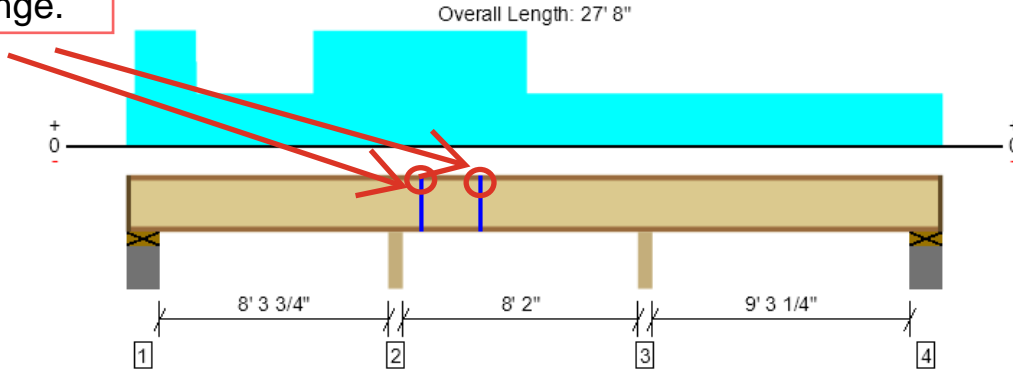


1st Floor, FC1: J1 (i1464)

**1 piece(s) 11 7/8" TJI@ 210 @ 19.1875" OC**

Holes (D=1") drilled through top flange.



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

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	1118 @ 9' 1 1/2"	2145 (3.50")	Passed (52%)	1.00	1.0 D + 1.0 L (Adj Spans)
Shear (lbs)	506 @ 8' 11 3/4"	1821	Passed (28%)	1.00	1.0 D + 1.0 L (Adj Spans)
Moment (Ft-lbs)	-853 @ 9' 1 1/2"	3795	Passed (22%)	1.00	1.0 D + 1.0 L (Adj Spans)
Live Load Defl. (in)	0.034 @ 22' 6 13/16"	0.237	Passed (L/999+)	--	1.0 D + 1.0 L (Alt Spans)
Total Load Defl. (in)	0.041 @ 22' 7 3/4"	0.475	Passed (L/999+)	--	1.0 D + 1.0 L (Alt Spans)
TJ-Pro™ Rating	60	40	Passed	--	--

Member Length : 27' 5 3/4"  
 System : Floor  
 Member Type : Joist  
 Building Use : Residential  
 Building Code : IBC 2015  
 Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.
- 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: None.

Supports	Bearing Length			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Roof Live	Factored	
1 - Plate on concrete - SPF	8.00"	6.88"	1.75"	155	286/-21	96	441	1 1/8" Rim Board
2 - Beam - SPF	3.50"	3.50"	3.50"	464	655	318	1193	None
3 - Beam - SPF	3.50"	3.50"	3.50"	204	698	51	902	None
4 - Plate on concrete - SPF	8.00"	6.88"	1.75"	66	306/-17	-6	372	1 1/8" Rim Board

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

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	8' 8" o/c	
Bottom Edge (Lu)	8' o/c	

- TJI joists are only analyzed using Maximum Allowable bracing solutions.
- Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location	Spacing	Dead (0.90)	Floor Live (1.00)	Roof Live (1.15)	Comments
1 - Uniform (PLF)	0 to 27' 8"	N/A	16.0	64.0	-	Imported Load
2 - Uniform (PLF)	3 7/16" to 2' 4 5/8"	N/A	24.0	-	24.0	Imported Load
3 - Uniform (PLF)	3 7/16" to 2' 4 3/8"	N/A	24.0	-	24.0	Imported Load
4 - Uniform (PLF)	6' 4 1/16" to 13' 6 7/8"	N/A	47.7	-	47.7	Imported Load

Location Analysis	Shear (lbs)			Moment (Ft-lbs)			Deflection (in)		Comments
	Actual	Allowed	LDF	Actual	Allowed	LDF	Live Load	Total	
1 - 10'									1" hole drilled through top flange
2 - 12'									1" hole drilled through top flange

ForteWEB Software Operator	Job Notes
Jason O'Rear Weyerhaeuser (888) 453-8358 jason.orear@weyerhaeuser.com	TC 156058 544 DUNCAN CREEK ROAD LILLINGTON, NC, 27546 DUNCAN'S CREEK 155



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 File Name: 156058

## Weyerhaeuser Notes

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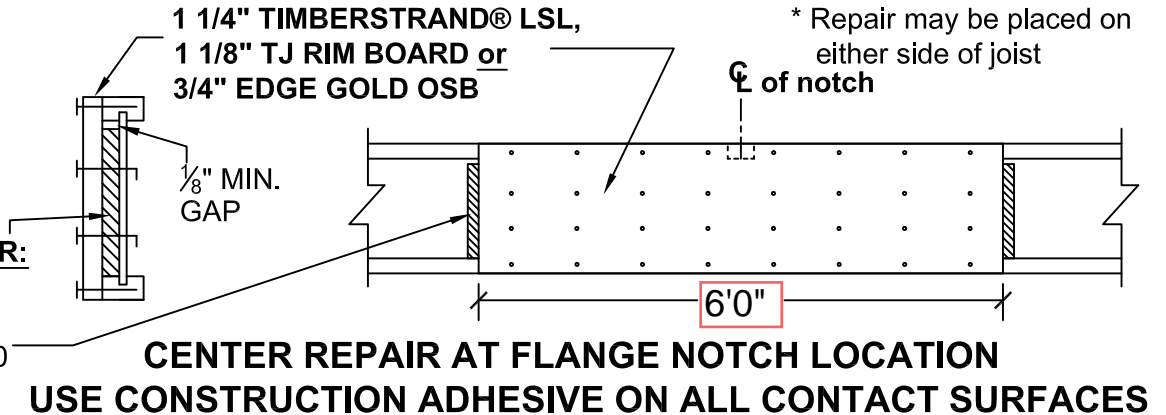
The product application, input design loads, dimensions and support information have been provided by Dylan Vaughn

### FASTENING SCHEDULE:

4 rows of 10d nails @ 4" o.c.  
(8d nails with OSB)  
Maintain 4" minimum edge  
distance  
Clinch as necessary

### CONTINUOUS WEB BACKER:

5/8" thick for TJI® 110  
7/8" (net) thick for TJI® 210  
1" (net) thick for TJI® 230, 360  
1 1/2" thick for TJI® 560



Attach panel repair with both notches  
centered along the panel.

Panel should extend 2' past the outside  
edges of both notches.

Member with damage as shown (and repaired if required) has adequate structural capacity for the design condition indicated. I have not reviewed the project plans or field conditions. The proper authority is to review the damage evaluation inputs and confirm they are consistent with the intent of the overall building design and field conditions. This damage evaluation is based on the information provided to Weyerhaeuser; if not consistent with the building design and field conditions, it should be rejected or returned to us to be corrected.

ForteWEB Software Operator	Job Notes
Jason O'Rear Weyerhaeuser (888) 453-8358 jason.orear@weyerhaeuser.com	TC 156058 544 DUNCAN CREEK ROAD LILLINGTON, NC, 27546 DUNCAN'S CREEK 155



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