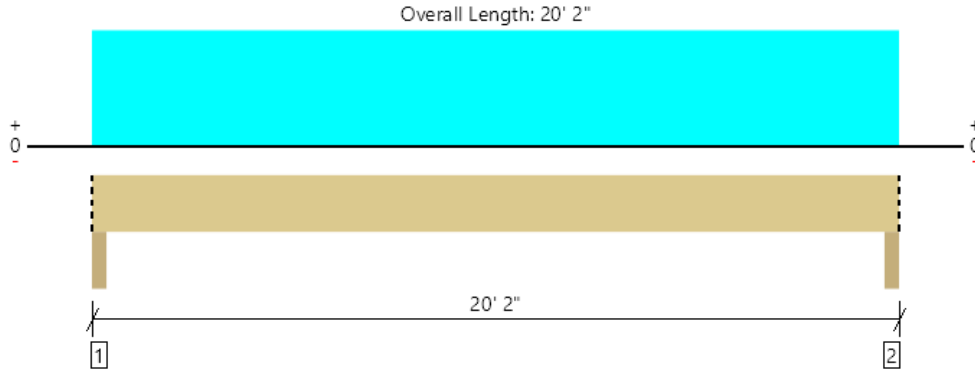


Level, BM24
3 piece(s) 1 3/4" x 24" 2.OE Microllam® LVL



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) | 12070 @ 2" | 13322 (3.50") | Passed (91%) | -- | 1.0 D + 1.0 Lr (All Spans) |
| Shear (lbs) | 9327 @ 2' 3 1/2" | 29925 | Passed (31%) | 1.25 | 1.0 D + 1.0 Lr (All Spans) |
| Moment (Ft-lbs) | 58857 @ 10' 1" | 124220 | Passed (47%) | 1.25 | 1.0 D + 1.0 Lr (All Spans) |
| Live Load Defl. (in) | 0.165 @ 10' 1" | 0.496 | Passed (L/999+) | -- | 1.0 D + 1.0 Lr (All Spans) |
| Total Load Defl. (in) | 0.398 @ 10' 1" | 0.661 | Passed (L/597) | -- | 1.0 D + 1.0 Lr (All Spans) |

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

- Deflection criteria: LL (L/480) and TL (L/360).
- Allowed moment does not reflect the adjustment for the beam stability factor.

| Supports | Bearing Length | | | Loads to Supports (lbs) | | | | Accessories |
|------------------|----------------|-----------|----------|-------------------------|------------|-----------|----------|-------------|
| | Total | Available | Required | Dead | Floor Live | Roof Live | Factored | |
| 1 - Column - SPF | 3.50" | 3.50" | 3.17" | 7058 | 1244 | 5011 | 12070 | Blocking |
| 2 - Column - SPF | 3.50" | 3.50" | 3.17" | 7058 | 1244 | 5011 | 12070 | Blocking |

- 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) | 8' 2" o/c | |
| Bottom Edge (Lu) | 20' 2" o/c | |

- Maximum allowable bracing intervals based on applied load.

| Vertical Loads | Location (Side) | Tributary Width | Dead (0.90) | Floor Live (1.00) | Roof Live (non-snow: 1.25) | Comments |
|-----------------------|--------------------|-----------------|-------------|-------------------|----------------------------|----------|
| 0 - Self Weight (PLF) | 0 to 20' 2" | N/A | 36.8 | -- | -- | |
| 1 - Uniform (PLF) | 0 to 20' 2" (Top) | N/A | 497.0 | - | 497.0 | A02 |
| 2 - Uniform (PLF) | 0 to 20' 2" (Top) | N/A | 120.0 | - | - | WALL |
| 3 - Uniform (PSF) | 0 to 20' 2" (Back) | 3' 1" | 15.0 | 40.0 | - | FLOOR |

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

| | |
|---|-----------|
| ForteWEB Software Operator | Job Notes |
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