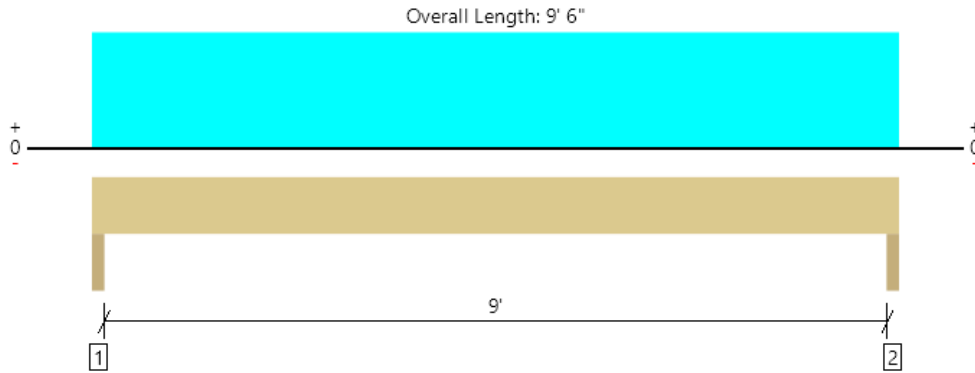


Level, Wall: Header

1 piece(s) 4 x 12 Douglas Fir-Larch No. 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)	3687 @ 1' 1/2"	6563 (3.00")	Passed (56%)	--	1.0 D + 0.45 W + 0.75 L + 0.75 S (All Spans)
Shear (lbs)	2765 @ 1' 2 1/4"	7560	Passed (37%)	1.60	1.0 D + 0.45 W + 0.75 L + 0.75 S (All Spans)
Moment (Ft-lbs)	8301 @ 4' 9"	9745	Passed (85%)	1.60	1.0 D + 0.45 W + 0.75 L + 0.75 S (All Spans)
Live Load Defl. (in)	0.155 @ 4' 9"	0.308	Passed (L/714)	--	1.0 D + 0.45 W + 0.75 L + 0.75 S (All Spans)
Total Load Defl. (in)	0.192 @ 4' 9"	0.463	Passed (L/577)	--	1.0 D + 0.45 W + 0.75 L + 0.75 S (All Spans)

System : Wall
 Member Type : Header
 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 9' 6" o/c based on loads applied, unless detailed otherwise.
- Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 9' 6" o/c based on loads applied, unless detailed otherwise.
- Applicable calculations are based on NDS.

Supports	Bearing Length			Loads to Supports (lbs)					Accessories
	Total	Available	Required	Dead	Roof Live	Snow	Wind	Total	
1 - Trimmer - SPF	3.00"	3.00"	1.69"	708	1306	1306	4441	7761	None
2 - Trimmer - DF	3.00"	3.00"	1.69"	708	1306	1306	4441	7761	None

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Roof Live (non-snow: 1.25)	Snow (1.15)	Wind (1.60)	Comments
0 - Self Weight (PLF)	0 to 9' 6"	N/A	10.0	--	--	--	
1 - Uniform (PSF)	0 to 9' 6"	11'	12.6	25.0	25.0	85.0	Default Load

Member Notes

Nakamura Garage Addition
 9' Garage Door Header

Weyerhaeuser Notes

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

ForteWEB Software Operator	Job Notes
Lynn Reynolds Mr. (253) 630-9717 lynn_e_reynolds@hotmail.com	Beam

