Boise Cascade

Double 1-3/4" x 9-1/4" VERSA-LAM® 2.0 3100 SP

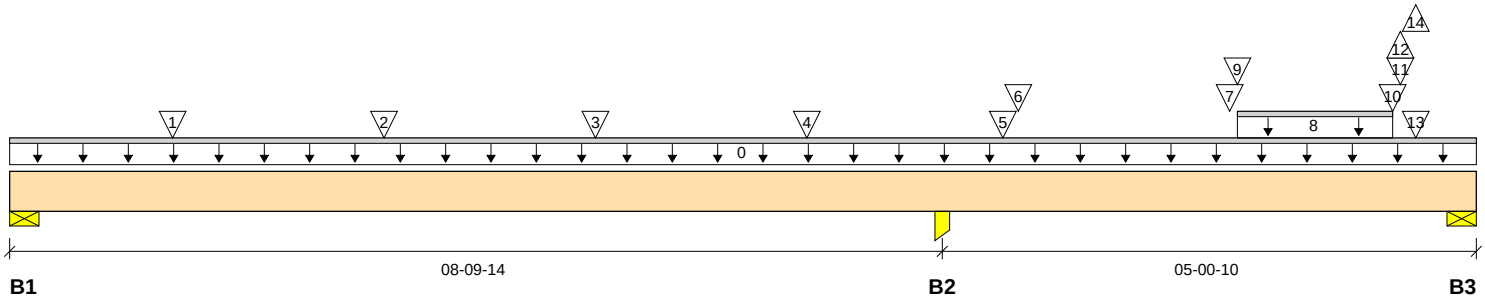
PASSED

2nd Floor\Dropped Beams\DB1-2(i14664) (Floor Beam)

BC CALC® Member Report — Dry | 2 spans | No cant. — October 10, 2019 15:24:52

Build 7295

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Dropped Beams\DB1-2(i14664)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	



Total Horizontal Product Length = 13-10-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 8-1/2"	2433 / 79	822 / 0			
B2, 5-1/2"	5760 / 0	2008 / 0			
B3, 5-1/2"	986 / 832	112 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	13-10-08	Top		9				00-00-00
1	FJ-5(i14556)	Conc. Pt. (lbs)	L	01-06-08	01-06-08	Top	1383	461				n\a
2	FJ-6(i14671)	Conc. Pt. (lbs)	L	03-06-08	03-06-08	Top	1383	461				n\a
3	FJ-6(i14661)	Conc. Pt. (lbs)	L	05-06-08	05-06-08	Top	1383	461				n\a
4	FJ-6(i14573)	Conc. Pt. (lbs)	L	07-06-08	07-06-08	Top	1352	449				n\a
5	FJ-7(i14549)	Conc. Pt. (lbs)	L	09-04-12	09-04-12	Top	313	135				n\a
6	FJ-6(i14564)	Conc. Pt. (lbs)	L	09-06-08	09-06-08	Top	994	310				n\a
7	FJ-6(i14562)	Conc. Pt. (lbs)	L	11-06-08	11-06-08	Top	1308	431				n\a
8	Bk1(i14563)	Unf. Lin. (lb/ft)	L	11-07-06	13-01-00	Top	6	2				n\a
9	Bk1(i14563)	Conc. Pt. (lbs)	L	11-07-06	11-07-06	Top	0	0				n\a
10	Bk1(i14563)	Conc. Pt. (lbs)	L	13-01-00	13-01-00	Top	0	0				n\a
11	FJ-7(i14545)	Conc. Pt. (lbs)	L	13-01-14	13-01-14	Top	116	83				n\a
12	FJ-7(i14545)	Conc. Pt. (lbs)	L	13-01-14	13-01-14	Top	-2					n\a
13	FJ-7(i14579)	Conc. Pt. (lbs)	L	13-03-10	13-03-10	Top	53	18				n\a
14	FJ-7(i14579)	Conc. Pt. (lbs)	L	13-03-10	13-03-10	Top	-25					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	5681 ft-lbs	43.5%	100%	3	03-06-08
Neg. Moment	-5916 ft-lbs	45.8%	100%	1	08-09-14
End Shear	3241 lbs	52.7%	100%	3	01-05-12
Cont. Shear	4231 lbs	68.8%	100%	1	07-09-14
Total Load Deflection	L/999 (0.125")	n\a	n\a	3	04-05-00
Live Load Deflection	L/999 (0.095")	n\a	n\a	7	04-05-00
Total Neg. Defl.	L/999 (-0.023")	n\a	n\a	3	10-08-03
Max Defl.	0.125"	n\a	n\a	3	04-05-00
Span / Depth	10.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	8-1/2" x 3-1/2"	3255 lbs	15.1%	14.6%	Unspecified
B2	Column	5-1/2" x 3-1/2"	7768 lbs	55.7%	53.8%	Unspecified
B3	Wall/Plate	5-1/2" x 3-1/2"	1098 lbs	7.9%	7.6%	Unspecified

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Dropped Beams\DB1-2(i14664)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B3	Uplift	720 lbs			

Cautions

Uplift of -720 lbs found at bearing B3.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Design meets arbitrary (1.5") Maximum Total load deflection criteria.
Calculations assume unbraced length of Top: 01-10-04, Bottom: 01-10-04.
BC CALC® analysis is based on IBC 2015.
Design based on Dry Service Condition.

Disclosure

Double 1-3/4" x 9-1/4" VERSA-LAM® 2.0 3100 SP

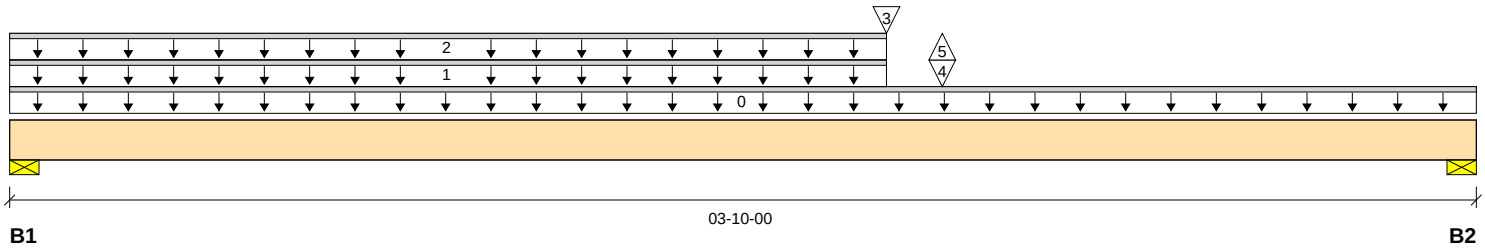
PASSED

2nd Floor\Dropped Beams\DB2-2(i14636) (Floor Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — October 10, 2019 15:24:52

Build 7295

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Dropped Beams\DB2-2(i14636)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	



Total Horizontal Product Length = 03-10-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-1/2"	192 / 12	558 / 0			
B2, 3-15/16"	310 / 24	844 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	03-10-00	Top		9				00-00-00
1	Rim1(i14623)	Unf. Lin. (lb/ft)	L	00-00-00	02-03-08	Top		65				n\a
2	Rim1(i14623)	Unf. Lin. (lb/ft)	L	00-00-00	02-03-08	Top	19	8				n\a
3	Rim1(i14623)	Conc. Pt. (lbs)	L	02-03-08	02-03-08	Top	6	1				n\a
4	FB2-2(i14621)	Conc. Pt. (lbs)	L	02-05-04	02-05-04	Top	452	1197				n\a
5	FB2-2(i14621)	Conc. Pt. (lbs)	L	02-05-04	02-05-04	Top	-36					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1295 ft-lbs	9.8%	100%	1	02-05-04
End Shear	1144 lbs	18.6%	100%	1	02-08-13
Total Load Deflection	L/999 (0.004")	n\a	n\a	1	02-00-08
Live Load Deflection	L/999 (0.001")	n\a	n\a	3	02-00-15
Max Defl.	0.004"	n\a	n\a	1	02-00-08
Span / Depth	4.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-1/2" x 3-1/2"	750 lbs	6.6%	6.3%	Unspecified
B2	Wall/Plate	3-15/16" x 3-1/2"	1155 lbs	11.6%	11.2%	Unspecified

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Design meets arbitrary (1.5") Maximum Total load deflection criteria.
Calculations assume unbraced length of Top: 00-11-02, Bottom: 00-11-02.
BC CALC® analysis is based on IBC 2015.
Design based on Dry Service Condition.

Disclosure

Boise Cascade

Single 1-3/4" x 14" VERSA-LAM® 2.0 3100 SP

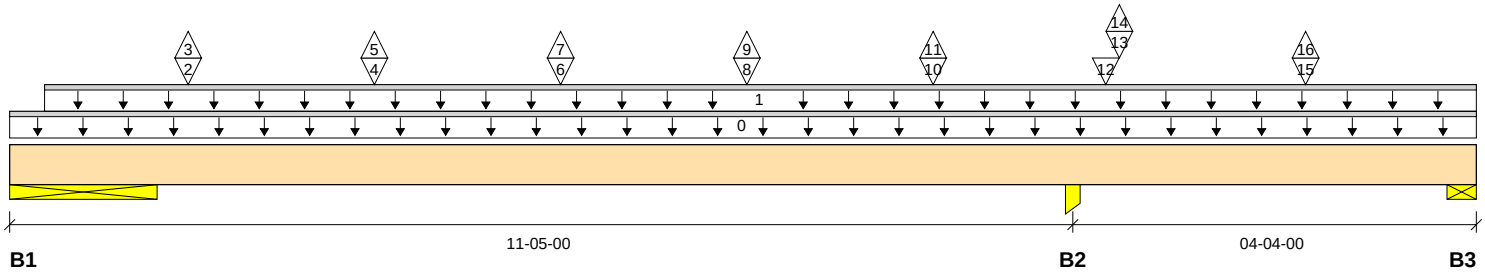
PASSED

2nd Floor\Floor Beams\FB1(i14683) (Floor Beam)

BC CALC® Member Report — Dry | 2 spans | No cant. — October 10, 2019 15:24:52

Build 7295

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Floor Beams\FB1(i14683)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	



Total Horizontal Product Length = 15-09-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 19"	1313 / 100	638 / 0			
B2, 4-1/2"	2764 / 176	1303 / 0			
B3, 3-1/2"	361 / 579	0 / 53			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	15-09-00	Top		7				00-00-00
1	E31(i8186)	Unf. Lin. (lb/ft)	L	00-04-08	15-09-00	Top		57				n\a
2	FJ-5(i14568)	Conc. Pt. (lbs)	L	01-11-00	01-11-00	Front	548	129				n\a
3	FJ-5(i14568)	Conc. Pt. (lbs)	L	01-11-00	01-11-00	Front	-35					n\a
4	FJ-5(i14556)	Conc. Pt. (lbs)	L	03-11-00	03-11-00	Front	548	129				n\a
5	FJ-5(i14556)	Conc. Pt. (lbs)	L	03-11-00	03-11-00	Front	-35					n\a
6	FJ-6(i14671)	Conc. Pt. (lbs)	L	05-11-00	05-11-00	Front	548	129				n\a
7	FJ-6(i14671)	Conc. Pt. (lbs)	L	05-11-00	05-11-00	Front	-35					n\a
8	FJ-6(i14661)	Conc. Pt. (lbs)	L	07-11-00	07-11-00	Front	548	129				n\a
9	FJ-6(i14661)	Conc. Pt. (lbs)	L	07-11-00	07-11-00	Front	-35					n\a
10	FJ-6(i14573)	Conc. Pt. (lbs)	L	09-11-00	09-11-00	Front	528	124				n\a
11	FJ-6(i14573)	Conc. Pt. (lbs)	L	09-11-00	09-11-00	Front	-35					n\a
12	FJ-7(i14549)	Conc. Pt. (lbs)	L	11-09-04	11-09-04	Front	319	80				n\a
13	FJ-6(i14564)	Conc. Pt. (lbs)	L	11-11-00	11-11-00	Front	294	65				n\a
14	FJ-6(i14564)	Conc. Pt. (lbs)	L	11-11-00	11-11-00	Front	-35					n\a
15	FJ-6(i14562)	Conc. Pt. (lbs)	L	13-11-00	13-11-00	Front	495	116				n\a
16	FJ-6(i14562)	Conc. Pt. (lbs)	L	13-11-00	13-11-00	Front	-36					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3289 ft-lbs	22.7%	100%	3	05-11-00
Neg. Moment	-3611 ft-lbs	24.9%	100%	1	11-05-00
End Shear	1118 lbs	24.0%	100%	3	02-09-00
Cont. Shear	2050 lbs	44.0%	100%	1	10-00-12
Total Load Deflection	L/999 (0.06")	n\a	n\a	3	06-00-08
Live Load Deflection	L/999 (0.041")	n\a	n\a	7	06-00-08
Total Neg. Defl.	L/999 (-0.007")	n\a	n\a	3	13-01-09
Max Defl.	0.06"	n\a	n\a	3	06-00-08
Span / Depth	8.5				
Dist. Load (B1)	56.90 lb/ft	0.4%	90%		

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	19" x 1-3/4"	1950 lbs	13.8%	7.8%	Unspecified

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Floor Beams\FB1(i14683)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B2	Column	4-1/2" x 1-3/4"	4067 lbs	71.2%	68.9%	Unspecified
B3	Wall/Plate	3-1/2" x 1-3/4"	308 lbs	11.8%	6.7%	Unspecified
B3	Uplift		632 lbs			

Cautions

Uplift of -632 lbs found at bearing B3.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Design meets arbitrary (1.5") Maximum Total load deflection criteria.
Calculations assume member is fully braced.
BC CALC® analysis is based on IBC 2015.
Design based on Dry Service Condition.

Disclosure

Boise Cascade

Double 1-3/4" x 14" VERSA-LAM® 2.0 3100 SP

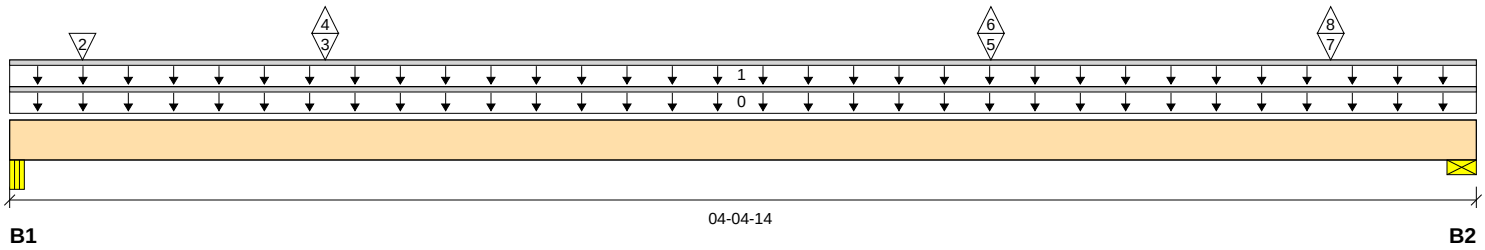
PASSED

2nd Floor\Floor Beams\FB2-2(i14621) (Floor Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — October 10, 2019 15:24:52

Build 7295

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Floor Beams\FB2-2(i14621)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	



Total Horizontal Product Length = 04-04-14

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-3/8"	452 / 36	1152 / 0			
B2, 7-1/2"	708 / 48	384 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	04-04-14	Top		14				00-00-00
1	E27(i7309)	Unf. Lin. (lb/ft)	L	00-00-00	04-04-14	Top		65				n\a
2	E28(i7311)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top		867				n\a
3	FJ-4(i14650)	Conc. Pt. (lbs)	L	00-11-06	00-11-06	Front	430	117				n\a
4	FJ-4(i14650)	Conc. Pt. (lbs)	L	00-11-06	00-11-06	Front	-37					n\a
5	FJ-3(i14622)	Conc. Pt. (lbs)	L	02-11-06	02-11-06	Front	439	126				n\a
6	FJ-3(i14622)	Conc. Pt. (lbs)	L	02-11-06	02-11-06	Front	-28					n\a
7	FJ-3(i14658)	Conc. Pt. (lbs)	L	03-11-10	03-11-10	Front	291	78				n\a
8	FJ-3(i14658)	Conc. Pt. (lbs)	L	03-11-10	03-11-10	Front	-19					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	588 ft-lbs	2.0%	100%	1	02-04-12
End Shear	420 lbs	4.5%	100%	1	02-07-06
Total Load Deflection	L/999 (0.001")	n\a	n\a	1	02-00-06
Live Load Deflection	L/999 (0.001")	n\a	n\a	3	02-00-06
Max Defl.	0.001"	n\a	n\a	1	02-00-06
Span / Depth	3.1				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	3-3/8" x 3-1/2"	1604 lbs	18.1%	18.1%	Unspecified
B2	Wall/Plate	7-1/2" x 3-1/2"	1092 lbs	9.8%	5.5%	Unspecified

Cautions

Distributed side-load and/or concentrated side loads exceeds allowable magnitude for connection design. Please consult a technical representative or Professional Engineer for the design of the connection.

Boise Cascade

Double 1-3/4" x 14" VERSA-LAM® 2.0 3100 SP

PASSED

2nd Floor\Floor Beams\FB2-2(i14621) (Floor Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — October 10, 2019 15:24:52
Build 7295

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Floor Beams\FB2-2(i14621)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Design meets arbitrary (1.5") Maximum Total load deflection criteria.
Calculations assume member is fully braced.
BC CALC® analysis is based on IBC 2015.
Design based on Dry Service Condition.

Disclosure

Boise Cascade

Triple 1-3/4" x 18" VERSA-LAM® 2.0 3100 SP

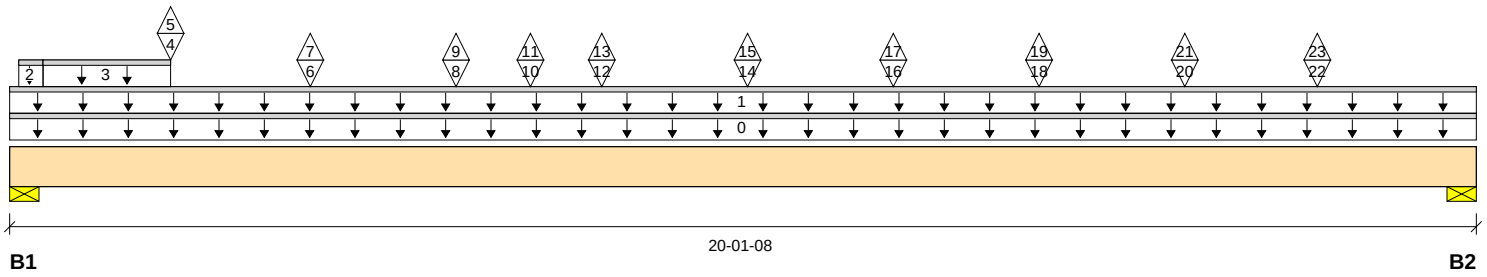
PASSED

2nd Floor\Floor Beams\FB3-3(i14640) (Floor Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — October 10, 2019 15:24:52

Build 7295

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Floor Beams\FB3-3(i14640)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	



Total Horizontal Product Length = 20-01-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 5-1/2"	1995 / 431	1457 / 0			
B2, 5-1/2"	2071 / 560	1312 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	20-01-08	Top		27				00-00-00
1	E22(i7303)	Unf. Lin. (lb/ft)	L	00-00-00	20-01-08	Top		65				n\a
2	FC2 Floor Material	Unf. Lin. (lb/ft)	L	00-01-08	00-05-08	Top	9	2				n\a
3	FC2 Floor Material	Unf. Lin. (lb/ft)	L	00-05-08	02-02-08	Top	9	2				n\a
4	FJ-8(i14544)	Conc. Pt. (lbs)	L	02-02-08	02-02-08	Back	368	115				n\a
5	FJ-8(i14544)	Conc. Pt. (lbs)	L	02-02-08	02-02-08	Back	-1					n\a
6	FJ-4(i14650)	Conc. Pt. (lbs)	L	04-01-08	04-01-08	Back	454	77				n\a
7	FJ-4(i14650)	Conc. Pt. (lbs)	L	04-01-08	04-01-08	Back	-95					n\a
8	FJ-3(i14622)	Conc. Pt. (lbs)	L	06-01-08	06-01-08	Back	350	48				n\a
9	FJ-3(i14622)	Conc. Pt. (lbs)	L	06-01-08	06-01-08	Back	-96					n\a
10	FJ-3(i14658)	Conc. Pt. (lbs)	L	07-01-12	07-01-12	Back	232	314				n\a
11	FJ-3(i14658)	Conc. Pt. (lbs)	L	07-01-12	07-01-12	Back	-64					n\a
12	FJ-1(i14648)	Conc. Pt. (lbs)	L	08-01-08	08-01-08	Back	345	50				n\a
13	FJ-1(i14648)	Conc. Pt. (lbs)	L	08-01-08	08-01-08	Back	-96					n\a
14	FJ-2(i14624)	Conc. Pt. (lbs)	L	10-01-08	10-01-08	Back	464	67				n\a
15	FJ-2(i14624)	Conc. Pt. (lbs)	L	10-01-08	10-01-08	Back	-129					n\a
16	FJ-2(i14654)	Conc. Pt. (lbs)	L	12-01-08	12-01-08	Back	464	58				n\a
17	FJ-2(i14654)	Conc. Pt. (lbs)	L	12-01-08	12-01-08	Back	-129					n\a
18	FJ-2(i14643)	Conc. Pt. (lbs)	L	14-01-08	14-01-08	Back	464	50				n\a
19	FJ-2(i14643)	Conc. Pt. (lbs)	L	14-01-08	14-01-08	Back	-129					n\a
20	FJ-2(i14651)	Conc. Pt. (lbs)	L	16-01-08	16-01-08	Back	442	64				n\a
21	FJ-2(i14651)	Conc. Pt. (lbs)	L	16-01-08	16-01-08	Back	-123					n\a
22	FJ-2(i14634)	Conc. Pt. (lbs)	L	17-11-05	17-11-05	Back	464	62				n\a
23	FJ-2(i14634)	Conc. Pt. (lbs)	L	17-11-05	17-11-05	Back	-129					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	17627 ft-lbs	25.2%	100%	1	10-01-08
End Shear	3250 lbs	18.1%	100%	1	01-11-08
Total Load Deflection	L/1003 (0.231")	23.9%	n\a	1	10-01-08
Live Load Deflection	L/1638 (0.142")	22.0%	n\a	3	10-01-08
Max Defl.	0.231"	15.4%	n\a	1	10-01-08
Span / Depth	12.9				

Boise Cascade

Triple 1-3/4" x 18" VERSA-LAM® 2.0 3100 SP

PASSED

2nd Floor\Floor Beams\FB3-3(i14640) (Floor Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — October 10, 2019 15:24:52
Build 7295

Job name:	HDL002	File name:	
Address:		Description:	2nd Floor\Floor Beams\FB3-3(i14640)
City, State, Zip:		Specifier:	
Builder:	A&G Residential	Designer:	
Code reports:	ESR-1040	Company:	

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	5-1/2" x 5-1/4"	3451 lbs	16.5%	15.9%	Unspecified
B2	Wall/Plate	5-1/2" x 5-1/4"	3382 lbs	16.2%	15.6%	Unspecified

Cautions

Distributed side-load and/or concentrated side loads 4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23 exceeds allowable magnitude for connection design. Please consult a technical representative or Professional Engineer for the design of the connection.

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Design meets arbitrary (1.5") Maximum Total load deflection criteria.
Calculations assume member is fully braced.
BC CALC® analysis is based on IBC 2015.
Design based on Dry Service Condition.

Disclosure

Boise Cascade

Double 2 x 10 SP #2

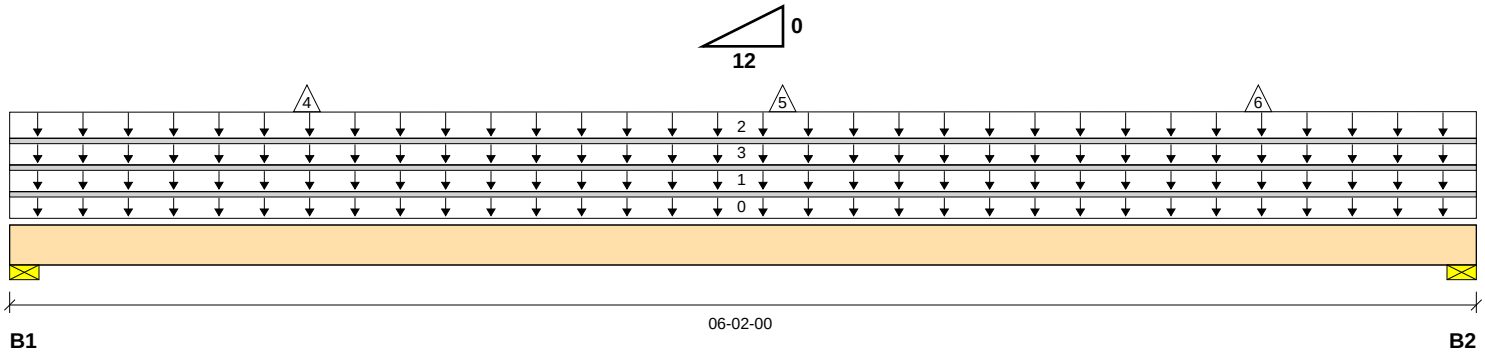
PASSED

2nd Floor\Wall Headers\E1_Hdr1(i14688) (RoofHeader)

BC CALC® Member Report — Dry | 1 span | No cant. — October 7, 2019 11:33:34

Build 7295

Job name:		File name:	
Address:		Description:	2nd Floor\Wall Headers\E1_Hdr1(i14688)
City, State, Zip:		Specifier:	
Builder:		Designer:	
Code reports:	SPIB	Company:	



Total Horizontal Product Length = 06-02-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3"	680 / 174	340 / 0			
B2, 3"	680 / 195	341 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	06-02-00	Top		6				00-00-00
1	Rim1(i14557)	Unf. Lin. (lb/ft)	L	00-00-00	06-02-00	Top		65				n\a
2	Smoothed Load	Trapezoidal (lb/ft)	L	00-00-00		Top		39				n\a
					06-02-00			39				
3	Smoothed Load	Unf. Lin. (lb/ft)	L	00-00-00	06-02-00	Top	220					n\a
4	FJ-5(i14556)	Conc. Pt. (lbs)	L	01-03-00	01-03-00	Top	-123					n\a
5	FJ-6(i14661)	Conc. Pt. (lbs)	L	03-03-00	03-03-00	Top	-123					n\a
6	FJ-6(i14661)	Conc. Pt. (lbs)	L	05-03-00	05-03-00	Top	-123					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1387 ft-lbs	52.3%	100%	1	03-01-06
End Shear	713 lbs	22.0%	100%	1	05-01-12
Total Load Deflection	L/999 (0.03")	n\a	n\a	1	03-01-06
Live Load Deflection	L/999 (0.02")	n\a	n\a	6	03-01-06
Max Defl.	0.03"	n\a	n\a	1	03-01-06
Span / Depth	7.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3" x 3"	1020 lbs	15.6%	20.1%	Unspecified
B2	Wall/Plate	3" x 3"	1020 lbs	15.6%	20.1%	Unspecified

Cautions

For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.

For roof members with slope (1/2)/12 or less final design must account for Rain-on-Snow surcharge load.

Double 2 x 10 SP #2

PASSED

2nd Floor\Wall Headers\E1_Hdr1(i14688) (RoofHeader)

BC CALC® Member Report — Dry | 1 span | No cant. — October 7, 2019 11:33:34
Build 7295

Job name:		File name:	
Address:		Description:	2nd Floor\Wall Headers\E1_Hdr1(i14688)
City, State, Zip:		Specifier:	
Builder:		Designer:	
Code reports:	SPIB	Company:	

Notes

Design meets User specified (L/240) Total load deflection criteria.
Design meets User specified (L/360) Live load deflection criteria.
Design meets arbitrary (1.5") Maximum Total load deflection criteria.
BC CALC® analysis is based on IBC 2015.
Design based on Dry Service Condition.
The analysis of solid sawn wood members is in accordance with the NDS and is limited to the output shown above. All other support and design for these products, including but not limited to notching, connections, installation, and engineer/architect certification is the responsibility of the project's design professional of record.

Disclosure