

Member Report

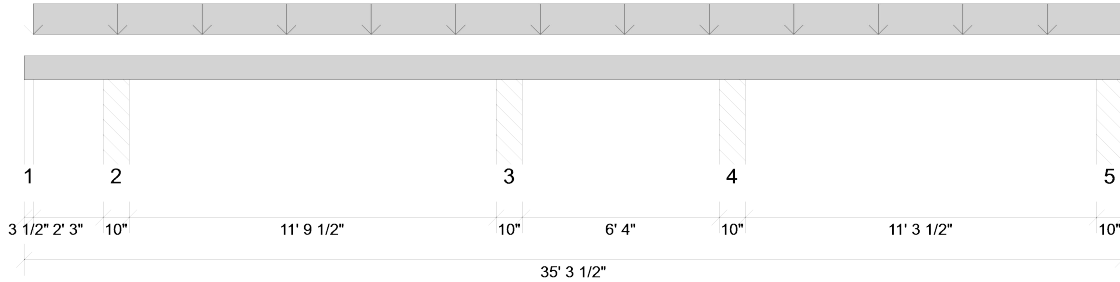
Label: M5-2 | Design Tag: i1268

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

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 35' 3 1/2"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2878 lb @ 15' 7"	26250 lb (10")	Passed - 11%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1488 lb @ 14' 4 3/4"	7074 lb	Passed - 21%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	3291 lb-ft @ 8' 6 7/16"	12884 lb-ft	Passed - 26%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.11" @ 8' 10 13/16"	0.42" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.20" @ 8' 11"	0.63" L/240	Passed - L/769	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 35-04-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 35-04-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Uplift constraint has been released at support location 2-00.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 3 1/2"	1.5"	E5(i2)	-	82 / -186 lb	-	-122 lb	-
2	2' 6 1/2" : 3' 4 1/2"	1.5"	PBO1(i93)	1007 lb	677 lb	-	1009 lb	-
3	15' 2" : 16' 0"	1.5"	PBO2(i94)	1282 lb	682 lb	-	1435 lb	-
4	22' 4" : 23' 2"	1.5"	PBO3(i95)	1239 lb	642 lb	-	1399 lb	-
5	34' 5 1/2" : 35' 3 1/2"	1.5"	PBO4(i96)	688 lb	304 / -9 lb	-	698 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 35' 3 1/2"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	3 1/2" : 35' 3 1/2" (Top)	-	User Load	111 lb/ft	51 lb/ft	-	120 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.

File Name: 26139

LOT 5 LEAFLET CHURCH ROAD

REVISION DATE

REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19

Data: V8.1.6.3

12/23/2024 10:46:29 AM

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Member Report

Label: M5-2 | Design Tag: i1268

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

Member Type: Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

* Side loads are assumed to not induce cross-grain tension.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

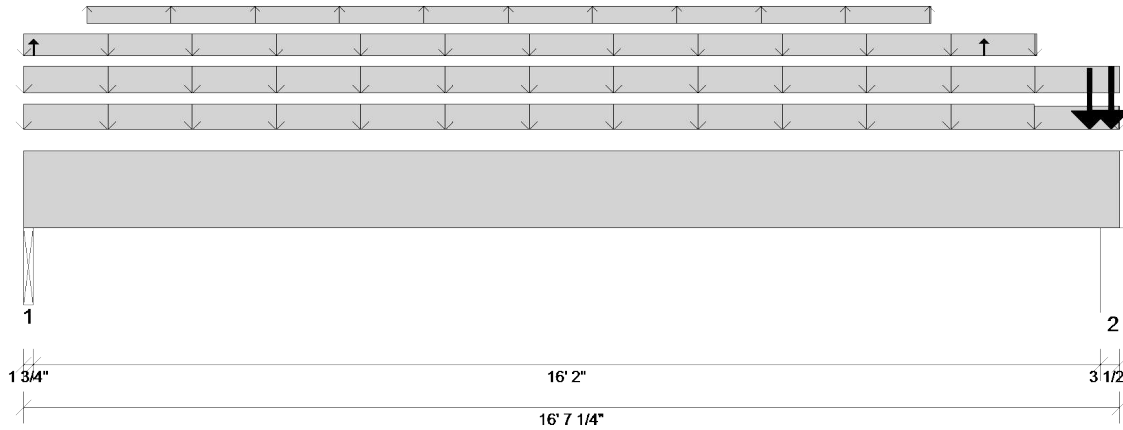
Label: M3-2 | Design Tag: i1266

2 piece(s) of 1 3/4" x 14" 2.0E Microllam® LVL

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

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	4801 lb @ 16' 5 1/4"	5206 lb (3.5")	Passed - 92%	-	1.0 D + 0.75 L + 0.75 S - (1)
Shear	3072 lb @ 15' 1 3/4"	9310 lb	Passed - 33%	1.00	1.0 D + 1.0 L - (1)
Moment	14520 lb-ft @ 8' 1 7/8"	24258 lb-ft	Passed - 60%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.24" @ 8' 2 13/16"	0.55" L/360	Passed - L/834	-	1.0 D + 0.75 L + 0.75 S - (1)
Total Load Deflection	0.51" @ 8' 2 13/16"	0.82" L/240	Passed - L/390	-	1.0 D + 0.75 L + 0.75 S - (1)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 10-02-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 16-07-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 1 3/4"	1.5"	M1-2(i1179)	2012 lb	1586 lb	-	822 lb	-
2	16' 3 3/4" : 16' 7 1/4"	3.23"	B5(i32)	2515 lb	2025 lb	-	1019 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 16' 7 1/4"	-	Self Weight	14 lb/ft	-	-	-	-
Uniform	0" : 16' 7 1/4" (Top)	-	B22(i48)	115 lb/ft	-	-	100 lb/ft	-
Uniform	0" : 15' 3 3/4" (Top)	-	B22(i48)	96 lb/ft	96 lb/ft	-	-	-
Uniform	11 7/16" : 13' 9 1/16" (-)	-	Smoothed Load	-	-19 lb/ft	-	-	-
Uniform	15' 3 3/4" : 16' 7 1/4" (Top)	-	B22(i48)	72 lb/ft	72 lb/ft	-	-	-
Tapered	0" : 15' 4 1/4" (-)	-	Smoothed Load	19 To 20 lb/ft	94 To 93 lb/ft	-	-	-
Point	1 7/8" (Back)	-	G16'(i1038)	-	-18 lb	-	-	-
Point	14' 6 5/8" (Back)	-	G16'(i1173)	-	-23 lb	-	-	-
Point	16' 1 7/8" (Back)	-	G18'(i1200)	231 lb	423 lb	-	-	-
Point	16' 5 3/4" (Top)	-	B22(i48)	302 lb	197 lb	-	181 lb	-



Member Report

Label: M3-2 | Design Tag: i1266

2 piece(s) of 1 3/4" x 14" 2.0E Microllam® LVL

Member Type: Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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.
- * Side loads are assumed to not induce cross-grain tension.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

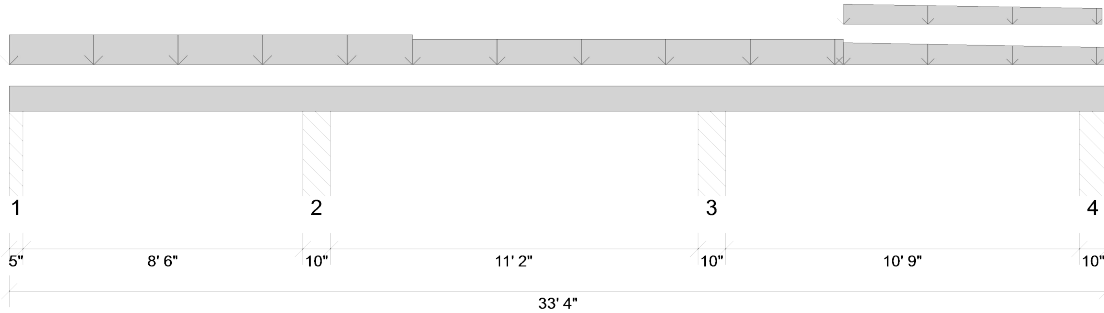
Label: M6-2 | Design Tag: i1263

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

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 33' 4"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2541 lb @ 9' 4"	26250 lb (10")	Passed - 10%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1044 lb @ 8' 1 3/4"	7074 lb	Passed - 15%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	-2356 lb-ft @ 9' 4"	12884 lb-ft	Passed - 18%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.03" @ 4' 6 3/8"	0.30" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.07" @ 27' 4 11/16"	0.56" L/240	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 33-04-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 33-04-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Maximum Loads to Supports

Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 5"	1.5"	PBO8(i103)	421 lb	193 / -31 lb	-	493 lb	-
2	8' 11" : 9' 9"	1.5"	PBO9(i104)	1191 lb	492 lb	-	1299 lb	-
3	20' 11" : 21' 9"	1.5"	PBO10(i105)	1010 lb	427 lb	-	1017 lb	-
4	32' 6" : 33' 4"	1.5"	PBO6(i101)	240 lb	104 / -21 lb	-	249 lb	-

Loads:

Maximum Loads on Member

Type	Start : End (Side)	Combine	Source	Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 33' 4"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	0" : 12' 3" (Top)	-	User Load	103 lb/ft	43 lb/ft	-	120 lb/ft	-
Uniform	12' 3" : 25' 4" (Top)	-	User Load	71 lb/ft	31 lb/ft	-	80 lb/ft	-
Tapered	25' 4" : 33' 4" (Back)	-	User Load	40 To 10 lb/ft	-	-	80 To 20 lb/ft	-
Tapered	25' 4" : 33' 2 1/4" (Top)	-	User Load	41 To 1 lb/ft	41 To 1 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.

File Name: 26139

LOT 5 LEAFLET CHURCH ROAD

REVISION DATE

REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19

Data: V8.1.6.3

12/23/2024 10:46:29 AM

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Member Report

Label: M6-2 | Design Tag: i1263

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

Member Type: Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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

* Side loads are assumed to not induce cross-grain tension.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

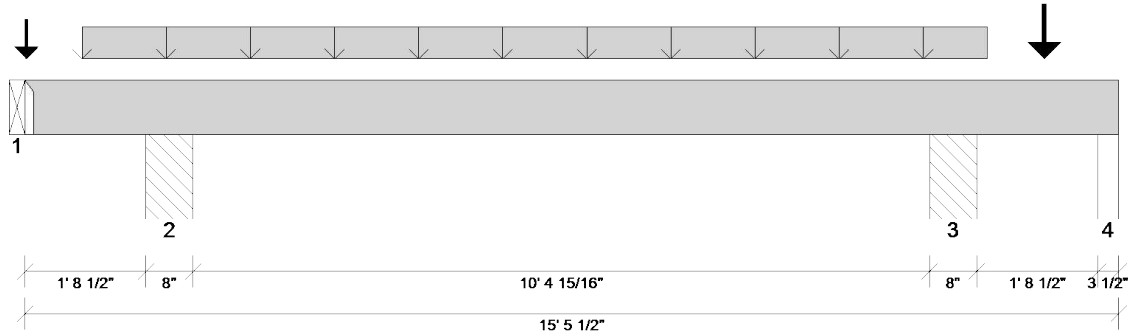
Label: M8-2 | Design Tag: i1261

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

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 15' 5 1/2"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2426 lb @ 2' 0 1/2"	21000 lb (8")	Passed - 12%	-	1.0 D + 1.0 L - (0)
Shear	1660 lb @ 3' 1 3/4"	6151 lb	Passed - 27%	1.00	1.0 D + 1.0 L - (0)
Moment	4622 lb-ft @ 8' 0 1/8"	11204 lb-ft	Passed - 41%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.19" @ 7' 6 13/16"	0.37" L/360	Passed - L/697	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.23" @ 7' 6 7/8"	0.55" L/240	Passed - L/568	-	1.0 D + 1.0 L - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 15-06-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 15-06-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Upward deflection of removed support at 00-00-00 exceeds 00-00-02.
- * Uplift constraint has been released at support location 00-00-00.
- * Uplift constraint has been released at support location 15-03-08.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 0"	1.5"	M1-2(i1179)	-208 lb	258 / -1105 lb	-	-	-
2	1' 8 1/2" : 2' 4 1/2"	1.5"	PBO14(i241)	743 lb	2706 lb	-	-	-
3	12' 9 1/2" : 13' 5 1/2"	1.5"	PBO13(i240)	729 lb	2656 lb	-	-	-
4	15' 2" : 15' 5 1/2"	1.5"	B67(i393)	-224 lb	192 / -1023 lb	-	-	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 15' 5 1/2"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	9 11/16" : 13' 7 5/16" (-)	-	Smoothed Load	59 lb/ft	246 lb/ft	-	-	-
Point	1/4" (Top)	-	G16'(i1038)	68 lb	180 lb	-	-	-
Point	14' 4 7/8" (Top)	-	G16'(i1173)	81 lb	336 lb	-	-	-

Connector Information:

Support	Manufacturer	Model	Nailing Requirements			Min. Seat Length	Other Information
			Top	Face	Member		
1	SST	HGUS410	Not Applicable	46- 10d	16- 10d	1.5"	Minimum seat length reported is based on the design load

Member Report

Label: M8-2 | Design Tag: i1261

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

Member Type: Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

Errors, Warnings, & Notes:

- * CAUTION: This member is within a floor container, but is not in contact with the floor sheathing. It has not been assigned with directly applied floor loads.
- * CAUTION: The maximum net analysis reaction exceeds the user-defined maximum uplift value at one or more supports.
- * 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.
- * Side loads are assumed to not induce cross-grain tension.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

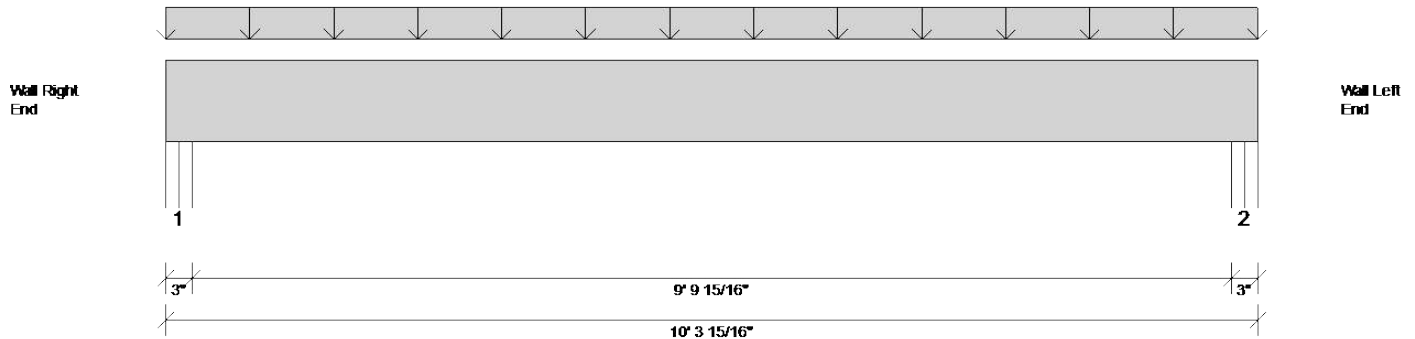
Wall: E12 | Label: E12_MHd3-2 | Design Tag: i1259

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

Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 10' 3 15/16"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDf	Load Combination - (Load Group)
Critical Reaction	1598 lb @ 1 1/2"	7875 lb (3")	Passed - 20%	-	1.0 D + 1.0 L - (0)
Shear	1282 lb @ 1' 0 1/4"	6151 lb	Passed - 21%	1.00	1.0 D + 1.0 L - (0)
Moment	3930 lb-ft @ 5' 2"	11204 lb-ft	Passed - 35%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.13" @ 5' 2"	0.34" L/360	Passed - L/910	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.17" @ 5' 2"	0.50" L/240	Passed - L/713	-	1.0 D + 1.0 L - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 10-04-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 10-04-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 3"	1.5"	Trimmer	343 lb	1253 lb	-	-	-
2	10' 0 15/16" : 10' 3 15/16"	1.5"	Trimmer	343 lb	1253 lb	-	-	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 10' 3 15/16"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	0" : 10' 3 15/16" (-)	-	Smoothed Load	57 lb/ft	242 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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60



Member Report

Wall: E12 | Label: E12_MHd3-2 | Design Tag: i1259

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

Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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Member Report

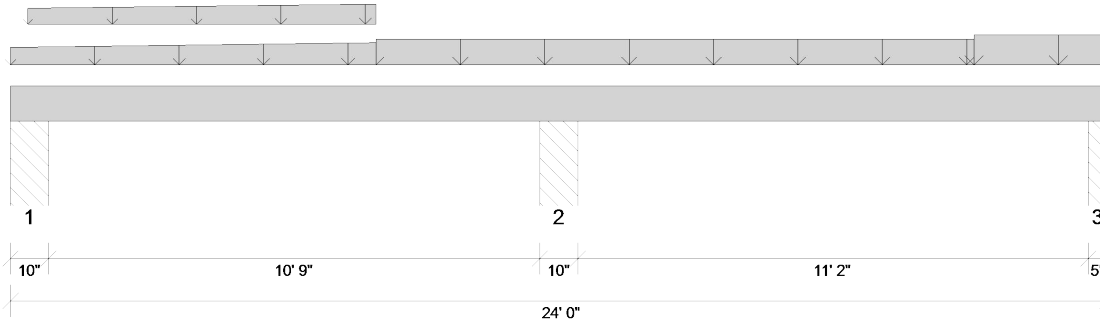
Label: M7-2 | Design Tag: i1255

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

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 24' 0"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2302 lb @ 12' 0"	26250 lb (10")	Passed - 9%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1012 lb @ 13' 2 1/4"	7074 lb	Passed - 14%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	-2614 lb-ft @ 12' 0"	12884 lb-ft	Passed - 20%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.06" @ 18' 4 1/4"	0.39" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.10" @ 18' 5 7/8"	0.59" L/240	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 24-00-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 24-00-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 10"	1.5"	PBO5(i100)	220 lb	100 / -25 lb	-	233 lb	-
2	11' 7" : 12' 5"	1.5"	PBO7(i102)	1128 lb	447 lb	-	1106 lb	-
3	23' 7" : 24' 0"	1.5"	PBO8(i103)	468 lb	200 / -19 lb	-	512 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 24' 0"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	8' 0" : 21' 1" (Top)	-	User Load	71 lb/ft	31 lb/ft	-	80 lb/ft	-
Uniform	21' 1" : 24' 0" (Top)	-	User Load	103 lb/ft	43 lb/ft	-	120 lb/ft	-
Tapered	0" : 8' 0" (Back)	-	User Load	10 To 40 lb/ft	-	-	20 To 80 lb/ft	-
Tapered	4 9/16" : 8' 0" (Top)	-	User Load	3 To 41 lb/ft	3 To 41 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.

File Name: 26139

LOT 5 LEAFLET CHURCH ROAD

REVISION DATE

REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19

Data: V8.1.6.3

12/23/2024 10:46:29 AM

Page 1 of 2



Member Report

Label: M7-2 | Design Tag: i1255

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

Member Type: Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

* Side loads are assumed to not induce cross-grain tension.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

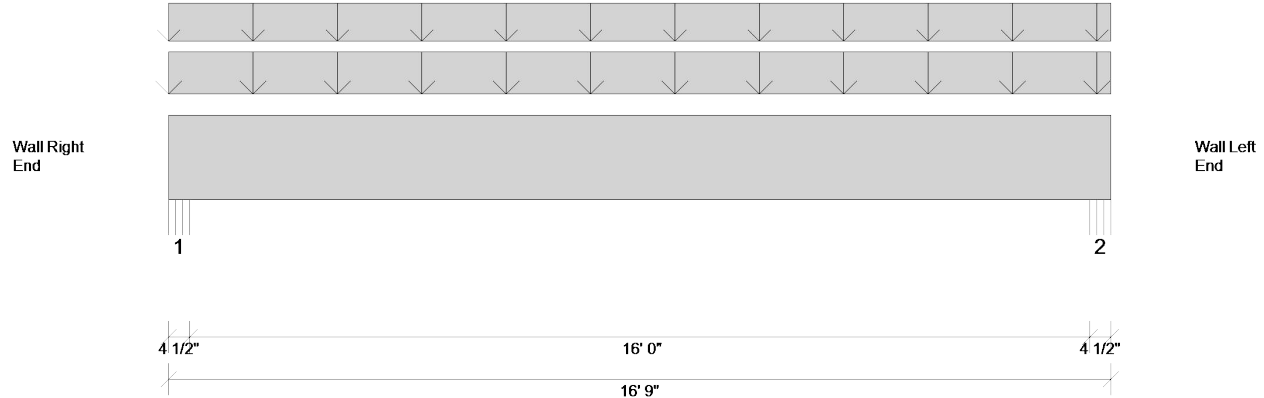
Wall: E3 | Label: E3_MHd1-2 | Design Tag: i1253

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

Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 16' 9"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	6490 lb @ 3"	11813 lb (4.5")	Passed - 55%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	5037 lb @ 1' 10 1/2"	13766 lb	Passed - 37%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	25577 lb-ft @ 8' 4 1/2"	44566 lb-ft	Passed - 57%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.26" @ 8' 4 1/2"	0.54" L/360	Passed - L/761	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.40" @ 8' 4 1/2"	0.81" L/240	Passed - L/483	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 7-03-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 16-09-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 4 1/2"	2.47"	Trimmer	2367 lb	3141 lb	-	2345 lb	-
2	16' 4 1/2" : 16' 9"	2.47"	Trimmer	2367 lb	3141 lb	-	2345 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 16' 9"	-	Self Weight	17 lb/ft	-	-	-	-
Uniform	0" : 16' 9" (-)	-	Smoothed Load	125 lb/ft	375 lb/ft	-	-	-
Uniform	0" : 16' 9" (Top)	-	STCa1(i1205)	140 lb/ft	-	-	280 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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60



Member Report

Wall: E3 | Label: E3_MHd1-2 | Design Tag: i1253

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

Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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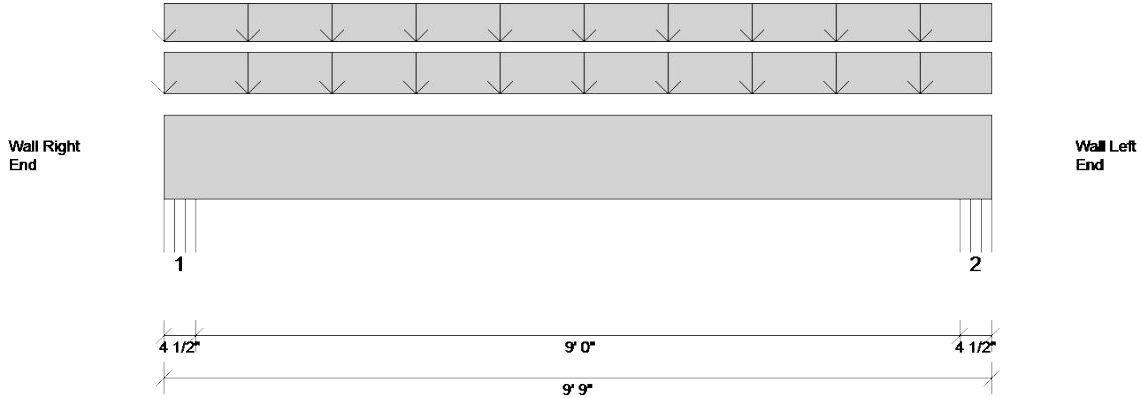


Member Report

Wall: E3 | Label: E3_MHd2-2 | Design Tag: i1251
2 piece(s) of 1 3/4" x 11 7/8" 2.0E Microllam® LVL
 Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 9' 9"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	3747 lb @ 3"	11813 lb (4.5")	Passed - 32%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	2698 lb @ 1' 4 3/8"	9081 lb	Passed - 30%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	8221 lb-ft @ 4' 10 1/2"	20525 lb-ft	Passed - 40%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.10" @ 4' 10 1/2"	0.31" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.15" @ 4' 10 1/2"	0.46" L/240	Passed - L/728	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 9-09-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 9-09-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 4 1/2"	1.5"	Trimmer	1349 lb	1828 lb	-	1365 lb	-
2	9' 4 1/2" : 9' 9"	1.5"	Trimmer	1349 lb	1828 lb	-	1365 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 9' 9"	-	Self Weight	11 lb/ft	-	-	-	-
Uniform	0" : 9' 9" (-)	-	Smoothed Load	125 lb/ft	375 lb/ft	-	-	-
Uniform	0" : 9' 9" (Top)	-	STCa1(i1205)	140 lb/ft	-	-	280 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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60



Member Report

Wall: E3 | Label: E3_MHd2-2 | Design Tag: i1251

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

Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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Member Report

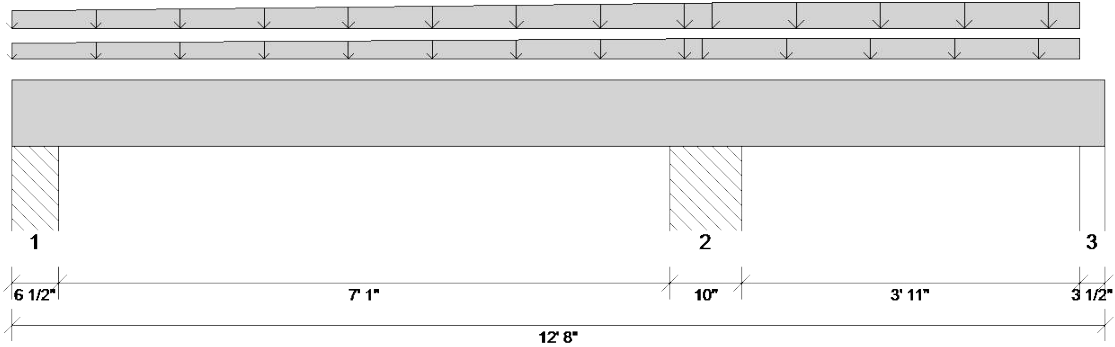
Label: M9-2 | Design Tag: i1250

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

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 12' 8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1486 lb @ 8' 0 1/2"	26250 lb (10")	Passed - 6%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	512 lb @ 6' 10 1/4"	7074 lb	Passed - 7%	1.15	1.0 D + 1.0 S - (0)
Moment	-888 lb-ft @ 8' 0 1/2"	12884 lb-ft	Passed - 7%	1.15	1.0 D + 1.0 S - (0)
Live Load Deflection	0.01" @ 4' 0 3/8"	0.25" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.02" @ 3' 11 13/16"	0.38" L/240	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 12-08-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 12-08-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 6 1/2"	1.5"	PBO6(i101)	162 lb	51 / -5 lb	-	173 lb	-
2	7' 7 1/2" : 8' 5 1/2"	1.5"	PBO12(i107)	704 lb	256 lb	-	754 lb	-
3	12' 4 1/2" : 12' 8"	1.5"	E8(i1)	145 lb	82 / -25 lb	-	193 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 12' 8"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	8' 0" : 12' 4 1/2" (Top)	-	User Load	41 lb/ft	41 lb/ft	-	-	-
Uniform	8' 1 3/8" : 12' 4 1/2" (Back)	-	User Load	60 lb/ft	-	-	120 lb/ft	-
Tapered	-0" : 8' 1 3/8" (Back)	-	User Load	10 To 60 lb/ft	-	-	20 To 120 lb/ft	-
Tapered	0" : 8' 0" (Top)	-	User Load	2 To 42 lb/ft	2 To 42 lb/ft	-	-	-

Errors, Warnings, & Notes:

- * CAUTION: This member is within a floor container, but is not in contact with the floor sheathing. It has not been assigned with directly applied floor loads.
- * 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.

File Name: 26139

LOT 5 LEAFLET CHURCH ROAD

REVISION DATE

REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19

Data: V8.1.6.3

12/23/2024 10:46:29 AM

Page 1 of 2



Member Report

Label: M9-2 | Design Tag: i1250

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

Member Type: Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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

* Side loads are assumed to not induce cross-grain tension.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

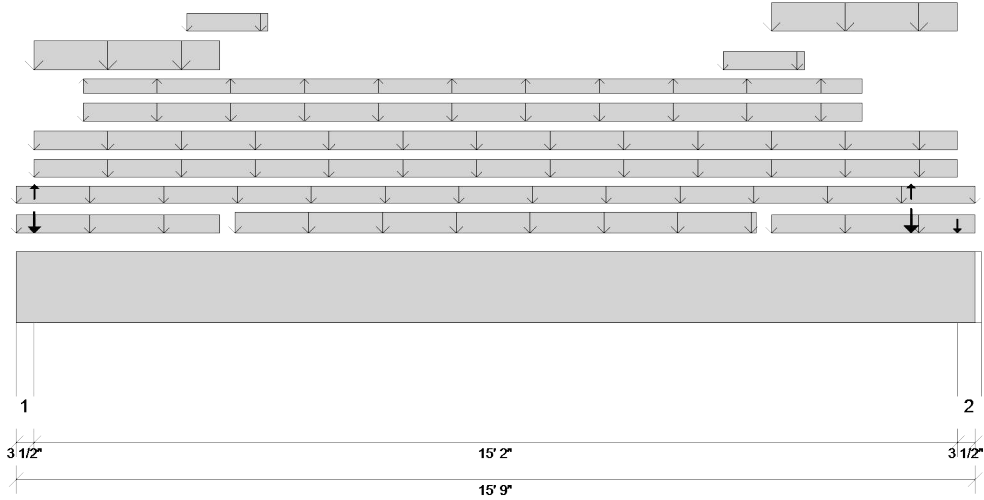
Label: M4-2 | Design Tag: i1249

2 piece(s) of 1 3/4" x 14" 2.0E Microllam® LVL

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 15' 9"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	4344 lb @ 2"	5206 lb (3.5")	Passed - 83%	-	1.0 D + 0.75 L + 0.75 S - (1)
Shear	3513 lb @ 14' 3 1/2"	10707 lb	Passed - 33%	1.15	1.0 D + 0.75 L + 0.75 S - (1)
Moment	15122 lb-ft @ 7' 11 1/2"	27897 lb-ft	Passed - 54%	1.15	1.0 D + 0.75 L + 0.75 S - (1)
Live Load Deflection	0.22" @ 7' 10 1/2"	0.51" L/360	Passed - L/828	-	1.0 D + 0.75 L + 0.75 S - (1)
Total Load Deflection	0.45" @ 7' 10 1/2"	0.77" L/240	Passed - L/415	-	1.0 D + 0.75 L + 0.75 S - (1)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 10-06-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 15-09-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Maximum Loads to Supports

Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 3 1/2"	2.92"	E13(i10)	2158 lb	1154 lb	-	1760 lb	-
2	15' 5 1/2" : 15' 9"	2.9"	E11(i13)	2151 lb	1116 lb	-	1758 lb	-

Loads:

Maximum Loads on Member

Type	Start : End (Side)	Combine	Source	Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 15' 9"	-	Self Weight	14 lb/ft	-	-	-	-
Uniform	0" : 15' 9" (Top)	-	B32(i61)	65 lb/ft	-	-	-	-
Uniform	0" : 3' 4 1/8" (Top)	-	B32(i61)	48 lb/ft	48 lb/ft	-	-	-
Uniform	3 1/2" : 15' 5 1/2" (Top)	-	B32(i61)	40 lb/ft	-	-	80 lb/ft	-
Uniform	3 1/2" : 15' 5 1/2" (Top)	-	User Load	43 lb/ft	43 lb/ft	-	-	-
Uniform	3 1/2" : 3' 4 1/8" (Top)	-	B32(i61)	110 lb/ft	-	-	220 lb/ft	-
Uniform	2' 9 5/8" : 4' 1 5/8" (Top)	-	B32(i61)	50 lb/ft	-	-	40 lb/ft	-
Uniform	3' 7 1/8" : 12' 1 7/8" (Top)	-	B32(i61)	50 lb/ft	-	-	100 lb/ft	-
Uniform	11' 7 3/8" : 12' 11 3/8" (Top)	-	B32(i61)	50 lb/ft	-	-	40 lb/ft	-
Uniform	12' 4 7/8" : 15' 9" (Top)	-	B32(i61)	48 lb/ft	48 lb/ft	-	-	-
Uniform	12' 4 7/8" : 15' 5 1/2" (Top)	-	B32(i61)	110 lb/ft	-	-	220 lb/ft	-
Tapered	1' 1 3/16" : 13' 10 13/16" (-)	-	Smoothed Load	18 To 17 lb/ft	86 To 86 / -20 To -20 lb/ft	-	-	-
Point	3 1/2" (Top)	-	FC4 Floor Decking	1 lb	3 lb	-	-	-
Point	3 5/8" (Front)	-	G16'(i1038)	15 lb	79 / -18 lb	-	-	-
Point	14' 8 3/8" (Front)	-	G16'(i1173)	22 lb	108 / -25 lb	-	-	-
Point	15' 5 1/2" (Top)	-	FC4 Floor Decking	1 lb	3 lb	-	-	-

Member Report

Label: M4-2 | Design Tag: i1249

2 piece(s) of 1 3/4" x 14" 2.0E Microllam[®] LVL

Member Type: Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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.
- * Side loads are assumed to not induce cross-grain tension.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

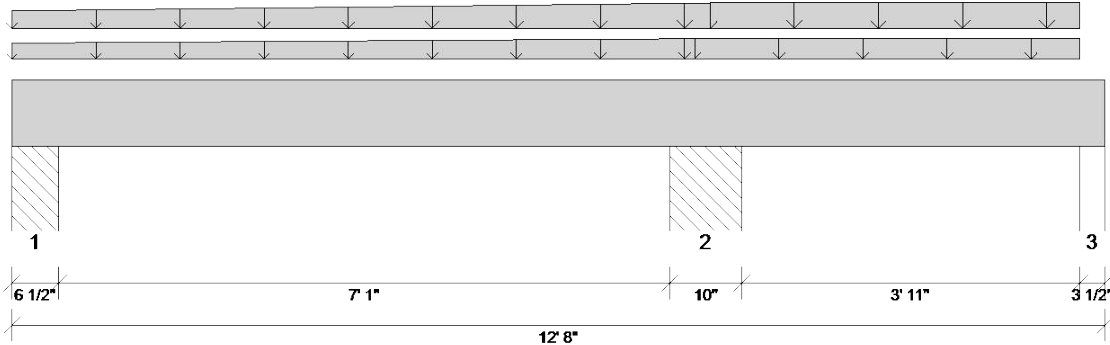
Label: M9-2 | Design Tag: i1247

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

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 12' 8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1487 lb @ 8' 0 1/2"	26250 lb (10")	Passed - 6%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	512 lb @ 6' 10 1/4"	7074 lb	Passed - 7%	1.15	1.0 D + 1.0 S - (0)
Moment	-888 lb-ft @ 8' 0 1/2"	12884 lb-ft	Passed - 7%	1.15	1.0 D + 1.0 S - (0)
Live Load Deflection	0.01" @ 4' 0 3/8"	0.25" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.02" @ 3' 11 13/16"	0.38" L/240	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 12-08-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 12-08-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	-0" : 6 1/2"	1.5"	PBO5(i100)	161 lb	51 / -5 lb	-	173 lb	-
2	7' 7 1/2" : 8' 5 1/2"	1.5"	PBO11(i106)	705 lb	256 lb	-	755 lb	-
3	12' 4 1/2" : 12' 8"	1.5"	E16(i12)	147 lb	82 / -25 lb	-	195 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	-0" : 12' 8"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	7' 10 15/16" : 12' 4 1/2" (Top)	-	User Load	41 lb/ft	41 lb/ft	-	-	-
Uniform	8' 1 1/8" : 12' 4 1/2" (Back)	-	User Load	60 lb/ft	-	-	120 lb/ft	-
Tapered	0" : 8' 1 1/8" (Back)	-	User Load	10 To 60 lb/ft	-	-	20 To 120 lb/ft	-
Tapered	-0" : 7' 10 15/16" (Top)	-	User Load	2 To 42 lb/ft	2 To 42 lb/ft	-	-	-

Errors, Warnings, & Notes:

- * CAUTION: This member is within a floor container, but is not in contact with the floor sheathing. It has not been assigned with directly applied floor loads.
- * 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.

File Name: 26139

LOT 5 LEAFLET CHURCH ROAD

REVISION DATE

REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19

Data: V8.1.6.3

12/23/2024 10:46:29 AM

Page 1 of 2



Member Report

Label: M9-2 | Design Tag: i1247

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

Member Type: Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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

* Side loads are assumed to not induce cross-grain tension.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

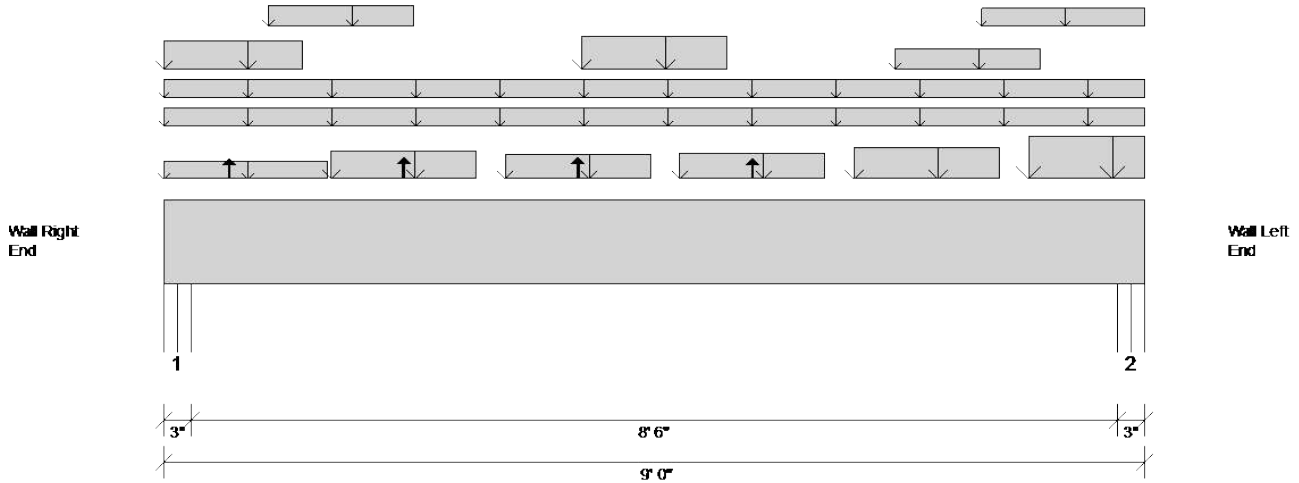
Wall: E10 | Label: E10_MHd4-2 | Design Tag: i1240

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

Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 9'0"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2639 lb @ 8' 10 1/2"	7875 lb (3")	Passed - 34%	-	1.0 D + 1.0 L - (0)
Shear	1715 lb @ 7' 11 3/4"	6151 lb	Passed - 28%	1.00	1.0 D + 1.0 L - (0)
Moment	4779 lb-ft @ 4' 7 1/4"	11204 lb-ft	Passed - 43%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.08" @ 4' 6 3/8"	0.29" L/360	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.16" @ 4' 6 7/16"	0.44" L/240	Passed - L/662	-	1.0 D + 1.0 L - (0)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced along member length at 9-00-00 o/c based on loads applied, unless detailed otherwise.

* Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 9-00-00 o/c based on loads applied, unless detailed otherwise.

* Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Maximum Loads to Supports

Support	Start : End	Req'd Br'g	Source	Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 3"	1.5"	Trimmer	1001 lb	1140 lb	-	240 lb	-
2	8' 9" : 9' 0"	1.5"	Trimmer	1364 lb	1264 lb	-	256 lb	-

Loads:

Maximum Loads on Member

Type	Start : End (Side)	Combine	Source	Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 9' 0"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	0" : 9' 0" (Top)	-	STCa2(i1058)	65 lb/ft	-	-	-	-
Uniform	0" : 9' 0" (Top)	-	User Load	31 lb/ft	31 lb/ft	-	-	-
Uniform	0" : 1' 6" (Top)	-	STCa2(i1058)	20 lb/ft	-	-	40 lb/ft	-
Uniform	0" : 1' 3 3/16" (Top)	-	Smoothed Load	83 lb/ft	282 lb/ft	-	-	-
Uniform	11 1/2" : 2' 3 1/2" (Top)	-	Smoothed Load	61 lb/ft	-	-	90 lb/ft	-
Uniform	1' 6 3/8" : 2' 10 3/8" (Top)	-	Smoothed Load	76 lb/ft	282 lb/ft	-	-	-
Uniform	3' 1 5/8" : 4' 5 5/8" (Top)	-	Smoothed Load	46 lb/ft	203 lb/ft	-	-	-
Uniform	3' 10" : 5' 2" (Top)	-	Smoothed Load	174 lb/ft	164 lb/ft	-	140 lb/ft	-
Uniform	4' 8 13/16" : 6' 0 13/16" (Top)	-	Smoothed Load	59 lb/ft	221 lb/ft	-	-	-
Uniform	6' 4" : 7' 8" (Top)	-	Smoothed Load	128 lb/ft	326 lb/ft	-	-	-
Uniform	6' 8 1/2" : 8' 0 1/2" (Top)	-	Smoothed Load	61 lb/ft	-	-	90 lb/ft	-
Uniform	7' 6" : 9' 0" (Top)	-	STCa2(i1058)	20 lb/ft	-	-	40 lb/ft	-
Uniform	7' 11 3/16" : 9' 0" (Top)	-	Smoothed Load	418 lb/ft	326 lb/ft	-	-	-
Point	7 3/16" (Top)	-	G34'(i1098)	-	-39 lb	-	-11 lb	-
Point	2' 2 3/8" (Top)	-	G34'(i1097)	-	-51 lb	-	-14 lb	-

Member Report

Wall: E10 | Label: E10_MHd4-2 | Design Tag: i1240

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

Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

Point	3' 9 5/8" (Top)	-	G34'(i1189)	-	-51 lb	-	-14 lb	-
Point	5' 4 13/16" (Top)	-	G34'(i1229)	-	-37 lb	-	-12 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, Wind - 1.60

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Member Report

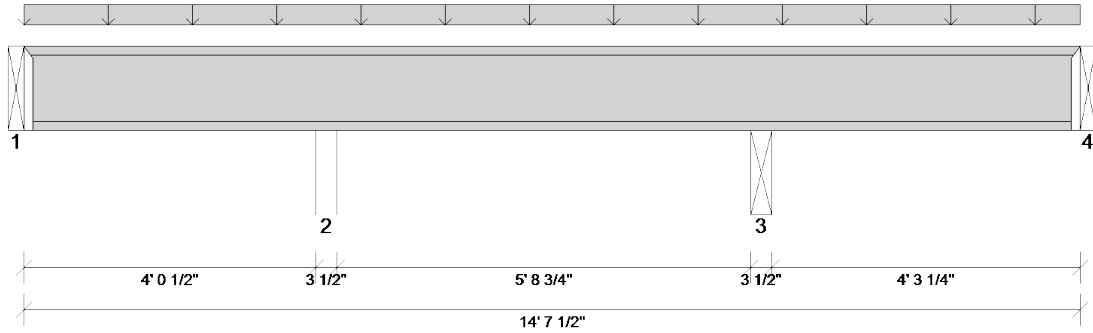
Floor Container: FC4 | Label: G16' | Design Tag: i1228

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 14' 7 1/2"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	489 lb @ 10' 2 1/2"	2145 lb (3.5")	Passed - 23%	1.00	1.0 D + 1.0 L - (0)
Shear	233 lb @ 10' 0 3/4"	1945 lb	Passed - 12%	1.00	1.0 D + 1.0 L - (0)
Moment	-247 lb-ft @ 10' 2 1/2"	4490 lb-ft	Passed - 5%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.01" @ 7' 2 7/16"	0.15" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.01" @ 7' 2 7/16"	0.30" L/240	Passed - L/999	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	71	30	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 along member length at 8-08-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 8-08-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Additional considerations for TJ-Pro™ Rating include ceiling.
- * 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	Wind
1	0" : 0"	1.75"	M4-2(i1249)	28 lb	138 / -32 lb	-	-	-
2	4' 0 1/2" : 4' 4"	3.5"	E12(i5)	92 lb	388 lb	-	-	-
3	10' 0 3/4" : 10' 4 1/4"	3.5"	M8-2(i1261)	94 lb	394 lb	-	-	-
4	14' 7 1/2" : -	1.75"	M3-2(i1266)	30 lb	143 / -29 lb	-	-	-

Loads:

Maximum Loads on Member

Type	Start : End (Side)	Combine	Source	Dead	Floor Live	Roof Live	Snow	Wind
Uniform	-0' : 14' 7 1/2" (Top)	-	FC4 Floor Decking	16 To 16 lb/ft	64 To 64 lb/ft	-	-	-

Connector Information:

Nailing Requirements

Support	Manufacturer	Model	Top	Face	Member	Min. Seat Length	Other Information
1	SST	IUS2.06/14	Not Applicable	12- 10dx1.5	2- Strong-Grip	1.75"	Minimum seat length reported is based on the design load
4	SST	IUS2.06/14	Not Applicable	12- 10dx1.5	2- Strong-Grip	1.75"	Minimum seat length reported is based on the design load



Member Report

Floor Container: FC4 | Label: G16' | Design Tag: i1228

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

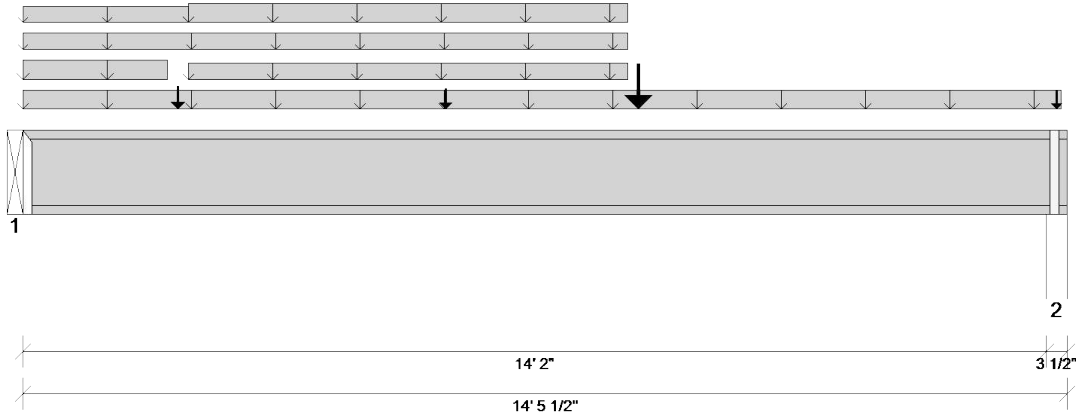
Floor Container: FC4 | Label: G16'-2 | Design Tag: i1224

2 piece(s) of 14" TJI® 210 joist

Member Type: Joist As Flush Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 14' 5 1/2"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDf	Load Combination - (Load Group)
Critical Reaction	1252 lb @ 0"	2010 lb (1.75")	Passed - 62%	1.00	1.0 D + 1.0 L - (0)
Shear	1252 lb @ 0"	3890 lb	Passed - 32%	1.00	1.0 D + 1.0 L - (0)
Moment	4494 lb-ft @ 7' 0 3/8"	8980 lb-ft	Passed - 50%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.08" @ 7' 1 13/16"	0.36" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.21" @ 7' 0 11/16"	0.71" L/240	Passed - L/822	-	1.0 D + 1.0 L - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 5-05-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 14-06-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Member design (strength) is based on loads shown in loading section. TJI-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 0"	1.75"	M2-4(i1219)	735 lb	495 lb	-	-	-
2	14' 2" : 14' 5 1/2"	1.75"	E23(i23)	488 lb	448 lb	-	-	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 14' 4 7/16" (Top)	-	FC4 Floor Decking	16 lb/ft	48 lb/ft	-	-	-
Uniform	0" : 8' 4 1/2" (Top)	-	FC4 Floor Decking	-	16 lb/ft	-	-	-
Uniform	0" : 2' 3 1/2" (Top)	-	FC4 Floor Decking	7 lb/ft	-	-	-	-
Uniform	-0" : 2' 0" (Top)	-	NB28(i362)	65 lb/ft	-	-	-	-
Uniform	2' 3 1/2" : 8' 4 1/2" (Top)	-	NB27(i365)	65 lb/ft	-	-	-	-
Uniform	2' 3 1/2" : 8' 4 1/2" (Top)	-	FC4 Floor Decking	16 lb/ft	-	-	-	-
Point	2' 1 3/4" (Back)	-	NB22(i359)	70 lb	-	-	-	-
Point	5' 10 1/4" (Back)	-	NB26(i364)	48 lb	-	-	-	-
Point	8' 6 1/4" (Top)	-	B50(i78)	209 lb	101 lb	-	-	-
Point	14' 3 3/4" (Top)	-	B20(i51)	22 lb	-	-	-	-

Connector Information:

Nailing Requirements



Member Report

Floor Container: FC4 | Label: G16'-2 | Design Tag: i1224

2 piece(s) of 14" TJI® 210 joist

Member Type: Joist As Flush Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

Support	Manufacturer	Model	Top	Face	Member	Min. Seat Length	Other Information
1	SST	MIU4.28/14	Not Applicable	22- 10dx1.5	2- 10dx1.5	1.75"	Minimum seat length reported is based on the design load

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.
- * Side loads are assumed to not induce cross-grain tension.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

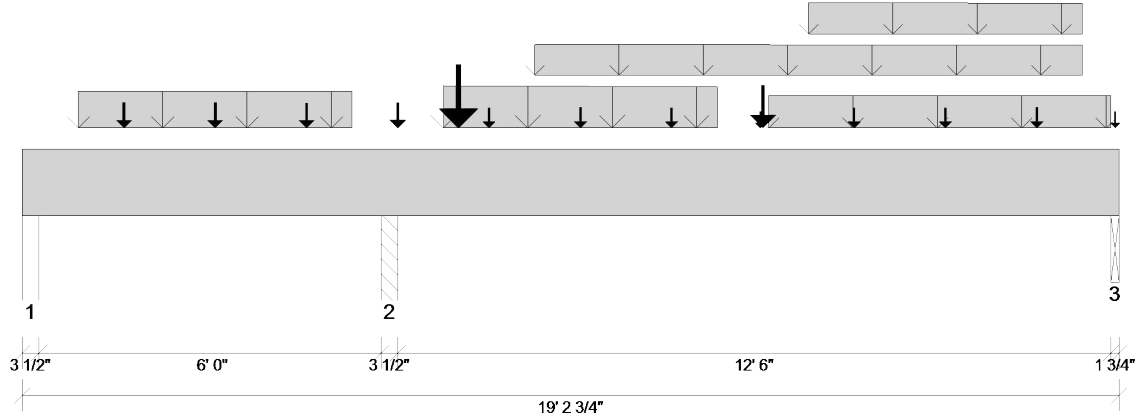
Label: M2-4 | Design Tag: i1219

4 piece(s) of 1 3/4" x 14" 2.0E Microllam® LVL

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 19' 2 3/4"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	7760 lb @ 19' 2 1/2"	9188 lb (1.75")	Passed - 84%	-	1.0 D + 1.0 L - (0)
Shear	9406 lb @ 7' 9"	18620 lb	Passed - 51%	1.00	1.0 D + 1.0 L - (0)
Moment	26711 lb-ft @ 12' 11 13/16"	48517 lb-ft	Passed - 55%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.14" @ 12' 11 13/16"	0.43" L/360	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.27" @ 12' 11 13/16"	0.64" L/240	Passed - L/573	-	1.0 D + 1.0 L - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 19-03-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 19-03-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Upward deflection of removed support at 2-00 exceeds 00-00-02.
- * Uplift constraint has been released at support location 2-00.
- * Member should be side-loaded from both sides of the member or braced to prevent rotation.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 3 1/2"	1.5"	E21(i21)	-	1153 lb	-	-60 lb	-
2	6' 3 1/2" : 6' 7"	2.9"	PBO17(i673)	7312 lb	7876 lb	-	2514 lb	-
3	19' 1" : 19' 2 3/4"	1.5"	M1-2(i1179)	3761 lb	4002 / -66 lb	-	908 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 19' 2 3/4"	-	Self Weight	27 lb/ft	-	-	-	-
Uniform	11 13/16" : 5' 9 3/8" (-)	-	Smoothed Load	128 lb/ft	312 lb/ft	-	-	-
Uniform	13' 1" : 19' 1" (Top)	-	B55(i83)	184 lb/ft	69 lb/ft	-	100 lb/ft	-
Tapered	7' 4 5/8" : 12' 2 3/16" (-)	-	Smoothed Load	200 To 179 lb/ft	357 To 355 lb/ft	-	-	-
Tapered	8' 11 13/16" : 18' 7" (-)	-	Smoothed Load	-	312 To 307 lb/ft	-	-	-
Tapered	13' 9 3/8" : 18' 7" (-)	-	Smoothed Load	-	325 To 315 lb/ft	-	-	-
Point	1' 9 3/8" (Back)	-	G12'(i1125)	268 lb	385 lb	-	124 lb	-
Point	3' 4 5/8" (Back)	-	G12'(i1126)	268 lb	385 lb	-	124 lb	-
Point	4' 11 13/16" (Back)	-	G12'(i1127)	252 lb	361 lb	-	116 lb	-
Point	6' 7" (Back)	-	G18'(i1175)	368 lb	424 lb	-	-	-
Point	6' 7" (Front)	-	G16'(i1226)	168 lb	414 lb	-	-	-
Point	7' 7 3/4" (Front)	-	G16'-2(i1176)	1823 lb	253 lb	-	1794 lb	-

Member Report

Label: M2-4 | Design Tag: i1219

4 piece(s) of 1 3/4" x 14" 2.0E Microllam® LVL

Member Type: Beam | Level: 2nd Floor

Design Passed
Product is Sufficient for Application and Loads Described

Point	8' 2 3/16" (Front)	-	G16'(i1036)	-	333 lb	-	-	-
Point	8' 2 3/16" (Back)	-	G18'(i1112)	298 lb	-	-	-	-
Point	9' 9 3/8" (Front)	-	G16'(i1197)	380 lb	-	-	-	-
Point	11' 4 5/8" (Front)	-	G16'(i1212)	347 lb	-	-	-	-
Point	12' 11 1/4" (Top)	-	NB28(i362)	38 lb	-	-	-	-
Point	12' 11 13/16" (Back)	-	G18'-2'(i1164)	1002 lb	553 lb	-	606 lb	-
Point	12' 11 13/16" (Front)	-	G16'-2'(i1224)	735 lb	-	-	-	-
Point	14' 7" (Front)	-	G16'(i1214)	346 lb	-	-	-	-
Point	14' 7" (Back)	-	G18'(i1165)	243 lb	-	-	-	-
Point	16' 2 3/16" (Front)	-	G16'(i1225)	350 lb	-	-	-	-
Point	16' 2 3/16" (Back)	-	G18'(i1117)	300 lb	-	-	-	-
Point	17' 9 3/8" (Front)	-	G16'(i1040)	396 lb	-	-	-	-
Point	17' 9 3/8" (Back)	-	G18'(i1201)	317 lb	-	-	-	-
Point	19' 1 7/8" (Top)	-	B22(i48)	31 lb	14 lb	-	15 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.
- * Side loads are assumed to not induce cross-grain tension.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

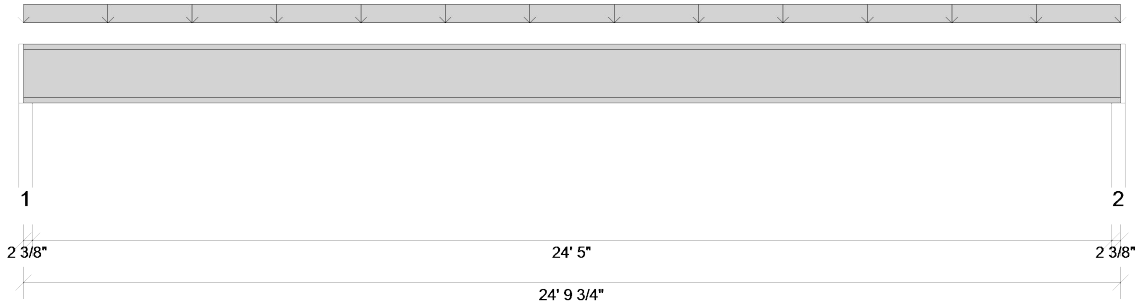
Floor Container: FC4 | Label: H26' | Design Tag: i1213

1 piece(s) of 16" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

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	662 lb @ 1 3/8"	1164 lb (2.37")	Passed - 57%	1.00	1.0 D + 1.0 L - (0)
Shear	651 lb @ 2 3/8"	2190 lb	Passed - 30%	1.00	1.0 D + 1.0 L - (0)
Moment	4029 lb-ft @ 12' 4 7/8"	5140 lb-ft	Passed - 78%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.47" @ 12' 4 7/8"	0.61" L/480	Passed - L/624	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.63" @ 12' 4 7/8"	1.23" L/240	Passed - L/468	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	31	30	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 along member length at 4-03-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 24-10-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Additional considerations for TJ-Pro™ Rating include ceiling.
- * 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 1-04-00 o.c. spacing.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 2 3/8"	1.75"	E3(i3)	167 lb	500 lb	-	-	-
2	24' 7 3/8" : 24' 9 3/4"	1.75"	E5(i2)	167 lb	500 lb	-	-	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 24' 9 3/4" (Top)	-	FC4 Floor Decking	13 lb/ft	40 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.



Member Report

Floor Container: FC4 | Label: H26' | Design Tag: i1213

1 piece(s) of 16" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

* 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, Wind - 1.60

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Member Report

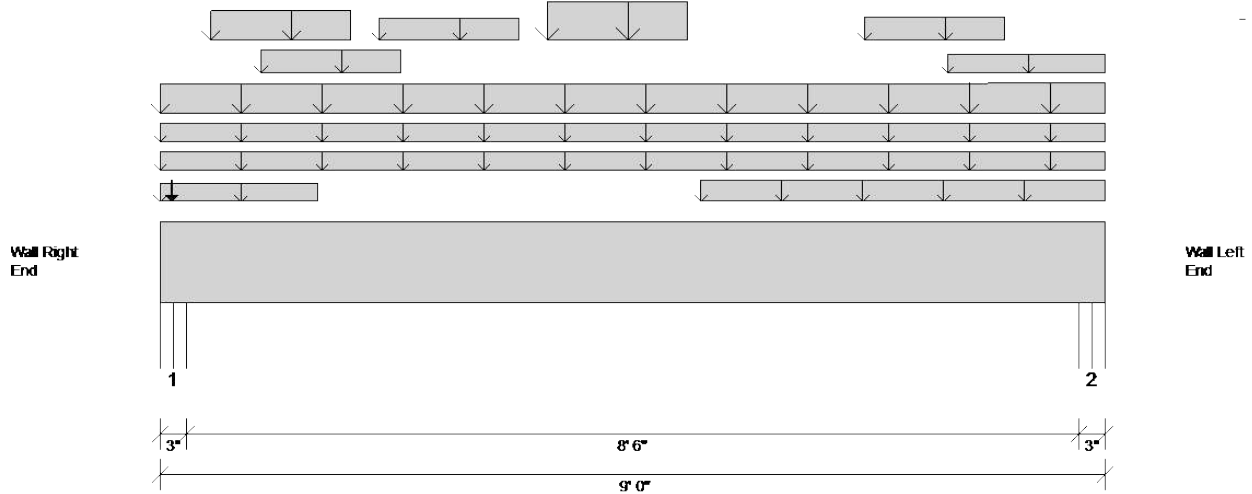
Wall: E14 | Label: E14_MHd4-2 | Design Tag: i1210

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

Member Type: HeaderAsDroppedBeam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 9' 0"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDf	Load Combination - (Load Group)
Critical Reaction	2791 lb @ 1 1/2"	7875 lb (3")	Passed - 35%	-	1.0 D + 1.0 L - (0)
Shear	2137 lb @ 1' 0 1/4"	6151 lb	Passed - 35%	1.00	1.0 D + 1.0 L - (0)
Moment	5781 lb-ft @ 4' 5 1/2"	11204 lb-ft	Passed - 52%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.10" @ 4' 6 1/16"	0.29" L/360	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.19" @ 4' 5 7/8"	0.44" L/240	Passed - L/546	-	1.0 D + 1.0 L - (0)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced along member length at 9-00-00 o/c based on loads applied, unless detailed otherwise.

* Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 9-00-00 o/c based on loads applied, unless detailed otherwise.

* Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 3"	1.5"	Trimmer	1403 lb	1384 lb	-	291 lb	-
2	8' 9" : 9' 0"	1.5"	Trimmer	1252 lb	1418 lb	-	287 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 9' 0"	-	Self Weight	9 lb/ft	-	-	-	-
Uniform	0" : 9' 0" (Top)	-	STCa2(i1168)	65 lb/ft	-	-	-	-
Uniform	0" : 9' 0" (Top)	-	User Load	31 lb/ft	31 lb/ft	-	-	-
Uniform	0" : 1' 6" (Top)	-	STCa2(i1168)	20 lb/ft	-	-	40 lb/ft	-
Uniform	5 13/16" : 1' 9 13/16" (Top)	-	Smoothed Load	280 lb/ft	-	-	-	-
Uniform	11 1/2" : 2' 3 1/2" (Top)	-	Smoothed Load	61 lb/ft	-	-	90 lb/ft	-
Uniform	2' 1" : 3' 5" (Top)	-	Smoothed Load	134 lb/ft	-	-	-	-
Uniform	3' 8 3/16" : 5' 0 3/16" (Top)	-	Smoothed Load	297 lb/ft	-	-	164 lb/ft	-
Uniform	6' 8 1/2" : 8' 0 1/2" (Top)	-	Smoothed Load	61 lb/ft	-	-	90 lb/ft	-
Uniform	7' 6" : 9' 0" (Top)	-	STCa2(i1168)	20 lb/ft	-	-	40 lb/ft	-
Tapered	0" : 9' 0" (-)	-	Smoothed Load	-	269 To 291 lb/ft	-	-	-
Tapered	5' 1 13/16" : 9' 0" (-)	-	Smoothed Load	123 To 124 lb/ft	-	-	-	-
Point	1 5/16" (Top)	-	Smoothed Load	63 lb	-	-	-	-



Design Passed

Member Report

Wall: E14 | Label: E14_MHd4-2 | Design Tag: i1210

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

Member Type: HeaderAsDroppedBeam | Level: 2nd 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, Wind - 1.60

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Member Report

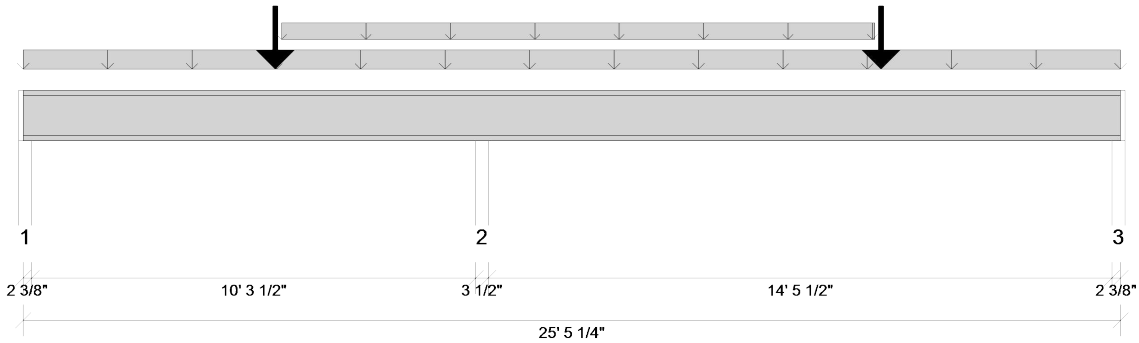
Floor Container: FC4 | Label: G26' | Design Tag: i1199

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 25' 5 1/4"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1793 lb @ 10' 7 5/8"	2145 lb (3.5")	Passed - 84%	1.00	1.0 D + 1.0 L - (0)
Shear	860 lb @ 10' 9 3/8"	1945 lb	Passed - 44%	1.00	1.0 D + 1.0 L - (0)
Moment	-2584 lb-ft @ 10' 7 5/8"	4490 lb-ft	Passed - 58%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.11" @ 18' 6"	0.37" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.18" @ 18' 9 7/16"	0.73" L/240	Passed - L/969	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	57	30	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 along member length at 4-11-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 5-00-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Additional considerations for TJ-Pro™ Rating include ceiling.
- * 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	Wind
1	0" : 2 3/8"	1.75"	E8(i1)	136 lb	292 / -104 lb	-	70 lb	-
2	10' 5 7/8" : 10' 9 3/8"	3.5"	B5(i32)	678 lb	1113 lb	-	286 lb	-
3	25' 2 7/8" : 25' 5 1/4"	1.75"	E6(i16)	256 lb	406 / -28 lb	-	114 lb	-

Loads:

Maximum Loads on Member

Type	Start : End (Side)	Combine	Source	Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 25' 5 1/4" (Top)	-	FC4 Floor Decking	16 lb/ft	48 lb/ft	-	-	-
Uniform	5' 11 7/8" : 19' 8 7/8" (Top)	-	FC4 Floor Decking	-	16 lb/ft	-	-	-
Point	5' 10 1/8" (Top)	-	B28(i62)	330 lb	114 lb	-	224 lb	-
Point	19' 10 5/8" (Top)	-	B26(i54)	330 lb	114 lb	-	224 lb	-



Member Report

Floor Container: FC4 | Label: G26' | Design Tag: i1199

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

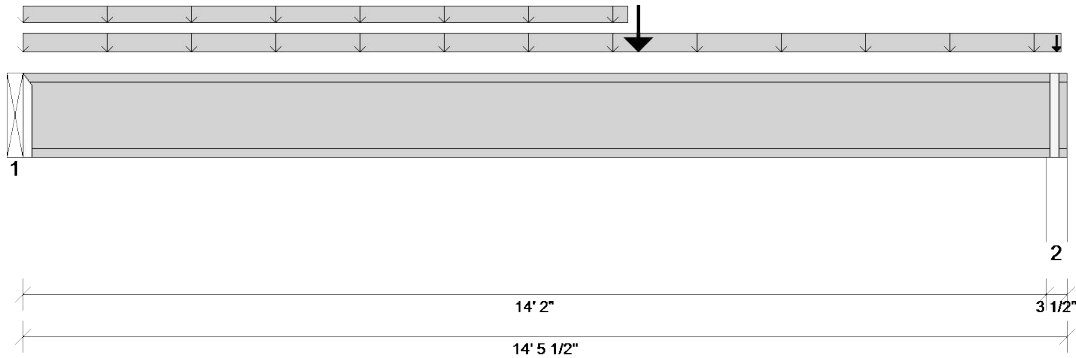
Floor Container: FC4 | Label: G16' | Design Tag: i1185

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 14' 5 1/2"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	682 lb @ 0"	1005 lb (1.75")	Passed - 68%	1.00	1.0 D + 1.0 L - (0)
Shear	686 lb @ 14' 2"	1945 lb	Passed - 35%	1.00	1.0 D + 1.0 L - (0)
Moment	2910 lb-ft @ 8' 6 1/4"	4490 lb-ft	Passed - 65%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.14" @ 7' 1 11/16"	0.36" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.22" @ 7' 2 9/16"	0.71" L/240	Passed - L/780	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	55	30	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 along member length at 4-08-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 14-06-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Additional considerations for TJ-Pro™ Rating include ceiling.
- * 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:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 0"	1.75"	M2-4(i1219)	205 lb	500 lb	-	-	-
2	14' 2" : 14' 5 1/2"	1.75"	E23(i23)	256 lb	455 lb	-	-	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 14' 4 7/16" (Top)	-	FC4 Floor Decking	16 lb/ft	48 lb/ft	-	-	-
Uniform	0" : 8' 4 1/2" (Top)	-	FC4 Floor Decking	-	16 lb/ft	-	-	-
Point	8' 6 1/4" (Top)	-	B50(i78)	215 lb	112 lb	-	-	-
Point	14' 3 3/4" (Top)	-	B20(i51)	11 lb	-	-	-	-

Connector Information:

Support	Manufacturer	Model	Nailing Requirements				Min. Seat Length	Other Information
			Top	Face	Member			
1	SST	IUS2.06/14	Not Applicable	12- 10dx1.5	2- Strong-Grip	1.75"	Minimum seat length reported is based on the design load	

File Name: 26139

LOT 5 LEAFLET CHURCH ROAD

REVISION DATE

REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19

Data: V8.1.6.3

12/23/2024 10:46:29 AM

Page 1 of 2



Member Report

Floor Container: FC4 | Label: G16' | Design Tag: i1185

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

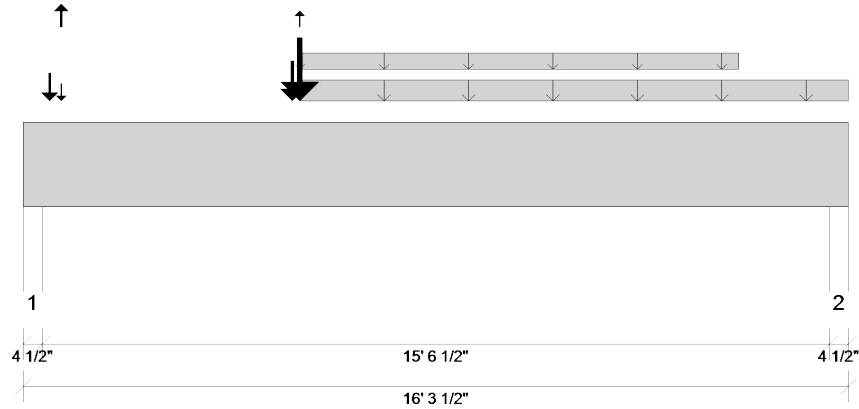
Label: M1-2 | Design Tag: i1179

2 piece(s) of 1 3/4" x 20" 2.0E Microllam® LVL

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 16' 3 1/2"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	10124 lb @ 3"	11813 lb (4.5")	Passed - 86%	-	1.0 D + 0.75 L + 0.75 S - (1)
Shear	8311 lb @ 2' 0 1/2"	13300 lb	Passed - 62%	1.00	1.0 D + 1.0 L - (1)
Moment	42253 lb-ft @ 5' 5 1/2"	47163 lb-ft	Passed - 90%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.18" @ 7' 5 13/16"	0.53" L/360	Passed - L/999	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.38" @ 7' 6 7/16"	0.79" L/240	Passed - L/492	-	1.0 D + 1.0 L - (1)

Design Notes:

* Top Edge Bracing (Lu): Top compression edge must be braced along member length at 3-07-00 o/c based on loads applied, unless detailed otherwise.

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

* Allowed moment does not reflect the adjustment for the beam stability factor.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 4 1/2"	3.86"	B1(i28)	5144 lb	4609 lb	-	1972 lb	-
2	15' 11" : 16' 3 1/2"	1.79"	B62(i109)	2663 lb	2064 lb	-	585 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Self Weight	0" : 16' 3 1/2"	-	Self Weight	19 lb/ft	-	-	-	-
Uniform	5' 5 1/2" : 16' 3 1/2" (Front)	-	STCa2(i1198)	77 lb/ft	24 lb/ft	-	-	-
Uniform	5' 5 1/2" : 14' 1 1/2" (Front)	-	STCa2(i1198)	5 lb/ft	5 lb/ft	-	-	-
Point	6 1/4" (Back)	-	BBO1(i397)	990 lb	373 lb	-	827 lb	-
Point	9" (Front)	-	G16'(i1038)	56 lb	149 lb	-	-	-
Point	9" (Front)	-	M8-2(i1261)	-208 lb	258 / -1105 lb	-	-	-
Point	5' 3 3/4" (Front)	-	M3-2(i1266)	2012 lb	1586 lb	-	822 lb	-
Point	5' 5 1/2" (Back)	-	M2-4(i1219)	3761 lb	4002 / -66 lb	-	908 lb	-

Errors, Warnings, & Notes:

* CAUTION: This member is within a floor container, but is not in contact with the floor sheathing. It has not been assigned with directly applied floor loads.

File Name: 26139

LOT 5 LEAFLET CHURCH ROAD

REVISION DATE

REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19

Data: V8.1.6.3

12/23/2024 10:46:29 AM

Page 1 of 2



Member Report

Label: M1-2 | Design Tag: i1179

2 piece(s) of 1 3/4" x 20" 2.0E Microllam® LVL

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described

- * 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.
- * Side loads are assumed to not induce cross-grain tension.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

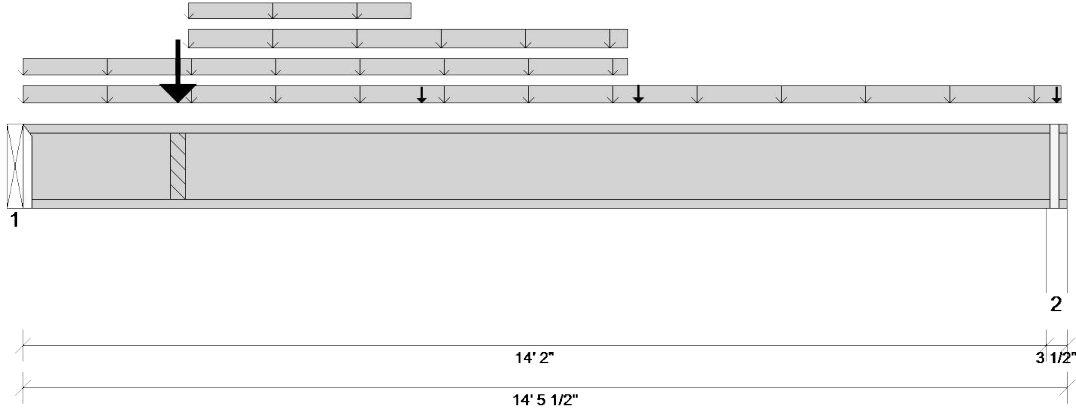
Floor Container: FC4 | Label: G16'-2 | Design Tag: i1176

2 piece(s) of 14" TJI® 210 joist

Member Type: Joist As Flush Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 14' 5 1/2"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	3702 lb @ 0"	3702 lb (2.71")	Passed - 100%	1.15	1.0 D + 1.0 S - (0)
Shear	3702 lb @ 0"	4474 lb	Passed - 83%	1.15	1.0 D + 1.0 S - (0)
Moment	7912 lb-ft @ 2' 1 3/4"	10327 lb-ft	Passed - 77%	1.15	1.0 D + 1.0 S - (0)
Live Load Deflection	0.13" @ 5' 6 1/4"	0.36" L/480	Passed - L/999	-	1.0 D + 1.0 S - (0)
Total Load Deflection	0.31" @ 6' 4 3/4"	0.71" L/240	Passed - L/551	-	1.0 D + 1.0 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 4-00-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 14-06-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Member design (strength) is based on loads shown in loading section. TJI-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 0"	2.71"	M2-4(i1219)	1823 lb	253 lb	-	1794 lb	-
2	14' 2" : 14' 5 1/2"	1.75"	E23(i23)	586 lb	231 lb	-	344 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 14' 4 7/16" (Top)	-	FC4 Floor Decking	8 lb/ft	24 lb/ft	-	-	-
Uniform	0" : 8' 4 1/2" (Top)	-	FC4 Floor Decking	-	8 lb/ft	-	-	-
Uniform	2' 3 1/2" : 8' 4 1/2" (Top)	-	NB23(i360)	65 lb/ft	-	-	-	-
Uniform	2' 3 1/2" : 5' 4 1/2" (Top)	-	FC4 Floor Decking	1 lb/ft	-	-	-	-
Point	2' 1 3/4" (Top)	-	PBO16(i381)	1729 lb	-	-	2138 lb	-
Point	2' 1 3/4" (Back)	-	NB22(i359)	11 lb	-	-	-	-
Point	5' 6 1/4" (Back)	-	NB25(i361)	11 lb	-	-	-	-
Point	8' 6 1/4" (Top)	-	B50(i78)	120 lb	62 lb	-	-	-
Point	14' 3 3/4" (Top)	-	B20(i51)	22 lb	-	-	-	-

Connector Information:

Nailing Requirements

Support	Manufacturer	Model	Top	Face	Member	Min. Seat Length	Other Information
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File Name: 26139
 LOT 5 LEAFLET CHURCH ROAD
 REVISION DATE
 REVISION COMMENTS

Javelin® Software 6.7.0.354
 Design Engine: V8.4.2.19
 Data: V8.1.6.3
 12/23/2024 10:46:29 AM
 Page 1 of 2

Member Report

Floor Container: FC4 | Label: G16'-2 | Design Tag: i1176

2 piece(s) of 14" TJI® 210 joist

Member Type: Joist As Flush Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

1	Not Specified	MIU4.28/14	Not Applicable	Not Applicable	Not Applicable	2.71"	Backer Block(s): Not Required Filler: Not Required Minimum seat length reported is based on the design load User Defined Hanger - Not Designed Web Stiffeners: Not Required
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Reinforcing Accessories:

<u>Support / Location</u>	<u>Accessory Product(s)</u>
2' 1 3/4"	(4) 3/4" x 2 5/16" Web Stiffeners

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.
- * Side loads are assumed to not induce cross-grain tension.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

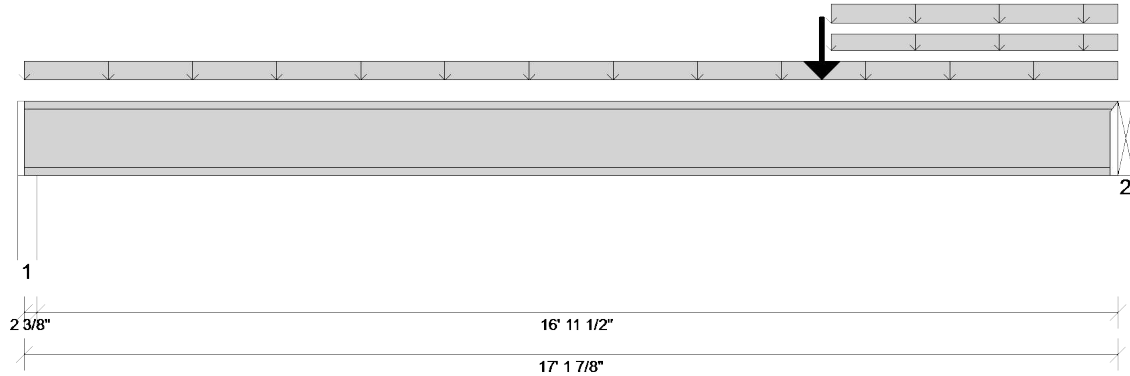
Floor Container: FC4 | Label: G18'-2 | Design Tag: i1164

2 piece(s) of 14" TJI® 210 joist

Member Type: Joist As Flush Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 17' 1 7/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1895 lb @ 17' 1 7/8"	2312 lb (1.75")	Passed - 82%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1895 lb @ 17' 1 7/8"	4474 lb	Passed - 42%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	7349 lb-ft @ 12' 6 1/8"	10327 lb-ft	Passed - 71%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.20" @ 9' 1 7/8"	0.43" L/480	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.41" @ 9' 3"	0.85" L/240	Passed - L/498	-	1.0 D + 0.75 L + 0.75 S - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 4-02-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 17-02-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * 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:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 2 3/8"	1.75"	E14(i7)	396 lb	451 lb	-	218 lb	-
2	17' 1 7/8" : -	1.75"	M2-4(i1219)	1002 lb	553 lb	-	606 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 17' 1 7/8" (Top)	-	FC4 Floor Decking	16 lb/ft	48 lb/ft	-	-	-
Uniform	12' 7 7/8" : 17' 1 7/8" (Top)	-	NB28(i362)	65 lb/ft	-	-	-	-
Uniform	12' 7 7/8" : 17' 1 7/8" (Top)	-	FC4 Floor Decking	-	16 lb/ft	-	-	-
Point	12' 6 1/8" (Top)	-	B37(i65)	826 lb	85 lb	-	824 lb	-

Connector Information:

Support	Manufacturer	Model	Nailing Requirements			Min. Seat Length	Other Information
			Top	Face	Member		
2	SST	MIU4.28/14	Not Applicable	22- 10dx1.5	2- 10dx1.5	1.75"	Minimum seat length reported is based on the design load

Errors, Warnings, & Notes:



Member Report

Floor Container: FC4 | Label: G18'-2 | Design Tag: i1164

2 piece(s) of 14" TJI® 210 joist

Member Type: Joist As Flush Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

* 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.

* Side loads are assumed to not induce cross-grain tension.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

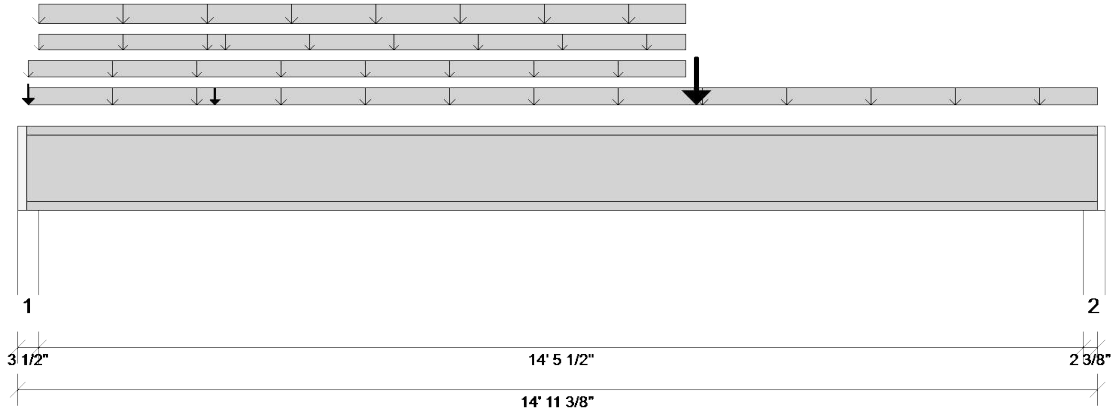
Floor Container: FC4 | Label: G16' | Design Tag: i1162

1 piece(s) of 14" TJI® 210 joist

Member Type: Joist As Flush Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 14' 11 3/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	884 lb @ 2"	1460 lb (3.5")	Passed - 61%	1.00	1.0 D + 1.0 L - (0)
Shear	835 lb @ 3 1/2"	1945 lb	Passed - 43%	1.00	1.0 D + 1.0 L - (0)
Moment	3121 lb-ft @ 7' 5 7/8"	4490 lb-ft	Passed - 70%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.10" @ 7' 6 5/8"	0.37" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.31" @ 7' 5 3/8"	0.74" L/240	Passed - L/578	-	1.0 D + 1.0 L - (0)

Design Notes:

- * Top Edge Bracing (Lu): Top compression edge must be braced along member length at 4-06-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 14-11-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Member design (strength) is based on loads shown in loading section. TJI-Pro™ Rating, if shown, is based on 1-07-03 o.c. spacing.

Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 3 1/2"	1.75"	B5(i32)	599 lb	260 lb	-	59 lb	-
2	14' 9" : 14' 11 3/8"	1.75"	E6(i16)	371 lb	240 lb	-	70 lb	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Uniform	1 3/4" : 14' 11 3/8" (Top)	-	FC4 Floor Decking	8 lb/ft	24 lb/ft	-	-	-
Uniform	1 3/4" : 9' 3" (Top)	-	FC4 Floor Decking	-	8 lb/ft	-	-	-
Uniform	3 1/2" : 9' 3" (Top)	-	NB35(i370)	65 lb/ft	-	-	-	-
Uniform	3 1/2" : 2' 10 1/2" (Top)	-	FC4 Floor Decking	3 lb/ft	-	-	-	-
Uniform	2' 10 1/2" : 9' 3" (Top)	-	FC4 Floor Decking	8 lb/ft	-	-	-	-
Point	1 3/4" (Top)	-	B24(i52)	31 lb	11 lb	-	17 lb	-
Point	2' 8 3/4" (Top)	-	FC4 Floor Decking	12 lb	-	-	-	-
Point	9' 4 3/4" (Top)	-	B26(i54)	167 lb	59 lb	-	112 lb	-

Errors, Warnings, & Notes:

File Name: 26139
LOT 5 LEAFLET CHURCH ROAD
REVISION DATE
REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19
Data: V8.1.6.3
12/23/2024 10:46:29 AM
Page 1 of 2



Member Report

Floor Container: FC4 | Label: G16' | Design Tag: i1162

1 piece(s) of 14" TJI® 210 joist

Member Type: Joist As Flush Beam | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

* 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.

* Side loads are assumed to not induce cross-grain tension.

* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

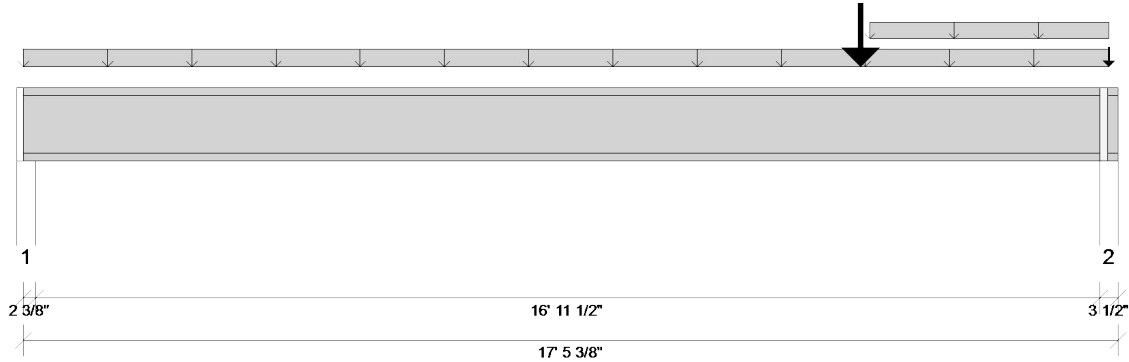
Floor Container: FC4 | Label: G18'-2 | Design Tag: i1154

2 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 17' 5 3/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1387 lb @ 17' 2 7/8"	3358 lb (3.5")	Passed - 41%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1277 lb @ 17' 1 7/8"	4474 lb	Passed - 29%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	4823 lb-ft @ 13' 4 1/8"	10327 lb-ft	Passed - 47%	1.15	1.0 D + 1.0 S - (0)
Live Load Deflection	0.12" @ 9' 4 9/16"	0.43" L/480	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.23" @ 9' 5 1/2"	0.86" L/240	Passed - L/913	-	1.0 D + 0.75 L + 0.75 S - (0)
TJ Pro Rating	59	30	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 along member length at 5-02-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 17-05-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Additional considerations for TJ-Pro™ Rating include ceiling.
- * 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	Wind
1	0" : 2 3/8"	1.75"	E10(i14)	232 lb	219 lb	-	187 lb	-
2	17' 1 7/8" : 17' 5 3/8"	1.75"	B5(i32)	680 lb	272 lb	-	671 lb	-

Loads:

Maximum Loads on Member

Type	Start : End (Side)	Combine	Source	Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 17' 3 5/8" (Top)	-	FC4 Floor Decking	8 lb/ft	24 lb/ft	-	-	-
Uniform	13' 5 7/8" : 17' 3 5/8" (Top)	-	FC4 Floor Decking	-	8 lb/ft	-	-	-
Point	13' 4 1/8" (Top)	-	B44(i71)	710 lb	19 lb	-	824 lb	-
Point	17' 3 5/8" (Top)	-	B24(i52)	63 lb	23 lb	-	35 lb	-

Errors, Warnings, & Notes:

File Name: 26139
LOT 5 LEAFLET CHURCH ROAD
REVISION DATE
REVISION COMMENTS

Javelin® Software 6.7.0.354

Design Engine: V8.4.2.19
Data: V8.1.6.3
12/23/2024 10:46:29 AM
Page 1 of 2



Member Report

Floor Container: FC4 | Label: G18'-2 | Design Tag: i1154

2 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

- * 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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

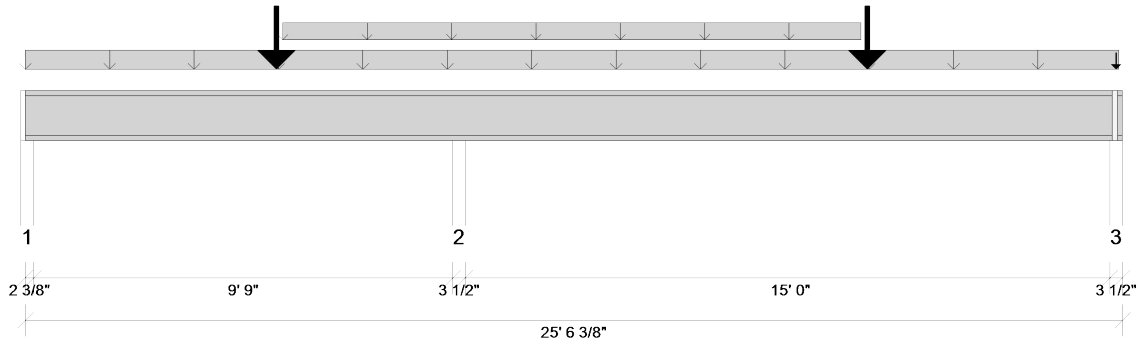
Floor Container: FC4 | Label: G26' | Design Tag: i1122

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 25' 6 3/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1822 lb @ 10' 1 1/8"	2145 lb (3.5")	Passed - 85%	1.00	1.0 D + 1.0 L - (0)
Shear	879 lb @ 10' 2 7/8"	1945 lb	Passed - 45%	1.00	1.0 D + 1.0 L - (0)
Moment	2709 lb-ft @ 19' 7 1/8"	4490 lb-ft	Passed - 60%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.13" @ 18' 3 3/16"	0.38" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.20" @ 18' 6 5/16"	0.76" L/240	Passed - L/902	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	56	30	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 along member length at 4-10-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 4-11-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Additional considerations for TJ-Pro™ Rating include ceiling.
- * 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	Wind
1	0" : 2 3/8"	1.75"	E16(i12)	113 lb	276 / -121 lb	-	62 lb	-
2	9' 11 3/8" : 10' 2 7/8"	3.5"	E19(i19)	694 lb	1126 lb	-	297 lb	-
3	25' 2 7/8" : 25' 6 3/8"	1.75"	E23(i23)	267 lb	409 / -23 lb	-	112 lb	-

Loads:

Maximum Loads on Member

Type	Start : End (Side)	Combine	Source	Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 25' 5 5/16" (Top)	-	FC4 Floor Decking	16 lb/ft	48 lb/ft	-	-	-
Uniform	5' 11 7/8" : 19' 5 3/8" (Top)	-	FC4 Floor Decking	-	16 lb/ft	-	-	-
Point	5' 10 1/8" (Top)	-	B37(i65)	327 lb	112 lb	-	224 lb	-
Point	19' 7 1/8" (Top)	-	B50(i78)	327 lb	112 lb	-	224 lb	-
Point	25' 4 5/8" (Top)	-	B20(i51)	11 lb	-	-	-	-



Member Report

Floor Container: FC4 | Label: G26' | Design Tag: i1122

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

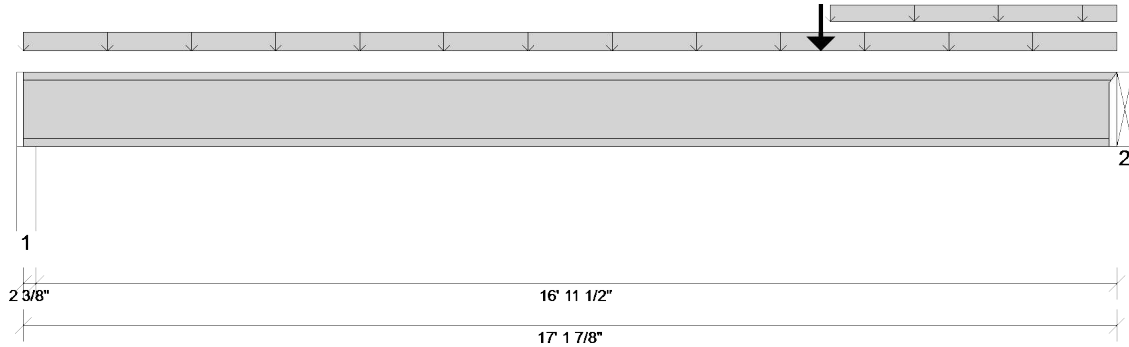
Floor Container: FC4 | Label: G18' | Design Tag: i1112

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 17' 1 7/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	846 lb @ 17' 1 7/8"	1005 lb (1.75")	Passed - 84%	1.00	1.0 D + 1.0 L - (0)
Shear	846 lb @ 17' 1 7/8"	1945 lb	Passed - 43%	1.00	1.0 D + 1.0 L - (0)
Moment	3241 lb-ft @ 10' 2 1/8"	4490 lb-ft	Passed - 72%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.22" @ 8' 9 5/8"	0.43" L/480	Passed - L/911	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.34" @ 8' 10 13/16"	0.85" L/240	Passed - L/595	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	47	30	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 along member length at 4-05-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 17-02-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Additional considerations for TJ-Pro™ Rating include ceiling.
- * 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:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports				
				Dead	Floor Live	Roof Live	Snow	Wind
1	0" : 2 3/8"	1.75"	E14(i7)	198 lb	459 lb	-	-	-
2	17' 1 7/8" : -	1.75"	M2-4(i1219)	298 lb	571 lb	-	-	-

Loads:

Type	Start : End (Side)	Combine	Source	Maximum Loads on Member				
				Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 17' 1 7/8" (Top)	-	FC4 Floor Decking	16 lb/ft	48 lb/ft	-	-	-
Uniform	12' 7 7/8" : 17' 1 7/8" (Top)	-	FC4 Floor Decking	-	16 lb/ft	-	-	-
Point	12' 6 1/8" (Top)	-	B37(i65)	215 lb	112 lb	-	-	-

Connector Information:

Support	Manufacturer	Model	Nailing Requirements				Min. Seat Length	Other Information
			Top	Face	Member			
2	SST	IUS2.06/14	Not Applicable	12- 10dx1.5	2- Strong-Grip	1.75"	Minimum seat length reported is based on the design load	



Member Report

Floor Container: FC4 | Label: G18' | Design Tag: i1112

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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Member Report

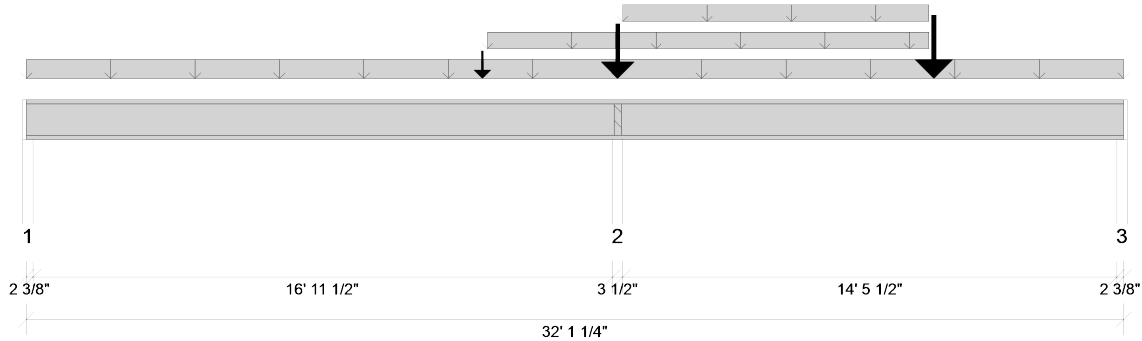
Floor Container: FC4 | Label: G34' | Design Tag: i1097

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2021

Design Methodology: ASD

Member Cut Length: 32' 1 1/4"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2364 lb @ 17' 3 5/8"	2505 lb (3.5")	Passed - 94%	1.00	1.0 D + 1.0 L - (0)
Shear	992 lb @ 17' 5 3/8"	1945 lb	Passed - 51%	1.00	1.0 D + 1.0 L - (0)
Moment	-3148 lb-ft @ 17' 3 5/8"	4490 lb-ft	Passed - 70%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.15" @ 8' 3 1/4"	0.43" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.21" @ 25' 4 1/4"	0.73" L/240	Passed - L/836	-	1.0 D + 0.75 L + 0.75 S - (0)
TJ Pro Rating	50	30	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 along member length at 4-08-00 o/c based on loads applied, unless detailed otherwise.
- * Bottom Edge Bracing (Lu): Bottom compression edge must be braced along member length at 4-06-00 o/c based on loads applied, unless detailed otherwise.
- * Allowed moment does not reflect the adjustment for the beam stability factor.
- * Additional considerations for TJ-Pro™ Rating include ceiling.
- * 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	Wind
1	0" : 2 3/8"	1.75"	E10(i14)	101 lb	376 / -51 lb	-	-14 lb	-
2	17' 1 7/8" : 17' 5 3/8"	3.5"	B5(i32)	1026 lb	1337 lb	-	273 lb	-
3	31' 10 7/8" : 32' 1 1/4"	1.75"	E6(i16)	293 lb	424 / -72 lb	-	125 lb	-

Loads:

Maximum Loads on Member

Type	Start : End (Side)	Combine	Source	Dead	Floor Live	Roof Live	Snow	Wind
Uniform	0" : 32' 1 1/4" (Top)	-	FC4 Floor Decking	16 lb/ft	48 lb/ft	-	-	-
Uniform	13' 5 7/8" : 26' 4 7/8" (Top)	-	FC4 Floor Decking	-	16 lb/ft	-	-	-
Uniform	17' 5 3/8" : 26' 4 7/8" (Top)	-	FC4 Floor Decking	16 lb/ft	-	-	-	-
Point	13' 4 1/8" (Top)	-	B44(i71)	137 lb	34 lb	-	-	-
Point	17' 3 5/8" (Top)	-	B24(i52)	289 lb	105 lb	-	159 lb	-
Point	26' 6 5/8" (Top)	-	B26(i54)	334 lb	119 lb	-	224 lb	-



Member Report

Floor Container: FC4 | Label: G34' | Design Tag: i1097

1 piece(s) of 14" TJI® 210 joist

Member Type: FloorJoist | Level: 2nd Floor

Product is Sufficient for Application and Loads Described

Design Passed

Reinforcing Accessories:

<u>Support / Location</u>	<u>Accessory Product(s)</u>
17' 3 5/8"	(2) 3/4" x 2 5/16" Web Stiffeners

Errors, Warnings, & Notes:

- * NOTE: Necessity of intermediate bearing accessories should be reviewed.
- * 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.
- * Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15, Wind - 1.60

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