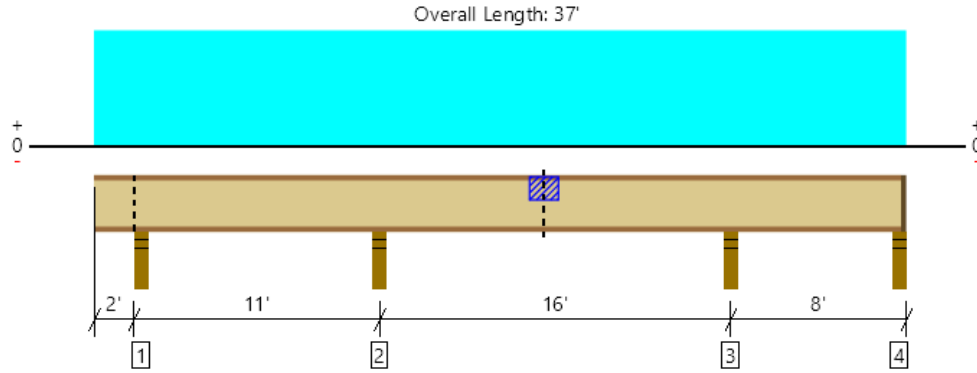


Level, Floor: Joist  
1 piece(s) 11 7/8" TJI® 210 @ 16" OC



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)	1080 @ 13'	2145 (3.50")	Passed (50%)	1.00	1.0 D + 1.0 L (Adj Spans)
Shear (lbs)	543 @ 13' 1 3/4"	1821	Passed (30%)	1.00	1.0 D + 1.0 L (Adj Spans)
Moment (Ft-lbs)	-1412 @ 13'	3795	Passed (37%)	1.00	1.0 D + 1.0 L (Adj Spans)
Live Load Defl. (in)	0.118 @ 20' 10 7/16"	0.400	Passed (L/999+)	--	1.0 D + 1.0 L (Alt Spans)
Total Load Defl. (in)	0.146 @ 20' 10 15/16"	0.800	Passed (L/999+)	--	1.0 D + 1.0 L (Alt Spans)
TJ-Pro™ Rating	48	40	Passed	--	--

System : Floor  
Member Type : Joist  
Building Use : Residential  
Building Code : IBC 2018  
Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/240).
- Overhang deflection criteria: LL (2L/480) and TL (2L/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	Total	
1 - Stud wall - SPF	3.50"	3.50"	3.50"	96	389	485	Blocking
2 - Stud wall - SPF	3.50"	3.50"	3.50"	242	838	1080	None
3 - Stud wall - SPF	3.50"	3.50"	3.50"	224	793	1017	None
4 - Stud wall - SPF	3.50"	2.25"	1.75"	30	215/-111	245/-111	1 1/4" Rim Board

- Rim Board is assumed to carry all loads applied directly above it, bypassing the member being designed.
- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	7' 1" o/c	
Bottom Edge (Lu)	6' 3" o/c	

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

Vertical Load	Location (Side)	Spacing	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 37'	16"	12.0	40.0	Default Load

Notch Type	Flange	Length	Depth	Location	Compression Moment (Ft-lbs)			Tension Moment (Ft-lbs)			Comments
					Actual	Allowed	Result	Actual	Allowed	Result	
Along Side	Top	4"	3/4"	20' 6"	1106	2321	Passed (48%)	0	1338	Passed (0%)	

- Notches are not allowed on adjacent joists.

#### Member Notes

140 NW Mackenzie  
Lees Summit Mo  
Permit # PRRES20201498

ForteWEB Software Operator	Job Notes
paul cast Forest Products Supply (913) 441-7000 pcast@fp-supply.com	



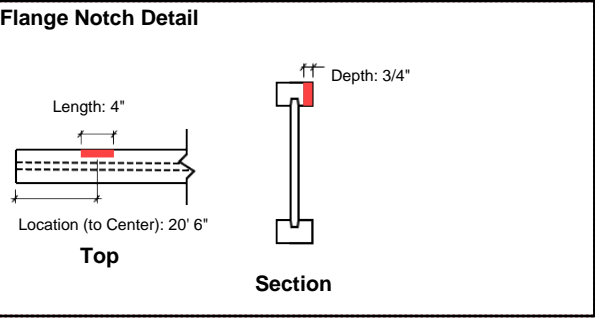
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ForteWEB v3.1, Engine: V8.1.5.1, Data: V8.0.1.0

File Name: regular

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The product application, input design loads, dimensions and support information have been provided by ForteWEB Software Operator



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