JAVELIN
software by Weyerhaeuser

Member Report

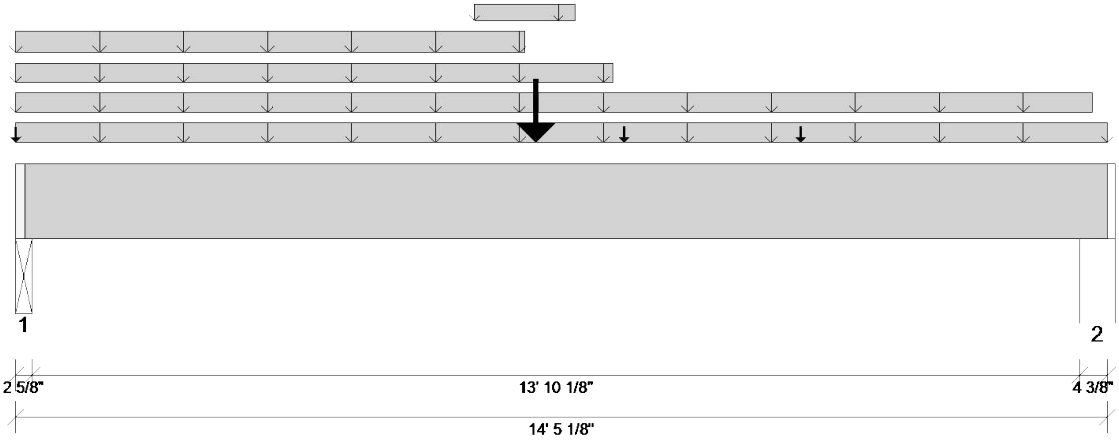
Label: M3-4 | Design Tag: i8002

Design Passed

4 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 14' 5 1/8" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	6195 lb @ 1 1/8"	13808 lb (2.63")	Passed - 45%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	5524 lb @ 1' 2 1/2"	15794 lb	Passed - 35%	1.00	1.0 D + 1.0 L - (0)
Moment	32026 lb-ft @ 6' 10 1/2"	35696 lb-ft	Passed - 90%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.29" @ 6' 10 1/2"	0.47" L/360	Passed - L/591	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.57" @ 6' 10 1/2"	0.70" L/240	Passed - L/295	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 11-00-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 14-05-00 o/c based on loads applied, unless detailed otherwise.
* Member should be side-loaded from both sides of the member or braced to prevent rotation.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 2 5/8"		-	3277 lb	2674 lb	-	1205 lb
++>	5/8" : -	1.5"	M6-3(i7994)	1615 lb	1318 lb	-	594 lb
++>	11/16" : -	-	M5-3(i7814)	1662 lb	1356 lb	-	611 lb
2	14' 0 3/4" : 14' 5 1/8"	1.5"	F6(i2360)	2774 lb	2331 lb	-	1118 lb

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 14' 5 1/8"	-	Self Weight	23 lb/ft	-	-	-
Uniform	-0" : 14' 5 1/8"	-	FC1 Floor Decking	16 lb/ft	64 lb/ft	-	-
Uniform	0" : 14' 2 3/4"	-	B3(i2310)	73 lb/ft	-	-	-
Uniform	0" : 7' 10 3/4"	-	B3(i2310)	20 lb/ft	40 lb/ft	-	-
Uniform	0" : 6' 8 3/4"	-	B3(i2310)	91 lb/ft	25 lb/ft	-	-
Uniform	6' 0 3/4" : 7' 4 3/4"	-	B3(i2310)	2 lb/ft	5 lb/ft	-	-
Point	0" : -	-	B5(i2312)	10 lb	-	-	-
Point	6' 10 1/2" : -	-	B3(i2310)	3536 lb	3538 lb	-	2323 lb
Point	8' 0 1/2" : -	-	B7(i2314)	81 lb	51 lb	-	-
Point	10' 4 1/2" : -	-	NB11(i2569)	56 lb	-	-	-

JAVELIN® software by Weyerhaeuser

Member Report

Label: M3-4 | Design Tag: i8002

Design Passed

4 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN
software by Weyerhaeuser

Member Report

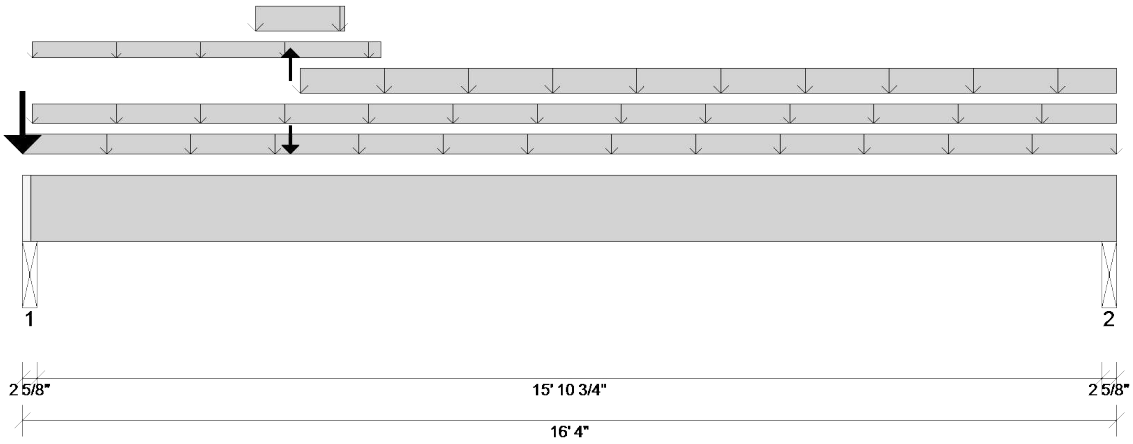
Label: M2-2 | Design Tag: i7999

Design Passed

2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 | Design Methodology: ASD | Member Cut Length: 16' 4" | Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2855 lb @ 1 1/8"	6904 lb (2.63")	Passed - 41%	-	1.0 D + 1.0 L - (1)
Shear	2367 lb @ 15' 1 1/2"	7897 lb	Passed - 30%	1.00	1.0 D + 1.0 L - (1)
Moment	11097 lb-ft @ 8' 1 7/8"	17848 lb-ft	Passed - 62%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.22" @ 8' 1 5/8"	0.54" L/360	Passed - L/875	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.56" @ 8' 2 1/8"	0.81" L/240	Passed - L/345	-	1.0 D + 1.0 L - (1)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 12-09-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 16-04-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 2 5/8"	1.5"	M7-3(i7815)	1594 lb	1254 lb	-	65 lb
2	16' 1 3/8" : 16' 4"		-	1702 lb	1068 lb	-	-
++>	16' 3 5/16" : -	1.5"	M5-3(i7814)	875 lb	549 lb	-	-
++>	16' 3 3/8" : -	-	M6-3(i7994)	827 lb	519 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 16' 4"	-	Self Weight	11 lb/ft	-	-	-
Uniform	0" : 16' 4"	-	FC1 Floor Decking	16 lb/ft	64 lb/ft	-	-
Uniform	1 3/4" : 16' 4"	-	B3(i2310)	73 lb/ft	-	-	-
Uniform	1 3/4" : 5' 4 1/4"	-	FC1 Floor Decking	7 lb/ft	-	-	-
Uniform	3' 5 3/4" : 4' 9 3/4"	-	B3(i2310)	86 lb/ft	100 lb/ft	-	-
Uniform	4' 1 3/4" : 16' 4"	-	B3(i2310)	110 lb/ft	64 lb/ft	-	-
Point	0" : -	-	B2(i2309)	157 lb	275 lb	-	65 lb
Point	4' 0" : -	-	B11(i2318)	50 / -35 lb	85 / -141 lb	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.

JAVELIN® software by Weyerhaeuser

Design Passed

Member Report

Label: M2-2 | Design Tag: i7999

2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.

* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

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SUSTAINABLE FORESTRY INITIATIVE

JAVELIN
software by Weyerhaeuser

Member Report

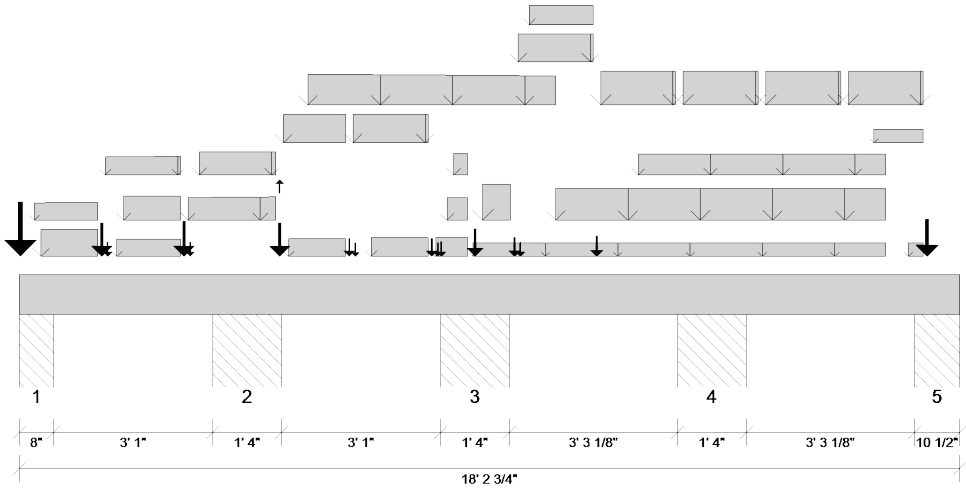
Label: M6-3 | Design Tag: i7994

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 18' 2 3/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	6617 lb @ 6 1/2"	31500 lb (8")	Passed - 21%	-	1.0 D + 1.0 L - (0)
Shear	2756 lb @ 2' 11 3/4"	9227 lb	Passed - 30%	1.00	1.0 D + 1.0 L - (0)
Moment	-2344 lb-ft @ 13' 11 5/8"	16806 lb-ft	Passed - 14%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.01" @ 15' 11 15/16"	0.12" L/360	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.01" @ 15' 11 15/16"	0.18" L/240	Passed - L/999	-	1.0 D + 1.0 L - (0)

Vertical Load Capacity Check Passed

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 18-03-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 18-03-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 8"	1.68"	PBO7(i2389)	3659 lb	3977 / -73 lb	-	689 lb
2	3' 9" : 5' 1"		PBO34(i4043)	1974 lb	6310 lb	-	75 / -272 lb
==>	3' 10 1/2" : -	1.57"	PBO34(i4043)	380 lb	2840 lb	-	-135 lb
==>	4' 11 1/2" : -	1.5"	PBO34(i4043)	1594 lb	3470 lb	-	75 / -137 lb
3	8' 2" : 9' 6"		PBO10(i2392)	3272 lb	6214 lb	-	273 / -57 lb
==>	8' 3 1/2" : -	1.5"	PBO10(i2392)	1336 lb	3009 lb	-	79 / -57 lb
==>	9' 4 1/2" : -	1.5"	PBO10(i2392)	1936 lb	3205 lb	-	194 lb
4	12' 9 1/8" : 14' 1 1/8"		PBO35(i4044)	3049 lb	7270 lb	-	436 lb
==>	12' 10 5/8" : -	1.5"	PBO35(i4044)	1199 lb	3465 lb	-	188 lb
==>	13' 11 5/8" : -	1.77"	PBO35(i4044)	1850 lb	3805 lb	-	248 lb
5	17' 4 1/4" : 18' 2 3/4"		-	1400 lb	2826 lb	-	141 lb
++>	17' 8 1/4" : -	1.5"	PBO4(i2386)	1066 lb	2153 lb	-	107 lb
++>	18' 1 11/16" : -	-	F8(i2368)	278 lb	561 lb	-	28 lb
++>	18' 2 9/16" : -	-	F7(i2367)	56 lb	112 lb	-	6 lb

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 18' 2 3/4"	-	Self Weight	13 lb/ft	-	-	-
Uniform	5 1/16" : 1' 6 1/4"	-	BBk1(i7782)	36 lb/ft	565 lb/ft	-	-
Uniform	1' 10 5/8" : 3' 1 1/2"	-	BBk1(i7782)	34 lb/ft	136 lb/ft	-	-
Uniform	2' 0 1/4" : 3' 1 1/2"	-	BBk1(i7782)	-	472 lb/ft	-	-
Uniform	5' 2 5/8" : 6' 3 7/8"	-	BBk1(i7782)	184 lb/ft	-	-	-
Uniform	6' 9 7/8" : 7' 11 1/16"	-	BBk1(i7782)	232 lb/ft	-	-	-

JAVELIN® software by Weyerhaeuser

Member Report

Label: M6-3 | Design Tag: i7994

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Uniform	8' 0 13/16" : 8' 8 1/4"	-	BBk1(i7782)	107 lb/ft	135 lb/ft	-	-
Uniform	8' 3 7/16" : 8' 8 1/4"	-	BBk1(i7782)	-	401 lb/ft	-	-
Uniform	8' 5 1/16" : 8' 8 1/4"	-	BBk1(i7782)	292 lb/ft	-	-	74 lb/ft
Uniform	8' 9 9/16" : 16' 9	-	Smoothed Load	-	-	-	7 lb/ft
Uniform	8' 11 3/4" : 9' 6 1/4"	-	BBk1(i7782)	398 lb/ft	535 lb/ft	-	74 lb/ft
Uniform	10' 4 3/4" : 16' 9	-	Smoothed Load	-	805 lb/ft	-	-
Uniform	11' 11 15/16" : 16' 9	-	Smoothed Load	343 lb/ft	-	-	-
Uniform	16' 6 13/16" : 17' 6	-	BBk1(i7782)	-	1 lb/ft	-	-
Uniform	17' 2 13/16" : 17' 6	-	BBk1(i7782)	2 lb/ft	6 lb/ft	-	-
Tapered	3 7/16" : 1' 6 1/4"	-	BBk1(i7782)	174 To 200 lb/ft	-	-	-
Tapered	1' 8" : 3' 1 1/2"	-	BBk1(i7782)	203 To 234 lb/ft	-	-	-
Tapered	3' 3 1/4" : 4' 11	-	BBk1(i7782)	272 To 308 lb/ft	136 To 136 lb/ft	-	-
Tapered	3' 5 7/8" : 4' 11	-	BBk1(i7782)	-	419 To 426 lb/ft	-	-
Tapered	5' 1 7/16" : 6' 3 7/8"	-	BBk1(i7782)	107 To 107 lb/ft	561 To 566 lb/ft	-	-
Tapered	5' 7 1/8" : 10' 4 3/4"	-	Smoothed Load	-	765 To 684 lb/ft	-	-
Tapered	6' 5 5/8" : 7' 11 1/16"	-	BBk1(i7782)	107 To 107 lb/ft	567 To 573 lb/ft	-	-
Tapered	9' 8" : 11' 1 1/2"	-	BBk1(i7782)	106 To 107 lb/ft	535 To 534 lb/ft	-	-
Tapered	9' 10 5/8" : 11' 1 1/2"	-	BBk1(i7782)	193 To 192 lb/ft	-	-	75 To 74 lb/ft
Tapered	11' 3 1/4" : 12' 8	-	BBk1(i7782)	298 To 297 lb/ft	533 To 533 lb/ft	-	74 To 74 lb/ft
Tapered	12' 10 7/16" : 14' 3	-	BBk1(i7782)	297 To 296 lb/ft	532 To 532 lb/ft	-	74 To 73 lb/ft
Tapered	14' 5 5/8" : 15' 11	-	BBk1(i7782)	296 To 294 lb/ft	531 To 530 lb/ft	-	73 To 72 lb/ft
Tapered	16' 0 13/16" : 17' 6	-	BBk1(i7782)	294 To 293 lb/ft	530 To 529 lb/ft	-	72 To 71 lb/ft
Point	1/4" : -	-	M3-4(i8002)	1615 lb	1318 lb	-	594 lb
Point	1/4" : -	-	M2-2(i7999)	827 lb	519 lb	-	-
Point	1' 7 1/8" : -	-	B32'(i7739)	443 lb	1298 lb	-	-
Point	1' 8 9/16" : -	-	BBk1(i7782)	3 lb	48 lb	-	-
Point	3' 2 3/8" : -	-	B32'(i7772)	453 lb	1402 lb	-	-
Point	3' 3 3/4" : -	-	BBk1(i7782)	-	40 lb	-	-
Point	5' 0 9/16" : -	-	B32'(i7700)	428 lb	1298 lb	-	-1 lb
Point	6' 4 3/4" : -	-	B32'(i7742)	397 lb	-	-	-
Point	6' 6 1/8" : -	-	BBk1(i7782)	16 lb	-	-	-
Point	7' 11 15/16" : -	-	B32'(i7794)	386 lb	-	-	-
Point	8' 1 5/16" : -	-	BBk1(i7782)	20 lb	-	-	-
Point	8' 2 1/8" : -	-	BBk1(i7782)	-	96 lb	-	-
Point	8' 10" : -	-	B18'-2(i7728)	785 lb	414 lb	-	22 lb
Point	9' 7 1/8" : -	-	B32'(i7790)	474 lb	-	-	-
Point	9' 8 9/16" : -	-	BBk1(i7782)	25 lb	-	-	6 lb
Point	11' 2 3/8" : -	-	B32'(i7784)	591 lb	-	-	-
Point	17' 7 1/8" : -	-	B32'(i7777)	653 lb	1366 lb	-	31 lb

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.

* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.

* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN
software by Weyerhaeuser

Member Report

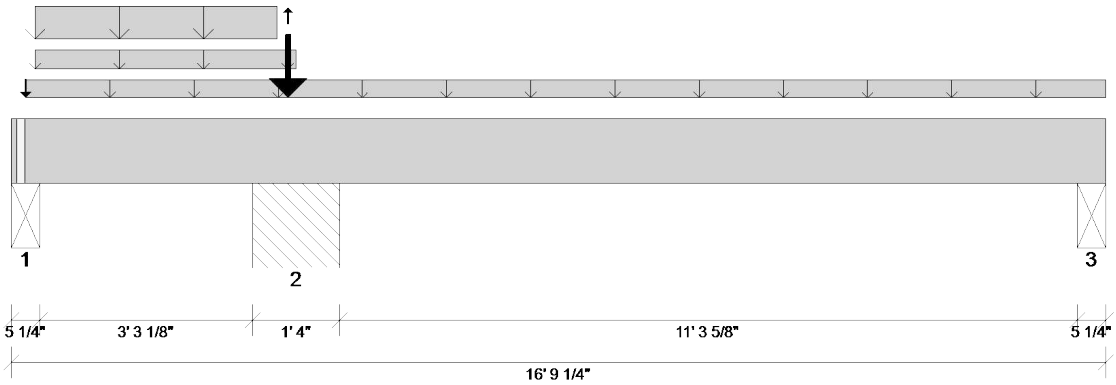
Label: M2-2 | Design Tag: i7817

Design Passed

2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 16' 9 1/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	986 lb @ 3 3/4"	13781 lb (5.25")	Passed - 7%	-	1.0 D + 1.0 L - (0)
Shear	432 lb @ 2' 8 1/2"	7897 lb	Passed - 5%	1.00	1.0 D + 1.0 L - (0)
Moment	-787 lb-ft @ 4' 10 7/8"	17848 lb-ft	Passed - 4%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.01" @ 11' 5 3/16"	0.39" L/360	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.01" @ 11' 5 1/16"	0.58" L/240	Passed - L/999	-	1.0 D + 1.0 L - (0)

Vertical Load Capacity Check Passed

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 16-09-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 16-09-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 5 1/4"	1.5"	M7-3(i7759)	486 lb	488 / -59 lb	-	66 lb
2	3' 8 3/8" : 5' 0 3/8"		PBO17(i2496)	3657 lb	5796 lb	-	6 / -16 lb
==>	3' 9 7/8" : -	1.5"	PBO17(i2496)	2455 lb	3494 lb	-	-16 lb
==>	4' 10 7/8" : -	1.5"	PBO17(i2496)	1202 lb	2302 lb	-	6 lb
3	16' 4" : 16' 9 1/4"		-	90 lb	154 / -6 lb	-	-
++>	16' 7 15/16" : -	1.5"	M5-3(i7814)	45 lb	77 / -3 lb	-	-
++>	16' 7 15/16" : -	-	M4-3(i7575)	45 lb	77 / -3 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 16' 9 1/4"	-	Self Weight	11 lb/ft	-	-	-
Uniform	2 5/8" : 16' 9 1/4"	-	FC1 Floor Decking	8 lb/ft	32 lb/ft	-	-
Uniform	4 3/8" : 4' 4 3/8"	-	B12(i2320)	73 lb/ft	-	-	-
Uniform	4 3/8" : 4' 0 7/8"	-	B12(i2320)	170 lb/ft	157 lb/ft	-	-
Point	2 5/8" : -	-	B13(i2319)	129 lb	183 lb	-	58 lb
Point	4' 2 7/8" : -	-	B12(i2320)	2859 lb	4364 lb	-	-3 lb

JAVELIN® software by Weyerhaeuser

Member Report

Label: M2-2 | Design Tag: i7817

Design Passed

2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN
software by Weyerhaeuser

Member Report

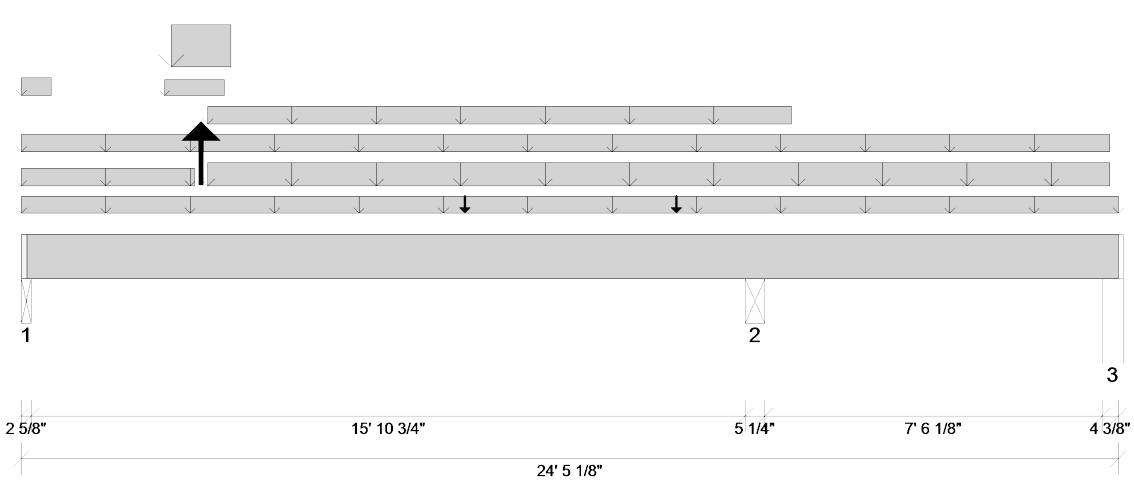
Label: M1-2 | Design Tag: i7816

Design Passed

2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 24' 5 1/8" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	9278 lb @ 16' 4"	13781 lb (5.25")	Passed - 67%	-	1.0 D + 1.0 L - (0)
Shear	4866 lb @ 15' 1 1/2"	7897 lb	Passed - 62%	1.00	1.0 D + 1.0 L - (0)
Moment	15959 lb-ft @ 7' 5 9/16"	17848 lb-ft	Passed - 89%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.45" @ 8' 2 5/8"	0.54" L/360	Passed - L/432	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.79" @ 7' 11 1/4"	0.81" L/240	Passed - L/247	-	1.0 D + 1.0 L - (0)

Design Notes:

* Uplift constraint has been released at support location 24-02-04.
* Top Edge Bracing (Lu): Top compression edge must be braced at 6-01-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 8-08-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 2 5/8"	1.5"	M7-3(i7815)	1759 lb	1514 / -41 lb	-	27 lb
2	16' 1 3/8" : 16' 6 5/8"	3.53"	M5-3(i7814)	4820 lb	4444 lb	-	-
3	24' 0 3/4" : 24' 5 1/8"	1.5"	F4(i2362)	-114 lb	973 / -750 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 24' 5 1/8"	-	Self Weight	11 lb/ft	-	-	-
Uniform	0" : 24' 5 1/8"	-	FC1 Floor Decking	8 lb/ft	32 lb/ft	-	-
Uniform	-0" : 24' 2 3/4"	-	B37(i2568)	73 lb/ft	-	-	-
Uniform	-0" : 3' 10 1/4"	-	B37(i2568)	20 lb/ft	69 lb/ft	-	-
Uniform	-0" : 8"	-	B37(i2568)	42 lb/ft	12 lb/ft	-	44 lb/ft
Uniform	3' 2 1/4" : 4' 6 1/4"	-	B37(i2568)	4 lb/ft	15 lb/ft	-	-
Uniform	3' 4" : 4' 8"	-	B37(i2568)	388 lb/ft	850 lb/ft	-	-
Uniform	4' 1 3/4" : 24' 2 3/4"	-	B37(i2568)	117 lb/ft	234 lb/ft	-	-
Uniform	4' 1 3/4" : 17' 1 3/4"	-	B37(i2568)	92 lb/ft	-	-	-
Point	4' 0" : -	-	B37(i2568)	-	-766 lb	-	-2 lb
Point	9' 10 1/2" : -	-	FC1 Floor Decking	31 lb	-	-	-
Point	14' 7" : -	-	FC1 Floor Decking	31 lb	-	-	-

JAVELIN® software by Weyerhaeuser

Member Report

Label: M1-2 | Design Tag: i7816

Design Passed

2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

Member Report

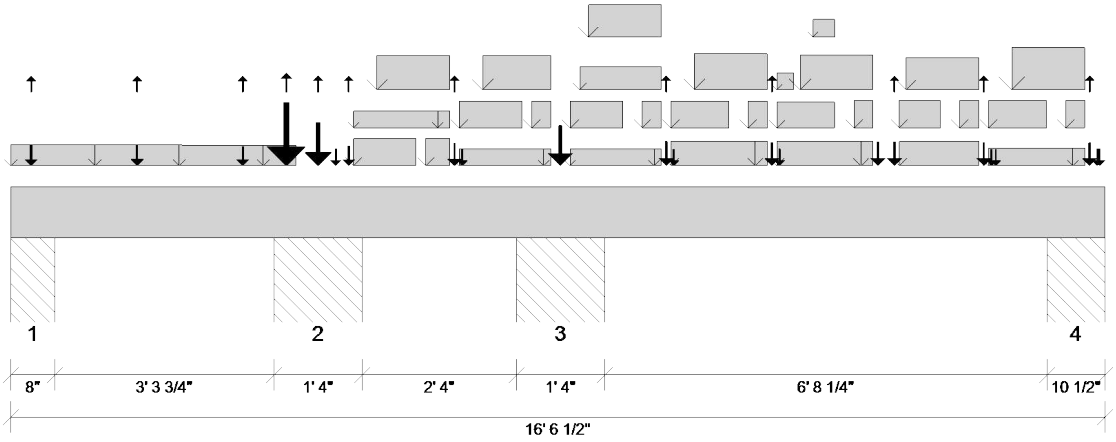
Label: M7-3 | Design Tag: i7815

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 16' 6 1/2" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	15551 lb @ 8' 10 1/4"	42328 lb (10.75")	Passed - 37%	-	1.0 D + 1.0 L - (1)
Shear	8581 lb @ 9' 9"	9227 lb	Passed - 93%	1.00	1.0 D + 1.0 L - (1)
Moment	-10827 lb-ft @ 8' 10 1/4"	16806 lb-ft	Passed - 64%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.09" @ 12' 7 3/16"	0.23" L/360	Passed - L/878	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.15" @ 12' 7 5/16"	0.35" L/240	Passed - L/557	-	1.0 D + 1.0 L - (1)

Vertical Load Capacity Check Passed

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 16-07-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 16-07-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 8"	1.5"	PBO13(i2397)	309 lb	1557 / -65 lb	-	15 / -5 lb
2	3' 11 3/4" : 5' 3 3/4"		PBO8(i2390)	5792 lb	8122 / -17 lb	-	1467 lb
==>	4' 1 1/4" : -	1.76"	PBO8(i2390)	5005 lb	6407 / -17 lb	-	998 lb
==>	5' 2 1/4" : -	1.5"	PBO8(i2390)	787 lb	1715 lb	-	469 lb
3	7' 7 3/4" : 8' 11 3/4"		PBO9(i2391)	7269 lb	14733 lb	-	1443 / -143 lb
==>	7' 9 1/4" : -	1.5"	PBO9(i2391)	-	3484 lb	-	-143 lb
==>	8' 10 1/4" : -	3.95"	PBO9(i2391)	7269 lb	11249 lb	-	1443 lb
4	15' 8" : 16' 6 1/2"		-	3377 lb	5703 lb	-	726 lb
++>	16' 0" : -	2.33"	PBO3(i2385)	2573 lb	4345 lb	-	553 lb
++>	16' 5 7/16" : -	-	F10(i2375)	670 lb	1132 lb	-	144 lb
++>	16' 6 5/16" : -	-	F11(i2377)	134 lb	226 lb	-	29 lb

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 16' 6 1/2"	-	Self Weight	13 lb/ft	-	-	-
Uniform	5' 2 3/16" : 6' 7 5/8"	-	BBk1(i7811)	73 lb/ft	-	-	-
Uniform	5' 2 3/16" : 6' 1 1/2"	-	BBk1(i7811)	250 lb/ft	169 lb/ft	-	200 lb/ft
Uniform	5' 6 3/8" : 6' 7 5/8"	-	BBk1(i7811)	216 lb/ft	772 lb/ft	-	22 lb/ft
Uniform	6' 3 1/4" : 6' 7 5/8"	-	BBk1(i7811)	250 lb/ft	169 lb/ft	-	200 lb/ft
Uniform	6' 9 3/8" : 8' 1 15/16"	-	BBk1(i7811)	73 lb/ft	-	-	-
Uniform	6' 9 3/8" : 7' 8 3/4"	-	BBk1(i7811)	250 lb/ft	169 lb/ft	-	200 lb/ft
Uniform	7' 1 5/8" : 8' 1 15/16"	-	BBk1(i7811)	216 lb/ft	772 lb/ft	-	22 lb/ft
Uniform	7' 10 1/2" : 8' 1	-	BBk1(i7811)	250 lb/ft	169 lb/ft	-	200 lb/ft
Uniform	8' 5 7/16" : 9' 10"	-	BBk1(i7811)	73 lb/ft	-	-	-

Member Report

Label: M7-3 | Design Tag: i7815

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Uniform	8' 5 7/16" : 9' 3 1/16"	-	BBk1(i7811)	249 lb/ft	169 lb/ft	-	200 lb/ft
Uniform	8' 7 3/16" : 9' 10"	-	BBk1(i7811)	72 lb/ft	287 lb/ft	-	36 lb/ft
Uniform	8' 8 13/16" : 9' 10"	-	BBk1(i7811)	302 lb/ft	606 lb/ft	-	-
Uniform	9' 6 9/16" : 9' 10"	-	BBk1(i7811)	249 lb/ft	169 lb/ft	-	200 lb/ft
Uniform	9' 11 3/4" : 11' 5 1/4"	-	BBk1(i7811)	145 lb/ft	287 lb/ft	-	36 lb/ft
Uniform	9' 11 3/4" : 10' 10	-	BBk1(i7811)	249 lb/ft	169 lb/ft	-	200 lb/ft
Uniform	10' 4" : 11' 5 1/4"	-	BBk1(i7811)	429 lb/ft	667 lb/ft	-	-
Uniform	11' 1 3/4" : 11' 5 1/4"	-	BBk1(i7811)	249 lb/ft	169 lb/ft	-	200 lb/ft
Uniform	11' 7" : 13' 0 7/16"	-	BBk1(i7811)	145 lb/ft	287 lb/ft	-	36 lb/ft
Uniform	11' 7" : 12' 5 7/16"	-	BBk1(i7811)	228 lb/ft	126 lb/ft	-	200 lb/ft
Uniform	11' 7" : 11' 10"	-	BBk1(i7811)	22 lb/ft	43 lb/ft	-	-
Uniform	11' 11 3/16" : 13' 0	-	BBk1(i7811)	440 lb/ft	610 lb/ft	-	-
Uniform	12' 1 1/2" : 12' 5	-	BBk1(i7811)	33 lb/ft	66 lb/ft	-	-
Uniform	12' 8 15/16" : 13' 0	-	BBk1(i7811)	261 lb/ft	193 lb/ft	-	200 lb/ft
Uniform	13' 5 3/16" : 14' 7	-	BBk1(i7811)	145 lb/ft	287 lb/ft	-	36 lb/ft
Uniform	13' 5 3/16" : 14' 0	-	BBk1(i7811)	261 lb/ft	193 lb/ft	-	200 lb/ft
Uniform	13' 6 3/8" : 14' 7 5/8"	-	BBk1(i7811)	289 lb/ft	606 lb/ft	-	-
Uniform	14' 4 1/8" : 14' 7 5/8"	-	BBk1(i7811)	261 lb/ft	193 lb/ft	-	200 lb/ft
Uniform	14' 9 3/8" : 16' 2	-	BBk1(i7811)	73 lb/ft	-	-	36 lb/ft
Uniform	14' 9 3/8" : 15' 7 7/8"	-	BBk1(i7811)	261 lb/ft	193 lb/ft	-	200 lb/ft
Uniform	15' 1 5/8" : 16' 2	-	BBk1(i7811)	502 lb/ft	936 lb/ft	-	-
Uniform	15' 11 3/8" : 16' 2	-	BBk1(i7811)	261 lb/ft	193 lb/ft	-	200 lb/ft
Tapered	0" : 4' 3 11/16"	-	Smoothed Load	-	275 To 262 lb/ft	-	-
Point	3 11/16" : -	-	B26'(i7693)	107 lb	440 / -10 lb	-	-
Point	3 11/16" : -	-	B14'(i7631)	98 lb	-	-	-
Point	1' 10 7/8" : -	-	B26'(i7730)	139 lb	440 / -10 lb	-	-
Point	1' 10 7/8" : -	-	B14'(i7632)	98 lb	-	-	-
Point	3' 6 1/8" : -	-	B14'(i7789)	84 lb	335 lb	-	-
Point	3' 6 1/8" : -	-	B26'(i7800)	141 lb	-8 lb	-	-
Point	4' 2" : -	-	BBk1(i7811)	2283 lb	2596 / -376 lb	-	829 lb
Point	4' 7 3/4" : -	-	M1-2(i7816)	1759 lb	1514 / -41 lb	-	27 lb
Point	4' 7 3/4" : -	-	B14'-2(i7766)	1086 lb	628 lb	-	29 lb
Point	4' 10 15/16" : -	-	BBk1(i7811)	79 lb	41 lb	-	49 lb
Point	5' 1 5/16" : -	-	B16'(i7634)	121 lb	319 lb	-	29 lb
Point	5' 1 5/16" : -	-	B32'(i7809)	104 lb	325 / -36 lb	-	-
Point	6' 8 1/2" : -	-	B16'(i7635)	192 lb	593 lb	-	32 lb
Point	6' 8 1/2" : -	-	B32'(i7769)	133 lb	556 / -53 lb	-	-
Point	6' 9 7/8" : -	-	BBk1(i7811)	18 lb	66 lb	-	2 lb
Point	8' 3 11/16" : -	-	M2-2(i7999)	1594 lb	1254 lb	-	65 lb
Point	8' 3 11/16" : -	-	B16'(i7810)	114 lb	455 lb	-	-
Point	9' 10 7/8" : -	-	B32'(i7739)	371 lb	615 / -46 lb	-	35 lb
Point	9' 10 7/8" : -	-	B16'(i7637)	114 lb	455 lb	-	-
Point	10' 0 5/16" : -	-	BBk1(i7811)	26 lb	52 lb	-	-
Point	11' 6 1/8" : -	-	B16'(i7764)	234 lb	619 lb	-	34 lb
Point	11' 6 1/8" : -	-	B32'(i7772)	256 lb	494 / -50 lb	-	-
Point	11' 7 1/2" : -	-	BBk1(i7811)	36 lb	57 lb	-	-
Point	13' 1 5/16" : -	-	B16'(i7793)	281 lb	671 lb	-	46 lb
Point	13' 4 5/16" : -	-	B32'(i7700)	342 lb	586 / -46 lb	-	47 lb
Point	14' 8 1/2" : -	-	B16'(i7756)	215 lb	614 lb	-	34 lb
Point	14' 8 1/2" : -	-	B32'(i7742)	219 lb	422 / -42 lb	-	-
Point	14' 9 7/8" : -	-	BBk1(i7811)	25 lb	52 lb	-	-
Point	14' 10 11/16" : -	-	BBk1(i7811)	16 lb	63 lb	-	-
Point	16' 3 11/16" : -	-	B32'(i7794)	316 lb	515 / -46 lb	-	35 lb
Point	16' 3 11/16" : -	-	B16'(i7798)	82 lb	327 lb	-	-
Point	16' 5 1/16" : -	-	BBk1(i7811)	43 lb	80 lb	-	-
Point	16' 5 9/16" : -	-	BBk1(i7811)	53 lb	31 lb	-	38 lb

JAVELIN® software by Weyerhaeuser

Member Report

Label: M7-3 | Design Tag: i7815

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN software by Weyerhaeuser

Member Report

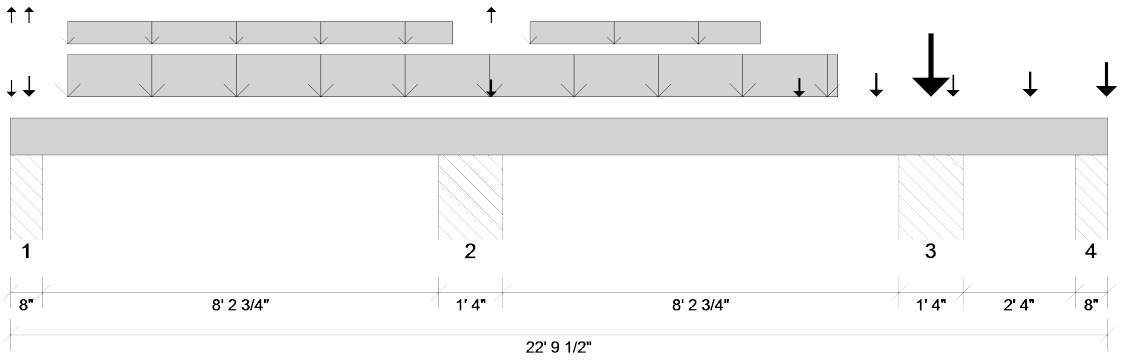
Label: M5-3 | Design Tag: i7814

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 22' 9 1/2" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	5384 lb @ 22' 3"	31500 lb (8")	Passed - 17%	-	1.0 D + 1.0 L - (1)
Shear	4028 lb @ 8' 1 1/2"	9227 lb	Passed - 44%	1.00	1.0 D + 1.0 L - (1)
Moment	-6550 lb-ft @ 9' 0 1/4"	16806 lb-ft	Passed - 39%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.09" @ 4' 6 1/16"	0.28" L/360	Passed - L/999	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.10" @ 4' 5 1/4"	0.42" L/240	Passed - L/991	-	1.0 D + 1.0 L - (1)

Vertical Load Capacity Check Passed

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 22-10-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 22-10-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 8"	1.5"	PBO11(i2393)	742 lb	2836 / -203 lb	-	-3 lb
2	8' 10 3/4" : 10' 2 3/4"		PBO16(i2401)	1879 lb	8736 lb	-	35 / -35 lb
==>	9' 0 1/4" : -	1.68"	PBO16(i2401)	1395 lb	5295 lb	-	2 / -26 lb
==>	10' 1 1/4" : -	1.5"	PBO16(i2401)	484 lb	3441 lb	-	33 / -9 lb
3	18' 5 1/2" : 19' 9 1/2"		PBO6(i2388)	6064 lb	13197 lb	-	59 / -262 lb
==>	18' 7" : -	1.76"	PBO6(i2388)	5483 lb	8389 lb	-	59 / -117 lb
==>	19' 8" : -	1.5"	PBO6(i2388)	581 lb	4808 lb	-	-145 lb
4	22' 1 1/2" : 22' 9 1/2"	1.5"	PBO7(i2389)	3475 lb	3005 / -111 lb	-	717 lb

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 22' 9 1/2"	-	Self Weight	13 lb/ft	-	-	-
Uniform	1' 2 1/4" : 17' 2 1/4"	-	Smoothed Load	-	665 lb/ft	-	-
Uniform	10' 9 7/16" : 15' 7	-	Smoothed Load	167 lb/ft	-	-	-
Tapered	1' 2 1/4" : 9' 2 1/4"	-	Smoothed Load	168 To 169 lb/ft	-	-	-
Point	1/4" : -	-	M2-2(i7817)	45 lb	77 / -3 lb	-	-
Point	4 5/8" : -	-	B26'(i7741)	186 lb	767 lb	-	-3 lb
Point	9' 11 7/8" : -	-	B26'(i7690)	248 lb	-	-	-6 lb
Point	16' 4 5/8" : -	-	B26'(i7730)	501 lb	-	-	-
Point	17' 11 7/8" : -	-	B26'(i7800)	578 lb	913 lb	-	-
Point	19' 1 1/2" : -	-	M1-2(i7816)	4820 lb	4444 lb	-	-
Point	19' 7 1/16" : -	-	B32'(i7809)	328 lb	851 lb	-	-
Point	21' 2 1/4" : -	-	B32'(i7769)	462 lb	1327 lb	-	-
Point	22' 9 1/4" : -	-	M3-4(i8002)	1662 lb	1356 lb	-	611 lb

JAVELIN® software by Weyerhaeuser

Member Report

Label: M5-3 | Design Tag: i7814

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Point	22' 9 1/4" : -	-	M2-2(i7999)	875 lb	549 lb	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN
software by Weyerhaeuser

Design Passed

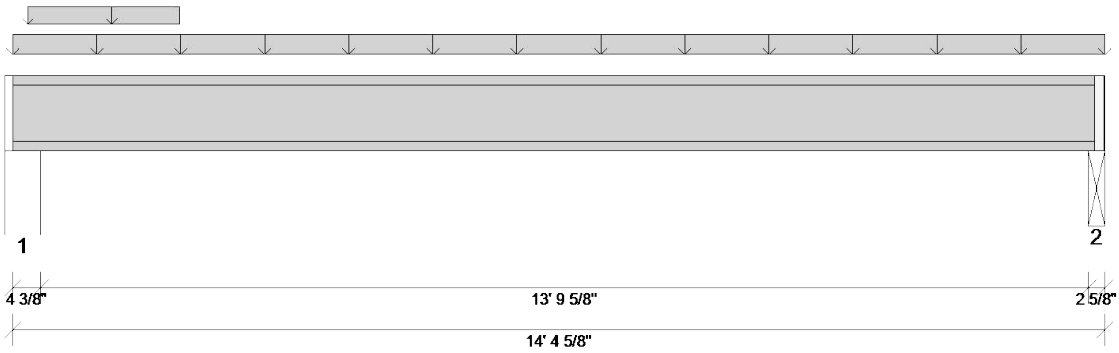
Member Report

Floor Container: FC1 | Label: B16' | Design Tag: i7802

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: FloorJoist | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 14' 4 5/8" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	574 lb @ 14' 3"	1139 lb (2.62")	Passed - 50%	1.00	1.0 D + 1.0 L - (0)
Shear	607 lb @ 4 3/8"	1560 lb	Passed - 39%	1.00	1.0 D + 1.0 L - (0)
Moment	1981 lb-ft @ 7' 2 9/16"	3160 lb-ft	Passed - 63%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.19" @ 7' 3 3/16"	0.35" L/480	Passed - L/894	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.24" @ 7' 2 15/16"	0.70" L/240	Passed - L/703	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	42	25	Passed		

Decking Material & Attachment: 23/32"x48"x96" Weyerhaeuser Edge Gold Panel (0/24) T&G SF - Glue And Nail

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 4-00-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 14-05-00 o/c based on loads applied, unless detailed otherwise.
* For TJ-Pro™ Rating calculation the controlling span is considered to be supported by beams.
* Member design (strength) is based on loads shown in loading section. TJ-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	1.75"	F16(i2372)	177 lb	471 lb	-	-
2	14' 2" : 14' 4 5/8"	1.75"	M7-3(i7759)	118 lb	455 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0" : 14' 4 5/8"	-	FC1 Floor Decking	16 lb/ft	64 lb/ft	-	-
Uniform	2 3/8" : 2' 2 3/8"	-	FC1 Floor Decking	32 lb/ft	-	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* The TJ-Pro™ Rating shown above is based on the default decking for the floor container. Special decking (if used) was not used in determination of the TJ-Pro™ Rating.

JAVELIN® software by Weyerhaeuser

Design Passed

Member Report

Floor Container: FC1 | Label: B16' | Design Tag: i7802

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: FloorJoist | Level: 1st Floor

Product is Sufficient for Application and Loads Described

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN
software by Weyerhaeuser

Member Report

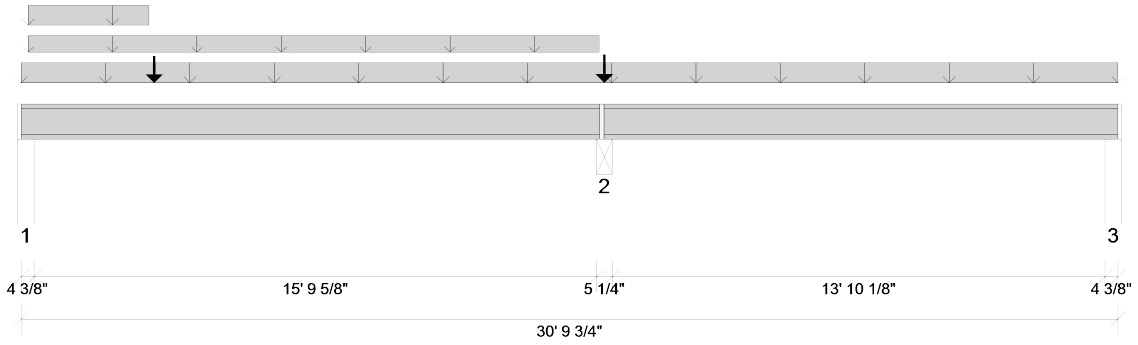
Design Passed

Floor Container: FC1 | Label: B32' | Design Tag: i7784

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: Joist As Flush Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 30' 9 3/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1933 lb @ 16' 4 5/8"	2350 lb (5.25")	Passed - 82%	1.00	1.0 D + 1.0 L - (0)
Shear	952 lb @ 4 3/8"	1560 lb	Passed - 61%	1.00	1.0 D + 1.0 L - (0)
Moment	-2889 lb-ft @ 16' 4 5/8"	3160 lb-ft	Passed - 91%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.29" @ 7' 10 1/16"	0.40" L/480	Passed - L/673	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.49" @ 7' 7 1/8"	0.81" L/240	Passed - L/395	-	1.0 D + 1.0 L - (0)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 5-00-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 3-02-00 o/c based on loads applied, unless detailed otherwise.
* Member design (strength) is based on loads shown in loading section. TJ-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	2.08"	F10(i2375)	517 lb	471 / -46 lb	-	-
2	16' 2" : 16' 7 1/4"	3.5"	M6-3(i7994)	591 lb	1291 lb	-	11 lb
3	30' 5 3/8" : 30' 9 3/4"	1.75"	F6(i2360)	52 lb	424 / -78 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0" : 30' 9 3/4"	-	FC1 Floor Decking	16 lb/ft	64 lb/ft	-	-
Uniform	2 3/8" : 16' 2 7/8"	-	FC1 Floor Decking	16 lb/ft	-	-	-
Uniform	2 3/8" : 3' 7 1/8"	-	NB8(i2515)	73 lb/ft	-	-	-
Point	3' 8 7/8" : -	-	NB21(i5010)	117 lb	-	-	-
Point	16' 4 5/8" : -	-	B5(i2312)	44 lb	78 lb	-	11 lb

Errors, Warnings, & Notes:

* This member was designed as a girder member due to load and/or framing conditions. TJ-Pro™ Rating, and other joist member modifiers were not used in the design of this member.
* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.

JAVELIN® software by Weyerhaeuser

Design Passed

Member Report

Floor Container: FC1 | Label: B32' | Design Tag: i7784

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: Joist As Flush Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN
software by Weyerhaeuser

Member Report

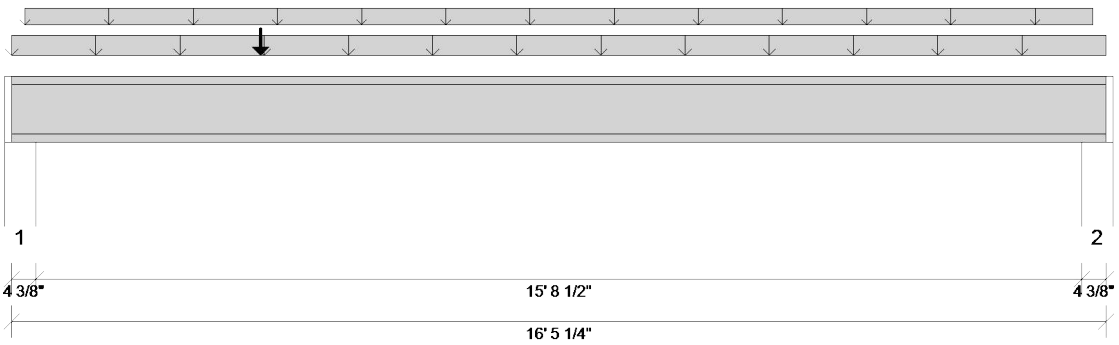
Floor Container: FC1 | Label: B18' | Design Tag: i7781

Design Passed

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: FloorJoist | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 16' 5 1/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	881 lb @ 3 3/8"	1375 lb (3.5")	Passed - 64%	1.00	1.0 D + 1.0 L - (0)
Shear	849 lb @ 4 3/8"	1560 lb	Passed - 54%	1.00	1.0 D + 1.0 L - (0)
Moment	3238 lb-ft @ 7' 11 5/16"	3160 lb-ft	Passed - 102%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.30" @ 8' 2 5/8"	0.40" L/480	Passed - L/631	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.49" @ 8' 1 7/8"	0.79" L/240	Passed - L/390	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	38	25	Passed		

Decking Material & Attachment: 23/32"x48"x96" Weyerhaeuser Edge Gold Panel (0/24) T&G SF - Glue And Nail

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 3-00-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 16-05-00 o/c based on loads applied, unless detailed otherwise.
* For TJ-Pro™ Rating calculation the controlling span is considered to be supported by walls.
* Member design (strength) is based on loads shown in loading section. TJ-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	1.75"	F10(i2375)	357 lb	532 lb	-	-
2	16' 0 7/8" : 16' 5 1/4"	1.75"	F8(i2368)	287 lb	532 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0" : 16' 5 1/4"	-	FC1 Floor Decking	16 lb/ft	64 lb/ft	-	-
Uniform	2 3/8" : 16' 2 7/8"	-	FC1 Floor Decking	16 lb/ft	-	-	-
Point	3' 8 7/8" : -	-	NB7(i2514)	122 lb	-	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.

JAVELIN® software by Weyerhaeuser

Design Passed

Member Report

Floor Container: FC1 | Label: B18' | Design Tag: i7781

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: FloorJoist | Level: 1st Floor

Product is Sufficient for Application and Loads Described

* The TJ-Pro™ Rating shown above is based on the default decking for the floor container. Special decking (if used) was not used in determination of the TJ-Pro™ Rating.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current literature for installation details and trademark information available at wy.com/woodproducts. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. The product application, input design loads, dimensions and support information have been provided by _____ of _____.

SUSTAINABLE FORESTRY INITIATIVE

JAVELIN
software by Weyerhaeuser

Member Report

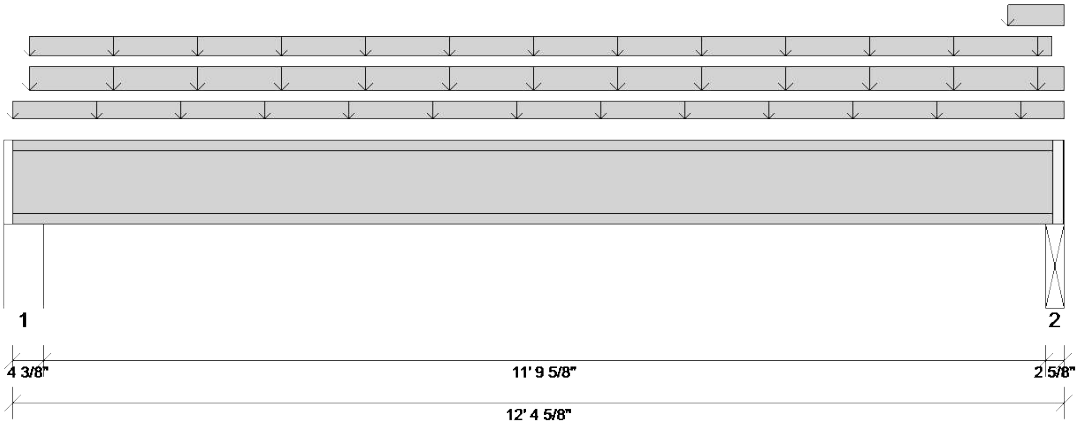
Design Passed

Floor Container: FC1 | Label: B14'-2 | Design Tag: i7766

2 piece(s) of 11 7/8" TJI® 110 joist

Member Type: Joist As Flush Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 12' 4 5/8" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1740 lb @ 12' 3 1/2"	2277 lb (2.62")	Passed - 76%	1.00	1.0 D + 1.0 L - (0)
Shear	1674 lb @ 12' 2"	3120 lb	Passed - 54%	1.00	1.0 D + 1.0 L - (0)
Moment	5082 lb-ft @ 6' 3 1/4"	6320 lb-ft	Passed - 80%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.11" @ 6' 3 3/16"	0.30" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.29" @ 6' 3 3/16"	0.60" L/240	Passed - L/491	-	1.0 D + 1.0 L - (0)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 3-06-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 12-05-00 o/c based on loads applied, unless detailed otherwise.
* Member design (strength) is based on loads shown in loading section. TJ-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	1.75"	F14(i2369)	1050 lb	618 lb	-	-
2	12' 2" : 12' 4 5/8"	1.75"	M7-3(i7815)	1086 lb	628 lb	-	29 lb

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0" : 12' 4 5/8"	-	FC1 Floor Decking	8 lb/ft	32 lb/ft	-	-
Uniform	2 3/8" : 12' 4 5/8"	-	B37(i2568)	93 lb/ft	69 lb/ft	-	-
Uniform	2 3/8" : 12' 2 7/8"	-	B37(i2568)	73 lb/ft	-	-	-
Uniform	11' 8 5/8" : 12' 4 5/8"	-	B37(i2568)	42 lb/ft	12 lb/ft	-	44 lb/ft

Errors, Warnings, & Notes:

* This member was designed as a girder member due to load and/or framing conditions. TJ-Pro™ Rating, and other joist member modifiers were not used in the design of this member.
* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN® software by Weyerhaeuser

Design Passed

Member Report

Floor Container: FC1 | Label: B14'-2 | Design Tag: i7766

2 piece(s) of 11 7/8" TJI® 110 joist

Member Type: Joist As Flush Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current literature for installation details and trademark information available at wy.com/woodproducts. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. The product application, input design loads, dimensions and support information have been provided by _____ of _____.

SUSTAINABLE FORESTRY INITIATIVE

JAVELIN software by Weyerhaeuser

Member Report

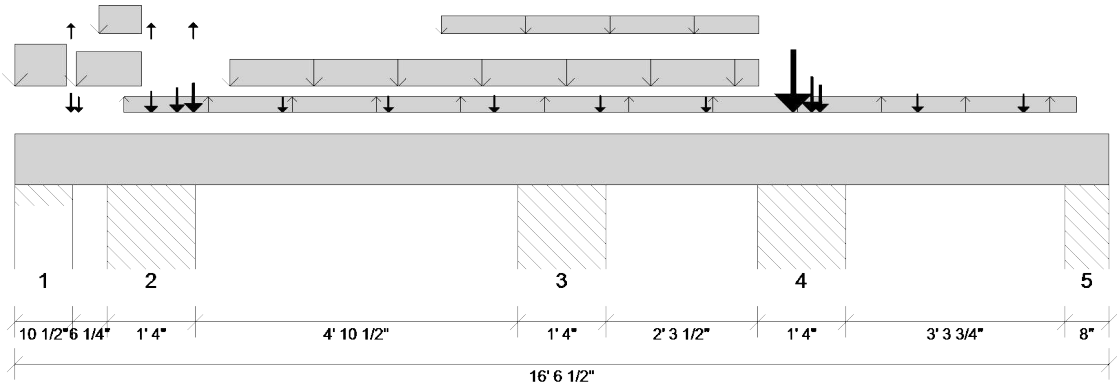
Label: M7-3 | Design Tag: i7759

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 16' 6 1/2" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	6950 lb @ 2' 7 1/4"	42328 lb (10.75")	Passed - 16%	-	1.0 D + 1.0 L - (1)
Shear	1629 lb @ 6' 10"	9227 lb	Passed - 18%	1.00	1.0 D + 1.0 L - (1)
Moment	-1598 lb-ft @ 7' 8 3/4"	16806 lb-ft	Passed - 10%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.01" @ 5' 1 15/16"	0.17" L/360	Passed - L/999	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.01" @ 5' 7 13/16"	0.26" L/240	Passed - L/999	-	1.0 D + 1.0 L - (1)

Vertical Load Capacity Check Passed

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 16-07-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 16-07-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 10 1/2"		-	1199 lb	1139 lb	-	647 lb
++>	3/16" : -	1.5"	F17(i2364)	48 lb	45 lb	-	26 lb
++>	1 1/16" : -	-	F18(i2376)	238 lb	226 lb	-	128 lb
++>	6 1/2" : -	-	PBO2(i2384)	913 lb	868 lb	-	493 lb
2	1' 4 3/4" : 2' 8 3/4"		PBO12(i2394)	2616 / -73 lb	5812 / -66 lb	-	1196 lb
==>	1' 6 1/4" : -	1.5"	PBO12(i2394)	-73 lb	804 / -66 lb	-	236 lb
==>	2' 7 1/4" : -	1.77"	PBO12(i2394)	2616 lb	5008 lb	-	960 lb
3	7' 7 1/4" : 8' 11 1/4"		PBO14(i2399)	1252 / -157 lb	3907 / -135 lb	-	37 / -93 lb
==>	7' 8 3/4" : -	1.5"	PBO14(i2399)	1252 lb	2712 / -135 lb	-	37 lb
==>	8' 9 3/4" : -	1.5"	PBO14(i2399)	-157 lb	1195 lb	-	-93 lb
4	11' 2 3/4" : 12' 6 3/4"		PBO33(i2607)	7213 lb	11579 lb	-	2167 lb
==>	11' 4 1/4" : -	1.5"	PBO33(i2607)	2693 lb	4096 lb	-	820 lb
==>	12' 5 1/4" : -	1.5"	PBO33(i2607)	4520 lb	7483 lb	-	1347 lb
5	15' 10 1/2" : 16' 6 1/2"	1.5"	PBO13(i2397)	140 lb	763 / -102 lb	-	-24 lb

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 16' 6 1/2"	-	Self Weight	13 lb/ft	-	-	-
Uniform	0" : 9 5/16"	-	BBk1(i7811)	492 lb/ft	425 lb/ft	-	400 lb/ft
Uniform	11 1/16" : 1' 11"	-	BBk1(i7811)	417 lb/ft	126 lb/ft	-	400 lb/ft
Uniform	1' 3 5/16" : 1' 11"	-	BBk1(i7811)	125 lb/ft	501 lb/ft	-	-
Uniform	1' 7 13/16" : 16' 0	-	Smoothed Load	-	-6 lb/ft	-	-
Uniform	3' 3" : 11' 3"	-	Smoothed Load	-	559 lb/ft	-	-

JAVELIN® software by Weyerhaeuser

Member Report

Label: M7-3 | Design Tag: i7759

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Tapered	6' 5 3/8" : 11' 3"	-	Smoothed Load	102 To 94 lb/ft	-	-	-
Point	10 3/16" : -	-	B16'(i7735)	254 lb	415 lb	-	-
Point	10 3/16" : -	-	B32'(i7753)	163 lb	465 / -44 lb	-	59 lb
Point	11 9/16" : -	-	BBk1(i7811)	6 lb	25 lb	-	-
Point	2' 0 3/4" : -	-	M2-2(i7817)	486 lb	488 / -59 lb	-	66 lb
Point	2' 5 3/8" : -	-	B16'(i7807)	456 lb	947 lb	-	200 lb
Point	2' 5 3/8" : -	-	B26'(i7741)	373 lb	771 lb	-	202 lb
Point	2' 8 3/8" : -	-	BBk1(i7811)	735 lb	1188 / -185 lb	-	482 lb
Point	4' 0 5/8" : -	-	B16'(i7802)	118 lb	-	-	-
Point	4' 0 5/8" : -	-	B26'(i7745)	107 lb	-	-	-
Point	5' 7 13/16" : -	-	B16'-2(i7624)	192 lb	-	-	-
Point	5' 7 13/16" : -	-	B26'(i7686)	129 lb	-	-	-
Point	7' 3" : -	-	B16'(i7796)	305 lb	-	-	-
Point	8' 10 3/16" : -	-	B16'-2(i7806)	292 lb	-	-	-
Point	10' 5 3/8" : -	-	B26'(i7779)	118 lb	-	-	-
Point	11' 9 1/4" : -	-	BBk1(i7811)	3192 lb	3844 lb	-	1062 lb
Point	12' 0 5/8" : -	-	B26'(i7690)	1243 lb	1807 lb	-	378 lb
Point	12' 0 5/8" : -	-	B14'(i7771)	1221 lb	1743 lb	-	374 lb
Point	12' 2 1/8" : -	-	BBk1(i7811)	818 lb	985 lb	-	272 lb
Point	13' 7 13/16" : -	-	B26'(i7797)	107 lb	440 lb	-	-
Point	13' 7 13/16" : -	-	B14'(i7763)	98 lb	391 lb	-	-
Point	15' 3" : -	-	B26'(i7692)	107 lb	440 lb	-	-
Point	15' 3" : -	-	B14'(i7630)	98 lb	391 lb	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN
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Member Report

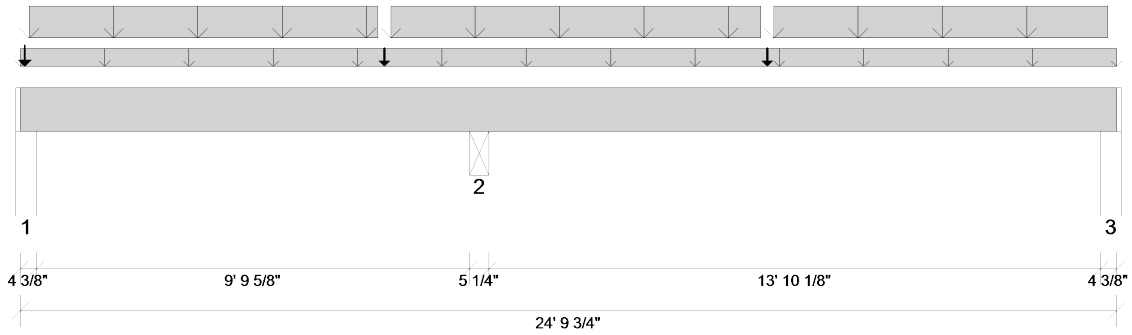
Label: M1-2 | Design Tag: i7747

Design Passed

2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 24' 9 3/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	5502 lb @ 10' 4 5/8"	13781 lb (5.25")	Passed - 40%	-	1.0 D + 1.0 L - (0)
Shear	2588 lb @ 11' 7 1/8"	7897 lb	Passed - 33%	1.00	1.0 D + 1.0 L - (0)
Moment	-7087 lb-ft @ 10' 4 5/8"	17848 lb-ft	Passed - 40%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.12" @ 17' 11 1/2"	0.47" L/360	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.22" @ 18' 0 15/16"	0.71" L/240	Passed - L/771	-	1.0 D + 1.0 L - (0)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 24-09-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 21-02-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	1.5"	F20(i2366)	551 lb	876 / -268 lb	-	-
2	10' 2" : 10' 7 1/4"	2.1"	M4-3(i7575)	2650 lb	2873 lb	-	-
3	24' 5 3/8" : 24' 9 3/4"	1.5"	F2(i2361)	985 lb	1151 / -70 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 24' 9 3/4"	-	Self Weight	11 lb/ft	-	-	-
Uniform	0" : 24' 9 3/4"	-	FC1 Floor Decking	8 lb/ft	32 lb/ft	-	-
Uniform	2 3/8" : 8' 1 1/8"	-	B15(i2322)	151 lb/ft	157 lb/ft	-	-
Uniform	8' 4 5/8" : 16' 9 1/8"	-	B43(i2869)	151 lb/ft	157 lb/ft	-	-
Uniform	17' 0 5/8" : 24' 7 3/8"	-	B42(i2868)	151 lb/ft	157 lb/ft	-	-
Point	1 3/16" : -	-	E3(i2304)	33 lb	31 lb	-	-
Point	8' 2 7/8" : -	-	B39(i2570)	32 lb	-	-	-
Point	16' 10 7/8" : -	-	B38(i2571)	32 lb	-	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.

JAVELIN® software by Weyerhaeuser

Member Report

Label: M1-2 | Design Tag: i7747

Design Passed

2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

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Member Report

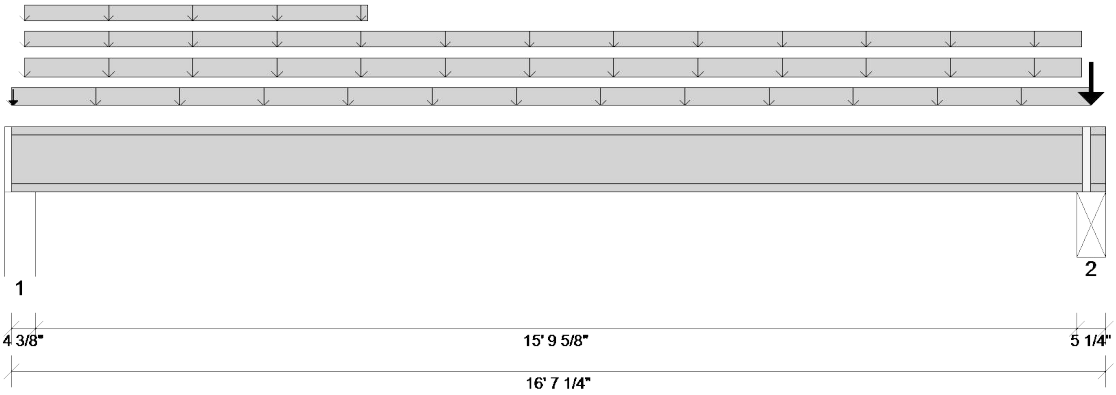
Design Passed

Floor Container: FC1 | Label: B18'-2 | Design Tag: i7728

2 piece(s) of 11 7/8" TJI® 110 joist

Member Type: Joist As Flush Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 16' 7 1/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1245 lb @ 16' 3 1/2"	2750 lb (3.5")	Passed - 45%	1.00	1.0 D + 1.0 L - (0)
Shear	962 lb @ 4 3/8"	3120 lb	Passed - 31%	1.00	1.0 D + 1.0 L - (0)
Moment	3894 lb-ft @ 8' 2 15/16"	6320 lb-ft	Passed - 62%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.10" @ 8' 3 3/16"	0.40" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.37" @ 8' 3 1/8"	0.80" L/240	Passed - L/516	-	1.0 D + 1.0 L - (0)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 4-00-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 16-07-00 o/c based on loads applied, unless detailed otherwise.
* Member design (strength) is based on loads shown in loading section. TJ-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	1.75"	F10(i2375)	686 lb	269 lb	-	-
2	16' 2" : 16' 7 1/4"	1.75"	M6-3(i7994)	785 lb	414 lb	-	22 lb

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0" : 16' 4 5/8"	-	FC1 Floor Decking	8 To 8 lb/ft	32 To 32 lb/ft	-	-
Uniform	2 3/8" : 16' 2 7/8"	-	NB10(i2518)	73 lb/ft	-	-	-
Uniform	2 3/8" : 16' 2 7/8"	-	FC1 Floor Decking	2 lb/ft	-	-	-
Uniform	2 3/8" : 5' 4 7/8"	-	FC1 Floor Decking	3 lb/ft	-	-	-
Point	5/16" : -	-	FC1 Floor Decking	-	1 lb	-	-
Point	16' 4 5/8" : -	-	B5(i2312)	116 lb	156 lb	-	22 lb

Errors, Warnings, & Notes:

* This member was designed as a girder member due to load and/or framing conditions. TJ-Pro™ Rating, and other joist member modifiers were not used in the design of this member.
* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.

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Design Passed

Member Report

Floor Container: FC1 | Label: B18'-2 | Design Tag: i7728

2 piece(s) of 11 7/8" TJI® 110 joist

Member Type: Joist As Flush Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

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SUSTAINABLE FORESTRY INITIATIVE

JAVELIN
software by Weyerhaeuser

Design Passed

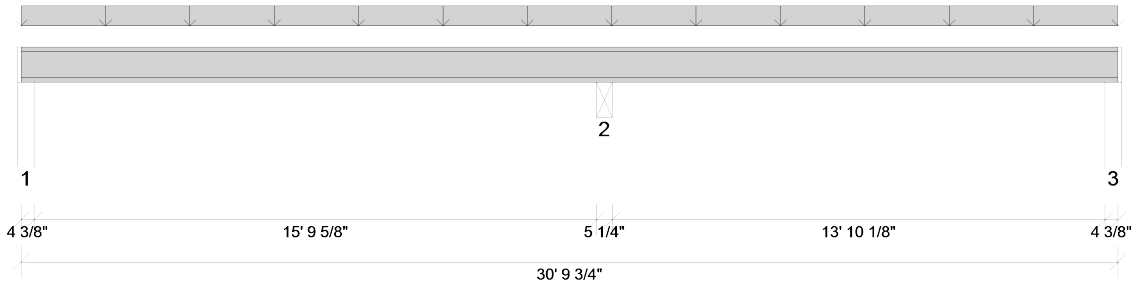
Member Report

Floor Container: FC1 | Label: B32' | Design Tag: i7614

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: FloorJoist | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 30' 9 3/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1518 lb @ 16' 4 5/8"	2350 lb (5.25")	Passed - 65%	1.00	1.0 D + 1.0 L - (0)
Shear	731 lb @ 16' 2"	1716 lb	Passed - 43%	1.00	1.0 D + 1.0 L - (0)
Moment	-2316 lb-ft @ 16' 4 5/8"	3160 lb-ft	Passed - 73%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.23" @ 7' 10 3/8"	0.40" L/480	Passed - L/842	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.27" @ 7' 9 1/4"	0.81" L/240	Passed - L/710	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	35	25	Passed		

Decking Material & Attachment: 23/32"x48"x96" Weyerhaeuser Edge Gold Panel (0/24) T&G SF - Glue And Nail

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 4-01-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 3-08-00 o/c based on loads applied, unless detailed otherwise.
* For TJ-Pro™ Rating calculation the controlling span is considered to be supported by beams.
* Member design (strength) is based on loads shown in loading section. TJ-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	1.75"	F18(i2376)	106 lb	471 / -46 lb	-	-
2	16' 2" : 16' 7 1/4"	3.5"	M4-3(i7575)	303 lb	1213 lb	-	-
3	30' 5 3/8" : 30' 9 3/4"	1.75"	F2(i2361)	87 lb	424 / -78 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0" : 30' 9 3/4"	-	FC1 Floor Decking	16 lb/ft	64 lb/ft	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* The TJ-Pro™ Rating shown above is based on the default decking for the floor container. Special decking (if used) was not used in determination of the TJ-Pro™ Rating.

JAVELIN® software by Weyerhaeuser

Design Passed

Member Report

Floor Container: FC1 | Label: B32' | Design Tag: i7614

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: FloorJoist | Level: 1st Floor

Product is Sufficient for Application and Loads Described

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN
software by Weyerhaeuser

Design Passed

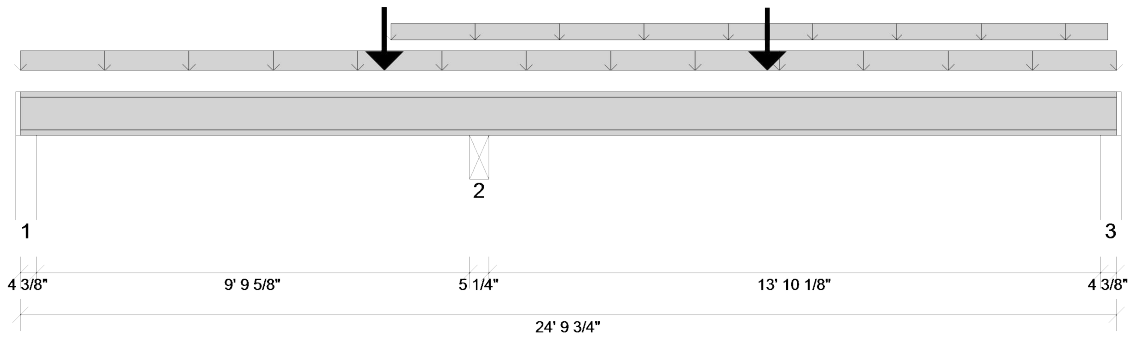
Member Report

Floor Container: FC1 | Label: B26' | Design Tag: i7608

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: FloorJoist | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 24' 9 3/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2330 lb @ 10' 4 5/8"	2350 lb (5.25")	Passed - 99%	1.00	1.0 D + 1.0 L - (0)
Shear	1088 lb @ 10' 7 1/4"	1716 lb	Passed - 63%	1.00	1.0 D + 1.0 L - (0)
Moment	-3008 lb-ft @ 10' 4 5/8"	3160 lb-ft	Passed - 95%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.21" @ 17' 9 7/8"	0.35" L/480	Passed - L/822	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.32" @ 17' 10 1/2"	0.71" L/240	Passed - L/525	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	43	25	Passed		

Decking Material & Attachment: 23/32"x48"x96" Weyerhaeuser Edge Gold Panel (0/24) T&G SF - Glue And Nail

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 3-02-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 3-01-00 o/c based on loads applied, unless detailed otherwise.
* For TJ-Pro™ Rating calculation the controlling span is considered to be supported by beams.
* Member design (strength) is based on loads shown in loading section. TJ-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	1.75"	F20(i2366)	30 lb	353 / -135 lb	-	-
2	10' 2" : 10' 7 1/4"	5.16"	M4-3(i7575)	870 lb	1464 lb	-	-
3	24' 5 3/8" : 24' 9 3/4"	1.75"	F2(i2361)	272 lb	506 / -36 lb	-	-

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Uniform	0" : 24' 9 3/4"	-	FC1 Floor Decking	16 lb/ft	64 lb/ft	-	-
Uniform	8' 4 5/8" : 24' 7 3/8"	-	FC1 Floor Decking	16 lb/ft	-	-	-
Point	8' 2 7/8" : -	-	B39(i2570)	257 lb	279 lb	-	-
Point	16' 10 7/8" : -	-	B38(i2571)	255 lb	273 lb	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.

JAVELIN® software by Weyerhaeuser

Design Passed

Member Report

Floor Container: FC1 | Label: B26' | Design Tag: i7608

1 piece(s) of 11 7/8" TJI® 110 joist

Member Type: FloorJoist | Level: 1st Floor

Product is Sufficient for Application and Loads Described

* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* The TJ-Pro™ Rating shown above is based on the default decking for the floor container. Special decking (if used) was not used in determination of the TJ-Pro™ Rating.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

JAVELIN software by Weyerhaeuser

Member Report

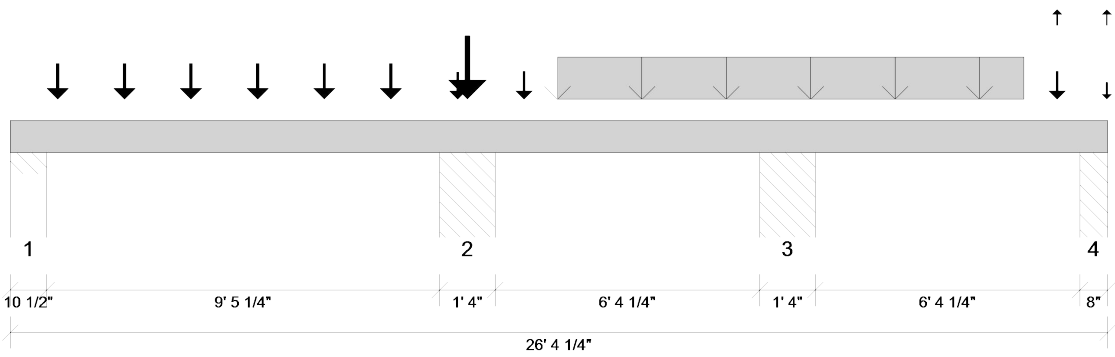
Label: M4-3 | Design Tag: i7575

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018 Design Methodology: ASD Member Cut Length: 26' 4 1/4" Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	11797 lb @ 10' 5 1/4"	42328 lb (10.75")	Passed - 28%	-	1.0 D + 1.0 L - (1)
Shear	7674 lb @ 9' 6 1/2"	9227 lb	Passed - 83%	1.00	1.0 D + 1.0 L - (1)
Moment	12823 lb-ft @ 4' 4 1/8"	16806 lb-ft	Passed - 76%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.23" @ 5' 4 13/16"	0.32" L/360	Passed - L/512	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.32" @ 5' 3 3/8"	0.48" L/240	Passed - L/363	-	1.0 D + 1.0 L - (1)

Vertical Load Capacity Check Passed

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced at 15-11-00 o/c based on loads applied, unless detailed otherwise.
* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 17-00-00 o/c based on loads applied, unless detailed otherwise.

Supports:

				Maximum Loads to Supports			
Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow
1	0" : 10 1/2"		-	2416 lb	4132 / -26 lb	-	-
++>	1 1/4" : -	1.7"	F1(i2358)	575 lb	984 / -6 lb	-	-
++>	6 1/2" : -	-	PBO1(i2383)	1841 lb	3148 / -20 lb	-	-
2	10' 3 3/4" : 11' 7 3/4"		PBO5(i2387)	7031 lb	17441 lb	-	-
==>	10' 5 1/4" : -	3"	PBO5(i2387)	7031 lb	11317 lb	-	-
==>	11' 6 1/4" : -	1.5"	PBO5(i2387)	-	6124 lb	-	-
3	18' 0" : 19' 4"		PBO15(i2400)	1346 lb	8261 lb	-	-
==>	18' 1 1/2" : -	1.5"	PBO15(i2400)	-	3030 lb	-	-
==>	19' 2 1/2" : -	1.5"	PBO15(i2400)	1346 lb	5231 lb	-	-
4	25' 8 1/4" : 26' 4 1/4"	1.5"	PBO11(i2393)	631 lb	2477 / -35 lb	-	-1 lb

Loads:

				Maximum Loads on Member			
Type	Start : End	Combine	Source	Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 26' 4 1/4"	-	Self Weight	13 lb/ft	-	-	-
Uniform	13' 1 11/16" : 24' 4	-	Smoothed Load	189 lb/ft	758 lb/ft	-	-
Point	1' 1 11/16" : -	-	B26'(i7780)	860 lb	1457 lb	-	-
Point	2' 8 7/8" : -	-	B26'(i7608)	870 lb	1464 lb	-	-
Point	4' 4 1/8" : -	-	B26'(i7792)	870 lb	1464 lb	-	-
Point	5' 11 5/16" : -	-	B26'(i7805)	870 lb	1464 lb	-	-
Point	7' 6 1/2" : -	-	B26'(i7611)	870 lb	1464 lb	-	-
Point	9' 1 11/16" : -	-	B26'(i7765)	870 lb	1464 lb	-	-
Point	10' 8 7/8" : -	-	B26'(i7726)	482 lb	827 lb	-	-
Point	10' 11 3/4" : -	-	M1-2(i7747)	2650 lb	2873 lb	-	-
Point	12' 4 1/8" : -	-	B32'(i7755)	282 lb	1129 lb	-	-

JAVELIN® software by Weyerhaeuser

Member Report

Label: M4-3 | Design Tag: i7575

Design Passed

3 piece(s) of 1 3/4" x 9 1/4" 2.0E Microllam® LVL

Member Type: Beam | Level: 1st Floor

Product is Sufficient for Application and Loads Described

Point	25' 1 11/16" : -	-	B32'(i7753)	280 lb	1125 lb	-	-1 lb
Point	26' 4" : -	-	M2-2(i7817)	45 lb	77 / -3 lb	-	-

Errors, Warnings, & Notes:

* If sloping roof loads are applied to this member, the roof dead load has been adjusted for slope.
* The member graphic, dimensions, and locations shown on this report are based on the centerline of the member.
* Analysis and Design has been performed using precision loading from actual modeled conditions. Some loads may have been modified to simplify reporting.
* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15