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# Mike LaBounty

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Owner

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### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3394

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st Floor

*Product is Sufficient for Application and Loads Described*

**Design Passed**

User Defined Hanger - Not Designed

Web Stiffeners: Not Required

#### Reinforcing Accessories:

Support / Location	Accessory Product(s)
3 3/4"	(4) 3/4" x 2 5/16" Web Stiffeners

#### 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

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C4

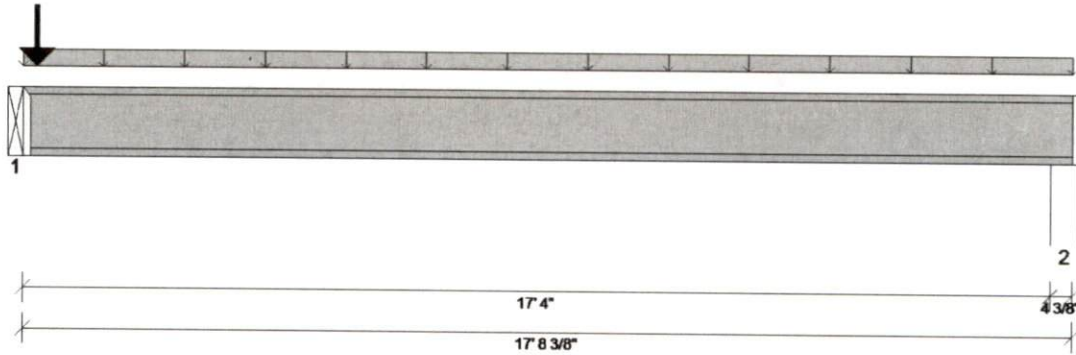
HARNETT COUNTY CENTRAL PERMITTING  
 APPLICATION # SFD2212-0061  
 JOB NAME KRAKOWSKI Pawel  
 DATE PLANS RECEIVED 12-29-22  
 SITE PLANS APPROVED \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_

### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3393

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st Floor

**Design Passed**
*Product is Sufficient for Application and Loads Described*


Building Code: IBC 2018      Design Methodology: ASD      Member Cut Length: 17' 8 3/8"      Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1989 lb @ 0"	2010 lb (1.75")	Passed - 99%	1.00	1.0 D + 1.0 L - (0)
Shear	1989 lb @ 0"	3890 lb	Passed - 51%	1.00	1.0 D + 1.0 L - (0)
Moment	1469 lb-ft @ 8' 0 3/8"	8980 lb-ft	Passed - 16%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.07" @ 8' 6 5/8"	0.44" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.09" @ 8' 6 3/16"	0.87" L/240	Passed - L/999	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	59	35	Passed		

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

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 8-08-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 17-08-00 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 1-04-00 o.c. spacing.

**Supports:**

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 0"	1.75"	M1-3(i3357)	725 lb	1294 lb	-	361 lb
2	17' 4" : 17' 8 3/8"	1.75"	F8(i2363)	61 lb	242 lb	-	-

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	0" : 17' 8 3/8"	-	FC3 Floor Decking	7 lb/ft	27 lb/ft	-	-
Point	2 3/4" : -	-	B25(i2310)	665 lb	1056 lb	-	361 lb

**Connector Information:**

Support	Manufacturer	Model	Nailing Requirements			Min. Seat Length	Other Information
			Top	Face	Member		
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



## Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3393

**2 piece(s) of 14" TJ@ 210 joist**

Member Type: FloorJoist | Level: 1st 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

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## Member Report

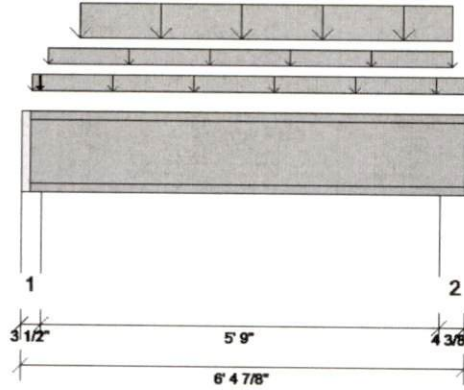
Floor Container: FC3 | Label: G8'-2 | Design Tag: i3378

**2 piece(s) of 14" TJI® 210 joist**

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

**Design Passed**

*Product is Sufficient for Application and Loads Described*



Building Code: IBC 2018

Design Methodology: ASD

Member Cut Length: 6' 4 7/8"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	1139 lb @ 6' 2"	3358 lb (3.5")	Passed - 34%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1070 lb @ 6' 0 1/2"	4474 lb	Passed - 24%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	1657 lb-ft @ 3' 2 3/8"	10327 lb-ft	Passed - 16%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.01" @ 3' 2"	0.15" L/480	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.02" @ 3' 2"	0.30" 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 at 6-05-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 6-05-00 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 1-04-00 o.c. spacing.

### Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 3 1/2"	1.75"	NF1(i2370)	460 lb	263 lb	-	336 lb
2	6' 0 1/2" : 6' 4 7/8"	1.75"	F6(i2359)	561 lb	313 lb	-	416 lb

### Loads:

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	1 3/4" : 6' 4 7/8"	-	FC3 Floor Decking	7 lb/ft	27 lb/ft	-	-
Uniform	4 1/2" : 6' 2 1/2"	-	FC3 Floor Decking	5 lb/ft	-	-	-
Uniform	10" : 6' 2 1/2"	-	B54(i2339)	177 lb/ft	76 lb/ft	-	140 lb/ft
Point	3 1/8" : -	-	FC3 Floor Decking	2 lb	-	-	-

### Errors, Warnings, & Notes:

- \* This member was designed as a girder member due to load and/or framing conditions. TJI-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.

File Name: SR-309891

KRAKOWSKI RESIDENCE

REVISION DATE

REVISION COMMENTS

Javelin® Software 6.5.0.467

Design Engine: V8.1.7.10

Data: V8.0.2.0

10/26/2022 9:24:13 AM

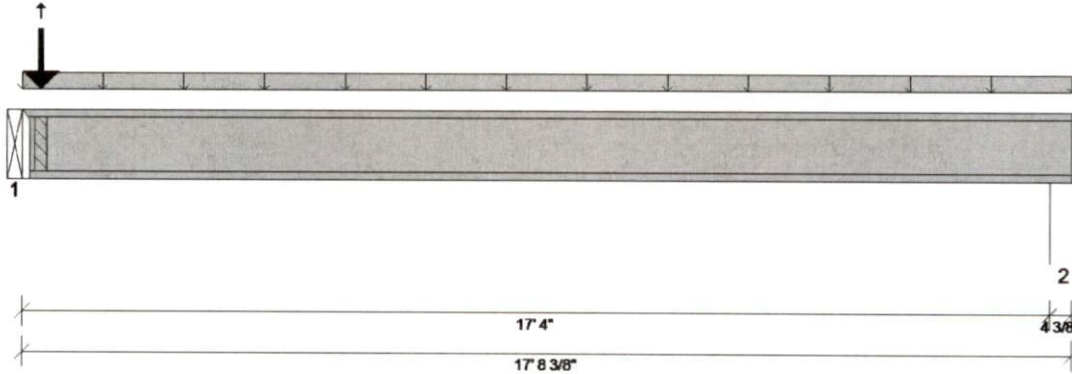
Page 1 of 2

### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3394

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st Floor

**Design Passed**
*Product is Sufficient for Application and Loads Described*


Building Code: IBC 2018      Design Methodology: ASD      Member Cut Length: 17' 8 3/8"      Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	3449 lb @ 0"	3449 lb (3.15")	Passed - 100%	1.00	1.0 D + 1.0 L - (1)
Shear	3449 lb @ 0"	3890 lb	Passed - 89%	1.00	1.0 D + 1.0 L - (1)
Moment	1816 lb-ft @ 6' 11 3/4"	8980 lb-ft	Passed - 20%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.08" @ 8' 4 7/8"	0.44" L/480	Passed - L/999	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.11" @ 8' 3 11/16"	0.87" L/240	Passed - L/999	-	1.0 D + 1.0 L - (1)
TJ Pro Rating	59	35	Passed		

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

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 8-07-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 17-08-00 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 1-04-00 o.c. spacing.

**Supports:**

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 0"	3.15"	M1-3(i3357)	1521 lb	1936 lb	-	854 lb
2	17' 4" : 17' 8 3/8"	1.75"	F8(i2363)	87 lb	273 lb	-	16 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	0" : 17' 8 3/8"	-	FC3 Floor Decking	7 lb/ft	27 lb/ft	-	-
Point	3 3/4" :-	-	B24(i2309)	1488 lb	1729 / -12 lb	-	870 lb

**Connector Information:**
**Nailing Requirements**

Support	Manufacturer	Model	Top	Face	Member	Min. Seat Length	Other Information
1	Not Specified	MIU4.28/14	Not Applicable	Not Applicable	Not Applicable	3.15"	Backer Block(s): Not Required Filler: Not Required Minimum seat length reported is based on the design load



### Member Report

Floor Container: FC3 | Label: G8'-2 | Design Tag: i3378

**2 piece(s) of 14" TJI® 210 joist**

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

*Product is Sufficient for Application and Loads Described*

**Design Passed**

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

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SUSTAINABLE FORESTRY INITIATIVE



### Member Report

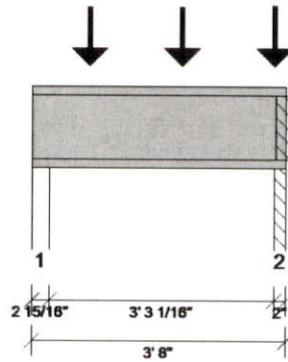
Floor Container: FC3 | Label: G4'-2 | Design Tag: i3368

**2 piece(s) of 14" TJI@ 210 Joist**

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

**Design Passed**

*Product is Sufficient for Application and Loads Described*



Building Code: IBC 2018

Design Methodology: ASD

Member Cut Length: 3' 8"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	2274 lb @ 3' 7 1/2"	2855 lb (2")	Passed - 80%	1.00	1.0 D + 1.0 L - (0)
Shear	1640 lb @ 2' 15/16"	3890 lb	Passed - 42%	1.00	1.0 D + 1.0 L - (0)
Moment	1551 lb-ft @ 2' 2"	8980 lb-ft	Passed - 17%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.01" @ 2' 2"	0.09" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.02" @ 2' 2"	0.18" L/240	Passed - L/999	-	1.0 D + 1.0 L - (0)

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 3-08-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 3-08-00 o/c based on loads applied, unless detailed otherwise.
- \* Allowed moment does not reflect the adjustment for the beam stability factor.
- \* Member design (strength) is based on loads shown in loading section. T-J-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
1	0" : 2' 15/16"	1.75"	NF1(i2370)	478 lb	1184 lb	-	-
2	3' 6" : 3' 8"	1.75"	PBO4(i2438)	703 lb	1528 lb	-	172 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Point	10" : -	-	G18'(i3363)	387 lb	958 lb	-	-
Point	2' 2" : -	-	G18'(i3387)	386 lb	956 lb	-	-
Point	3' 6" : -	-	G18'(i3362)	408 lb	798 lb	-	172 lb

**Reinforcing Accessories:**

Support / Location	Accessory Product(s)
3' 6 1/2"	(4) 3/4" x 2 5/16" Web Stiffeners
2' 2"	(2) 3/4" or 7/8" Backer Blocks, (4) 2x8 + 3/8" sheathing Filler Blocks
10"	(2) 3/4" or 7/8" Backer Blocks
1' 7"	(2) 2x8 + 3/8" sheathing Filler Blocks



## Member Report

Floor Container: FC3 | Label: G4'-2 | Design Tag: i3368

**2 piece(s) of 14" TJI® 210 joist**

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

*Product is Sufficient for Application and Loads Described*

**Design Passed**

1' 0"

(4) 2x8 + 3/8" sheathing Filler Blocks

### **Errors, Warnings, & Notes:**

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

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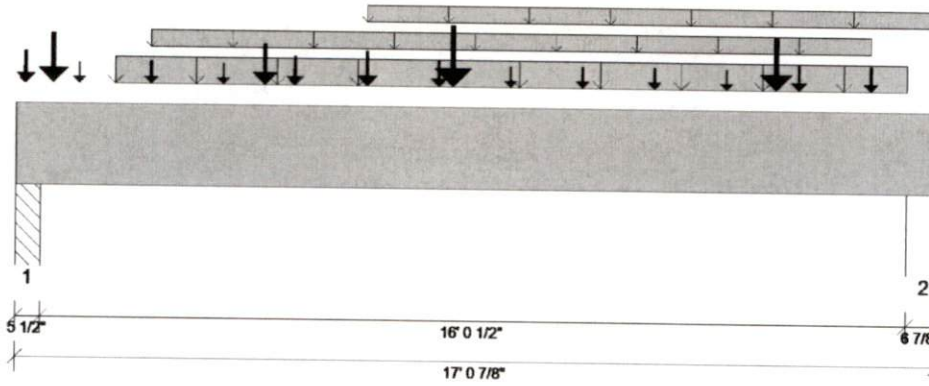
SUSTAINABLE FORESTRY INITIATIVE

### Member Report

Label: M1-3 | Design Tag: i3357

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

Member Type: Beam | Level: 1st Floor

**Design Passed**
*Product is Sufficient for Application and Loads Described*


Building Code: IBC 2018

Design Methodology: ASD

Member Cut Length: 17' 0 7/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	15595 lb @ 4"	21656 lb (5.5")	Passed - 72%	-	1.0 D + 1.0 L - (0)
Shear	11676 lb @ 15' 0"	17955 lb	Passed - 65%	1.00	1.0 D + 1.0 L - (0)
Moment	56447 lb-ft @ 8' 1 1/8"	58130 lb-ft	Passed - 97%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.39" @ 8' 4 13/16"	0.54" L/360	Passed - L/507	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.58" @ 8' 1 1/8"	0.81" L/240	Passed - L/339	-	1.0 D + 1.0 L - (0)

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 2-07-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 17-01-00 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
1	0" : 5 1/2"	3.96"	PBO3(i2373)	5701 lb	9890 lb	-	1465 lb
2	16' 6" : 17' 0 7/8"	3.16"	F14(i2368)	3880 lb	8556 lb	-	917 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 17' 0 7/8"	-	Self Weight	26 lb/ft	-	-	-
Uniform	1' 10" : 16' 6"	-	Smoothed Load	-	226 lb/ft	-	-
Uniform	2' 6" : 15' 10"	-	Smoothed Load	29 lb/ft	-	-	-
Uniform	6' 6" : 17' 0 7/8"	-	Smoothed Load	29 lb/ft	-	-	-
Point	1 3/4" : -	-	B49(i2334)	35 lb	5 lb	-	-
Point	2 1/16" : -	-	G12'-2(i3353)	881 lb	648 lb	-	-
Point	8 1/4" : -	-	G18'-2(i3339)	964 lb	1593 lb	-	693 lb
Point	1' 2" : -	-	G18'(i3335)	143 lb	324 lb	-	-
Point	1' 2" : -	-	G12'(i3331)	71 lb	283 lb	-	-
Point	2' 6" : -	-	G18'(i3369)	216 lb	476 lb	-	-
Point	2' 6" : -	-	G12'(i3347)	76 lb	-	-	-
Point	3' 10" : -	-	G18'(i3333)	167 lb	376 lb	-	-
Point	4' 7 1/4" : -	-	G18'-2(i3393)	725 lb	1294 lb	-	361 lb
Point	5' 1 3/4" : -	-	NB21(i2559)	32 lb	-	-	-
Point	5' 2" : -	-	G18'(i3390)	358 lb	913 lb	-	-
Point	5' 2" : -	-	G12'(i3367)	469 lb	-	-	-
Point	6' 6" : -	-	G18'(i3350)	498 lb	1309 lb	-	-
Point	7' 10" : -	-	G18'(i3389)	285 lb	755 lb	-	-
Point	8' 1 1/8" : -	-	G18'-2(i3394)	1521 lb	1936 lb	-	854 lb
Point	9' 2" : -	-	G18'(i3330)	107 lb	430 lb	-	-



### Member Report

Label: M1-3 | Design Tag: i3357

**Design Passed**

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

Member Type: Beam | Level: 1st Floor

*Product is Sufficient for Application and Loads Described*

Point	10' 6" :-	-	G18'(i3271)	119 lb	476 lb	-	-
Point	11' 10" :-	-	G18'(i3269)	119 lb	476 lb	-	-
Point	13' 2" :-	-	G18'(i3332)	100 lb	402 lb	-	-
Point	14' 1" :-	-	G18'-2(i3338)	1054 lb	2017 lb	-	474 lb
Point	14' 6" :-	-	G18'(i3356)	239 lb	758 lb	-	-
Point	15' 10" :-	-	G8'(i3344)	273 lb	654 lb	-	-

#### Errors, Warnings, & Notes:

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

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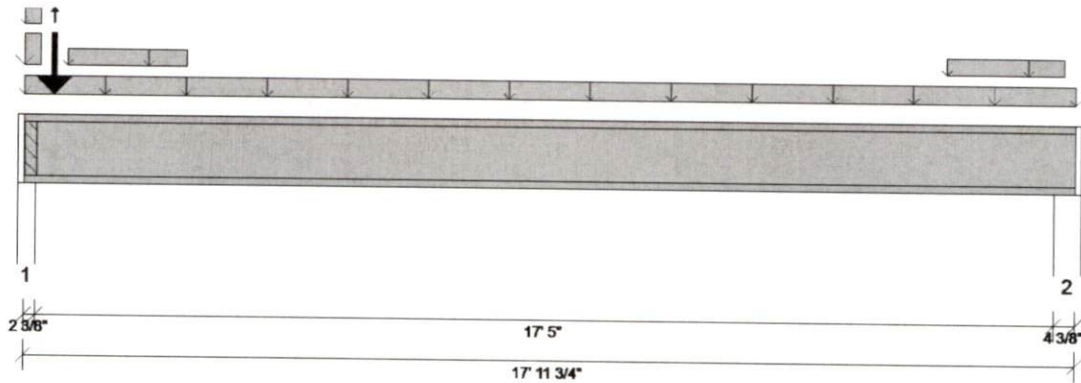


### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3341

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st Floor

**Design Passed**
*Product is Sufficient for Application and Loads Described*


Building Code: IBC 2018

Design Methodology: ASD

Member Cut Length: 17' 11 3/4"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDf	Load Combination - (Load Group)
Critical Reaction	2523 lb @ 1 3/8"	3048 lb (2.38")	Passed - 83%	1.00	1.0 D + 1.0 L - (1)
Shear	2446 lb @ 2 3/8"	3890 lb	Passed - 63%	1.00	1.0 D + 1.0 L - (1)
Moment	3027 lb-ft @ 8' 2 15/16"	8980 lb-ft	Passed - 34%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.13" @ 8' 9 7/8"	0.44" L/480	Passed - L/999	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.19" @ 8' 8 11/16"	0.88" L/240	Passed - L/999	-	1.0 D + 1.0 L - (1)
TJ Pro Rating	60	35	Passed		

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

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 6-07-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 18-00-00 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 1-04-00 o.c. spacing.

**Supports:**

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 2 3/8"	1.75"	NF1(i2370)	1413 lb	1086 lb	-	782 lb
2	17' 7 3/8" : 17' 11 3/4"	1.75"	F8(i2363)	221 lb	511 lb	-	28 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	0" : 17' 11 3/4"	-	FC3 Floor Decking	13 lb/ft	53 lb/ft	-	-
Uniform	0" : 3 3/8"	-	B53(i2337)	193 lb/ft	29 lb/ft	-	88 lb/ft
Uniform	0" : 3 3/8"	-	FC3 Floor Decking	4 lb/ft	-	-	-
Uniform	8 7/8" : 2' 9 3/8"	-	FC3 Floor Decking	27 lb/ft	-	-	-
Uniform	15' 9 3/8" : 17' 9 3/8"	-	FC3 Floor Decking	27 lb/ft	-	-	-
Point	6 1/8" : -	-	B25(i2310)	1230 lb	625 / -5 lb	-	785 lb





### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3341

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st Floor

*Product is Sufficient for Application and Loads Described*

**Design Passed**

#### Reinforcing Accessories:

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

#### 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

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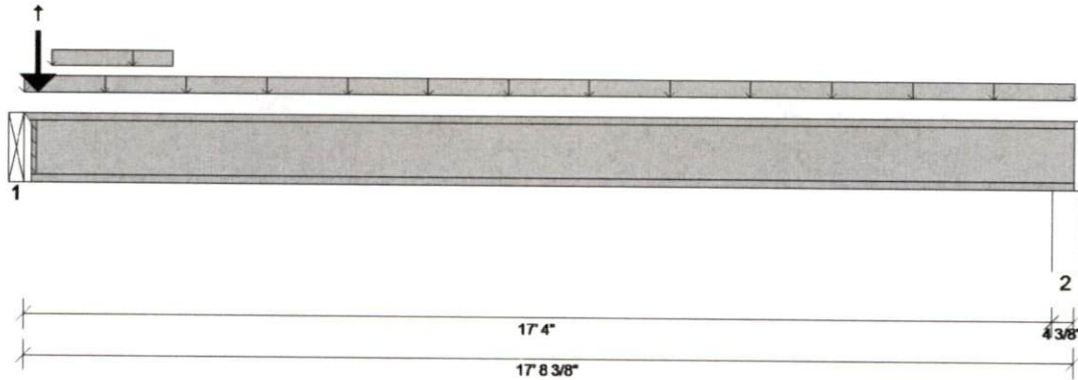


### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3339  
**2 piece(s) of 14" TJI® 210 joist**  
 Member Type: FloorJoist | Level: 1st Floor

**Design Passed**

*Product is Sufficient for Application and Loads Described*



Building Code: IBC 2018      Design Methodology: ASD      Member Cut Length: 17' 8 3/8"      Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	2520 lb @ 0"	2520 lb (2.74")	Passed - 100%	1.00	1.0 D + 1.0 L - (1)
Shear	2520 lb @ 0"	3890 lb	Passed - 65%	1.00	1.0 D + 1.0 L - (1)
Moment	1538 lb-ft @ 7' 9 3/4"	8980 lb-ft	Passed - 17%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.07" @ 8' 6 1/4"	0.44" L/480	Passed - L/999	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.09" @ 8' 5 5/8"	0.87" L/240	Passed - L/999	-	1.0 D + 1.0 L - (1)
TJ Pro Rating	59	35	Passed		

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

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 8-08-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 17-08-00 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 1-04-00 o.c. spacing.

**Supports:**

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 0"	2.74"	M1-3(i3357)	964 lb	1593 lb	-	693 lb
2	17' 4" : 17' 8 3/8"	1.75"	F8(i2363)	61 lb	242 lb	-	-

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	0" : 17' 8 3/8"	-	FC3 Floor Decking	7 lb/ft	27 lb/ft	-	-
Uniform	5 1/2" : 2' 6"	-	FC3 Floor Decking	1 lb/ft	-	-	-
Point	2 3/4" : -	-	B25(i2310)	903 lb	1355 / -6 lb	-	693 lb

**Connector Information:**

Support	Manufacturer	Model	Nailing Requirements			Min. Seat Length	Other Information
			Top	Face	Member		
1	SST	MIU4.28/14	Not Applicable	22- 16d	6- 10dx1.5	1.75"	Minimum seat length reported is based on the design load Web stiffener Required - see reinforcing accessories table



### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3339

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st Floor

*Product is Sufficient for Application and Loads Described*

**Design Passed**

#### Reinforcing Accessories:

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

#### 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

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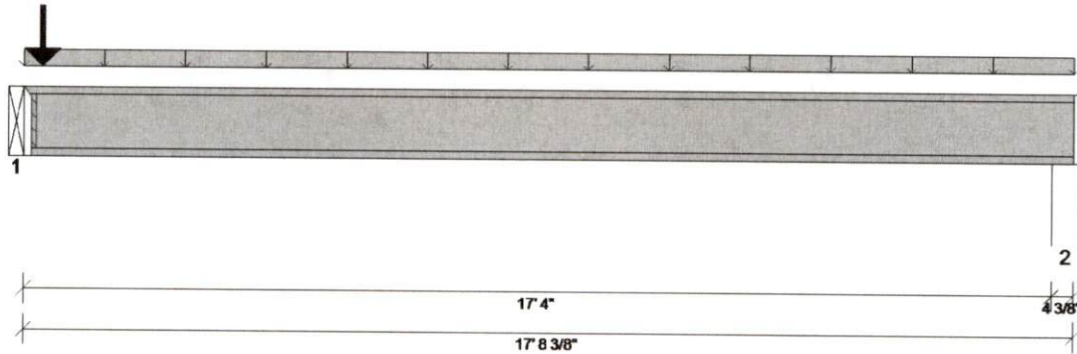


### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3338  
**2 piece(s) of 14" TJI® 210 joist**  
 Member Type: FloorJoist | Level: 1st Floor

**Design Passed**

*Product is Sufficient for Application and Loads Described*



Building Code: IBC 2018      Design Methodology: ASD      Member Cut Length: 17' 8 3/8"      Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	3064 lb @ 0"	3064 lb (2.41")	Passed - 100%	1.00	1.0 D + 1.0 L - (0)
Shear	3064 lb @ 0"	3890 lb	Passed - 79%	1.00	1.0 D + 1.0 L - (0)
Moment	1744 lb-ft @ 7' 2 1/4"	8980 lb-ft	Passed - 19%	1.00	1.0 D + 1.0 L - (0)
Live Load Deflection	0.08" @ 8' 4 3/4"	0.44" L/480	Passed - L/999	-	1.0 D + 1.0 L - (0)
Total Load Deflection	0.11" @ 8' 4 1/16"	0.87" L/240	Passed - L/999	-	1.0 D + 1.0 L - (0)
TJ Pro Rating	59	35	Passed		

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

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 8-08-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 17-08-00 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 1-04-00 o.c. spacing.

**Supports:**

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 0"	2.41"	M1-3(i3357)	1054 lb	2017 lb	-	474 lb
2	17' 4" : 17' 8 3/8"	1.75"	F8(i2363)	79 lb	275 lb	-	9 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	0" : 17' 8 3/8"	-	FC3 Floor Decking	7 lb/ft	27 lb/ft	-	-
Point	3 3/4" : -	-	B58(i2345)	1012 lb	1812 lb	-	483 lb

**Connector Information:**

Support	Manufacturer	Model	Nailing Requirements			Min. Seat Length	Other Information
			Top	Face	Member		
1	SST	MIU4.28/14	Not Applicable	22- 16d	6- 10dx1.5	2.41"	Minimum seat length reported is based on the design load Web stiffener Required - see reinforcing accessories table



### Member Report

Floor Container: FC3 | Label: G18'-2 | Design Tag: i3338

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st Floor

*Product is Sufficient for Application and Loads Described*

**Design Passed**

#### Reinforcing Accessories:

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

#### 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 TJI-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 TJI-Pro™ Rating.
- \* Load Duration Factors: Dead - 0.90, Floor Live - 1.00, Roof Live - 1.25, Snow - 1.15

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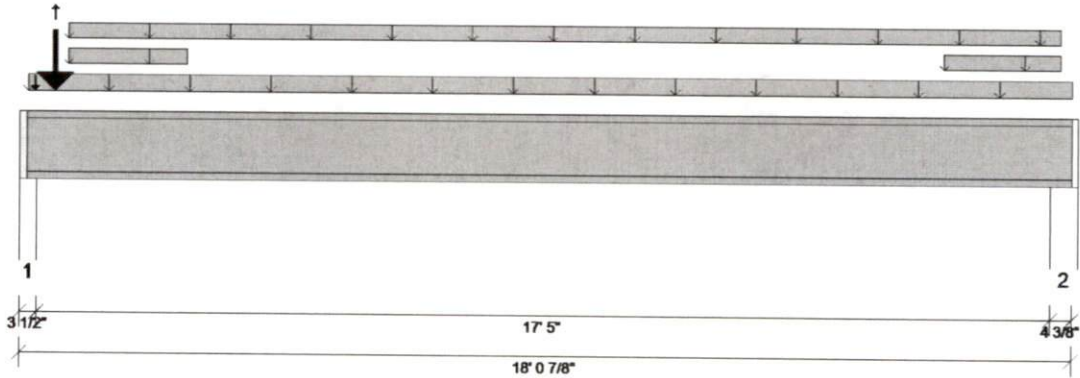


### Member Report

Floor Container: FC3 | Label: G20'-2 | Design Tag: i3336

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st Floor

**Design Passed**
*Product is Sufficient for Application and Loads Described*


Building Code: IBC 2018

Design Methodology: ASD

Member Cut Length: 18' 0 7/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	2524 lb @ 2 1/2"	2920 lb (3.5")	Passed - 86%	1.00	1.0 D + 1.0 L - (1)
Shear	2517 lb @ 3 1/2"	3890 lb	Passed - 65%	1.00	1.0 D + 1.0 L - (1)
Moment	2017 lb-ft @ 7' 8 3/4"	8980 lb-ft	Passed - 22%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.08" @ 8' 8 3/8"	0.44" L/480	Passed - L/999	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.13" @ 8' 8 3/16"	0.88" L/240	Passed - L/999	-	1.0 D + 1.0 L - (1)
TJ Pro Rating	60	35	Passed		

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

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 8-02-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 18-01-00 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
1	0" : 3 1/2"	2.75"	NF1(i2370)	903 lb	1592 lb	-	553 lb
2	17' 8 1/2" : 18' 0 7/8"	1.75"	F8(i2363)	160 lb	295 lb	-	20 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	1 3/4" : 18' 0 7/8"	-	FC3 Floor Decking	7 lb/ft	27 lb/ft	-	-
Uniform	10" : 17' 10 1/2"	-	FC3 Floor Decking	6 lb/ft	-	-	-
Uniform	10" : 2' 10 1/2"	-	FC3 Floor Decking	7 lb/ft	-	-	-
Uniform	15' 10 1/2" : 17' 10"	-	FC3 Floor Decking	7 lb/ft	-	-	-
Point	3 1/8" : -	-	FC3 Floor Decking	2 lb	-	-	-
Point	7 1/4" : -	-	B25(i2310)	806 lb	1406 / -12 lb	-	573 lb



## Member Report

Floor Container: FC3 | Label: G20'-2 | Design Tag: i3336

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 1st 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

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SUSTAINABLE FORESTRY INITIATIVE

### Member Report

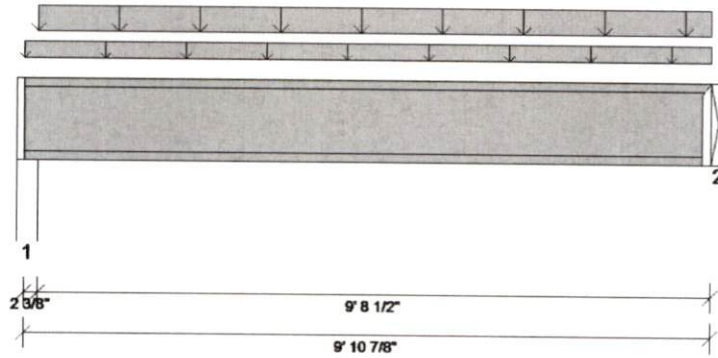
Floor Container: FC4 | Label: G10'-2 | Design Tag: i3603

**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 2018

Design Methodology: ASD

Member Cut Length: 9' 10 7/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	1032 lb @ 9' 10 7/8"	2312 lb (1.75")	Passed - 45%	1.15	1.0 D + 1.0 S - (0)
Shear	1032 lb @ 9' 10 7/8"	4474 lb	Passed - 23%	1.15	1.0 D + 1.0 S - (0)
Moment	2536 lb-ft @ 4' 11 7/8"	10327 lb-ft	Passed - 25%	1.15	1.0 D + 1.0 S - (0)
Live Load Deflection	0.03" @ 4' 11 7/8"	0.25" L/480	Passed - L/999	-	1.0 D + 1.0 S - (0)
Total Load Deflection	0.07" @ 4' 11 7/8"	0.49" L/240	Passed - L/999	-	1.0 D + 1.0 S - (0)

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 7-03-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 9-11-00 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. 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
1	0" : 2 3/8"	1.75"	B17(i2295)	563 lb	136 lb	-	428 lb
2	9' 10 7/8" :-	1.75"	M1-2(i3516)	562 lb	134 lb	-	428 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	0" : 9' 10 7/8"	-	FC4 Floor Decking	7 lb/ft	27 lb/ft	-	-
Uniform	2 3/8" : 9' 10 7/8"	-	B61(i2347)	109 lb/ft	-	-	88 lb/ft

**Connector Information:**

Support	Manufacturer	Model	Nailing Requirements				Other Information
			Top	Face	Member	Min. Seat Length	
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:**

- \* 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.



## Member Report

Floor Container: FC4 | Label: G10'-2 | Design Tag: i3603

**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**

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

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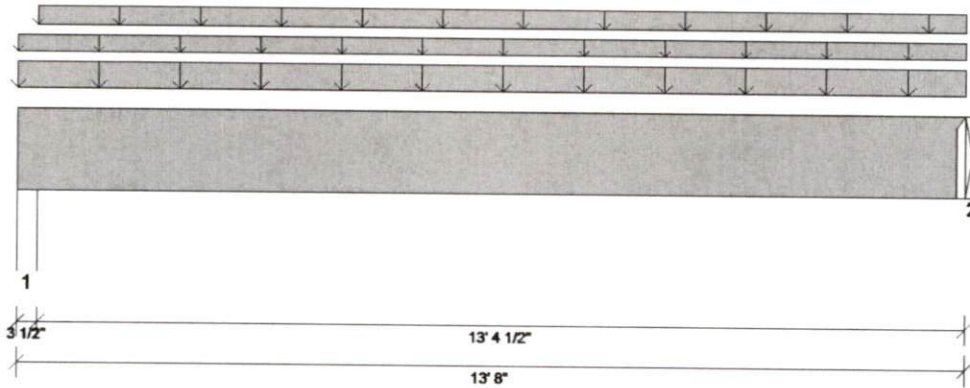


### Member Report

Label: M1-2 | Design Tag: i3590

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

Member Type: Beam | Level: 2nd Floor

**Design Passed**
*Product is Sufficient for Application and Loads Described*


Building Code: IBC 2018

Design Methodology: ASD

Member Cut Length: 13' 8"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	1850 lb @ 13' 8"	3938 lb (1.5")	Passed - 47%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1579 lb @ 12' 8 1/8"	9081 lb	Passed - 17%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	6244 lb-ft @ 6' 11"	20525 lb-ft	Passed - 30%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.13" @ 6' 11"	0.45" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.23" @ 6' 11"	0.68" L/240	Passed - L/714	-	1.0 D + 0.75 L + 0.75 S - (0)

#### Design Notes:

\* Top Edge Bracing (Lu): Top compression edge must be braced at 13-08-00 o/c based on loads applied, unless detailed otherwise.

\* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 13-08-00 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
1	0" : 3' 1/2"	1.5"	B2(i2287)	765 lb	518 lb	-	969 lb
2	13' 8" : -	1.5"	M3-2(i3553)	751 lb	517 lb	-	945 lb

#### Loads:

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 13' 8"	-	Self Weight	11 lb/ft	-	-	-
Uniform	0" : 13' 8"	-	User Load	70 lb/ft	-	-	140 lb/ft
Uniform	0" : 13' 8"	-	FC4 Floor Decking	8 lb/ft	33 lb/ft	-	-
Uniform	3' 1/2" : 13' 8"	-	User Load	21 lb/ft	43 lb/ft	-	-

#### Connector Information:

Support	Manufacturer	Model	Nailing Requirements				Other Information
			Top	Face	Member	Min. Seat Length	
2	SST	HHUS410	Not Applicable	30- 10d	10- 10d	1.5"	Minimum seat length reported is based on the design load

#### 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.





## Member Report

Label: M1-2 | Design Tag: i3590

**Design Passed**

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

Member Type: Beam | Level: 2nd Floor

*Product is Sufficient for Application and Loads Described*

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

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

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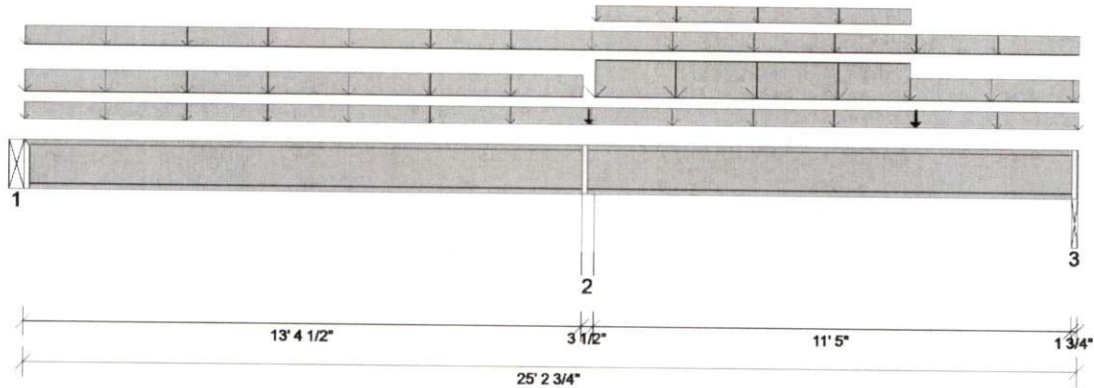
SUSTAINABLE FORESTRY INITIATIVE

### Member Report

Floor Container: FC4 | Label: G26'-2 | Design Tag: i3564

**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 2018

Design Methodology: ASD

Member Cut Length: 25' 2 3/4"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	4756 lb @ 13' 6 1/4"	4934 lb (3.5")	Passed - 96%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Shear	2400 lb @ 13' 8"	4474 lb	Passed - 54%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	-5741 lb-ft @ 13' 6 1/4"	10327 lb-ft	Passed - 56%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.08" @ 19' 7"	0.29" L/480	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.15" @ 19' 9 1/4"	0.58" L/240	Passed - L/936	-	1.0 D + 0.75 L + 0.75 S - (0)

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 5-06-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 4-09-00 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 1-04-00 o.c. spacing.

**Supports:**

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 0"	1.75"	M1-2(i3516)	562 lb	160 / -61 lb	-	465 lb
2	13' 4 1/2" : 13' 8"	3.5"	B41(i2326)	2438 lb	1041 lb	-	1924 lb
3	25' 1" : 25' 2 3/4"	1.75"	BBO1(i2470)	697 lb	344 / -28 lb	-	593 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	-0" : 25' 2 3/4"	-	B61(i2347)	65 lb/ft	-	-	-
Uniform	0" : 25' 2 3/4"	-	FC4 Floor Decking	7 To 7 lb/ft	26 To 26 lb/ft	-	-
Uniform	-0" : 13' 4 1/2"	-	B61(i2347)	44 lb/ft	-	-	88 lb/ft
Uniform	13' 8" : 21' 2 1/2"	-	B61(i2347)	142 lb/ft	103 lb/ft	-	180 lb/ft
Uniform	13' 8" : 21' 2 1/2"	-	FC4 Floor Decking	4 lb/ft	-	-	-
Uniform	21' 2 1/2" : 25' 2 3/4"	-	B61(i2347)	44 lb/ft	-	-	88 lb/ft
Point	13' 6 1/4" : -	-	B63(i2350)	2 lb	-	-	-
Point	21' 4 1/4" : -	-	B64(i2351)	27 lb	-	-	-

**Connector Information:**

Support	Manufacturer	Model	Nailing Requirements			Min. Seat Length	Other Information
			Top	Face	Member		
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

 File Name: SR-309891  
 KRAKOWSKI RESIDENCE  
 REVISION DATE  
 REVISION COMMENTS

 Javelin® Software 6.5.0.467  
 Design Engine: V8.1.7.10  
 Data: V8.0.2.0  
 10/26/2022 9:25:27 AM  
 Page 1 of 2



## Member Report

Floor Container: FC4 | Label: G26'-2 | Design Tag: i3564

**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**

### **Errors, Warnings, & Notes:**

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

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### Member Report

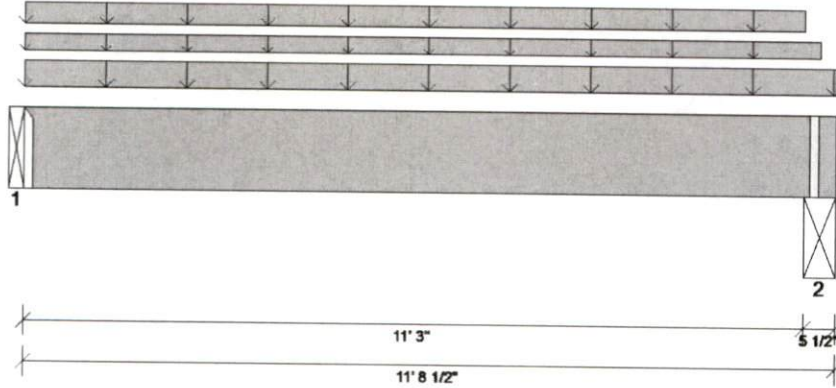
Label: M2-2 | Design Tag: i3562

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

Member Type: Beam | Level: 2nd Floor

**Design Passed**

*Product is Sufficient for Application and Loads Described*



Building Code: IBC 2018

Design Methodology: ASD

Member Cut Length: 11' 8 1/2"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	1772 lb @ 0"	3938 lb (1.5")	Passed - 45%	-	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1464 lb @ 11 7/8"	9081 lb	Passed - 16%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	5039 lb-ft @ 5' 8 1/4"	20525 lb-ft	Passed - 25%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.08" @ 5' 8 1/4"	0.38" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.13" @ 5' 8 1/4"	0.57" 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 at 11-09-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 11-09-00 o/c based on loads applied, unless detailed otherwise.
- \* Allowed moment does not reflect the adjustment for the beam stability factor.

**Supports:**

<u>Support</u>	<u>Start : End</u>	<u>Req'd Br'g</u>	<u>Source</u>	<u>Maximum Loads to Supports</u>			
				<u>Dead</u>	<u>Floor Live</u>	<u>Roof Live</u>	<u>Snow</u>
1	0" : 0"	1.5"	M3-2(i3553)	717 lb	606 lb	-	796 lb
2	11' 3" : 11' 8 1/2"	1.5"	BBO2(i2448)	744 lb	601 lb	-	844 lb

**Loads:**

<u>Type</u>	<u>Start : End</u>	<u>Combine</u>	<u>Source</u>	<u>Maximum Loads on Member</u>			
				<u>Dead</u>	<u>Floor Live</u>	<u>Roof Live</u>	<u>Snow</u>
Self Weight	0" : 11' 8 1/2"	-	Self Weight	11 lb/ft	-	-	-
Uniform	0" : 11' 8 1/2"	-	User Load	70 lb/ft	-	-	140 lb/ft
Uniform	0" : 11' 5 3/4"	-	FC4 Floor Decking	8 lb/ft	33 lb/ft	-	-
Uniform	0" : 11' 3"	-	User Load	36 lb/ft	73 lb/ft	-	-

**Connector Information:**

<u>Support</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Nailing Requirements</u>			<u>Min. Seat Length</u>	<u>Other Information</u>
			<u>Top</u>	<u>Face</u>	<u>Member</u>		
1	SST	HHUS410	Not Applicable	30- 10d	10- 10d	1.5"	Minimum seat length reported is based on the design load

**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.





## Member Report

Label: M2-2 | Design Tag: i3562

**Design Passed**

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

Member Type: Beam | Level: 2nd Floor

*Product is Sufficient for Application and Loads Described*

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

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

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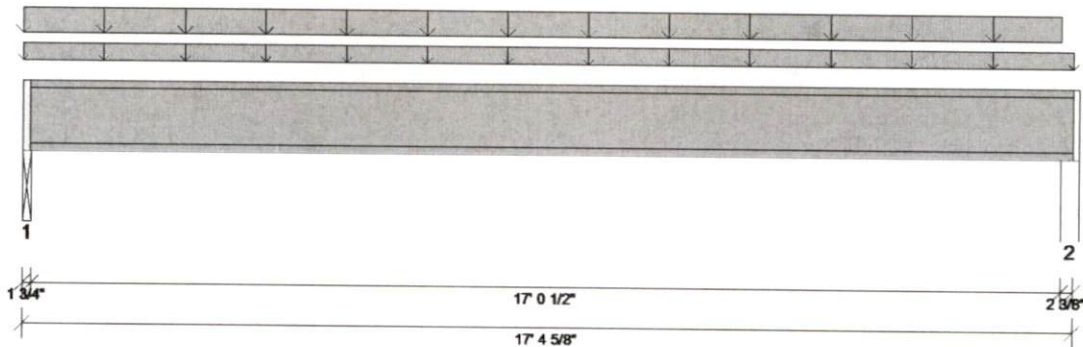


### Member Report

Floor Container: FC4 | Label: G18'-2 | Design Tag: i3555

**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 2018

Design Methodology: ASD

Member Cut Length: 17' 4 5/8"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	1819 lb @ 1/4"	2312 lb (1.75")	Passed - 79%	1.15	1.0 D + 1.0 S - (0)
Shear	1788 lb @ 17' 2 1/4"	4474 lb	Passed - 40%	1.15	1.0 D + 1.0 S - (0)
Moment	7843 lb-ft @ 8' 8"	10327 lb-ft	Passed - 76%	1.15	1.0 D + 1.0 S - (0)
Live Load Deflection	0.22" @ 8' 8"	0.43" L/480	Passed - L/957	-	1.0 D + 1.0 S - (0)
Total Load Deflection	0.52" @ 8' 8"	0.86" L/240	Passed - L/402	-	1.0 D + 1.0 S - (0)

#### Design Notes:

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 4-00-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 17-05-00 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 1-04-00 o.c. spacing.

#### Supports:

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 1 3/4"	1.75"	BBO1(i2470)	997 lb	231 lb	-	760 lb
2	17' 2 1/4" : 17' 4 5/8"	1.75"	B10(i2290)	991 lb	235 lb	-	754 lb

#### Loads:

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	-0" : 17' 4 5/8"	-	FC4 Floor Decking	7 lb/ft	27 lb/ft	-	-
Uniform	-0" : 17' 2 1/4"	-	B61(i2347)	109 lb/ft	-	-	88 lb/ft

#### Errors, Warnings, & Notes:

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



**Design Passed**

### Member Report

Floor Container: FC4 | Label: G18'-2 | Design Tag: i3555

**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*

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### Member Report

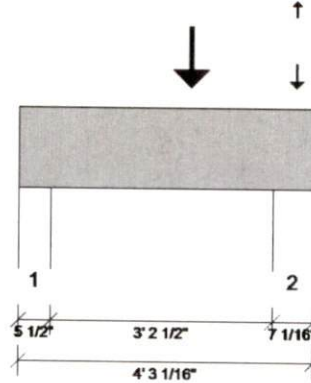
Label: M3-2 | Design Tag: i3553

**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 2018

Design Methodology: ASD

Member Cut Length: 4' 3 1/16"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	2964 lb @ 3' 9 1/2"	10472 lb (7.04")	Passed - 28%	-	1.0 D + 0.75 L + 0.75 S - (1)
Shear	2252 lb @ 2' 10 3/4"	7074 lb	Passed - 32%	1.15	1.0 D + 0.75 L + 0.75 S - (1)
Moment	2958 lb-ft @ 2' 5 3/4"	12884 lb-ft	Passed - 23%	1.15	1.0 D + 0.75 L + 0.75 S - (1)
Live Load Deflection	0.01" @ 2' 5 3/4"	0.12" L/360	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (1)
Total Load Deflection	0.02" @ 2' 5 3/4"	0.17" L/240	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (1)

#### Design Notes:

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 4-03-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 4-03-00 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
1	0" : 5 1/2"	1.5"	B22(i2307)	575 lb	426 lb	-	661 lb
2	3' 8" : 4' 3 1/16"	1.99"	B70(i2451)	1102 lb	1402 lb	-	1080 lb

#### Loads:

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 4' 3 1/16"	-	Self Weight	9 lb/ft	-	-	-
Point	2' 5 3/4" :-	-	M1-2(i3590)	751 lb	517 lb	-	945 lb
Point	2' 5 3/4" :-	-	M2-2(i3562)	717 lb	606 lb	-	796 lb
Point	4' 0" :-	-	G12'(i3607)	87 lb	349 lb	-	-
Point	4' 0" :-	-	G24'(i3572)	84 lb	356 / -23 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



## Member Report

Label: M3-2 | Design Tag: i3553

**Design Passed**

**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*

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### Member Report

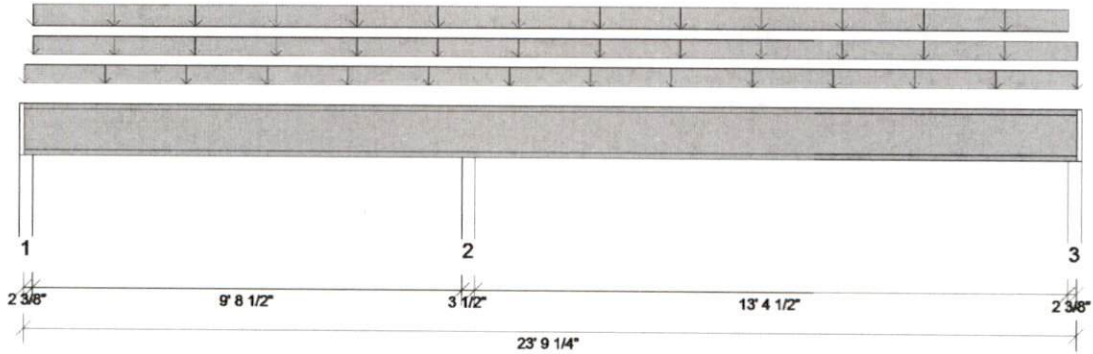
Floor Container: FC4 | Label: G24'-2 | Design Tag: i3522

**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 2018      Design Methodology: ASD      Member Cut Length: 23' 9 1/4"      Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	3531 lb @ 10' 0 5/8"	4934 lb (3.5")	Passed - 72%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1590 lb @ 10' 2 3/8"	4474 lb	Passed - 36%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	-4385 lb-ft @ 10' 0 5/8"	10327 lb-ft	Passed - 42%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.07" @ 17' 4 13/16"	0.34" L/480	Passed - L/999	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.15" @ 17' 6 1/16"	0.68" 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 at 6-00-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 5-06-00 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 1-04-00 o.c. spacing.

**Supports:**

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 2 3/8"	1.75"	B17(i2295)	378 lb	248 / -72 lb	-	329 lb
2	9' 10 7/8" : 10' 2 3/8"	3.5"	B18(i2303)	1826 lb	800 lb	-	1313 lb
3	23' 6 7/8" : 23' 9 1/4"	-	-	673 lb	319 / -21 lb	-	493 lb
++>	23' 8 1/4" : -	1.75"	B70(i2451)	579 lb	275 / -18 lb	-	424 lb
++>	23' 9 1/16" : -	-	B68(i2442)	94 lb	44 / -3 lb	-	69 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	0" : 23' 9 1/4"	-	FC4 Floor Decking	13 lb/ft	53 lb/ft	-	-
Uniform	2 3/8" : 23' 9 1/4"	-	B59(i2349)	65 lb/ft	-	-	-
Uniform	2 3/8" : 23' 6 7/8"	-	B59(i2349)	44 lb/ft	-	-	88 lb/ft

**Errors, Warnings, & Notes:**

- \* NOTE: Necessity of intermediate bearing accessories should be reviewed.
- \* This member was designed as a girder member due to load and/or framing conditions. TJI-Pro™ Rating, and other joist member modifiers were not used in the design of this member.



## Member Report

Floor Container: FC4 | Label: G24'-2 | Design Tag: i3522

**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**

- \* 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

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**Member Report**

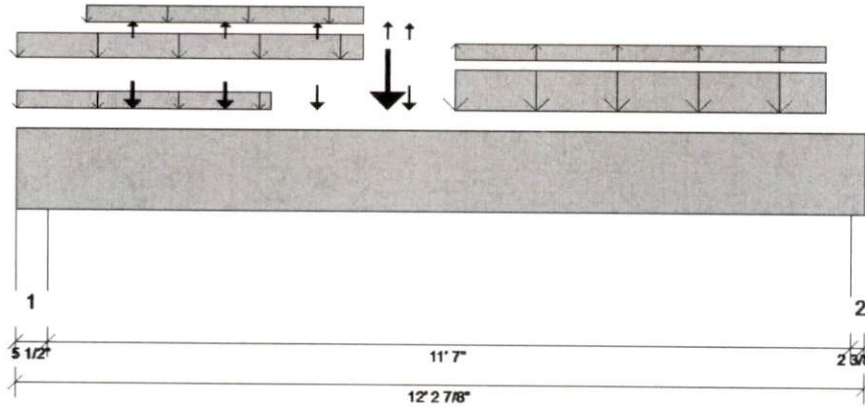
Label: M1-2 | Design Tag: i3516

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

Member Type: Beam | Level: 2nd Floor

Design Passed

Product is Sufficient for Application and Loads Described



Building Code: IBC 2018

Design Methodology: ASD

Member Cut Length: 12' 2 7/8"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDF	Load Combination - (Load Group)
Critical Reaction	3479 lb @ 12' 2"	3525 lb (2.37")	Passed - 99%	-	1.0 D + 1.0 L - (1)
Shear	3529 lb @ 1' 5 3/8"	7897 lb	Passed - 45%	1.00	1.0 D + 1.0 L - (1)
Moment	12655 lb-ft @ 5' 4 1/4"	17848 lb-ft	Passed - 71%	1.00	1.0 D + 1.0 L - (1)
Live Load Deflection	0.22" @ 6' 3"	0.39" L/360	Passed - L/647	-	1.0 D + 1.0 L - (1)
Total Load Deflection	0.35" @ 6' 2 5/16"	0.59" L/240	Passed - L/408	-	1.0 D + 1.0 L - (1)

**Design Notes:**

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

\* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 12-03-00 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
1	0" : 5 1/2"	2.61"	B31(i2316)	1284 lb	2582 lb	-	527 lb
2	12' 0 1/2" : 12' 2 7/8"	2.34"	B69(i2450)	1090 lb	2397 lb	-	391 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Self Weight	0" : 12' 2 7/8"	-	Self Weight	11 lb/ft	-	-	-
Uniform	0" : 3' 8"	-	Smoothed Load	51 lb/ft	-	-	-
Uniform	6' 4" : 11' 8"	-	Smoothed Load	107 lb/ft	449 / -24 lb/ft	-	-
Tapered	0" : 5' 0"	-	Smoothed Load	-	204 To 216 lb/ft	-	-
Tapered	1' 0" : 5' 0"	-	Smoothed Load	47 To 45 lb/ft	-	-	-
Point	1' 8" :-	-	G26'(i3509)	-	320 / -31 lb	-	-
Point	3' 0" :-	-	G26'(i3521)	-	320 / -31 lb	-	-
Point	4' 4" :-	-	G10'(i3563)	-	237 lb	-	-
Point	4' 4" :-	-	G26'(i3605)	54 lb	-27 lb	-	-
Point	5' 4 1/4" :-	-	G26'-2(i3564)	562 lb	160 / -61 lb	-	465 lb
Point	5' 4 1/4" :-	-	G10'-2(i3603)	562 lb	134 lb	-	428 lb
Point	5' 4 1/4" :-	-	B61(i2347)	32 lb	-	-	26 lb
Point	5' 8" :-	-	G26'(i3586)	45 lb	197 / -19 lb	-	-
Point	5' 8" :-	-	G10'(i3530)	41 lb	166 lb	-	-



## Member Report

Label: M1-2 | Design Tag: i3516

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

Member Type: Beam | Level: 2nd Floor

Design Passed

*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

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### Member Report

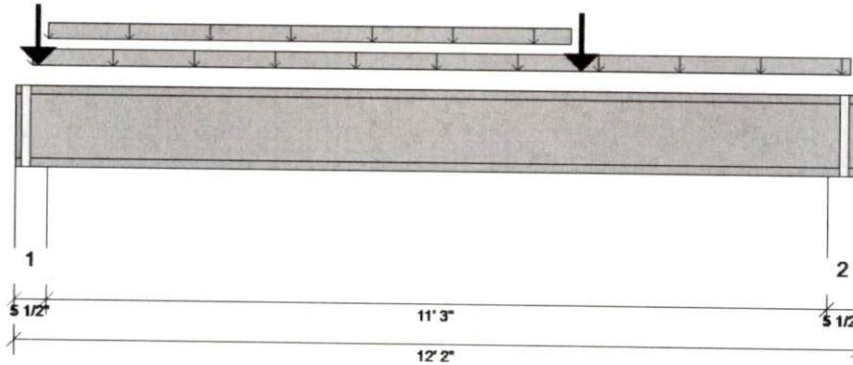
Floor Container: FC4 | Label: G14'-2 | Design Tag: i3508

**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 2018

Design Methodology: ASD

Member Cut Length: 12' 2"

Member Drawing Not to Scale

Design Results:	Design @ Location	Allowed	Result	LDf	Load Combination - (Load Group)
Critical Reaction	1589 lb @ 4 1/2"	3358 lb (3.5")	Passed - 47%	1.15	1.0 D + 1.0 S - (0)
Shear	800 lb @ 11' 8 1/2"	4474 lb	Passed - 18%	1.15	1.0 D + 1.0 S - (0)
Moment	2875 lb-ft @ 8' 1 3/4"	10327 lb-ft	Passed - 28%	1.15	1.0 D + 1.0 S - (0)
Live Load Deflection	0.04" @ 8' 0"	0.29" L/480	Passed - L/999	-	1.0 D + 1.0 S - (0)
Total Load Deflection	0.07" @ 6' 6 3/4"	0.57" L/240	Passed - L/999	-	1.0 D + 1.0 S - (0)
TJ Pro Rating	69	35	Passed		

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

#### Design Notes:

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 6-10-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 12-02-00 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 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
1	0" : 5 1/2"	1.75"	B42(i2327)	615 lb	155 lb	-	973 lb
2	11' 8 1/2" : 12' 2"	1.75"	B25(i2310)	334 lb	160 lb	-	469 lb

#### Loads:

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	2 3/4" : 12' 0 1/4"	-	FC4 Floor Decking	7 lb/ft	27 lb/ft	-	-
Uniform	5 1/2" : 8' 0"	-	FC4 Floor Decking	7 lb/ft	-	-	-
Point	3 3/4" : -	-	B63(i2350)	413 lb	-	-	753 lb
Point	8' 1 3/4" : -	-	B64(i2351)	406 lb	-	-	689 lb

#### Errors, Warnings, & Notes:

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



## Member Report

Floor Container: FC4 | Label: G14'-2 | Design Tag: i3508

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | Level: 2nd Floor

*Product is Sufficient for Application and Loads Described*

**Design Passed**

- \* 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

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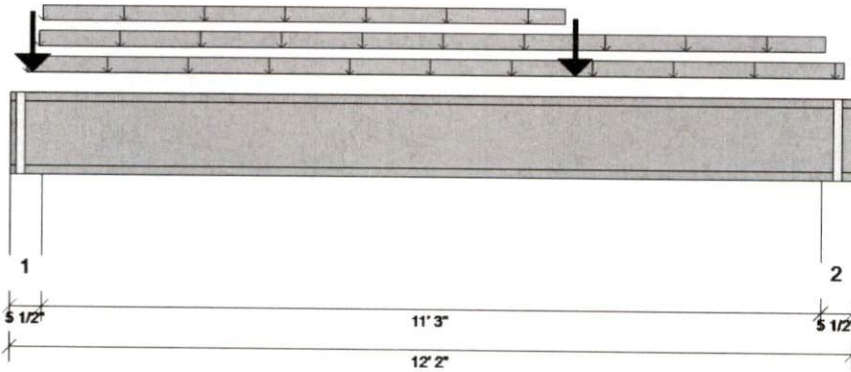
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### Member Report

Floor Container: FC4 | Label: G14'-2 | Design Tag: i3507

**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 2018

Design Methodology: ASD

Member Cut Length: 12' 2"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	2514 lb @ 4 1/2"	3358 lb (3.5")	Passed - 75%	1.15	1.0 D + 1.0 S - (0)
Shear	1241 lb @ 11' 8 1/2"	4474 lb	Passed - 28%	1.15	1.0 D + 1.0 S - (0)
Moment	4486 lb-ft @ 8' 1 3/4"	10327 lb-ft	Passed - 43%	1.15	1.0 D + 1.0 S - (0)
Live Load Deflection	0.07" @ 8' 0"	0.29" L/480	Passed - L/999	-	1.0 D + 1.0 S - (0)
Total Load Deflection	0.11" @ 6' 7"	0.57" L/240	Passed - L/999	-	1.0 D + 1.0 S - (0)
TJ Pro Rating	69	35	Passed		

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

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 5-05-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 12-02-00 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 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
1	0" : 5 1/2"	2.09"	B42(i2327)	913 lb	134 lb	-	1601 lb
2	11' 8 1/2" : 12' 2"	1.75"	B25(i2310)	471 lb	136 lb	-	770 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	2 3/4" : 12' 0 1/4"	-	FC4 Floor Decking	3 lb/ft	12 lb/ft	-	-
Uniform	4 15/16" : 11' 9 1/16"	-	FC4 Floor Decking	3 lb/ft	11 lb/ft	-	-
Uniform	5 1/2" : 8' 0"	-	FC4 Floor Decking	5 lb/ft	-	-	-
Point	3 3/4" : -	-	B63(i2350)	655 lb	-	-	1239 lb
Point	8' 1 3/4" : -	-	B64(i2351)	623 lb	-	-	1132 lb

**Errors, Warnings, & Notes:**

 File Name: SR-309891  
 KRAKOWSKI RESIDENCE  
 REVISION DATE  
 REVISION COMMENTS

Javelin® Software 6.5.0.467

Design Engine: V8.1.7.10

Data: V8.0.2.0

10/26/2022 9:25:27 AM

Page 1 of 2



## Member Report

Floor Container: FC4 | Label: G14'-2 | Design Tag: i3507

**2 piece(s) of 14" TJI® 210 joist**

Member Type: FloorJoist | 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.
- \* 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

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### Member Report

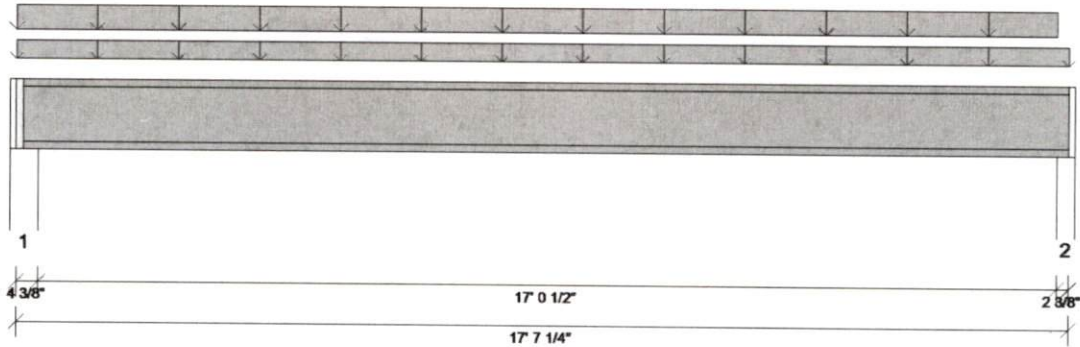
Floor Container: FC4 | Label: G18'-2 | Design Tag: i3440

**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 2018

Design Methodology: ASD

Member Cut Length: 17' 7 1/4"

Member Drawing Not to Scale

<b>Design Results:</b>	<b>Design @ Location</b>	<b>Allowed</b>	<b>Result</b>	<b>LDF</b>	<b>Load Combination - (Load Group)</b>
Critical Reaction	2010 lb @ 17' 6 3/8"	2678 lb (2.37")	Passed - 75%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Shear	1998 lb @ 17' 4 7/8"	4474 lb	Passed - 45%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Moment	8765 lb-ft @ 8' 10 5/8"	10327 lb-ft	Passed - 85%	1.15	1.0 D + 0.75 L + 0.75 S - (0)
Live Load Deflection	0.26" @ 8' 10 5/8"	0.43" L/480	Passed - L/795	-	1.0 D + 0.75 L + 0.75 S - (0)
Total Load Deflection	0.58" @ 8' 10 5/8"	0.86" L/240	Passed - L/359	-	1.0 D + 0.75 L + 0.75 S - (0)

**Design Notes:**

- \* Top Edge Bracing (Lu): Top compression edge must be braced at 3-09-00 o/c based on loads applied, unless detailed otherwise.
- \* Bottom Edge Bracing (Lu): Bottom compression edge must be braced at 17-07-00 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 1-04-00 o.c. spacing.

**Supports:**

Support	Start : End	Req'd Br'g	Source	Maximum Loads to Supports			
				Dead	Floor Live	Roof Live	Snow
1	0" : 4 3/8"	1.75"	B25(i2310)	1083 lb	477 lb	-	779 lb
2	17' 4 7/8" : 17' 7 1/4"	1.75"	B10(i2290)	1050 lb	470 lb	-	754 lb

**Loads:**

Type	Start : End	Combine	Source	Maximum Loads on Member			
				Dead	Floor Live	Roof Live	Snow
Uniform	0" : 17' 7 1/4"	-	FC4 Floor Decking	14 lb/ft	54 lb/ft	-	-
Uniform	-0" : 17' 4 7/8"	-	B59(i2349)	109 lb/ft	-	-	88 lb/ft

**Errors, Warnings, & Notes:**

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



### Member Report

Floor Container: FC4 | Label: G18'-2 | Design Tag: i3440

**Design Passed**

**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*

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