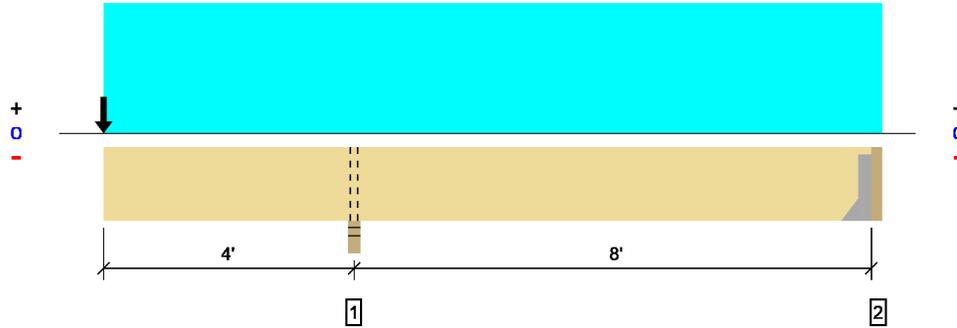


**1 piece(s) 2 x 10 Douglas Fir-Larch No. 2 @ 24" OC**

Overall Length: 12' 3"



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)	510 @ 4'	3281 (3.50")	Passed (16%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	282 @ 3' 1"	1665	Passed (17%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	-1040 @ 4'	2029	Passed (51%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.154 @ 0	0.200	Passed (2L/624)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.161 @ 0	0.400	Passed (2L/598)	--	1.0 D + 1.0 L (All Spans)
TJ-Pro™ Rating	N/A	N/A	--	--	--

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

- Deflection criteria: LL (L/480) and TL (L/240).
- Overhang deflection criteria: LL (0.2") and TL (2L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 12' o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.
- A 15% increase in the moment capacity has been added to account for repetitive member usage.
- Applicable calculations are based on NDS 2005 methodology.
- No composite action between deck and joist was considered in analysis.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - DF	3.50"	3.50"	1.50"	180	330	510	Blocking
2 - Hanger on 9 1/4" DF beam	3.00"	Hanger <sup>1</sup>	1.50"	65	-110	65/-110	See note <sup>1</sup>

- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.
- At hanger supports, the Total Bearing dimension is equal to the width of the material that is supporting the hanger
- <sup>1</sup> See Connector grid below for additional information and/or requirements.

Connector: Simpson Strong-Tie Connectors							
Support	Model	Seat Length	Top Nails	Face Nails	Member Nails	Accessories	
2 - Face Mount Hanger	LU28	1.50"	N/A	8-10d common	6-10d x 1-1/2		

Loads	Location	Spacing	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 12' 3"	24"	10.0	-	
2 - Point (lb)	0	N/A	-	220	Deck

Weyerhaeuser Notes
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Forte Software Operator	Job Notes
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