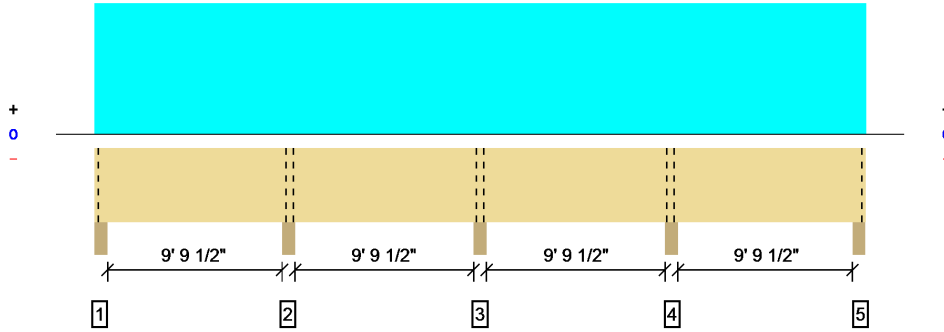


Overall Length: 40' 7 1/2"



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)	6111 @ 10' 2 3/4"	8899 (3.50")	Passed (69%)	--	1.0 D + 1.0 L (Adj Spans)
Shear (lbs)	2582 @ 9' 1 3/4"	5906	Passed (44%)	1.00	1.0 D + 1.0 L (Adj Spans)
Moment (Ft-lbs)	-6007 @ 10' 2 3/4"	5933	Passed (101%)	1.00	1.0 D + 1.0 L (Adj Spans)
Live Load Defl. (in)	0.092 @ 35' 7 7/8"	0.335	Passed (L/999+)	--	1.0 D + 1.0 L (Alt Spans)
Total Load Defl. (in)	0.108 @ 35' 8 9/16"	0.503	Passed (L/999+)	--	1.0 D + 1.0 L (Alt Spans)

System : Floor  
 Member Type : Drop Beam  
 Building Use : Residential  
 Building Code : IBC 2015  
 Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (L/240).
- Top Edge Bracing (Lu): Top compression edge must be braced at 15' 6" o/c unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 6" o/c unless detailed otherwise.
- Applicable calculations are based on NDS.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Column - SPF	3.50"	3.50"	1.50"	423	1864/-217	2287/-217	Blocking
2 - Column - SPF	3.50"	3.50"	2.40"	1183	4927	6110	Blocking
3 - Column - SPF	3.50"	3.50"	2.19"	964	4609	5573	Blocking
4 - Column - SPF	3.50"	3.50"	2.40"	1183	4927	6110	Blocking
5 - Column - SPF	3.50"	3.50"	1.50"	423	1864/-217	2287/-217	Blocking

- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Loads	Location (Side)	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
0 - Self Weight (PLF)	0 to 40' 7 1/2"	N/A	12.8		
1 - Uniform (PSF)	0 to 40' 7 1/2" (Top)	10'	9.0	40.0	Residential - Living Areas

#### Member Notes

#### Weyerhaeuser Notes

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



Forte Software Operator	Job Notes
Redacted	

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