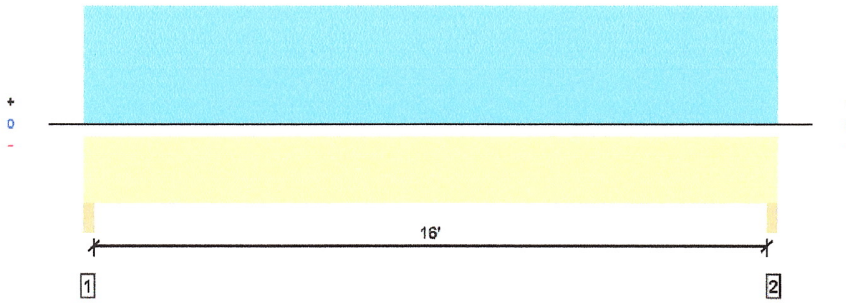


4 piece(s) 1 3/4" x 18" 2.0E Microllam® LVL

Overall Length: 16' 6"



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) | 13555 @ 1 1/2" | 15225 (3.00") | Passed (89%) | -- | 1.0 D + 1.0 S (All Spans) |
| Shear (lbs) | 10680 @ 1' 9" | 27531 | Passed (39%) | 1.15 | 1.0 D + 1.0 S (All Spans) |
| Moment (Ft-lbs) | 54234 @ 8' 3" | 89132 | Passed (61%) | 1.15 | 1.0 D + 1.0 S (All Spans) |
| Live Load Defl. (in) | 0.321 @ 8' 3" | 0.542 | Passed (L/608) | -- | 1.0 D + 1.0 S (All Spans) |
| Total Load Defl. (in) | 0.428 @ 8' 3" | 0.813 | Passed (L/455) | -- | 1.0 D + 1.0 S (All Spans) |

System : Wall
 Member Type : Header
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD

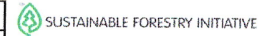
- Deflection criteria: LL (L/360) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 12' 8 15/16" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

| Supports | Bearing Length | | | Loads to Supports (lbs) | | | | Accessories |
|-------------------|----------------|-----------|----------|-------------------------|------------|-------|-------|-------------|
| | Total | Available | Required | Dead | Floor Live | Snow | Total | |
| 1 - Trimmer - SPF | 3.00" | 3.00" | 2.67" | 3408 | 2145 | 10148 | 15701 | None |
| 2 - Trimmer - SPF | 3.00" | 3.00" | 2.67" | 3408 | 2145 | 10148 | 15701 | None |

| Loads | Location | Tributary Width | Dead (0.90) | Floor Live (1.00) | Snow (1.15) | Comments |
|-------------------|-------------|-----------------|-------------|-------------------|-------------|-------------------------|
| 1 - Uniform (PSF) | 0 to 16' 6" | 6' 6" | 10.0 | 40.0 | - | 2nd Floor -Floor Load |
| 2 - Uniform (PLF) | 0 to 16' 6" | N/A | 80.0 | - | - | 2nd Floor Exterior Wall |
| 3 - Uniform (PSF) | 0 to 16' 6" | 6' 6" | 10.0 | - | 60.0 | Addition Roof Load |
| 4 - Uniform (PSF) | 0 to 16' 6" | 14' | 12.0 | - | 60.0 | Main Roof Load |

| Member Notes |
|--------------|
| Wall Header |

| Weyerhaeuser Notes |
|--|
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| Forste Software Operator | Job Notes |
|--|------------------------|
| Jeffrey Smith Hammond Lumber Co. (207) 373-9629 jfsmith@hammondlumber.com | Muto / Pitcock Project |