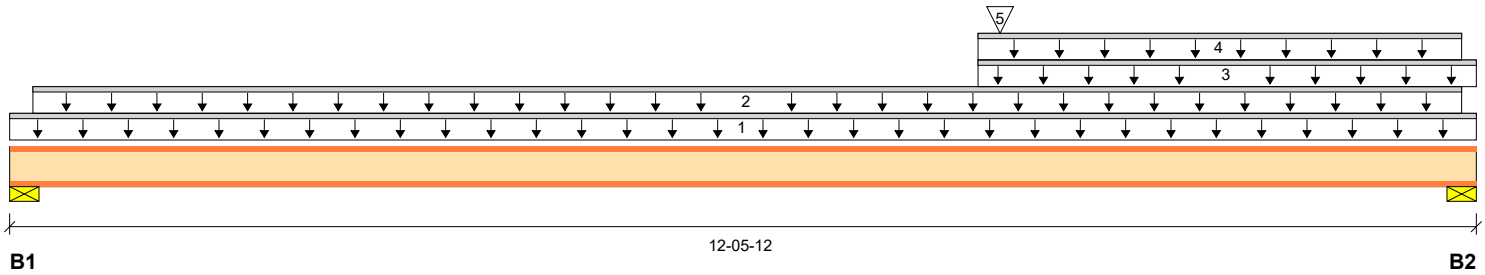
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J10-16" O.C.(i1048) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J10-16" O.C.(i1048)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	323 / 0	121 / 0			
B2, 4-3/8"	334 / 0	228 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-12	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-06	12-04-04	Top	27	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	08-02-14	12-05-12	Top		13				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	08-02-14	12-04-04	Top		13				n\a
5	18(i67)	Conc. Pt. (lbs)	L	08-05-02	08-05-02	Top		73				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1460 ft-lbs	53.6%	100%	1	06-07-13
End Reaction	562 lbs	49.9%	100%	1	12-05-12
End Shear	534 lbs	36.2%	100%	1	12-01-06
Total Load Deflection	L/729 (0.198")	49.4%	n\a	1	06-03-12
Live Load Deflection	L/1106 (0.131")	43.4%	n\a	2	06-02-06
Max Defl.	0.198"	19.8%	n\a	1	06-03-12
Span / Depth	15.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	444 lbs	22.0%	43.2%	Unspecified
B2	Wall/Plate	4-3/8" x 2"	562 lbs	15.1%	49.9%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

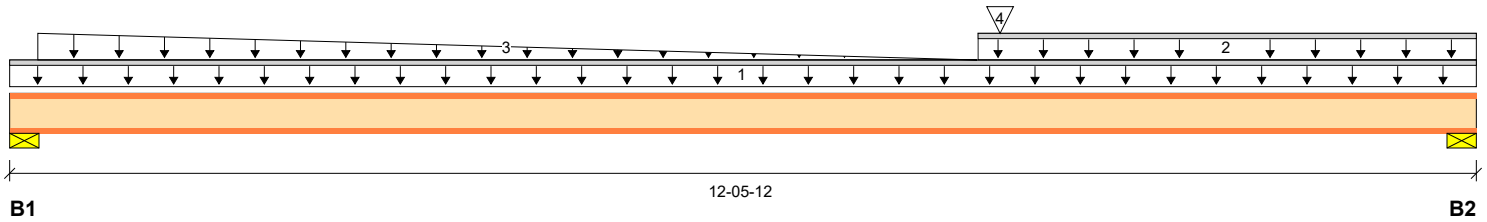
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J10-16" O.C.(i917) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J10-16" O.C.(i917)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	352 / 0	167 / 0			
B2, 4-3/8"	362 / 0	207 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-12	Top	57	14				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	08-02-14	12-05-12	Top		13				n\a
3	FC1 Floor Decking (Plan View Fill)	Trapezoidal (lb/ft)	L	00-02-14	08-02-13	Top		15 0				n\a
4	18(i67)	Conc. Pt. (lbs)	L	08-05-02	08-05-02	Top		79				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1580 ft-lbs	58.0%	100%	1	06-05-01
End Reaction	520 lbs	50.6%	100%	1	00-00-00
End Shear	537 lbs	36.4%	100%	1	12-01-06
Total Load Deflection	L/673 (0.215")	53.5%	n\a	1	06-02-06
Live Load Deflection	L/1031 (0.14")	46.6%	n\a	2	06-02-06
Max Defl.	0.215"	21.5%	n\a	1	06-02-06
Span / Depth	15.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	520 lbs	25.7%	50.6%	Unspecified
B2	Wall/Plate	4-3/8" x 2"	568 lbs	15.3%	50.5%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

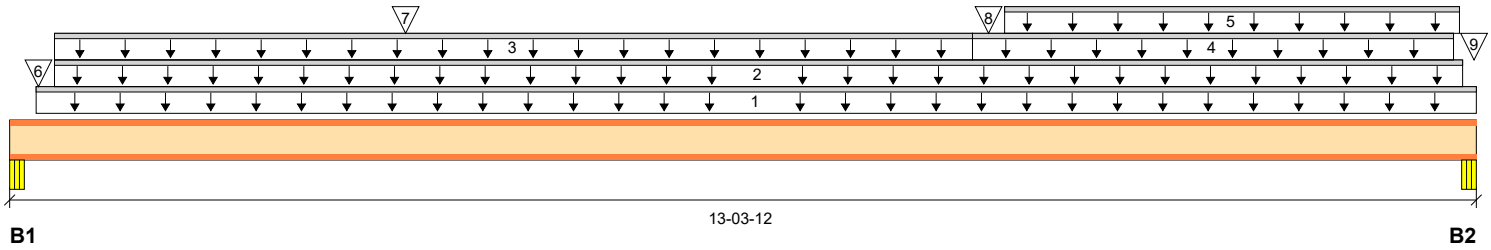
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J11-16" O.C.(i1007) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J11-16" O.C.(i1007)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 13-03-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 5-3/4"	171 / 0	216 / 0			
B2, 5-3/4"	178 / 0	412 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	13-03-12	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-04-14	13-02-04	Top		9				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-04-14	08-08-14	Top		4				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	08-08-14	13-01-05	Top		2				n\a
5	33(i84)	Unf. Lin. (lb/ft)	L	09-00-06	13-01-15	Top		57				n\a
6	12(i59)	Conc. Pt. (lbs)	L	00-03-02	00-03-02	Top		24				n\a
7	38(i85)	Conc. Pt. (lbs)	L	03-07-02	03-07-02	Top		42				n\a
8	34(i80)	Conc. Pt. (lbs)	L	08-10-10	08-10-10	Top		9				n\a
9	31(i77)	Conc. Pt. (lbs)	L	13-03-08	13-03-08	Top		73				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1199 ft-lbs	22.0%	100%	1	07-01-09
End Reaction	590 lbs	26.2%	100%	1	13-03-12
End Shear	478 lbs	16.2%	100%	1	12-10-00
Total Load Deflection	L/999 (0.097")	n\a	n\a	1	06-09-12
Live Load Deflection	L/999 (0.041")	n\a	n\a	2	06-07-13
Max Defl.	0.097"	n\a	n\a	1	06-09-12
Span / Depth	15.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	5-3/4" x 4"	387 lbs	4.1%	17.2%	Unspecified
B2	Beam	5-3/4" x 4"	590 lbs	6.3%	26.2%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J11-16" O.C.(i1007)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

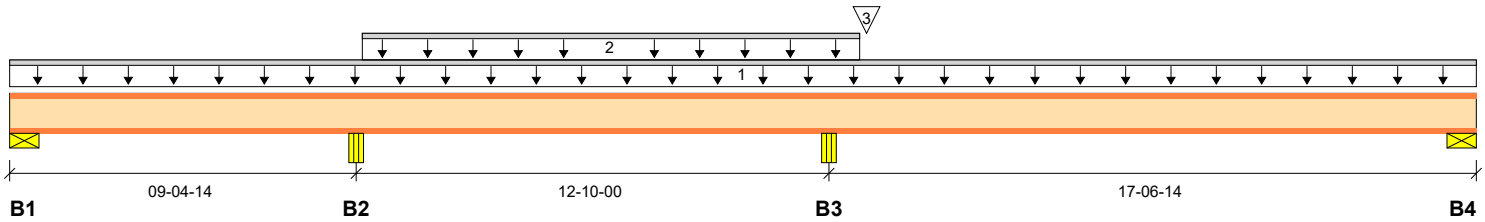
PASSED

Foundation\Floor Joists\J1-16" O.C.(i1009) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i1009)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	266 / 57	25 / 0			
B2, 5-3/4"	700 / 0	343 / 0			
B3, 5-3/4"	992 / 0	518 / 0			
B4, 4-3/8"	412 / 21	90 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	39-09-12	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	23-00-14	Top		27				n\a
3	32(i78)	Conc. Pt. (lbs)	L	23-03-02	23-03-02	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1739 ft-lbs	63.8%	100%	2	32-04-13
Neg. Moment	-2111 ft-lbs	77.5%	100%	5	22-02-14
End Reaction	502 lbs	44.6%	100%	2	39-09-12
Int. Reaction	1509 lbs	59.8%	100%	5	22-02-14
End Shear	477 lbs	32.4%	100%	2	39-05-06
Cont. Shear	769 lbs	52.1%	100%	5	22-05-12
Total Load Deflection	L/502 (0.412")	71.6%	n\a	2	31-05-05
Live Load Deflection	L/584 (0.355")	82.2%	n\a	7	31-05-05
Total Neg. Defl.	L/999 (-0.045")	n\a	n\a	2	18-06-03
Max Defl.	0.412"	41.2%	n\a	2	31-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	291 lbs	7.8%	25.9%	Unspecified
B2	Beam	5-3/4" x 2"	1043 lbs	22.3%	41.3%	Unspecified
B3	Beam	5-3/4" x 2"	1509 lbs	32.3%	59.8%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	502 lbs	13.5%	44.6%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i1009)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

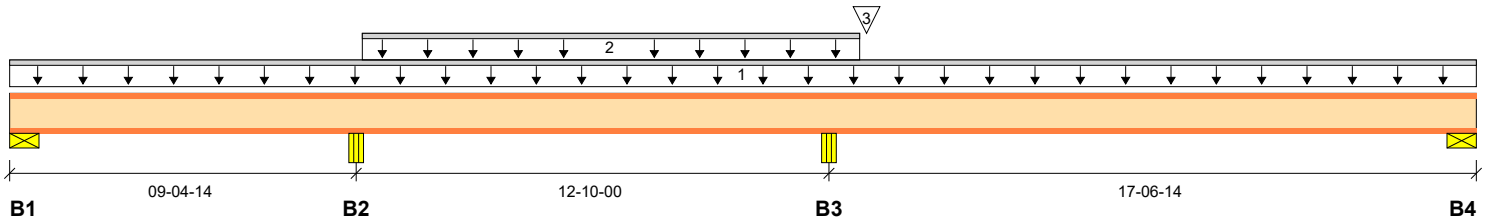
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J1-16" O.C.(i1009) - 01 (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i1009)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	266 / 57	25 / 0			
B2, 5-3/4"	700 / 0	343 / 0			
B3, 5-3/4"	992 / 0	518 / 0			
B4, 4-3/8"	412 / 21	90 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	39-09-12	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	23-00-14	Top		27				n\a
3	32(i78)	Conc. Pt. (lbs)	L	23-03-02	23-03-02	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1739 ft-lbs	63.8%	100%	2	32-04-13
Neg. Moment	-2111 ft-lbs	77.5%	100%	5	22-02-14
End Reaction	502 lbs	44.6%	100%	2	39-09-12
Int. Reaction	1509 lbs	59.8%	100%	5	22-02-14
End Shear	477 lbs	32.4%	100%	2	39-05-06
Cont. Shear	769 lbs	52.1%	100%	5	22-05-12
Total Load Deflection	L/502 (0.412")	71.6%	n\a	2	31-05-05
Live Load Deflection	L/584 (0.355")	82.2%	n\a	7	31-05-05
Total Neg. Defl.	L/999 (-0.045")	n\a	n\a	2	18-06-03
Max Defl.	0.412"	41.2%	n\a	2	31-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	291 lbs	7.8%	25.9%	Unspecified
B2	Beam	5-3/4" x 2"	1043 lbs	22.3%	41.3%	Unspecified
B3	Beam	5-3/4" x 2"	1509 lbs	32.3%	59.8%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	502 lbs	13.5%	44.6%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i1009)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

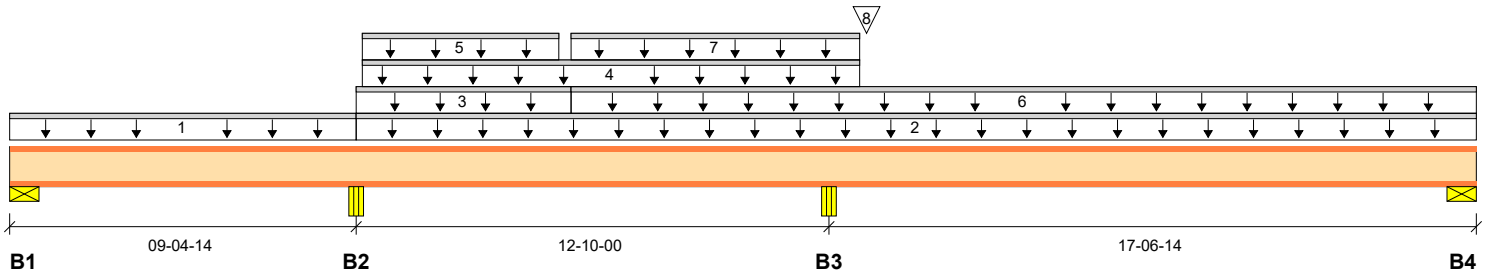
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J1-16" O.C.(i879) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i879)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	264 / 55	27 / 0			
B2, 5-3/4"	692 / 0	337 / 0			
B3, 5-3/4"	930 / 0	508 / 0			
B4, 4-3/8"	385 / 20	84 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-04-14	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-04-14	39-09-12	Top	27	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-04-14	15-02-14	Top	27	7				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	23-00-14	Top		13				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	14-10-14	Top		13				n\a
6	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	15-02-14	39-09-12	Top	23	6				n\a
7	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	15-02-14	23-00-14	Top		11				n\a
8	32(i78)	Conc. Pt. (lbs)	L	23-03-02	23-03-02	Top		94				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1628 ft-lbs	59.7%	100%	2	32-01-15
Neg. Moment	-1995 ft-lbs	73.2%	100%	5	22-02-14
End Reaction	469 lbs	41.7%	100%	2	39-09-12
Int. Reaction	1438 lbs	57.0%	100%	5	22-02-14
End Shear	446 lbs	30.3%	100%	2	39-05-06
Cont. Shear	741 lbs	50.2%	100%	5	22-05-12
Total Load Deflection	L/536 (0.387")	67.2%	n\a	2	31-05-05
Live Load Deflection	L/625 (0.332")	76.8%	n\a	7	31-05-05
Total Neg. Defl.	L/999 (-0.043")	n\a	n\a	2	18-07-03
Max Defl.	0.387"	38.7%	n\a	2	31-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	291 lbs	7.8%	25.8%	Unspecified
B2	Beam	5-3/4" x 2"	1029 lbs	22.0%	40.7%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i879)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B3	Beam	5-3/4" x 2"	1438 lbs	30.8%	57.0%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	469 lbs	12.6%	41.7%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Single 9-1/2" BCI® 5000s-1.8

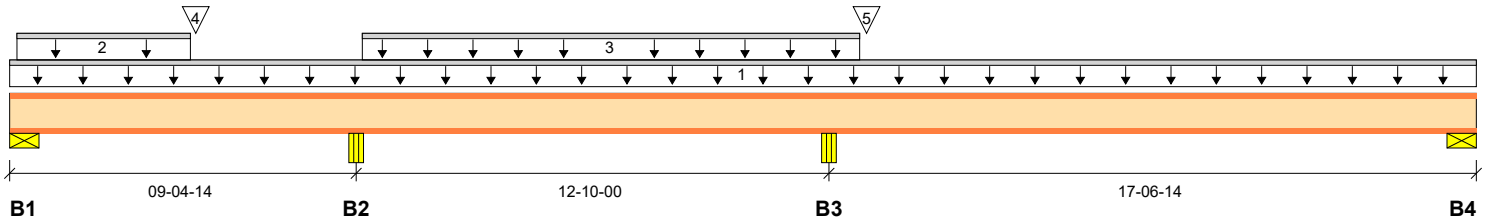
PASSED

Foundation\Floor Joists\J1-16" O.C.(i882) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i882)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	266 / 57	204 / 0			
B2, 5-3/4"	700 / 0	471 / 0			
B3, 5-3/4"	992 / 0	502 / 0			
B4, 4-3/8"	412 / 21	91 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	39-09-12	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-06	04-10-14	Top		43				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	23-00-14	Top		27				n\a
4	40(i87)	Conc. Pt. (lbs)	L	05-00-10	05-00-10	Top		93				n\a
5	32(i78)	Conc. Pt. (lbs)	L	23-03-02	23-03-02	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1751 ft-lbs	64.3%	100%	2	32-01-15
Neg. Moment	-2083 ft-lbs	76.4%	100%	5	22-02-14
End Reaction	503 lbs	44.7%	100%	2	39-09-12
Int. Reaction	1494 lbs	59.2%	100%	5	22-02-14
End Shear	479 lbs	32.5%	100%	2	39-05-06
Cont. Shear	767 lbs	52.0%	100%	5	22-05-12
Total Load Deflection	L/498 (0.416")	72.3%	n\a	2	31-05-05
Live Load Deflection	L/584 (0.355")	82.2%	n\a	7	31-05-05
Total Neg. Defl.	L/999 (-0.052")	n\a	n\a	2	18-02-02
Max Defl.	0.416"	41.6%	n\a	2	31-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	470 lbs	12.7%	41.8%	Unspecified
B2	Beam	5-3/4" x 2"	1171 lbs	25.1%	46.4%	Unspecified
B3	Beam	5-3/4" x 2"	1494 lbs	32.0%	59.2%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	503 lbs	13.5%	44.7%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i882)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

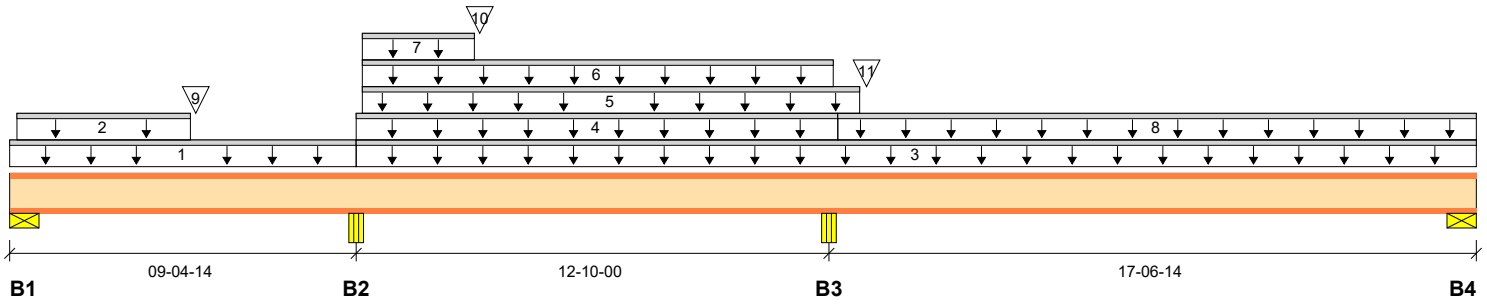
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J1-16" O.C.(i883) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i883)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	266 / 48	86 / 0			
B2, 5-3/4"	636 / 0	547 / 0			
B3, 5-3/4"	935 / 0	465 / 0			
B4, 4-3/8"	412 / 17	90 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-04-14	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-06	04-10-14	Top		14				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-04-14	39-09-12	Top	27	7				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-04-14	22-05-12	Top	18	5				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	23-00-14	Top		13				n\a
6	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	22-04-04	Top		9				n\a
7	39(i86)	Unf. Lin. (lb/ft)	L	09-06-14	12-07-06	Top		57				n\a
8	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-05-12	39-09-12	Top	27	7				n\a
9	40(i87)	Conc. Pt. (lbs)	L	05-00-10	05-00-10	Top		56				n\a
10	38(i85)	Conc. Pt. (lbs)	L	12-09-02	12-09-02	Top		24				n\a
11	32(i78)	Conc. Pt. (lbs)	L	23-03-02	23-03-02	Top		53				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1737 ft-lbs	63.8%	100%	2	32-04-13
Neg. Moment	-2034 ft-lbs	74.6%	100%	5	22-02-14
End Reaction	501 lbs	44.6%	100%	2	39-09-12
Int. Reaction	1400 lbs	55.5%	100%	5	22-02-14
End Shear	477 lbs	32.4%	100%	2	39-05-06
Cont. Shear	739 lbs	50.1%	100%	5	22-05-12
Total Load Deflection	L/504 (0.412")	71.5%	n\a	2	31-05-05
Live Load Deflection	L/584 (0.355")	82.2%	n\a	7	31-05-05
Total Neg. Defl.	L/999 (-0.046")	n\a	n\a	2	18-06-13
Max Defl.	0.412"	41.2%	n\a	2	31-05-05
Span / Depth	21.8				

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i883)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	352 lbs	9.5%	31.3%	Unspecified
B2	Beam	5-3/4" x 2"	1182 lbs	25.3%	46.8%	Unspecified
B3	Beam	5-3/4" x 2"	1400 lbs	30.0%	55.5%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	501 lbs	13.5%	44.6%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

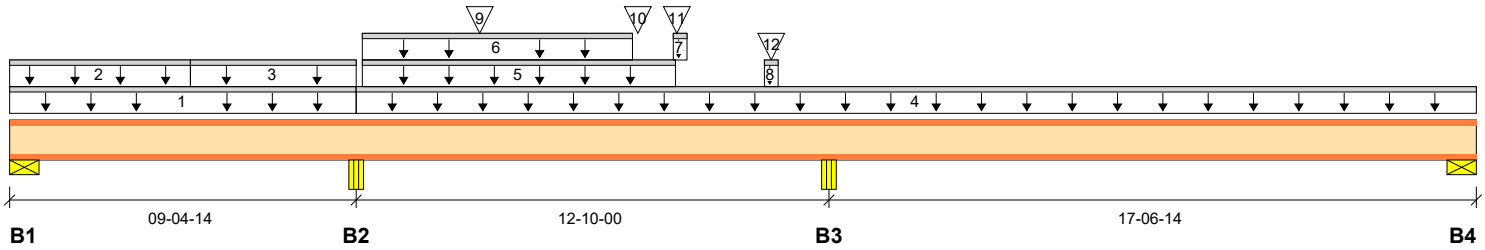
PASSED

Foundation\Floor Joists\J1-16" O.C.(i976) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i976)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	254 / 57	0 / 49			
B2, 5-3/4"	695 / 0	834 / 0			
B3, 5-3/4"	992 / 0	743 / 0			
B4, 4-3/8"	412 / 21	63 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-04-14	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-10-14	Top	23	6				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-10-14	09-04-14	Top	27	7				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-04-14	39-09-12	Top	53	13				n\a
5	37(i81)	Unf. Lin. (lb/ft)	L	09-06-14	18-00-14	Top		57				n\a
6	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	16-10-14	Top		27				n\a
7	31(i77)	Unf. Lin. (lb/ft)	L	18-00-03	18-04-10	Top		80				n\a
8	50(i97)	Unf. Lin. (lb/ft)	L	20-05-14	20-10-05	Top		80				n\a
9	38(i85)	Conc. Pt. (lbs)	L	12-09-02	12-09-02	Top		38				n\a
10	FC1 Floor Decking (Plan View Fill)	Conc. Pt. (lbs)	L	17-00-10	17-00-10	Top		41				n\a
11	-	Conc. Pt. (lbs)	L	18-01-05	18-01-05	Top		96				n\a
12	50(i97)	Conc. Pt. (lbs)	L	20-08-01	20-08-01	Top		114				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1850 ft-lbs	67.9%	100%	3	15-10-07
Neg. Moment	-2482 ft-lbs	91.1%	100%	5	22-02-14
End Reaction	475 lbs	42.2%	100%	2	39-09-12
Int. Reaction	1735 lbs	68.7%	100%	5	22-02-14
End Shear	451 lbs	30.6%	100%	2	39-05-06
Cont. Shear	1009 lbs	68.4%	100%	4	09-07-12
Total Load Deflection	L/580 (0.265")	62.1%	n\a	3	15-10-07
Live Load Deflection	L/584 (0.355")	82.2%	n\a	7	31-05-06
Total Neg. Defl.	L/999 (-0.077")	n\a	n\a	3	27-05-12
Max Defl.	0.348"	34.8%	n\a	2	31-08-04
Span / Depth	21.8				

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i976)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	205 lbs	5.5%	18.2%	Unspecified
B1	Uplift		105 lbs			
B2	Beam	5-3/4" x 2"	1529 lbs	32.7%	60.6%	Unspecified
B3	Beam	5-3/4" x 2"	1735 lbs	37.1%	68.7%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	475 lbs	12.8%	42.2%	Unspecified

Cautions

Uplift of -105 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

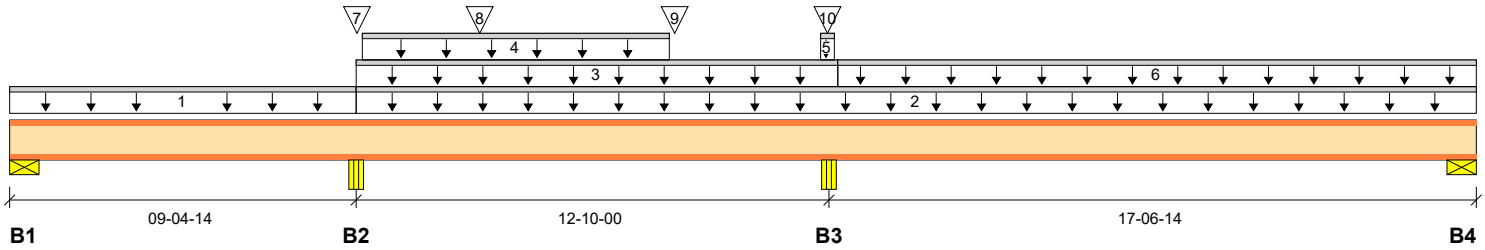
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J1-16" O.C.(i988) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i988)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	266 / 37	32 / 0			
B2, 5-3/4"	559 / 0	296 / 0			
B3, 5-3/4"	867 / 0	375 / 0			
B4, 4-3/8"	412 / 14	92 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-04-14	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-04-14	39-09-12	Top	27	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-04-14	22-05-12	Top	8	2				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	17-10-14	Top		18				n\a
5	31(i77)	Unf. Lin. (lb/ft)	L	22-00-03	22-04-10	Top		80				n\a
6	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-05-12	39-09-12	Top	27	7				n\a
7	12(i59)	Conc. Pt. (lbs)	L	09-05-02	09-05-02	Top		14				n\a
8	38(i85)	Conc. Pt. (lbs)	L	12-09-02	12-09-02	Top		47				n\a
9	34(i80)	Conc. Pt. (lbs)	L	18-00-10	18-00-10	Top		47				n\a
10	31(i77)	Conc. Pt. (lbs)	L	22-02-06	22-02-06	Top		38				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1753 ft-lbs	64.3%	100%	2	32-02-00
Neg. Moment	-1870 ft-lbs	68.6%	100%	5	22-02-14
End Reaction	504 lbs	44.8%	100%	2	39-09-12
Int. Reaction	1241 lbs	49.2%	100%	5	22-02-14
End Shear	479 lbs	32.5%	100%	2	39-05-06
Cont. Shear	669 lbs	45.4%	100%	5	22-05-12
Total Load Deflection	L/498 (0.416")	72.3%	n\a	2	31-05-06
Live Load Deflection	L/584 (0.355")	82.2%	n\a	7	31-05-06
Total Neg. Defl.	L/999 (-0.057")	n\a	n\a	2	18-03-00
Max Defl.	0.416"	41.6%	n\a	2	31-05-06
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	298 lbs	8.0%	26.5%	Unspecified
B2	Beam	5-3/4" x 2"	855 lbs	18.3%	33.9%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i988)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B3	Beam	5-3/4" x 2"	1241 lbs	26.6%	49.2%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	504 lbs	13.5%	44.8%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

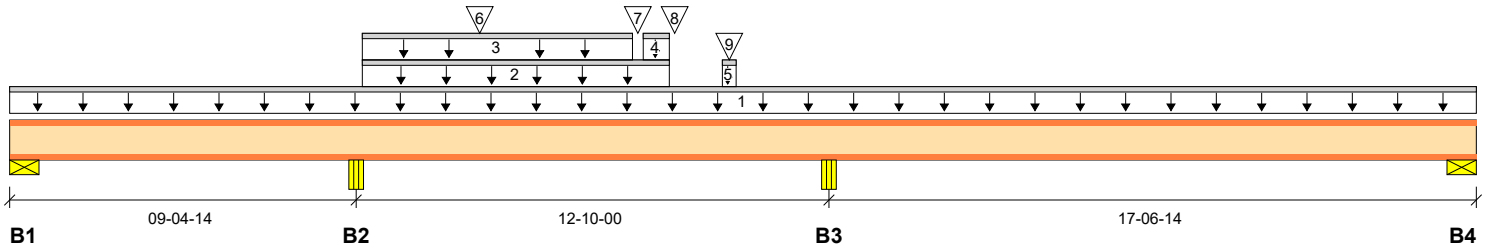
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J1-16" O.C.(i989) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i989)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	266 / 57	3 / 0			
B2, 5-3/4"	700 / 0	473 / 0			
B3, 5-3/4"	992 / 0	505 / 0			
B4, 4-3/8"	412 / 21	79 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	39-09-12	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	17-10-14	Top		13				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	16-10-14	Top		13				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	17-02-06	17-10-14	Top		36				n\a
5	31(i77)	Unf. Lin. (lb/ft)	L	19-04-03	19-08-10	Top		80				n\a
6	38(i85)	Conc. Pt. (lbs)	L	12-09-02	12-09-02	Top		76				n\a
7	FC1 Floor Decking (Plan View Fill)	Conc. Pt. (lbs)	L	17-00-10	17-00-10	Top		21				n\a
8	34(i80)	Conc. Pt. (lbs)	L	18-00-10	18-00-10	Top		76				n\a
9	31(i77)	Conc. Pt. (lbs)	L	19-06-06	19-06-06	Top		77				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1665 ft-lbs	61.1%	100%	2	32-04-14
Neg. Moment	-2204 ft-lbs	80.9%	100%	5	22-02-14
End Reaction	491 lbs	43.7%	100%	2	39-09-12
Int. Reaction	1497 lbs	59.3%	100%	5	22-02-14
End Shear	467 lbs	31.7%	100%	2	39-05-06
Cont. Shear	777 lbs	52.7%	100%	5	22-00-00
Total Load Deflection	L/536 (0.387")	67.1%	n\a	2	31-06-13
Live Load Deflection	L/584 (0.355")	82.2%	n\a	7	31-05-06
Total Neg. Defl.	L/999 (-0.04")	n\a	n\a	3	26-04-13
Max Defl.	0.387"	38.7%	n\a	2	31-06-13
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	269 lbs	7.2%	23.9%	Unspecified
B2	Beam	5-3/4" x 2"	1173 lbs	25.1%	46.5%	Unspecified
B3	Beam	5-3/4" x 2"	1497 lbs	32.0%	59.3%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i989)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B4	Wall/Plate	4-3/8" x 2"	491 lbs	13.2%	43.7%	Unspecified

Cautions

Uplift of -54 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

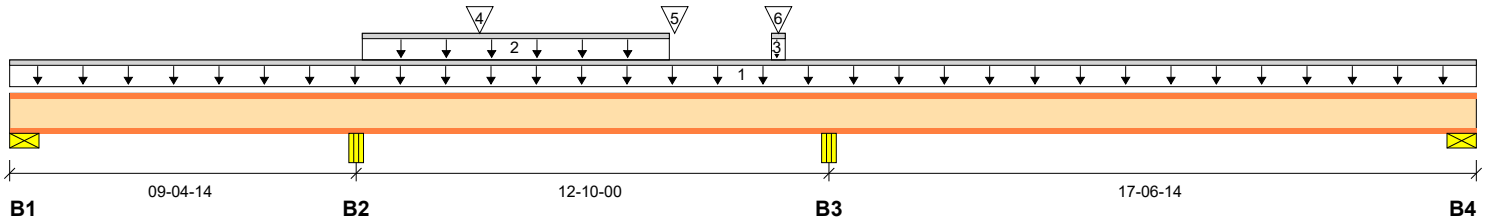
PASSED

Foundation\Floor Joists\J1-16" O.C.(i999) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i999)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 39-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	266 / 57	10 / 0			
B2, 5-3/4"	700 / 0	439 / 0			
B3, 5-3/4"	992 / 0	489 / 0			
B4, 4-3/8"	412 / 21	83 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	39-09-12	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	17-10-14	Top		27				n\a
3	31(i77)	Unf. Lin. (lb/ft)	L	20-08-03	21-00-10	Top		80				n\a
4	38(i85)	Conc. Pt. (lbs)	L	12-09-02	12-09-02	Top		76				n\a
5	34(i80)	Conc. Pt. (lbs)	L	18-00-10	18-00-10	Top		76				n\a
6	31(i77)	Conc. Pt. (lbs)	L	20-10-07	20-10-07	Top		77				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1690 ft-lbs	62.0%	100%	2	32-04-14
Neg. Moment	-2144 ft-lbs	78.7%	100%	5	22-02-14
End Reaction	495 lbs	44.0%	100%	2	39-09-12
Int. Reaction	1480 lbs	58.6%	100%	5	22-02-14
End Shear	471 lbs	31.9%	100%	2	39-05-06
Cont. Shear	765 lbs	51.8%	100%	5	22-00-00
Total Load Deflection	L/525 (0.395")	68.6%	n\a	2	31-08-04
Live Load Deflection	L/584 (0.355")	82.2%	n\a	7	31-05-06
Total Neg. Defl.	L/999 (-0.032")	n\a	n\a	3	26-01-14
Max Defl.	0.395"	39.5%	n\a	2	31-08-04
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	277 lbs	7.4%	24.6%	Unspecified
B2	Beam	5-3/4" x 2"	1139 lbs	24.4%	45.1%	Unspecified
B3	Beam	5-3/4" x 2"	1480 lbs	31.7%	58.6%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	495 lbs	13.3%	44.0%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J1-16" O.C.(i999)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

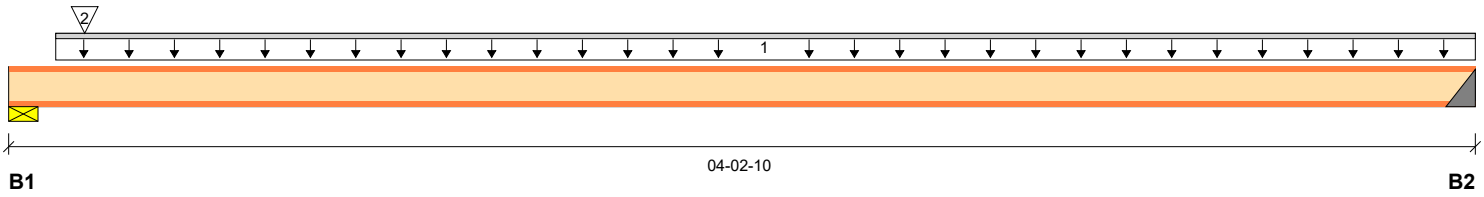
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J14-16" O.C.(i912) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J14-16" O.C.(i912)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-02-10

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	173 / 0	119 / 0			
B2, 2"	70 / 0	17 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	04-02-10	Top	35	9				n\a
2	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	101	101				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	79 ft-lbs	2.9%	100%	1	02-02-08
End Reaction	292 lbs	26.0%	100%	1	00-00-00
End Shear	80 lbs	5.4%	100%	1	00-04-06
Total Load Deflection	L/999 (0.002")	n\a	n\a	1	02-02-08
Live Load Deflection	L/999 (0.002")	n\a	n\a	2	02-02-08
Max Defl.	0.002"	n\a	n\a	1	02-02-08
Span / Depth	4.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	292 lbs	7.9%	26.0%	Unspecified
B2	Hanger	2" x 2"	87 lbs	6.3%	8.8%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Single 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10dx1.5 face nails, (4) 10dx1.5 TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

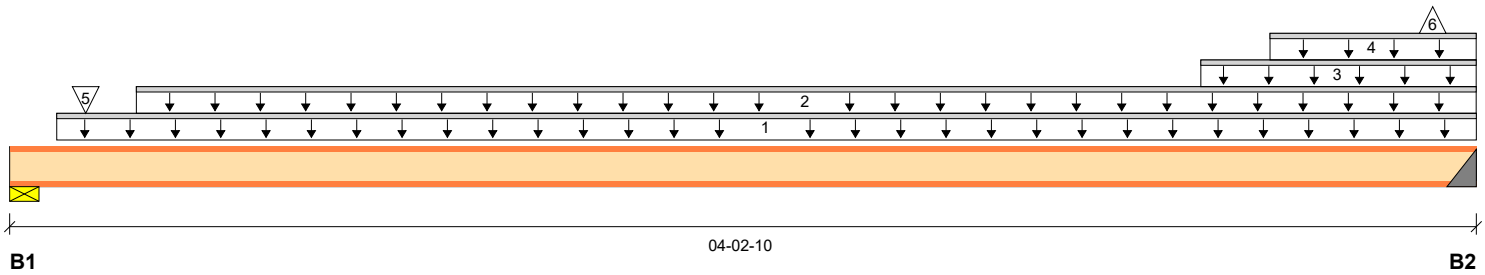
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J14-16" O.C.(i916) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J14-16" O.C.(i916)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-02-10

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	223 / 0	421 / 0			
B2, 2"	142 / 24	211 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	04-02-10	Top	36	9				n\a
2	3(i50)	Unf. Lin. (lb/ft)	L	00-04-06	04-02-10	Top		57				n\a
3	3(i50)	Unf. Lin. (lb/ft)	L	03-05-02	04-02-10	Top	40	51				n\a
4	3(i50)	Unf. Lin. (lb/ft)	L	03-07-08	04-02-10	Top	72	74				n\a
5	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	144	292				n\a
6	3(i50)	Conc. Pt. (lbs)	L	04-01-02	04-01-02	Top	-24					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	205 ft-lbs	7.5%	100%	1	02-03-11
End Reaction	644 lbs	57.2%	100%	1	00-00-00
End Shear	296 lbs	20.1%	100%	1	04-00-10
Total Load Deflection	L/999 (0.006")	n\a	n\a	1	02-03-05
Live Load Deflection	L/999 (0.002")	n\a	n\a	3	02-03-11
Max Defl.	0.006"	n\a	n\a	1	02-03-05
Span / Depth	4.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	644 lbs	17.3%	57.2%	Unspecified
B2	Hanger	2" x 2"	353 lbs	25.3%	35.5%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Single 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10dx1.5 face nails, (4) 10dx1.5 TF nails, (2) Strong-Grip joist nails.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J14-16" O.C.(i916)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

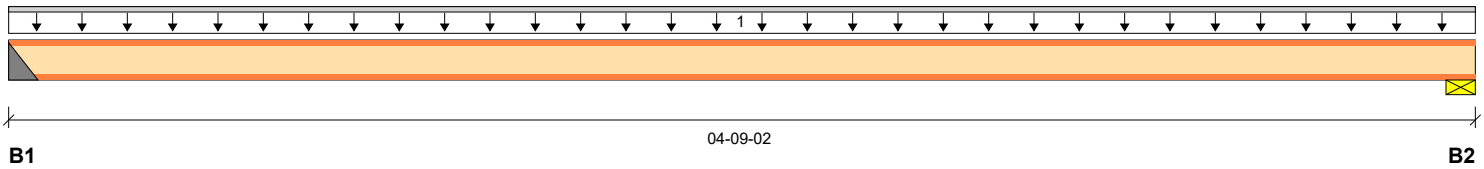
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J14-16" O.C.(i919) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J14-16" O.C.(i919)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	130 / 0	32 / 0			
B2, 4-3/8"	141 / 0	35 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-09-02	Top	57	14				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	168 ft-lbs	6.2%	100%	1	02-03-06
End Reaction	162 lbs	16.3%	100%	1	00-00-00
End Shear	150 lbs	10.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.006")	n\a	n\a	1	02-03-06
Live Load Deflection	L/999 (0.004")	n\a	n\a	2	02-03-06
Max Defl.	0.006"	n\a	n\a	1	02-03-06
Span / Depth	5.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	162 lbs	10.4%	16.3%	ITS2.06/9.5
B2	Wall/Plate	4-3/8" x 2"	176 lbs	4.7%	15.6%	Unspecified

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

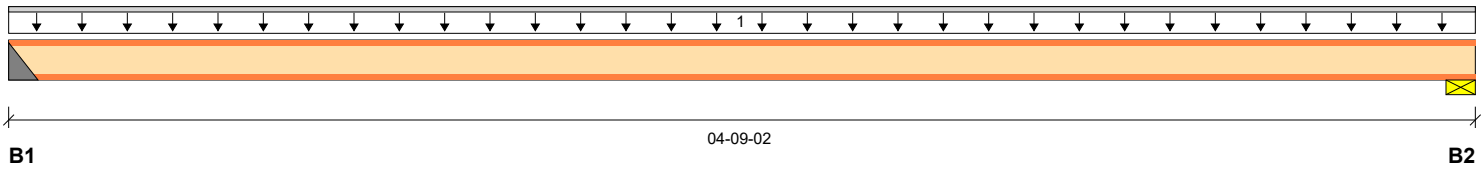
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J14-16" O.C.(i970) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J14-16" O.C.(i970)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	113 / 0	28 / 0			
B2, 4-3/8"	123 / 0	31 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-09-02	Top	50	12				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	147 ft-lbs	5.4%	100%	1	02-03-06
End Reaction	141 lbs	14.2%	100%	1	00-00-00
End Shear	131 lbs	8.9%	100%	1	00-02-00
Total Load Deflection	L/999 (0.005")	n\a	n\a	1	02-03-06
Live Load Deflection	L/999 (0.004")	n\a	n\a	2	02-03-06
Max Defl.	0.005"	n\a	n\a	1	02-03-06
Span / Depth	5.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	141 lbs	9.1%	14.2%	ITS2.06/9.5
B2	Wall/Plate	4-3/8" x 2"	153 lbs	4.1%	13.6%	Unspecified

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

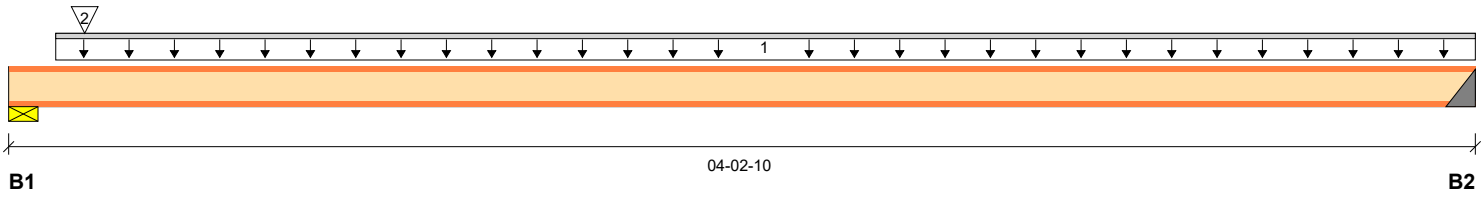
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J14-16" O.C.(i979) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J14-16" O.C.(i979)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-02-10

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	191 / 0	79 / 0			
B2, 2"	107 / 0	27 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	04-02-10	Top	53	13				n\a
2	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	80	51				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	121 ft-lbs	4.4%	100%	1	02-02-08
End Reaction	269 lbs	23.9%	100%	1	00-00-00
End Shear	123 lbs	8.3%	100%	1	00-04-06
Total Load Deflection	L/999 (0.004")	n\a	n\a	1	02-02-08
Live Load Deflection	L/999 (0.003")	n\a	n\a	2	02-02-08
Max Defl.	0.004"	n\a	n\a	1	02-02-08
Span / Depth	4.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	269 lbs	7.2%	23.9%	Unspecified
B2	Hanger	2" x 2"	134 lbs	9.6%	13.5%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Single 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10dx1.5 face nails, (4) 10dx1.5 TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

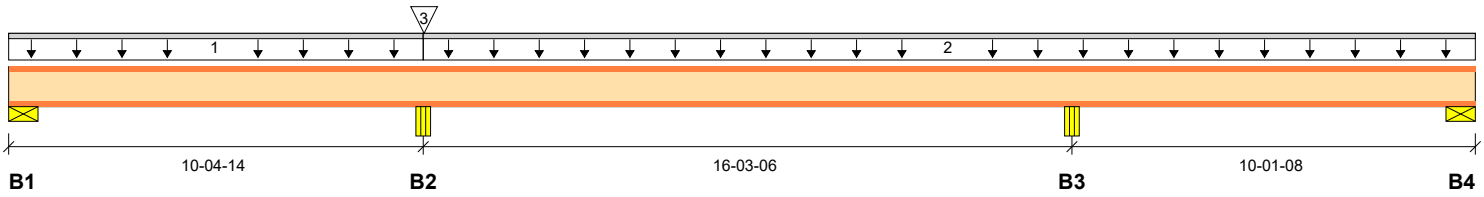
PASSED

Foundation\Floor Joists\J2-16" O.C.(i903) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J2-16" O.C.(i903)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 36-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	256 / 81	44 / 0			
B2, 4"	1018 / 0	304 / 0			
B3, 5-3/4"	826 / 0	200 / 0			
B4, 4-3/8"	260 / 84	44 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	10-04-14	Top	51	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-04-14	36-09-12	Top	53	13				n\a
3	11(i57)	Conc. Pt. (lbs)	L	10-05-02	10-05-02	Top	199	106				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1138 ft-lbs	41.8%	100%	3	18-06-02
Neg. Moment	-1328 ft-lbs	48.7%	100%	5	26-08-04
End Reaction	304 lbs	27.0%	100%	2	36-09-12
Int. Reaction	1323 lbs	59.4%	100%	4	10-04-14
End Shear	280 lbs	19.0%	100%	2	36-05-06
Cont. Shear	551 lbs	37.4%	100%	4	10-06-14
Total Load Deflection	L/822 (0.238")	43.8%	n\a	3	18-06-02
Live Load Deflection	L/978 (0.2")	49.1%	n\a	8	18-06-02
Total Neg. Defl.	L/999 (-0.038")	n\a	n\a	3	06-05-10
Max Defl.	0.238"	23.8%	n\a	3	18-06-02
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	299 lbs	8.0%	26.6%	Unspecified
B2	Beam	4" x 2"	1323 lbs	40.6%	59.4%	Unspecified
B3	Beam	5-3/4" x 2"	1026 lbs	22.0%	40.6%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	304 lbs	8.2%	27.0%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J2-16" O.C.(i903)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

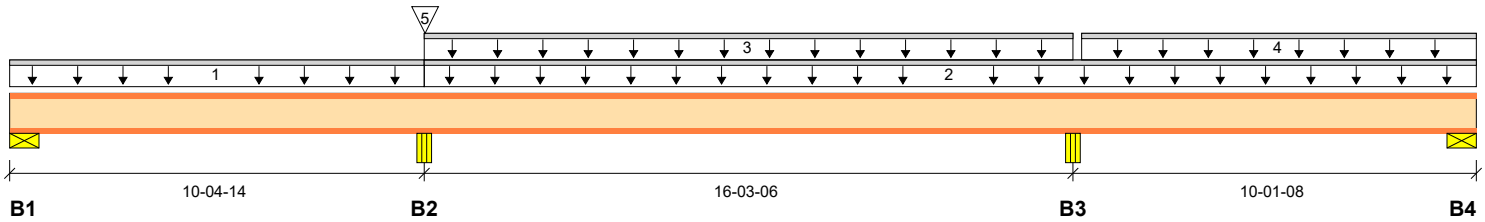
PASSED

Foundation\Floor Joists\J2-16" O.C.(i986) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J2-16" O.C.(i986)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 36-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	265 / 81	46 / 0			
B2, 4"	1046 / 0	298 / 0			
B3, 5-3/4"	801 / 0	193 / 0			
B4, 4-3/8"	243 / 84	40 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	10-04-14	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-04-14	36-09-12	Top	27	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-04-14	26-08-04	Top	27	7				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	26-10-14	36-09-12	Top	23	6				n\a
5	11(i57)	Conc. Pt. (lbs)	L	10-05-02	10-05-02	Top	214	96				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1139 ft-lbs	41.8%	100%	3	18-06-02
Neg. Moment	-1341 ft-lbs	49.2%	100%	4	10-04-14
End Reaction	311 lbs	27.7%	100%	2	00-00-00
Int. Reaction	1344 lbs	60.4%	100%	4	10-04-14
End Shear	287 lbs	19.5%	100%	2	00-04-06
Cont. Shear	553 lbs	37.5%	100%	4	10-06-14
Total Load Deflection	L/821 (0.238")	43.8%	n\a	3	18-06-02
Live Load Deflection	L/978 (0.2")	49.1%	n\a	8	18-06-02
Total Neg. Defl.	L/999 (-0.038")	n\a	n\a	3	06-05-10
Max Defl.	0.238"	23.8%	n\a	3	18-06-02
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	311 lbs	8.4%	27.7%	Unspecified
B2	Beam	4" x 2"	1344 lbs	41.3%	60.4%	Unspecified
B3	Beam	5-3/4" x 2"	994 lbs	21.3%	39.4%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	283 lbs	7.6%	25.2%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J2-16" O.C.(i986)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

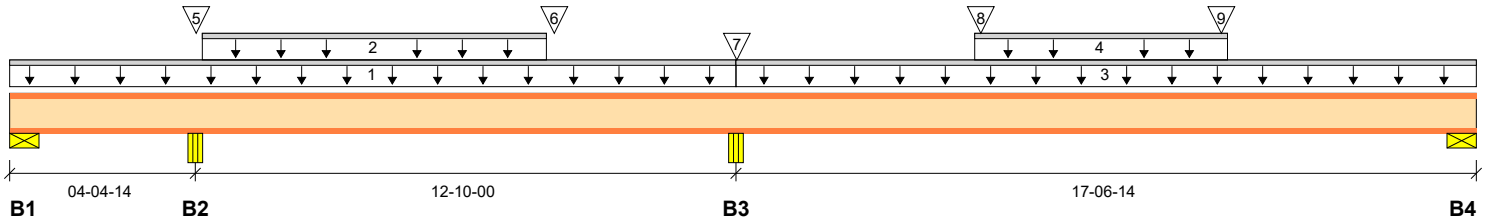
PASSED

Foundation\Floor Joists\J3-16" O.C.(i1029) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i1029)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 34-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	174 / 154	0 / 52			
B2, 5-3/4"	637 / 11	345 / 0			
B3, 5-3/4"	743 / 0	452 / 0			
B4, 4-3/8"	256 / 19	121 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	17-02-14	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-06-14	12-08-14	Top		27				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	17-02-14	34-09-12	Top	33	8				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-10-14	28-10-14	Top		16				n\a
5	12(i59)	Conc. Pt. (lbs)	L	04-05-02	04-05-02	Top		9				n\a
6	30(i79)	Conc. Pt. (lbs)	L	12-11-02	12-11-02	Top		76				n\a
7	8(i53)	Conc. Pt. (lbs)	L	17-03-02	17-03-02	Top		9				n\a
8	43(i92)	Conc. Pt. (lbs)	L	23-00-10	23-00-10	Top		40				n\a
9	45(i90)	Conc. Pt. (lbs)	L	28-09-02	28-09-02	Top		40				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1461 ft-lbs	53.6%	100%	2	27-04-00
Neg. Moment	-1813 ft-lbs	66.5%	100%	5	17-02-14
End Reaction	376 lbs	33.5%	100%	2	34-09-12
Int. Reaction	1196 lbs	47.4%	100%	5	17-02-14
End Shear	361 lbs	24.5%	100%	2	34-05-06
Cont. Shear	617 lbs	41.8%	100%	5	17-00-00
Total Load Deflection	L/616 (0.337")	58.5%	n\a	2	26-07-07
Live Load Deflection	L/952 (0.218")	50.4%	n\a	7	26-05-05
Total Neg. Defl.	L/999 (-0.022")	n\a	n\a	2	14-09-04
Max Defl.	0.337"	33.7%	n\a	2	26-07-07
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	122 lbs	3.3%	10.9%	Unspecified
B1	Uplift		206 lbs			
B2	Beam	5-3/4" x 2"	982 lbs	21.0%	38.9%	Unspecified
B3	Beam	5-3/4" x 2"	1196 lbs	25.6%	47.4%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	376 lbs	10.1%	33.5%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i1029)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Cautions

Uplift of -206 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

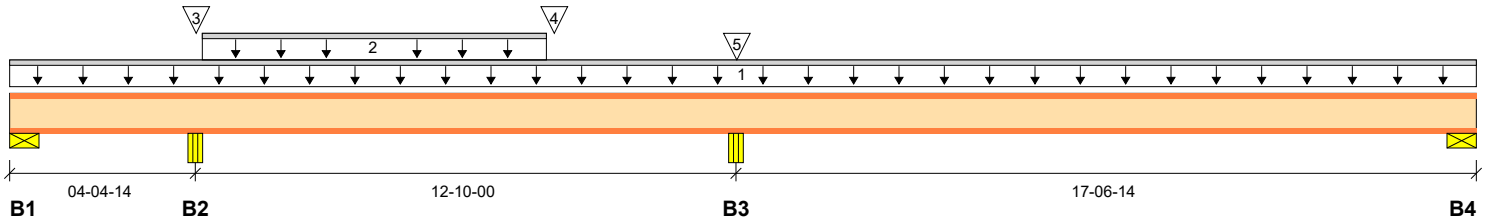
PASSED

Foundation\Floor Joists\J3-16" O.C.(i1031) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i1031)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 34-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	207 / 154	0 / 67			
B2, 5-3/4"	637 / 89	381 / 0			
B3, 5-3/4"	986 / 0	374 / 0			
B4, 4-3/8"	409 / 19	88 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	34-09-12	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-06-14	12-08-14	Top		27				n\a
3	12(i59)	Conc. Pt. (lbs)	L	04-05-02	04-05-02	Top		9				n\a
4	30(i79)	Conc. Pt. (lbs)	L	12-11-02	12-11-02	Top		76				n\a
5	8(i53)	Conc. Pt. (lbs)	L	17-03-02	17-03-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1705 ft-lbs	62.6%	100%	2	27-04-14
Neg. Moment	-2047 ft-lbs	75.1%	100%	5	17-02-14
End Reaction	497 lbs	44.2%	100%	2	34-09-12
Int. Reaction	1360 lbs	53.9%	100%	5	17-02-14
End Shear	473 lbs	32.0%	100%	2	34-05-06
Cont. Shear	678 lbs	46.0%	100%	5	17-05-12
Total Load Deflection	L/518 (0.4")	69.5%	n\a	2	26-05-06
Live Load Deflection	L/596 (0.348")	80.6%	n\a	7	26-05-06
Total Neg. Defl.	L/999 (-0.033")	n\a	n\a	2	14-04-06
Max Defl.	0.4"	40.0%	n\a	2	26-05-06
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	140 lbs	3.8%	12.4%	Unspecified
B1	Uplift		221 lbs			
B2	Beam	5-3/4" x 2"	1018 lbs	21.8%	40.3%	Unspecified
B3	Beam	5-3/4" x 2"	1360 lbs	29.1%	53.9%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	497 lbs	13.4%	44.2%	Unspecified

Cautions

Uplift of -221 lbs found at bearing B1.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i1031)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

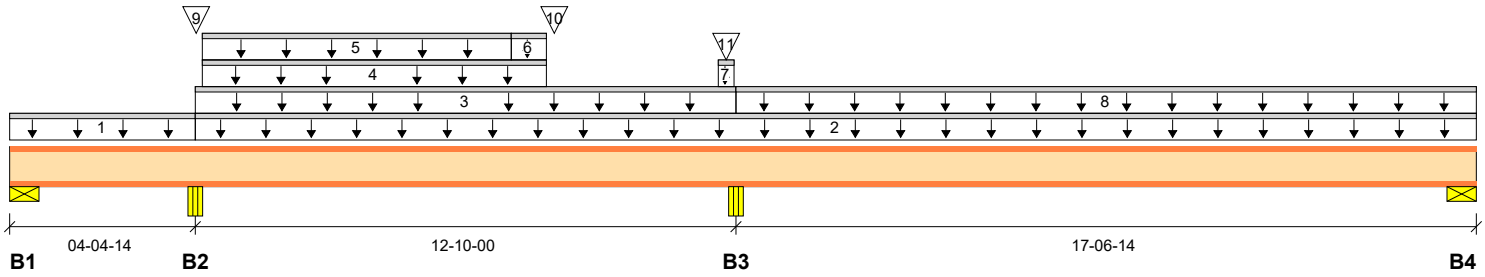
PASSED

Foundation\Floor Joists\J3-16" O.C.(i1033) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i1033)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 34-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	179 / 154	0 / 80			
B2, 5-3/4"	637 / 24	412 / 0			
B3, 5-3/4"	784 / 0	398 / 0			
B4, 4-3/8"	281 / 19	55 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-04-14	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-04-14	34-09-12	Top	27	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-04-14	17-02-14	Top	27	7				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-06-14	12-08-14	Top		13				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-06-14	11-10-14	Top		13				n\a
6	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	11-10-14	12-08-14	Top		13				n\a
7	50(i97)	Unf. Lin. (lb/ft)	L	16-09-14	17-02-05	Top		80				n\a
8	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	17-02-14	34-09-12	Top	10	3				n\a
9	12(i59)	Conc. Pt. (lbs)	L	04-05-02	04-05-02	Top		9				n\a
10	30(i79)	Conc. Pt. (lbs)	L	12-11-02	12-11-02	Top		98				n\a
11	50(i97)	Conc. Pt. (lbs)	L	17-00-01	17-00-01	Top		38				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1133 ft-lbs	41.6%	100%	2	27-04-14
Neg. Moment	-1609 ft-lbs	59.1%	100%	5	17-02-14
End Reaction	336 lbs	29.9%	100%	2	34-09-12
Int. Reaction	1182 lbs	46.8%	100%	5	17-02-14
End Shear	319 lbs	21.7%	100%	2	34-05-06
Cont. Shear	623 lbs	42.2%	100%	5	17-00-00
Total Load Deflection	L/792 (0.262")	45.5%	n\a	2	26-08-04
Live Load Deflection	L/866 (0.239")	55.4%	n\a	7	26-05-06
Total Neg. Defl.	L/999 (-0.038")	n\a	n\a	3	22-00-00
Max Defl.	0.262"	26.2%	n\a	2	26-08-04
Span / Depth	21.8				

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i1033)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	99 lbs	2.7%	8.8%	Unspecified
B1	Uplift		234 lbs			
B2	Beam	5-3/4" x 2"	1050 lbs	22.5%	41.6%	Unspecified
B3	Beam	5-3/4" x 2"	1182 lbs	25.3%	46.8%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	336 lbs	9.0%	29.9%	Unspecified

Cautions

Uplift of -234 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

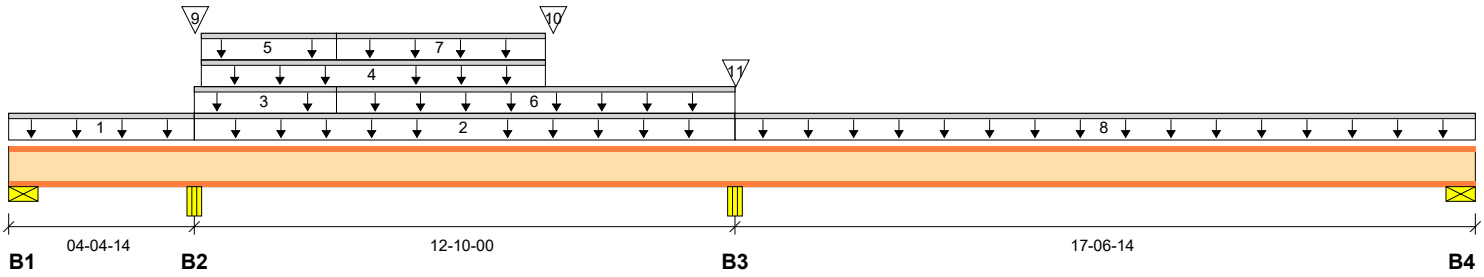
PASSED

Foundation\Floor Joists\J3-16" O.C.(i892) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i892)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 34-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	175 / 107	0 / 38			
B2, 5-3/4"	451 / 121	251 / 0			
B3, 5-3/4"	881 / 0	312 / 0			
B4, 4-3/8"	409 / 13	92 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-04-14	Top	39	10				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-04-14	17-02-14	Top	27	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-04-14	07-09-06	Top	12	3				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-06-14	12-08-14	Top		13				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-06-14	07-09-06	Top		5				n\a
6	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	07-09-06	17-02-14	Top	10	3				n\a
7	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	07-09-06	12-08-14	Top		4				n\a
8	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	17-02-14	34-09-12	Top	53	13				n\a
9	12(i59)	Conc. Pt. (lbs)	L	04-05-02	04-05-02	Top		9				n\a
10	30(i79)	Conc. Pt. (lbs)	L	12-11-02	12-11-02	Top		57				n\a
11	8(i53)	Conc. Pt. (lbs)	L	17-03-02	17-03-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1735 ft-lbs	63.7%	100%	2	27-04-14
Neg. Moment	-1869 ft-lbs	68.6%	100%	5	17-02-14
End Reaction	501 lbs	44.6%	100%	2	34-09-12
Int. Reaction	1193 lbs	47.2%	100%	5	17-02-14
End Shear	477 lbs	32.3%	100%	2	34-05-06
Cont. Shear	668 lbs	45.3%	100%	5	17-05-12
Total Load Deflection	L/505 (0.41")	71.3%	n\a	2	26-06-13
Live Load Deflection	L/596 (0.348")	80.5%	n\a	7	26-05-06
Total Neg. Defl.	L/999 (-0.048")	n\a	n\a	2	13-09-00
Max Defl.	0.41"	41.0%	n\a	2	26-06-13
Span / Depth	21.8				

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i892)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	136 lbs	3.7%	12.1%	Unspecified
B1	Uplift		145 lbs			
B2	Beam	5-3/4" x 2"	703 lbs	15.0%	27.8%	Unspecified
B3	Beam	5-3/4" x 2"	1193 lbs	25.5%	47.2%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	501 lbs	13.5%	44.6%	Unspecified

Cautions

Uplift of -145 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

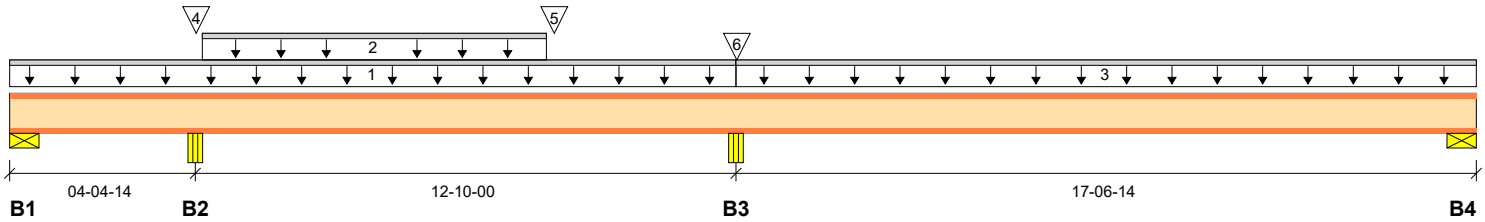
PASSED

Foundation\Floor Joists\J3-16" O.C.(i980) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i980)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 34-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	179 / 154	0 / 73			
B2, 5-3/4"	637 / 24	396 / 0			
B3, 5-3/4"	784 / 0	332 / 0			
B4, 4-3/8"	281 / 19	57 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	17-02-14	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-06-14	12-08-14	Top		27				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	17-02-14	34-09-12	Top	37	9				n\a
4	12(i59)	Conc. Pt. (lbs)	L	04-05-02	04-05-02	Top		9				n\a
5	30(i79)	Conc. Pt. (lbs)	L	12-11-02	12-11-02	Top		76				n\a
6	8(i53)	Conc. Pt. (lbs)	L	17-03-02	17-03-02	Top		15				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1150 ft-lbs	42.2%	100%	2	27-04-14
Neg. Moment	-1595 ft-lbs	58.5%	100%	5	17-02-14
End Reaction	339 lbs	30.1%	100%	2	34-09-12
Int. Reaction	1116 lbs	44.2%	100%	5	17-02-14
End Shear	322 lbs	21.8%	100%	2	34-05-06
Cont. Shear	605 lbs	41.0%	100%	4	04-07-12
Total Load Deflection	L/778 (0.267")	46.3%	n\a	2	26-07-14
Live Load Deflection	L/866 (0.239")	55.4%	n\a	7	26-05-10
Total Neg. Defl.	L/999 (-0.034")	n\a	n\a	3	21-08-15
Max Defl.	0.267"	26.7%	n\a	2	26-07-14
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	106 lbs	2.9%	9.4%	Unspecified
B1	Uplift		227 lbs			
B2	Beam	5-3/4" x 2"	1034 lbs	22.1%	40.9%	Unspecified
B3	Beam	5-3/4" x 2"	1116 lbs	23.9%	44.2%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	339 lbs	9.1%	30.1%	Unspecified

Cautions

Uplift of -227 lbs found at bearing B1.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J3-16" O.C.(i980)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

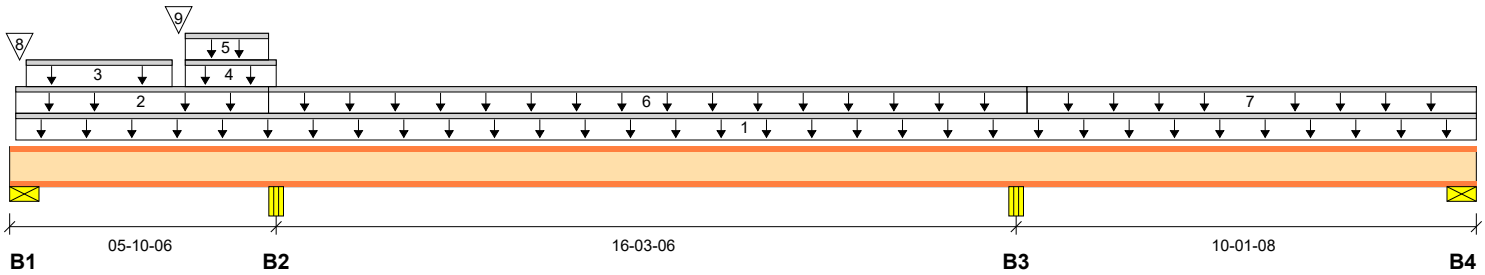
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J4-16" O.C.(i1000) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i1000)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 32-03-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	269 / 108	203 / 0			
B2, 4"	544 / 0	290 / 0			
B3, 5-3/4"	617 / 0	150 / 0			
B4, 4-3/8"	254 / 50	52 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	32-03-04	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	05-08-06	Top	27	7				n\a
3	27(i74)	Unf. Lin. (lb/ft)	L	00-04-06	03-06-14	Top		57				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-06	05-10-06	Top		13				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-06	05-08-06	Top		13				n\a
6	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-08-06	22-04-10	Top	7	2				n\a
7	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-04-10	32-03-04	Top	27	7				n\a
8	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	106	36				n\a
9	24(i71)	Conc. Pt. (lbs)	L	03-08-10	03-08-10	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	658 ft-lbs	24.1%	100%	3	14-04-03
Neg. Moment	-915 ft-lbs	33.6%	100%	5	22-01-12
End Reaction	471 lbs	41.9%	100%	2	00-00-00
Int. Reaction	835 lbs	37.5%	100%	4	05-10-06
End Shear	314 lbs	21.3%	100%	2	00-04-06
Cont. Shear	470 lbs	31.9%	100%	4	05-08-06
Total Load Deflection	L/1457 (0.134")	24.7%	n\a	3	14-01-00
Live Load Deflection	L/999 (0.116")	n\a	n\a	8	14-01-00
Total Neg. Defl.	L/999 (-0.017")	n\a	n\a	3	25-07-14
Max Defl.	0.134"	13.4%	n\a	3	14-01-00
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	471 lbs	12.7%	41.9%	Unspecified
B2	Beam	4" x 2"	835 lbs	25.6%	37.5%	Unspecified

Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J4-16" O.C.(i1000) (Floor Joist)

BC CALC® Member Report | Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i1000)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B3	Beam	5-3/4" x 2"	767 lbs	16.5%	30.4%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	305 lbs	8.2%	27.2%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

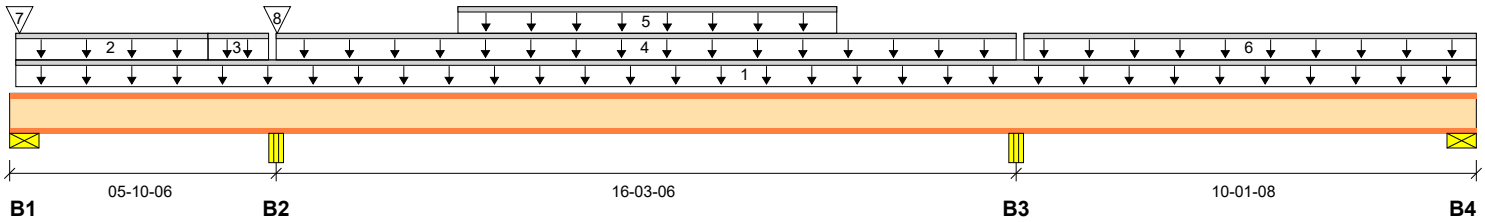
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J4-16" O.C.(i1011) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i1011)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 32-03-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	219 / 109	0 / 18			
B2, 4"	655 / 0	284 / 0			
B3, 5-3/4"	524 / 0	210 / 0			
B4, 4-3/8"	174 / 50	15 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	32-03-04	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	04-04-06	Top	19	5				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-04-06	05-08-06	Top	37	9				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-10-06	22-01-12	Top	7	2				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-10-06	18-02-06	Top		16				n\a
6	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-03-13	32-03-04	Top	10	3				n\a
7	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	81	11				n\a
8	9(i56)	Conc. Pt. (lbs)	L	05-10-10	05-10-10	Top	112	50				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	896 ft-lbs	32.9%	100%	3	14-00-06
Neg. Moment	-1003 ft-lbs	36.8%	100%	4	05-10-06
End Reaction	202 lbs	17.9%	100%	2	00-00-00
Int. Reaction	939 lbs	42.2%	100%	4	05-10-06
End Shear	172 lbs	11.7%	100%	2	31-10-14
Cont. Shear	410 lbs	27.8%	100%	4	06-00-06
Total Load Deflection	L/1072 (0.182")	33.6%	n\a	3	14-00-06
Live Load Deflection	L/999 (0.116")	n\a	n\a	8	14-00-06
Total Neg. Defl.	L/999 (-0.029")	n\a	n\a	3	26-00-06
Max Defl.	0.182"	18.2%	n\a	3	14-00-06
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	202 lbs	5.4%	17.9%	Unspecified
B1	Uplift		126 lbs			
B2	Beam	4" x 2"	939 lbs	28.8%	42.2%	Unspecified
B3	Beam	5-3/4" x 2"	735 lbs	15.8%	29.1%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i1011)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B4	Wall/Plate	4-3/8" x 2"	189 lbs	5.1%	16.8%	Unspecified

Cautions

Uplift of -126 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Single 9-1/2" BCI® 5000s-1.8

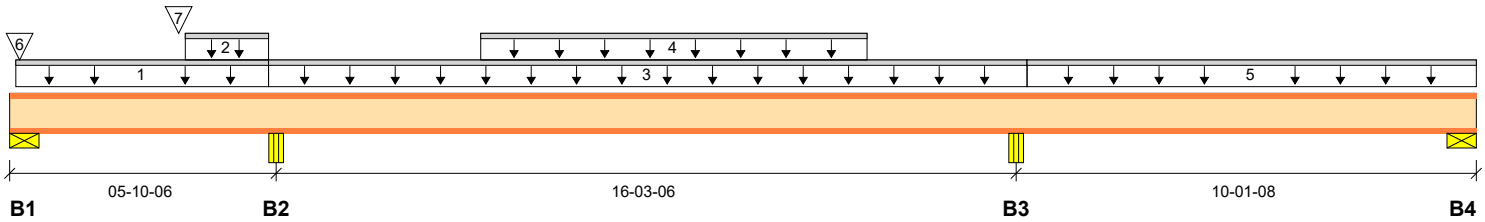
PASSED

Foundation\Floor Joists\J4-16" O.C.(i1016) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i1016)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 32-03-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	265 / 130	26 / 0			
B2, 4"	624 / 0	337 / 0			
B3, 5-3/4"	683 / 0	278 / 0			
B4, 4-3/8"	254 / 60	27 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	05-08-06	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-06	05-08-06	Top		8				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-08-06	22-04-10	Top	40	10				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-04-06	18-10-06	Top		20				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-04-10	32-03-04	Top	53	13				n\a
6	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	102	35				n\a
7	24(i71)	Conc. Pt. (lbs)	L	03-08-10	03-08-10	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1080 ft-lbs	39.6%	100%	3	14-04-03
Neg. Moment	-1258 ft-lbs	46.2%	100%	5	22-01-12
End Reaction	291 lbs	25.9%	100%	2	00-00-00
Int. Reaction	961 lbs	43.2%	100%	4	05-10-06
End Shear	256 lbs	17.4%	100%	2	31-10-14
Cont. Shear	497 lbs	33.7%	100%	5	21-10-14
Total Load Deflection	L/893 (0.219")	40.3%	n\a	3	14-01-00
Live Load Deflection	L/1402 (0.139")	34.2%	n\a	8	14-01-00
Total Neg. Defl.	L/999 (-0.033")	n\a	n\a	3	25-10-14
Max Defl.	0.219"	21.9%	n\a	3	14-01-00
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	291 lbs	7.8%	25.9%	Unspecified
B1	Uplift		104 lbs			
B2	Beam	4" x 2"	961 lbs	29.5%	43.2%	Unspecified
B3	Beam	5-3/4" x 2"	961 lbs	20.6%	38.0%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	281 lbs	7.5%	25.0%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i1016)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Cautions

Uplift of -104 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Boise Cascade® ENGINEERED WOOD PRODUCTS

Single 9-1/2" BCI® 5000s-1.8

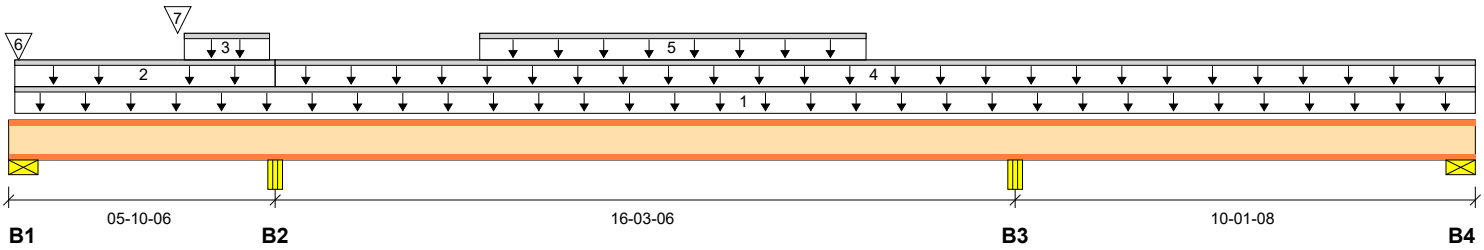
PASSED

Foundation\Floor Joists\J4-16" O.C.(i904) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i904)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 32-03-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	417 / 174	155 / 0			
B2, 4"	791 / 0	342 / 0			
B3, 5-3/4"	811 / 0	207 / 0			
B4, 4-3/8"	254 / 80	43 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	32-03-04	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	05-10-06	Top	30	8				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-06	05-08-14	Top		57				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-10-06	32-03-04	Top	27	7				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-04-06	18-10-06	Top		2				n\a
6	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	245	118				n\a
7	24(i71)	Conc. Pt. (lbs)	L	03-08-10	03-08-10	Top		73				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1102 ft-lbs	40.4%	100%	3	14-01-00
Neg. Moment	-1321 ft-lbs	48.5%	100%	4	05-10-06
End Reaction	571 lbs	50.8%	100%	2	00-00-00
Int. Reaction	1133 lbs	50.9%	100%	4	05-10-06
End Shear	272 lbs	18.4%	100%	2	31-10-14
Cont. Shear	557 lbs	37.7%	100%	4	06-00-06
Total Load Deflection	L/862 (0.227")	41.8%	n\a	3	14-01-00
Live Load Deflection	L/1052 (0.186")	45.6%	n\a	8	14-01-00
Total Neg. Defl.	L/999 (-0.035")	n\a	n\a	3	25-10-14
Max Defl.	0.227"	22.7%	n\a	3	14-01-00
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	571 lbs	15.4%	50.8%	Unspecified
B2	Beam	4" x 2"	1133 lbs	34.8%	50.9%	Unspecified
B3	Beam	5-3/4" x 2"	1019 lbs	21.9%	40.4%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	296 lbs	8.0%	26.3%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i904)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

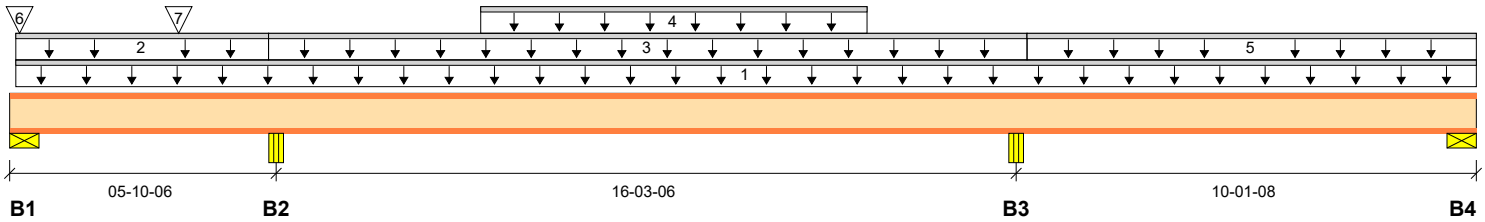
PASSED

Foundation\Floor Joists\J4-16" O.C.(i905) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i905)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 32-03-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	275 / 109	50 / 0			
B2, 4"	547 / 0	252 / 0			
B3, 5-3/4"	619 / 0	215 / 0			
B4, 4-3/8"	254 / 50	39 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	32-03-04	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	05-08-06	Top	27	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-08-06	22-04-10	Top	7	2				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-04-06	18-10-06	Top		12				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-04-10	32-03-04	Top	27	7				n\a
6	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	112	37				n\a
7	24(i71)	Conc. Pt. (lbs)	L	03-08-10	03-08-10	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	826 ft-lbs	30.3%	100%	3	14-01-00
Neg. Moment	-1048 ft-lbs	38.4%	100%	5	22-01-12
End Reaction	325 lbs	28.9%	100%	2	00-00-00
Int. Reaction	799 lbs	35.9%	100%	4	05-10-06
End Shear	268 lbs	18.2%	100%	2	31-10-14
Cont. Shear	418 lbs	28.4%	100%	5	22-04-10
Total Load Deflection	L/1164 (0.168")	30.9%	n\a	3	14-01-00
Live Load Deflection	L/999 (0.117")	n\a	n\a	8	14-01-00
Total Neg. Defl.	L/999 (-0.023")	n\a	n\a	3	25-09-06
Max Defl.	0.168"	16.8%	n\a	3	14-01-00
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	325 lbs	8.7%	28.9%	Unspecified
B2	Beam	4" x 2"	799 lbs	24.6%	35.9%	Unspecified
B3	Beam	5-3/4" x 2"	835 lbs	17.9%	33.1%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	292 lbs	7.9%	26.0%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i905)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Cautions

Uplift of -59 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

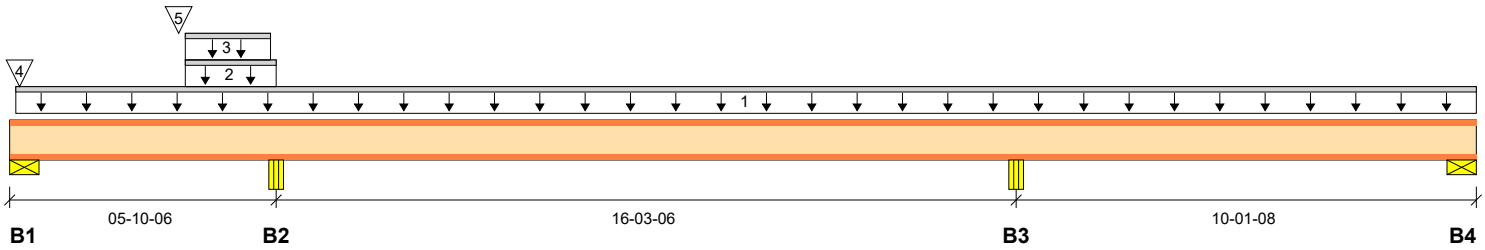
PASSED

Foundation\Floor Joists\J4-16" O.C.(i908) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i908)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 32-03-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	218 / 174	59 / 0			
B2, 4"	781 / 0	328 / 0			
B3, 5-3/4"	811 / 0	197 / 0			
B4, 4-3/8"	254 / 80	45 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	32-03-04	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-06	05-10-06	Top		17				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-06	05-08-14	Top		43				n\a
4	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	55	23				n\a
5	24(i71)	Conc. Pt. (lbs)	L	03-08-10	03-08-10	Top		64				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1077 ft-lbs	39.5%	100%	3	14-02-05
Neg. Moment	-1293 ft-lbs	47.4%	100%	4	05-10-06
End Reaction	298 lbs	26.5%	100%	2	32-03-04
Int. Reaction	1110 lbs	49.9%	100%	4	05-10-06
End Shear	274 lbs	18.6%	100%	2	31-10-14
Cont. Shear	549 lbs	37.2%	100%	4	06-00-06
Total Load Deflection	L/881 (0.222")	40.9%	n\a	3	14-02-05
Live Load Deflection	L/1052 (0.186")	45.6%	n\a	8	14-02-05
Total Neg. Defl.	L/999 (-0.034")	n\a	n\a	3	25-10-14
Max Defl.	0.222"	22.2%	n\a	3	14-02-05
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	277 lbs	7.4%	24.6%	Unspecified
B1	Uplift		114 lbs			
B2	Beam	4" x 2"	1110 lbs	34.1%	49.9%	Unspecified
B3	Beam	5-3/4" x 2"	1009 lbs	21.7%	39.9%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	298 lbs	8.0%	26.5%	Unspecified

Cautions

Uplift of -114 lbs found at bearing B1.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i908)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

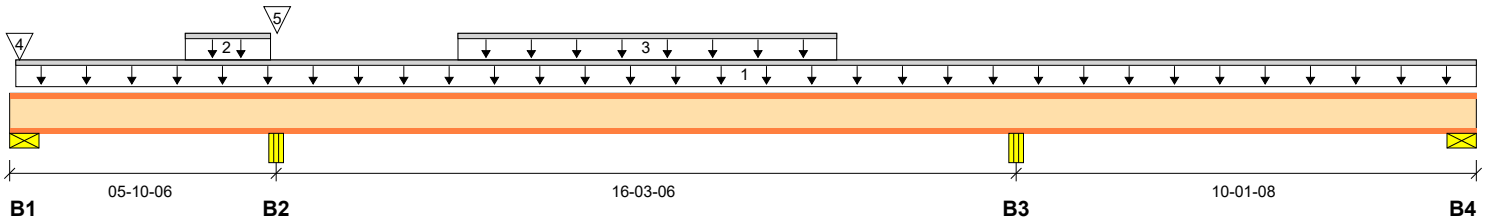
PASSED

Foundation\Floor Joists\J4-16" O.C.(i909) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i909)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 32-03-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	261 / 174	19 / 0			
B2, 4"	954 / 0	365 / 0			
B3, 5-3/4"	811 / 0	210 / 0			
B4, 4-3/8"	254 / 80	42 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	32-03-04	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-06	05-08-14	Top		13				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-10-06	18-02-06	Top		2				n\a
4	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	98	22				n\a
5	9(i56)	Conc. Pt. (lbs)	L	05-10-10	05-10-10	Top	173	145				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1115 ft-lbs	40.9%	100%	3	14-01-15
Neg. Moment	-1312 ft-lbs	48.1%	100%	5	22-01-12
End Reaction	295 lbs	26.2%	100%	2	32-03-04
Int. Reaction	1320 lbs	59.3%	100%	4	05-10-06
End Shear	271 lbs	18.4%	100%	2	31-10-14
Cont. Shear	554 lbs	37.6%	100%	4	06-00-06
Total Load Deflection	L/850 (0.23")	42.4%	n\a	3	14-01-15
Live Load Deflection	L/1052 (0.186")	45.6%	n\a	8	14-01-15
Total Neg. Defl.	L/999 (-0.036")	n\a	n\a	3	26-00-06
Max Defl.	0.23"	23.0%	n\a	3	14-01-15
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	280 lbs	7.5%	24.8%	Unspecified
B1	Uplift		155 lbs			
B2	Beam	4" x 2"	1320 lbs	40.5%	59.3%	Unspecified
B3	Beam	5-3/4" x 2"	1022 lbs	21.9%	40.5%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	295 lbs	7.9%	26.2%	Unspecified

Cautions

Uplift of -155 lbs found at bearing B1.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i909)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

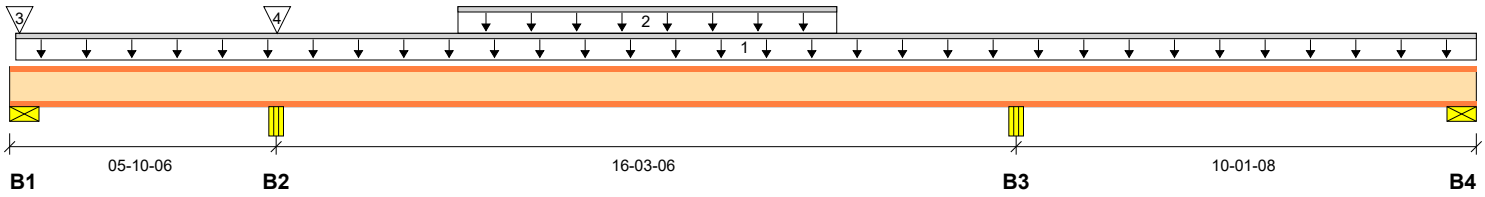
PASSED

Foundation\Floor Joists\J4-16" O.C.(i910) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i910)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 32-03-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	260 / 174	0 / 41			
B2, 4"	894 / 0	378 / 0			
B3, 5-3/4"	811 / 0	311 / 0			
B4, 4-3/8"	254 / 80	21 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	32-03-04	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-10-06	18-02-06	Top		22				n\a
3	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	97	11				n\a
4	9(i56)	Conc. Pt. (lbs)	L	05-10-10	05-10-10	Top	113	50				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1385 ft-lbs	50.8%	100%	3	14-00-06
Neg. Moment	-1526 ft-lbs	56.0%	100%	4	05-10-06
End Reaction	275 lbs	24.4%	100%	2	32-03-04
Int. Reaction	1272 lbs	57.1%	100%	4	05-10-06
End Shear	250 lbs	17.0%	100%	2	31-10-14
Cont. Shear	638 lbs	43.3%	100%	4	06-00-06
Total Load Deflection	L/692 (0.282")	52.0%	n\a	3	14-00-06
Live Load Deflection	L/1052 (0.186")	45.6%	n\a	8	14-00-06
Total Neg. Defl.	L/999 (-0.046")	n\a	n\a	3	26-00-06
Max Defl.	0.282"	28.2%	n\a	3	14-00-06
Span / Depth	20.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	219 lbs	5.9%	19.5%	Unspecified
B1	Uplift		214 lbs			
B2	Beam	4" x 2"	1272 lbs	39.1%	57.1%	Unspecified
B3	Beam	5-3/4" x 2"	1122 lbs	24.1%	44.4%	Unspecified
B4	Wall/Plate	4-3/8" x 2"	275 lbs	7.4%	24.4%	Unspecified

Cautions

Uplift of -214 lbs found at bearing B1.
Uplift of -59 lbs found at bearing B4.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J4-16" O.C.(i910)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

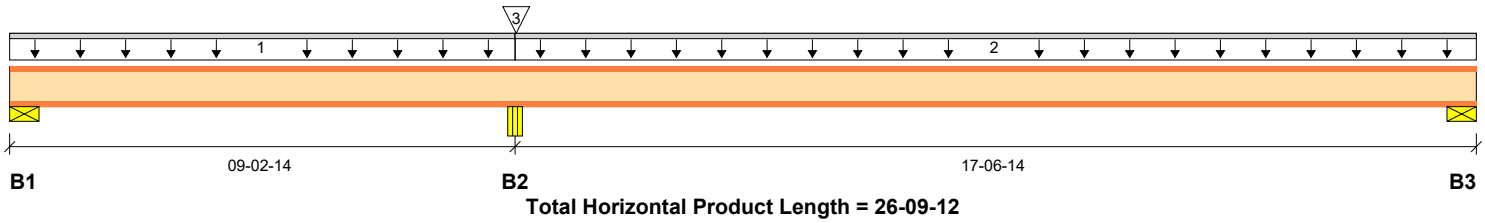
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J5-16" O.C.(i1046) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i1046)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 26-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/8"	188 / 138	13 / 0			
B2, 5-3/4"	960 / 0	270 / 0			
B3, 4-3/8"	404 / 9	99 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-02-14	Top	44	11				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-02-14	26-09-12	Top	53	13				n\a
3	8(i53)	Conc. Pt. (lbs)	L	09-03-02	09-03-02	Top	68	47				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1751 ft-lbs	64.3%	100%	3	19-02-00
Neg. Moment	-1744 ft-lbs	64.0%	100%	1	09-02-14
End Reaction	503 lbs	44.7%	100%	3	26-09-12
Int. Reaction	1230 lbs	48.7%	100%	1	09-02-14
End Shear	479 lbs	32.5%	100%	3	26-05-06
Cont. Shear	661 lbs	44.8%	100%	1	09-05-12
Total Load Deflection	L/499 (0.416")	72.2%	n\a	3	18-05-05
Live Load Deflection	L/616 (0.337")	78.0%	n\a	6	18-05-05
Total Neg. Defl.	L/999 (-0.056")	n\a	n\a	3	05-06-03
Max Defl.	0.416"	41.6%	n\a	3	18-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-7/8" x 2"	201 lbs	8.2%	18.8%	Unspecified
B1	Uplift		125 lbs			
B2	Beam	5-3/4" x 2"	1230 lbs	26.3%	48.7%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	503 lbs	13.5%	44.7%	Unspecified

Cautions

Uplift of -125 lbs found at bearing B1.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i1046)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

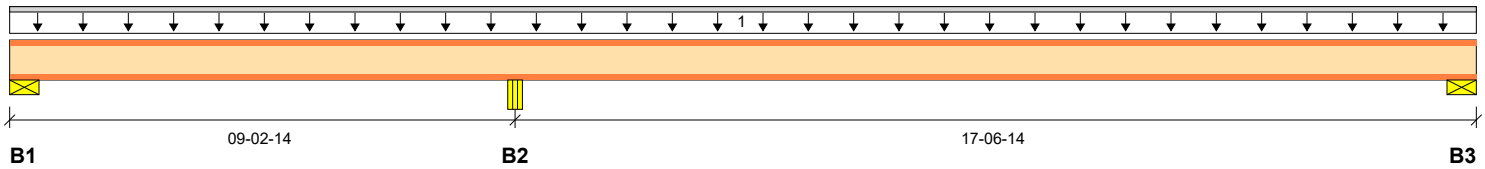
PASSED

Foundation\Floor Joists\J5-16" O.C.(i894) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i894)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 26-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/8"	231 / 138	23 / 0			
B2, 5-3/4"	943 / 0	236 / 0			
B3, 4-3/8"	404 / 10	98 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	26-09-12	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1748 ft-lbs	64.1%	100%	3	19-02-00
Neg. Moment	-1786 ft-lbs	65.5%	100%	1	09-02-14
End Reaction	503 lbs	44.7%	100%	3	26-09-12
Int. Reaction	1178 lbs	46.7%	100%	1	09-02-14
End Shear	479 lbs	32.4%	100%	3	26-05-06
Cont. Shear	663 lbs	45.0%	100%	1	09-05-12
Total Load Deflection	L/500 (0.414")	72.0%	n\a	3	18-05-05
Live Load Deflection	L/616 (0.337")	78.0%	n\a	6	18-05-05
Total Neg. Defl.	L/999 (-0.054")	n\a	n\a	3	05-06-03
Max Defl.	0.414"	41.4%	n\a	3	18-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-7/8" x 2"	255 lbs	10.4%	23.8%	Unspecified
B1	Uplift		114 lbs			
B2	Beam	5-3/4" x 2"	1178 lbs	25.2%	46.7%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	503 lbs	13.5%	44.7%	Unspecified

Cautions

Uplift of -114 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

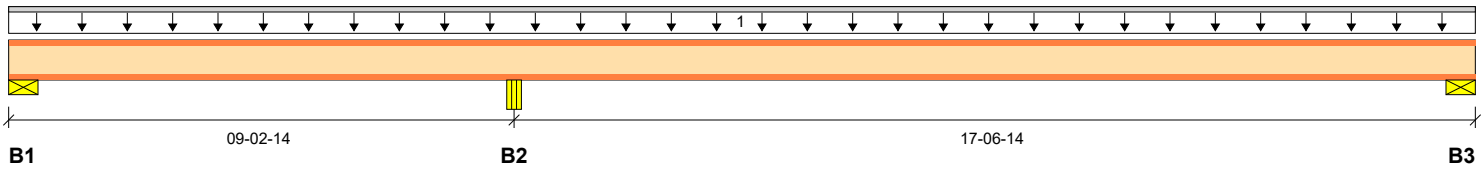
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J5-16" O.C.(i894) - 01 (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i894)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 26-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/8"	231 / 138	23 / 0			
B2, 5-3/4"	943 / 0	236 / 0			
B3, 4-3/8"	404 / 10	98 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	26-09-12	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1748 ft-lbs	64.1%	100%	3	19-02-00
Neg. Moment	-1786 ft-lbs	65.5%	100%	1	09-02-14
End Reaction	503 lbs	44.7%	100%	3	26-09-12
Int. Reaction	1178 lbs	46.7%	100%	1	09-02-14
End Shear	479 lbs	32.4%	100%	3	26-05-06
Cont. Shear	663 lbs	45.0%	100%	1	09-05-12
Total Load Deflection	L/500 (0.414")	72.0%	n\a	3	18-05-05
Live Load Deflection	L/616 (0.337")	78.0%	n\a	6	18-05-05
Total Neg. Defl.	L/999 (-0.054")	n\a	n\a	3	05-06-03
Max Defl.	0.414"	41.4%	n\a	3	18-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-7/8" x 2"	255 lbs	10.4%	23.8%	Unspecified
B1	Uplift		114 lbs			
B2	Beam	5-3/4" x 2"	1178 lbs	25.2%	46.7%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	503 lbs	13.5%	44.7%	Unspecified

Cautions

Uplift of -114 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

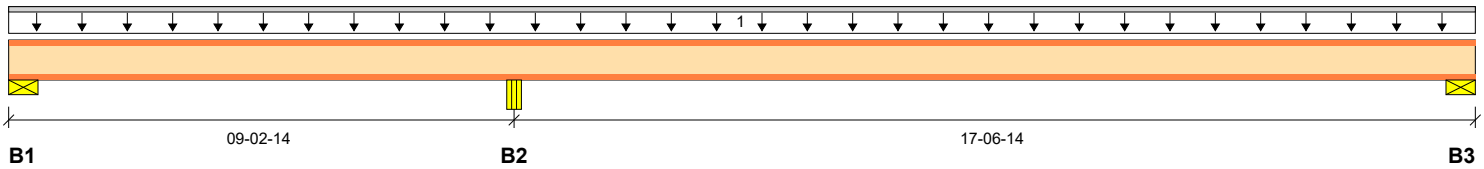
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J5-16" O.C.(i894) - 02 (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i894)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 26-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/8"	231 / 138	23 / 0			
B2, 5-3/4"	943 / 0	236 / 0			
B3, 4-3/8"	404 / 10	98 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	26-09-12	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1748 ft-lbs	64.1%	100%	3	19-02-00
Neg. Moment	-1786 ft-lbs	65.5%	100%	1	09-02-14
End Reaction	503 lbs	44.7%	100%	3	26-09-12
Int. Reaction	1178 lbs	46.7%	100%	1	09-02-14
End Shear	479 lbs	32.4%	100%	3	26-05-06
Cont. Shear	663 lbs	45.0%	100%	1	09-05-12
Total Load Deflection	L/500 (0.414")	72.0%	n\a	3	18-05-05
Live Load Deflection	L/616 (0.337")	78.0%	n\a	6	18-05-05
Total Neg. Defl.	L/999 (-0.054")	n\a	n\a	3	05-06-03
Max Defl.	0.414"	41.4%	n\a	3	18-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-7/8" x 2"	255 lbs	10.4%	23.8%	Unspecified
B1	Uplift		114 lbs			
B2	Beam	5-3/4" x 2"	1178 lbs	25.2%	46.7%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	503 lbs	13.5%	44.7%	Unspecified

Cautions

Uplift of -114 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

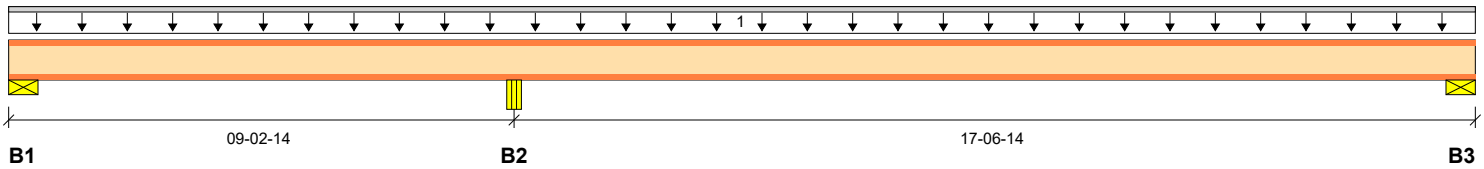
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J5-16" O.C.(i894) - 03 (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i894)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 26-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/8"	231 / 138	23 / 0			
B2, 5-3/4"	943 / 0	236 / 0			
B3, 4-3/8"	404 / 10	98 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	26-09-12	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1748 ft-lbs	64.1%	100%	3	19-02-00
Neg. Moment	-1786 ft-lbs	65.5%	100%	1	09-02-14
End Reaction	503 lbs	44.7%	100%	3	26-09-12
Int. Reaction	1178 lbs	46.7%	100%	1	09-02-14
End Shear	479 lbs	32.4%	100%	3	26-05-06
Cont. Shear	663 lbs	45.0%	100%	1	09-05-12
Total Load Deflection	L/500 (0.414")	72.0%	n\a	3	18-05-05
Live Load Deflection	L/616 (0.337")	78.0%	n\a	6	18-05-05
Total Neg. Defl.	L/999 (-0.054")	n\a	n\a	3	05-06-03
Max Defl.	0.414"	41.4%	n\a	3	18-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-7/8" x 2"	255 lbs	10.4%	23.8%	Unspecified
B1	Uplift		114 lbs			
B2	Beam	5-3/4" x 2"	1178 lbs	25.2%	46.7%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	503 lbs	13.5%	44.7%	Unspecified

Cautions

Uplift of -114 lbs found at bearing B1.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

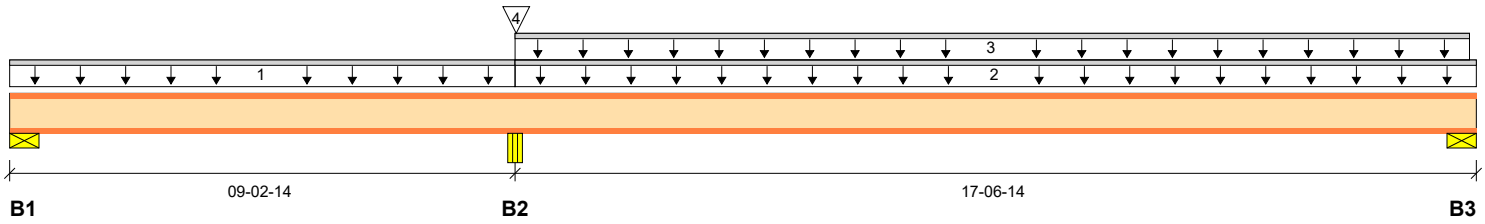
Single 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J5-16" O.C.(i900) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i900)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 26-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	220 / 148	18 / 0			
B2, 5-3/4"	1026 / 0	270 / 0			
B3, 4-3/8"	423 / 9	103 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-02-14	Top	50	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-02-14	26-09-12	Top	30	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-02-14	26-08-04	Top	27	7				n\a
4	6(i54)	Conc. Pt. (lbs)	L	09-03-02	09-03-02	Top	65	30				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1843 ft-lbs	67.6%	100%	3	19-02-00
Neg. Moment	-1856 ft-lbs	68.1%	100%	1	09-02-14
End Reaction	526 lbs	46.8%	100%	3	26-09-12
Int. Reaction	1297 lbs	51.4%	100%	1	09-02-14
End Shear	505 lbs	34.2%	100%	3	26-05-06
Cont. Shear	698 lbs	47.3%	100%	1	09-05-12
Total Load Deflection	L/474 (0.437")	75.9%	n\a	3	18-05-05
Live Load Deflection	L/585 (0.354")	82.1%	n\a	6	18-05-05
Total Neg. Defl.	L/999 (-0.057")	n\a	n\a	3	05-06-12
Max Defl.	0.437"	43.7%	n\a	3	18-05-05
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	238 lbs	6.4%	21.2%	Unspecified
B1	Uplift		130 lbs			
B2	Beam	5-3/4" x 2"	1297 lbs	27.7%	51.4%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	526 lbs	14.2%	46.8%	Unspecified

Cautions

Uplift of -130 lbs found at bearing B1.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i900)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

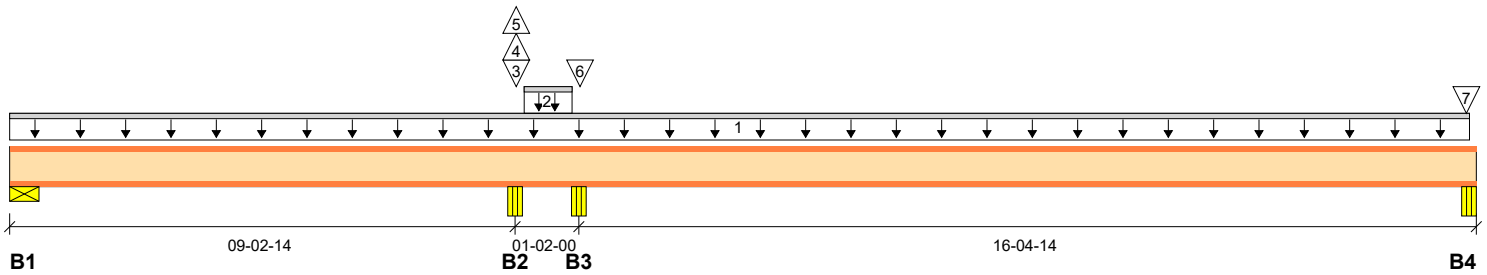
PASSED

Foundation\Floor Joists\J5-16" O.C.(i901) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i901)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 26-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	220 / 46	44 / 0			
B2, 5-3/4"	541 / 1056	0 / 1841			
B3, 4"	1324 / 197	318 / 0			
B4, 4-3/8"	371 / 4	134 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	26-08-04	Top	53	13				n\a
2	26(i73)	Unf. Lin. (lb/ft)	L	09-04-14	10-03-06	Top		57				n\a
3	6(i54)	Conc. Pt. (lbs)	L	09-03-02	09-03-02	Top	36	39				n\a
4	6(i54)	Conc. Pt. (lbs)	L	09-03-02	09-03-02	Top		-1857				n\a
5	6(i54)	Conc. Pt. (lbs)	L	09-03-02	09-03-02	Top	-364					n\a
6	11(i57)	Conc. Pt. (lbs)	L	10-05-02	10-05-02	Top	47	22				n\a
7	E4(i38)	Conc. Pt. (lbs)	L	26-07-09	26-07-09	Top		45				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1434 ft-lbs	52.6%	100%	7	19-10-03
Neg. Moment	-1673 ft-lbs	61.4%	100%	1	10-04-14
End Reaction	505 lbs	44.9%	100%	7	26-09-12
Int. Reaction	1642 lbs	73.7%	100%	6	10-04-14
End Shear	433 lbs	29.4%	100%	6	26-05-06
Cont. Shear	923 lbs	62.5%	100%	6	10-02-14
Total Load Deflection	L/659 (0.293")	54.7%	n\a	7	19-02-03
Live Load Deflection	L/817 (0.236")	58.7%	n\a	15	19-02-03
Total Neg. Defl.	L/999 (-0.013")	n\a	n\a	6	06-00-01
Max Defl.	0.293"	29.3%	n\a	7	19-02-03
Span / Depth	20.3				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	264 lbs	7.1%	23.5%	Unspecified
B2	Beam	5-3/4" x 2"	0 lbs	n\a	n\a	Unspecified
B2	Uplift		2897 lbs			
B3	Beam	4" x 2"	1642 lbs	50.4%	73.7%	Unspecified
B4	Beam	4-3/8" x 2"	505 lbs	14.3%	44.9%	Unspecified

Cautions

Uplift of -2897 lbs found at bearing B2.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i901)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

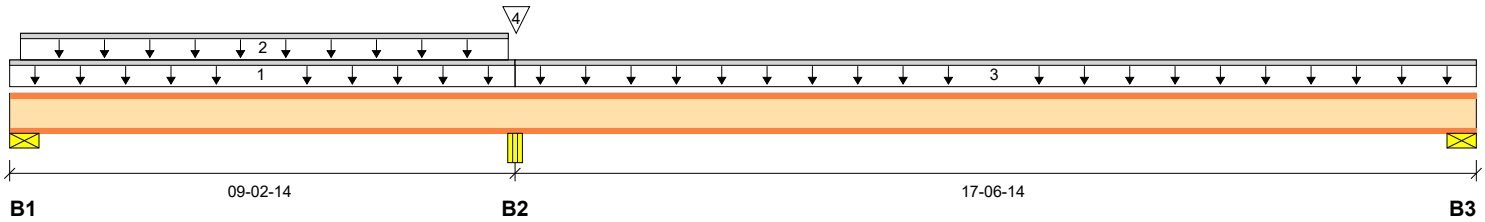
PASSED

Foundation\Floor Joists\J5-16" O.C.(i998) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i998)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 26-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-5/8"	248 / 131	190 / 0			
B2, 5-3/4"	1099 / 0	569 / 0			
B3, 4-3/8"	382 / 11	85 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-02-14	Top	57	14				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-06	09-01-06	Top		39				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-02-14	26-09-12	Top	50	13				n\a
4	6(i54)	Conc. Pt. (lbs)	L	09-03-02	09-03-02	Top	177	148				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1596 ft-lbs	58.6%	100%	3	19-04-14
Neg. Moment	-1841 ft-lbs	67.6%	100%	1	09-02-14
End Reaction	468 lbs	41.6%	100%	3	26-09-12
Int. Reaction	1668 lbs	66.1%	100%	1	09-02-14
End Shear	445 lbs	30.1%	100%	3	26-05-06
Cont. Shear	671 lbs	45.5%	100%	1	09-00-00
Total Load Deflection	L/556 (0.373")	64.8%	n\a	3	18-06-13
Live Load Deflection	L/652 (0.318")	73.6%	n\a	6	18-05-05
Total Neg. Defl.	L/999 (-0.025")	n\a	n\a	3	06-05-02
Max Defl.	0.373"	37.3%	n\a	3	18-06-13
Span / Depth	21.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-5/8" x 2"	438 lbs	14.2%	38.9%	Unspecified
B2	Beam	5-3/4" x 2"	1668 lbs	35.7%	66.1%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	468 lbs	12.6%	41.6%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J5-16" O.C.(i998)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

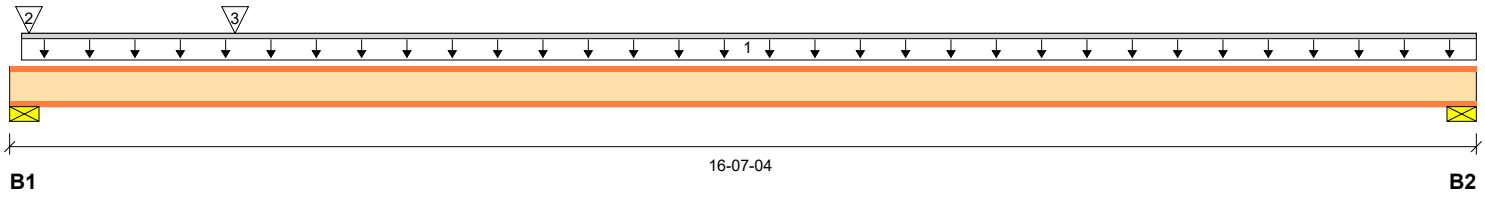
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i1017) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i1017)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	890 / 0	369 / 0			
B2, 4-3/8"	429 / 0	118 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	16-07-04	Top	52	13				n\a
2	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	468	201				n\a
3	46(i93)	Conc. Pt. (lbs)	L	02-06-10	02-06-10	Top		73				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2150 ft-lbs	39.4%	100%	1	08-02-05
End Reaction	1259 lbs	56.0%	100%	1	00-00-00
End Shear	575 lbs	19.5%	100%	1	00-04-06
Total Load Deflection	L/711 (0.27")	50.6%	n\a	1	08-03-09
Live Load Deflection	L/930 (0.206")	51.6%	n\a	2	08-03-09
Max Defl.	0.27"	27.0%	n\a	1	08-03-09
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 4"	1259 lbs	16.9%	56.0%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	546 lbs	7.3%	24.3%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Double 9-1/2" BCI® 5000s-1.8

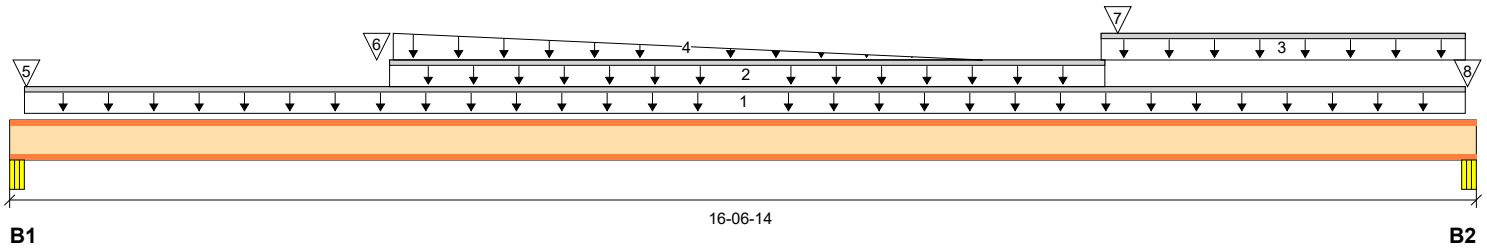
PASSED

Foundation\Floor Joists\J8-16" O.C.(i1019) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i1019)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-06-14

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4"	464 / 0	491 / 0			
B2, 4-3/8"	219 / 0	385 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-00	16-05-06	Top	27	7				n\a
2	19(i65)	Unf. Lin. (lb/ft)	L	04-03-08	12-04-08	Top		57				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-04-00	16-05-06	Top		10				n\a
4	FC1 Floor Decking (Plan View Fill)	Trapezoidal (lb/ft)	L	04-04-00	11-00-00	Top		7 0				n\a
5	9(i56)	Conc. Pt. (lbs)	L	00-02-04	00-02-04	Top	248	149				n\a
6	20(i66)	Conc. Pt. (lbs)	L	04-01-12	04-01-12	Top		38				n\a
7	18(i67)	Conc. Pt. (lbs)	L	12-06-04	12-06-04	Top		38				n\a
8	E2(i31)	Conc. Pt. (lbs)	L	16-05-11	16-05-11	Top		11				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2714 ft-lbs	49.8%	100%	1	08-03-08
End Reaction	955 lbs	42.4%	100%	1	00-00-00
End Shear	582 lbs	19.7%	100%	1	16-02-08
Total Load Deflection	L/576 (0.333")	62.5%	n\a	1	08-03-08
Live Load Deflection	L/999 (0.107")	n\a	n\a	2	08-03-08
Max Defl.	0.333"	33.3%	n\a	1	08-03-08
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	4" x 4"	955 lbs	14.7%	42.4%	Unspecified
B2	Beam	4-3/8" x 4"	604 lbs	8.5%	26.8%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

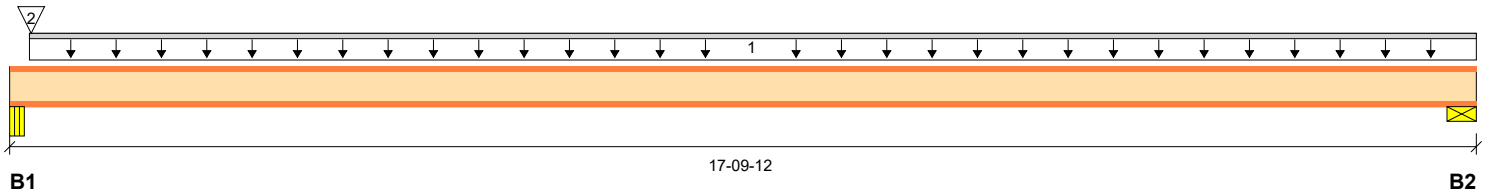
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i1036) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i1036)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 17-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 5-3/4"	529 / 0	238 / 0			
B2, 4-3/8"	472 / 0	118 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	17-09-12	Top	53	13				n\a
2	6(i54)	Conc. Pt. (lbs)	L	00-03-02	00-03-02	Top	64	122				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2435 ft-lbs	44.7%	100%	1	08-11-09
End Reaction	768 lbs	34.1%	100%	1	00-00-00
End Shear	566 lbs	19.2%	100%	1	00-05-12
Total Load Deflection	L/597 (0.344")	60.3%	n\a	1	08-11-09
Live Load Deflection	L/746 (0.275")	64.4%	n\a	2	08-11-09
Max Defl.	0.344"	34.4%	n\a	1	08-11-09
Span / Depth	21.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	5-3/4" x 4"	768 lbs	8.2%	34.1%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	590 lbs	7.9%	26.2%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

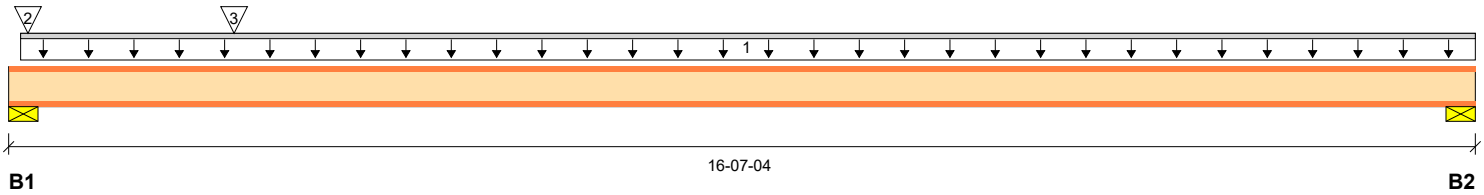
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i1044) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i1044)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	525 / 0	272 / 0			
B2, 4-3/8"	304 / 0	84 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	16-07-04	Top	37	9				n\a
2	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	226	147				n\a
3	46(i93)	Conc. Pt. (lbs)	L	02-06-10	02-06-10	Top		59				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1531 ft-lbs	28.1%	100%	1	08-02-05
End Reaction	797 lbs	35.4%	100%	1	00-00-00
End Shear	414 lbs	14.0%	100%	1	00-04-06
Total Load Deflection	L/998 (0.192")	36.1%	n\a	1	08-02-05
Live Load Deflection	L/1313 (0.146")	36.5%	n\a	2	08-03-09
Max Defl.	0.192"	19.2%	n\a	1	08-02-05
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 4"	797 lbs	10.7%	35.4%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	388 lbs	5.2%	17.2%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

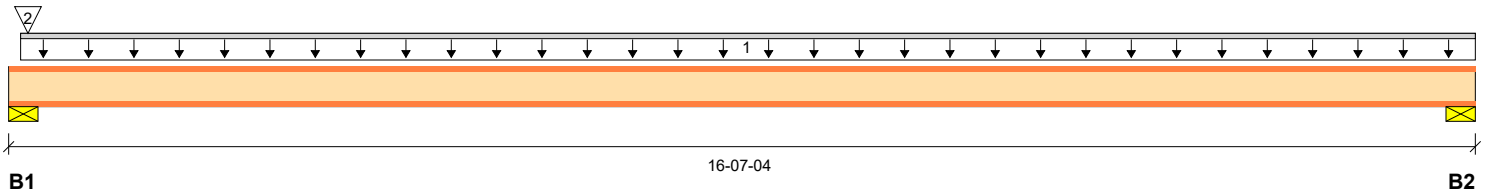
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i1052) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i1052)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	912 / 0	381 / 0			
B2, 4-3/8"	443 / 0	111 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	16-07-04	Top	53	13				n\a
2	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	476	272				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2133 ft-lbs	39.1%	100%	1	08-03-10
End Reaction	1292 lbs	57.4%	100%	1	00-00-00
End Shear	529 lbs	17.9%	100%	1	00-04-06
Total Load Deflection	L/721 (0.266")	49.9%	n\a	1	08-03-10
Live Load Deflection	L/901 (0.213")	53.3%	n\a	2	08-03-10
Max Defl.	0.266"	26.6%	n\a	1	08-03-10
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 4"	1292 lbs	17.4%	57.4%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	553 lbs	7.4%	24.6%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

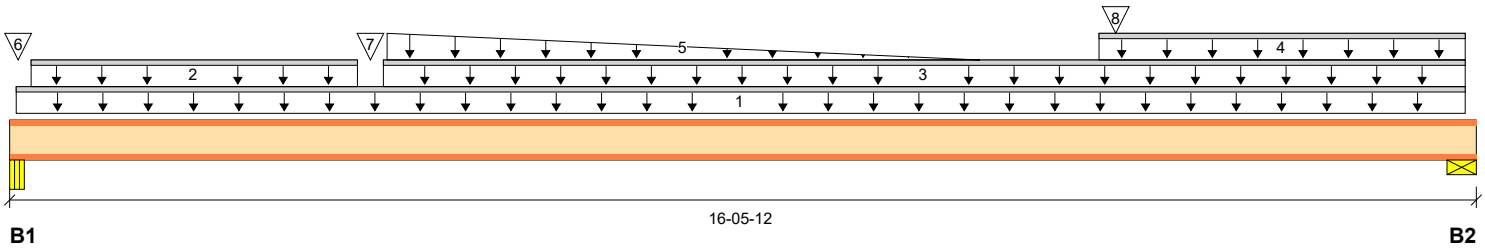
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i913) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i913)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-05-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/8"	660 / 0	381 / 0			
B2, 4-3/8"	374 / 0	255 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-14	16-04-04	Top	20	5				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	03-10-14	Top	13	3				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-02-06	16-04-04	Top	27	7				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-02-14	16-04-04	Top		23				n\a
5	FC1 Floor Decking (Plan View Fill)	Trapezoidal (lb/ft)	L	04-02-14	10-10-14	Top		10 0				n\a
6	9(i56)	Conc. Pt. (lbs)	L	00-01-02	00-01-02	Top	334	217				n\a
7	20(i66)	Conc. Pt. (lbs)	L	04-00-10	04-00-10	Top		47				n\a
8	18(i67)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		68				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2202 ft-lbs	40.4%	100%	1	08-04-14
End Reaction	1041 lbs	48.6%	100%	1	00-00-00
End Shear	609 lbs	20.7%	100%	1	16-01-06
Total Load Deflection	L/693 (0.277")	52.0%	n\a	1	08-02-06
Live Load Deflection	L/1078 (0.178")	44.5%	n\a	2	08-02-06
Max Defl.	0.277"	27.7%	n\a	1	08-02-06
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/8" x 4"	1041 lbs	22.2%	48.6%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	629 lbs	8.5%	27.9%	Unspecified

Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i913) (Floor Joist)

BC CALC® Member Report | Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i913)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

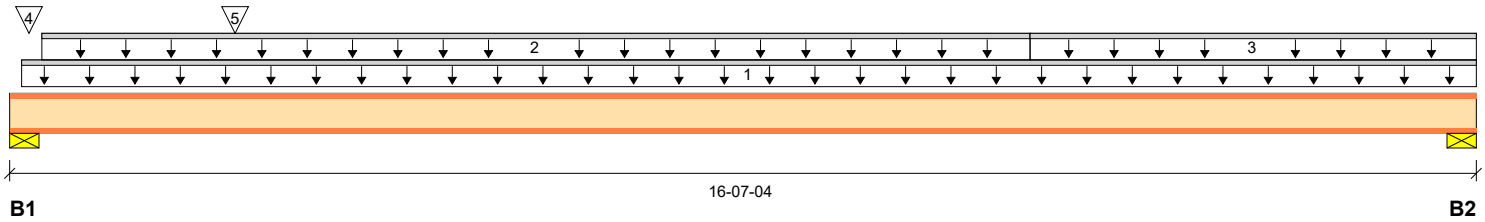
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i920) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i920)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	843 / 0	379 / 0			
B2, 4-3/8"	426 / 0	120 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	16-07-04	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-04-06	11-06-10	Top	26	7				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	11-06-10	16-07-04	Top	23	6				n\a
4	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	420	192				n\a
5	49(i95)	Conc. Pt. (lbs)	L	02-06-10	02-06-10	Top		94				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2199 ft-lbs	40.3%	100%	1	08-00-07
End Reaction	1222 lbs	54.3%	100%	1	00-00-00
End Shear	602 lbs	20.4%	100%	1	00-04-06
Total Load Deflection	L/696 (0.276")	51.8%	n\a	1	08-02-02
Live Load Deflection	L/920 (0.209")	52.2%	n\a	2	08-03-13
Max Defl.	0.276"	27.6%	n\a	1	08-02-02
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 4"	1222 lbs	16.4%	54.3%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	545 lbs	7.3%	24.2%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Double 9-1/2" BCI® 5000s-1.8

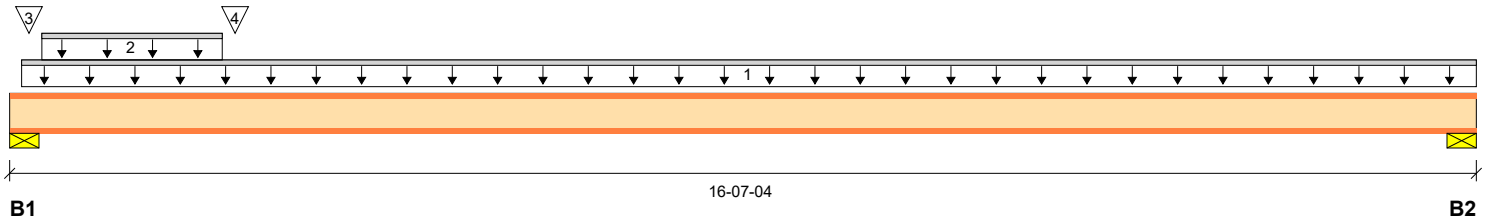
PASSED

Foundation\Floor Joists\J8-16" O.C.(i921) (Floor Joist)

BC CALC® Member Report | Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i921)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	920 / 0	434 / 0			
B2, 4-3/8"	443 / 0	127 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	16-07-04	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-04-06	02-04-14	Top		22				n\a
3	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	484	203				n\a
4	49(i95)	Conc. Pt. (lbs)	L	02-06-10	02-06-10	Top		92				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2264 ft-lbs	41.5%	100%	1	08-01-02
End Reaction	1353 lbs	60.1%	100%	1	00-00-00
End Shear	651 lbs	22.1%	100%	1	00-04-06
Total Load Deflection	L/674 (0.285")	53.4%	n\a	1	08-02-05
Live Load Deflection	L/901 (0.213")	53.3%	n\a	2	08-04-12
Max Defl.	0.285"	28.5%	n\a	1	08-02-05
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 4"	1353 lbs	18.2%	60.1%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	570 lbs	7.7%	25.3%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

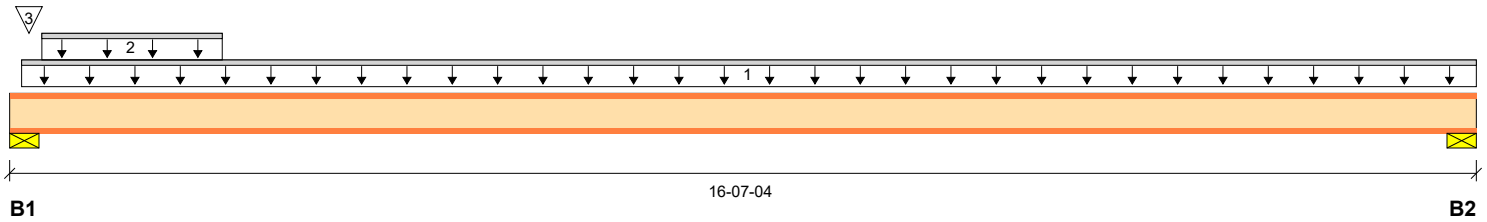
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i922) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i922)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	920 / 0	377 / 0			
B2, 4-3/8"	443 / 0	115 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	16-07-04	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-04-06	02-04-14	Top		34				n\a
3	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	484	203				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2171 ft-lbs	39.8%	100%	1	08-03-13
End Reaction	1297 lbs	57.6%	100%	1	00-00-00
End Shear	595 lbs	20.2%	100%	1	00-04-06
Total Load Deflection	L/706 (0.272")	51.0%	n\a	1	08-03-13
Live Load Deflection	L/901 (0.213")	53.3%	n\a	2	08-03-13
Max Defl.	0.272"	27.2%	n\a	1	08-03-13
Span / Depth	20.2				

Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 4"	1297 lbs	17.4%	57.6%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	558 lbs	7.5%	24.8%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Double 9-1/2" BCI® 5000s-1.8

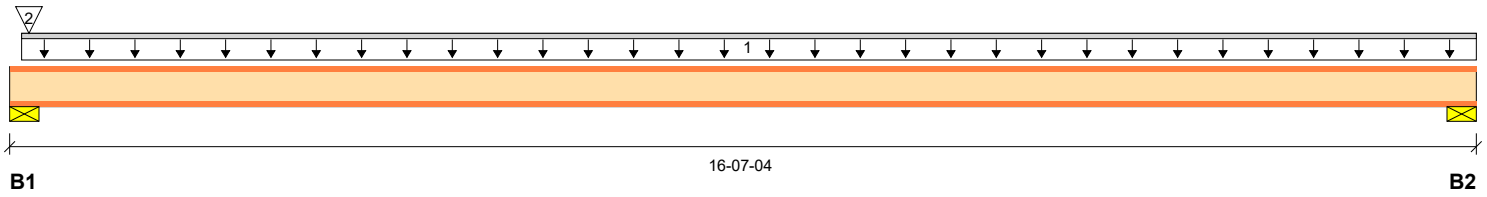
PASSED

Foundation\Floor Joists\J8-16" O.C.(i923) (Floor Joist)

BC CALC® Member Report | Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i923)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	883 / 0	297 / 0			
B2, 4-3/8"	443 / 0	111 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	16-07-04	Top	53	13				n\a
2	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	447	188				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2133 ft-lbs	39.1%	100%	1	08-03-10
End Reaction	1179 lbs	52.4%	100%	1	00-00-00
End Shear	529 lbs	17.9%	100%	1	00-04-06
Total Load Deflection	L/721 (0.266")	49.9%	n\a	1	08-03-10
Live Load Deflection	L/901 (0.213")	53.3%	n\a	2	08-03-10
Max Defl.	0.266"	26.6%	n\a	1	08-03-10
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 4"	1179 lbs	15.9%	52.4%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	553 lbs	7.4%	24.6%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

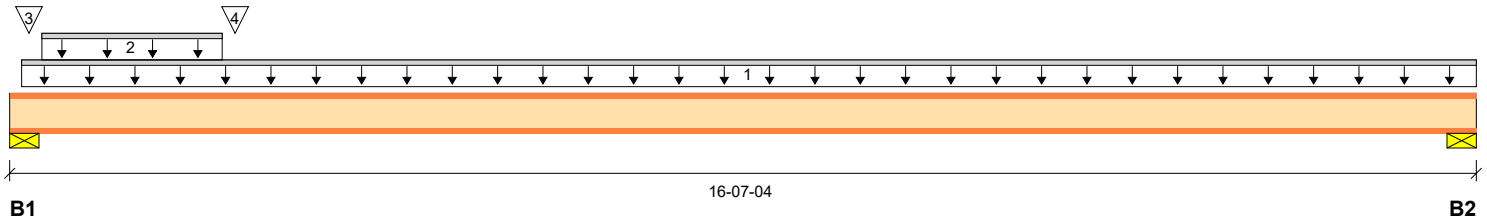
Double 9-1/2" BCI® 5000s-1.8

PASSED

Foundation\Floor Joists\J8-16" O.C.(i925) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J8-16" O.C.(i925)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	908 / 0	461 / 0			
B2, 4-3/8"	443 / 0	126 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	16-07-04	Top	53	13				n\a
2	47(i94)	Unf. Lin. (lb/ft)	L	00-04-06	02-04-14	Top		57				n\a
3	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	472	198				n\a
4	46(i93)	Conc. Pt. (lbs)	L	02-06-10	02-06-10	Top		54				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2258 ft-lbs	41.4%	100%	1	07-11-15
End Reaction	1369 lbs	60.8%	100%	1	00-00-00
End Shear	683 lbs	23.2%	100%	1	00-04-06
Total Load Deflection	L/675 (0.284")	53.3%	n\a	1	08-02-05
Live Load Deflection	L/901 (0.213")	53.3%	n\a	2	08-03-09
Max Defl.	0.284"	28.4%	n\a	1	08-02-05
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 4"	1369 lbs	18.4%	60.8%	Unspecified
B2	Wall/Plate	4-3/8" x 4"	569 lbs	7.6%	25.3%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

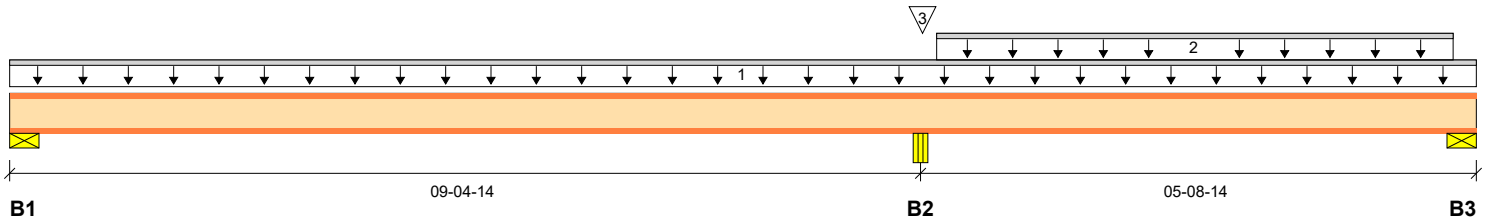
PASSED

Foundation\Floor Joists\J9-16" O.C.(i1025) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J9-16" O.C.(i1025)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 15-01-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	154 / 5	35 / 0			
B2, 5-3/4"	339 / 0	146 / 0			
B3, 4-3/8"	102 / 38	62 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	15-01-12	Top	37	9				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	14-10-14	Top		18				n\a
3	12(i59)	Conc. Pt. (lbs)	L	09-05-02	09-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	338 ft-lbs	12.4%	100%	2	04-02-07
Neg. Moment	-336 ft-lbs	12.3%	100%	1	09-04-14
End Reaction	189 lbs	16.8%	100%	2	00-00-00
Int. Reaction	484 lbs	19.2%	100%	1	09-04-14
End Shear	173 lbs	11.7%	100%	2	00-04-06
Cont. Shear	233 lbs	15.8%	100%	1	09-02-00
Total Load Deflection	L/999 (0.029")	n\a	n\a	2	04-07-13
Live Load Deflection	L/999 (0.024")	n\a	n\a	5	04-07-13
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	2	10-05-15
Max Defl.	0.029"	n\a	n\a	2	04-07-13
Span / Depth	11.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	189 lbs	5.1%	16.8%	Unspecified
B2	Beam	5-3/4" x 2"	484 lbs	10.4%	19.2%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	164 lbs	4.4%	14.5%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER® , AJS™, ALLJOIST® , BC RIM BOARD™, BCI® , BOISE GLULAM™, BC FloorValue® , VERSA-LAM®, VERSA-RIM PLUS® ,

Single 9-1/2" BCI® 5000s-1.8

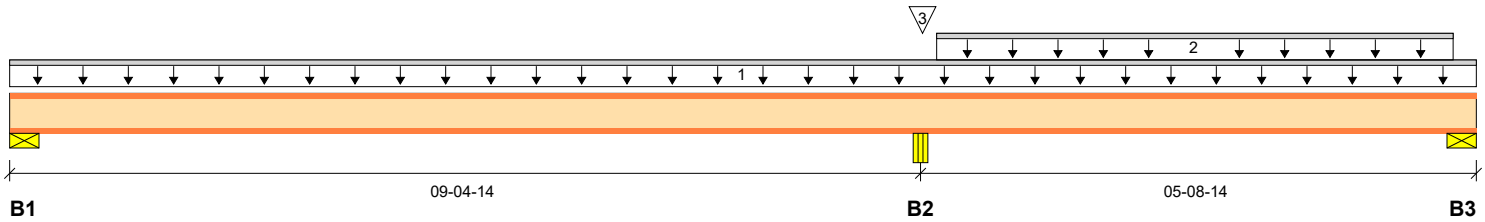
PASSED

Foundation\Floor Joists\J9-16" O.C.(i1050) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Floor Joists\J9-16" O.C.(i1050)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 15-01-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	217 / 7	49 / 0			
B2, 5-3/4"	476 / 0	203 / 0			
B3, 4-3/8"	143 / 54	90 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	-	Unf. Lin. (lb/ft)	L	00-00-00	15-01-12	Top	51	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-06-14	14-10-14	Top		26				n\a
3	12(i59)	Conc. Pt. (lbs)	L	09-05-02	09-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	474 ft-lbs	17.4%	100%	2	04-02-07
Neg. Moment	-472 ft-lbs	17.3%	100%	1	09-04-14
End Reaction	266 lbs	23.6%	100%	2	00-00-00
Int. Reaction	679 lbs	26.9%	100%	1	09-04-14
End Shear	243 lbs	16.4%	100%	2	00-04-06
Cont. Shear	328 lbs	22.2%	100%	1	09-02-00
Total Load Deflection	L/999 (0.04")	n\a	n\a	2	04-07-13
Live Load Deflection	L/999 (0.034")	n\a	n\a	5	04-07-13
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	2	10-05-04
Max Defl.	0.04"	n\a	n\a	2	04-07-13
Span / Depth	11.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 2"	266 lbs	7.1%	23.6%	Unspecified
B2	Beam	5-3/4" x 2"	679 lbs	14.5%	26.9%	Unspecified
B3	Wall/Plate	4-3/8" x 2"	233 lbs	6.3%	20.7%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER® , AJS™, ALLJOIST® , BC RIM BOARD™, BCI® , BOISE GLULAM™, BC FloorValue® , VERSA-LAM®, VERSA-RIM PLUS® ,

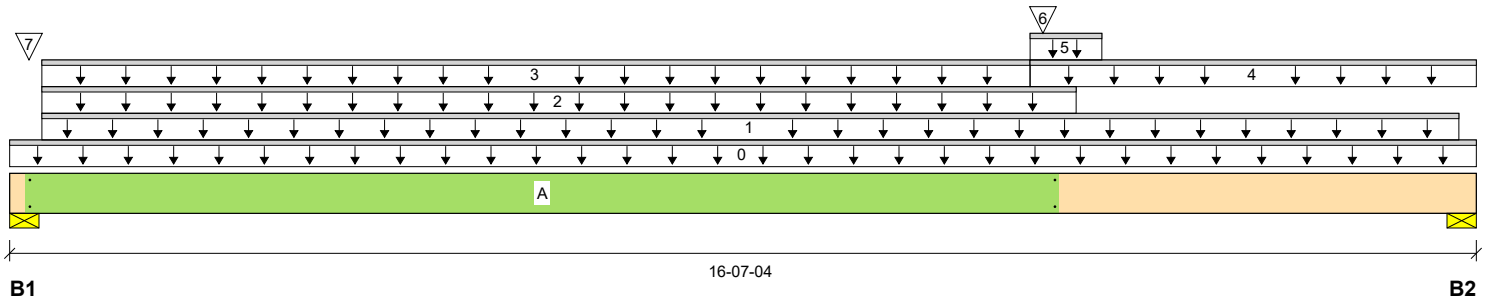
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B1-2(i728) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B1-2(i728)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-07-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	602 / 0	1284 / 0			
B2, 4-3/8"	606 / 0	1015 / 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	16-07-04	Top		10				00-00-00
1	-	Unf. Lin. (lb/ft)	L	00-04-06	16-04-14	Top		57				n\a
2	16(i63)	Unf. Lin. (lb/ft)	L	00-04-06	12-00-14	Top	13	63				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-04-06	11-06-10	Top	26	7				n\a
4	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	11-06-10	16-07-04	Top	53	13				n\a
5	16(i63)	Unf. Lin. (lb/ft)	L	11-06-10	12-04-06	Top	211	144				n\a
6	B8-2(i858)	Conc. Pt. (lbs)	L	11-08-06	11-08-06	Front	124	49				n\a
7	2(i52)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	193	188				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	6513 ft-lbs	46.7%	100%	1	08-11-07
End Shear	1479 lbs	23.4%	100%	1	15-05-06
Total Load Deflection	L/319 (0.602")	75.3%	n\a	1	08-05-09
Live Load Deflection	L/1003 (0.191")	35.9%	n\a	2	08-07-09
Max Defl.	0.602"	60.2%	n\a	1	08-05-09
Span / Depth	20.2				

Bearing Supports

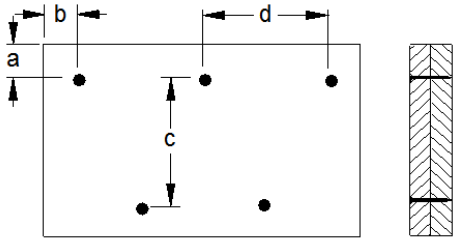
		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 3-1/2"	1886 lbs	29.0%	16.4%	Unspecified
B2	Wall/Plate	4-3/8" x 3-1/2"	1621 lbs	24.9%	14.1%	Unspecified

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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 11-02-04.

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B1-2(i728)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member

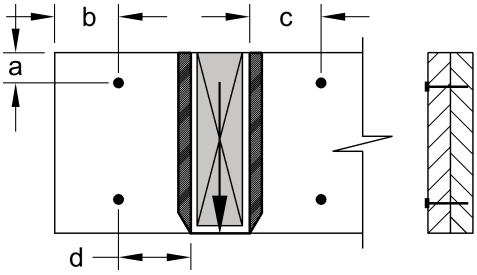


a minimum = 2"
b minimum = 3"
c = 5-1/2"
d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Connection Diagrams: Concentrated Side Loads

Connection Tag: A Applies to load tag(s): 6+9



a minimum = 2"
b minimum = 4"
c minimum = 4"
d maximum = 12"
Connectors are: 4 x 3-1/4 in. Pneumatic Gun Nails

Disclosure

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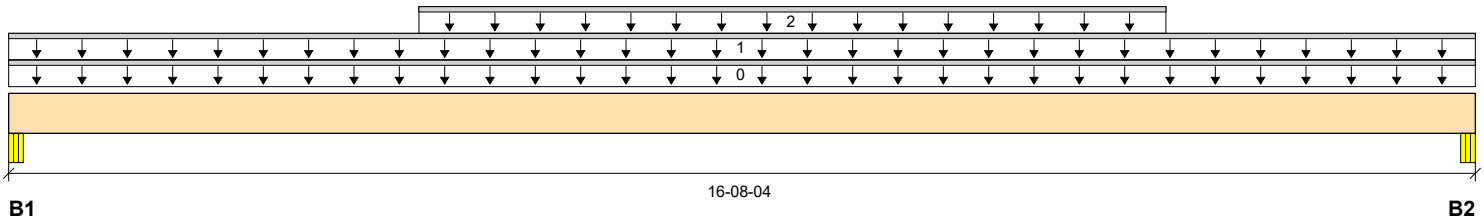
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B1-2(i752) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B1-2(i752)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-08-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4"	221 / 0	186 / 0			
B2, 5-3/4"	224 / 0	194 / 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	16-08-04	Top		10				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	16-08-04	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-08-00	13-02-00	Top		13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1684 ft-lbs	12.1%	100%	1	08-04-10
End Shear	364 lbs	5.8%	100%	1	15-05-00
Total Load Deflection	L/1248 (0.154")	19.2%	n\a	1	08-04-10
Live Load Deflection	L/999 (0.079")	n\a	n\a	2	08-04-10
Max Defl.	0.154"	15.4%	n\a	1	08-04-10
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	4" x 3-1/2"	406 lbs	7.1%	3.8%	Unspecified
B2	Beam	5-3/4" x 3-1/2"	419 lbs	5.1%	2.8%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 15-10-08.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

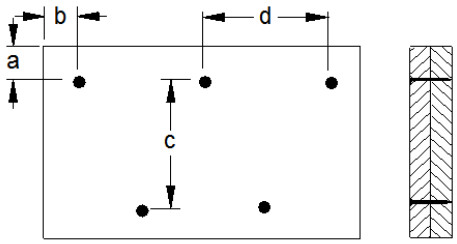
PASSED

Foundation\Flush Beams\B1-2(i752) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B1-2(i752)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

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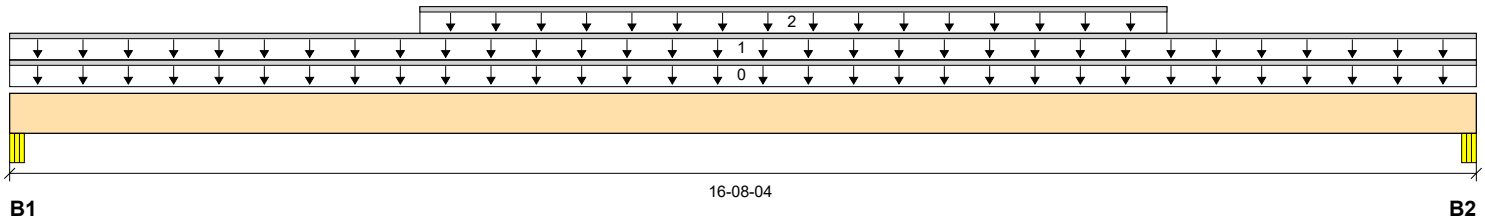
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B1-2(i875) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B1-2(i875)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-08-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4"	221 / 0	187 / 0			
B2, 5-3/4"	224 / 0	198 / 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	16-08-04	Top		10				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	16-08-04	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	04-08-00	13-02-00	Top		13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1705 ft-lbs	12.2%	100%	1	08-04-10
End Shear	368 lbs	5.8%	100%	1	15-05-00
Total Load Deflection	L/1233 (0.156")	19.5%	n\a	1	08-04-10
Live Load Deflection	L/999 (0.079")	n\a	n\a	2	08-04-10
Max Defl.	0.156"	15.6%	n\a	1	08-04-10
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	4" x 3-1/2"	408 lbs	7.2%	3.9%	Unspecified
B2	Beam	5-3/4" x 3-1/2"	423 lbs	5.2%	2.8%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 15-10-08.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

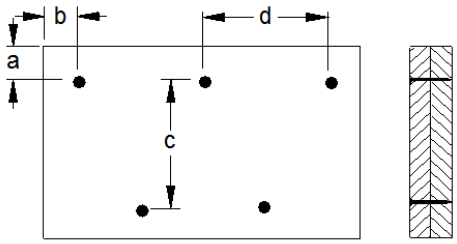
PASSED

Foundation\Flush Beams\B1-2(i875) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B1-2(i875)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2"
b minimum = 3"
c = 5-1/2"
d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

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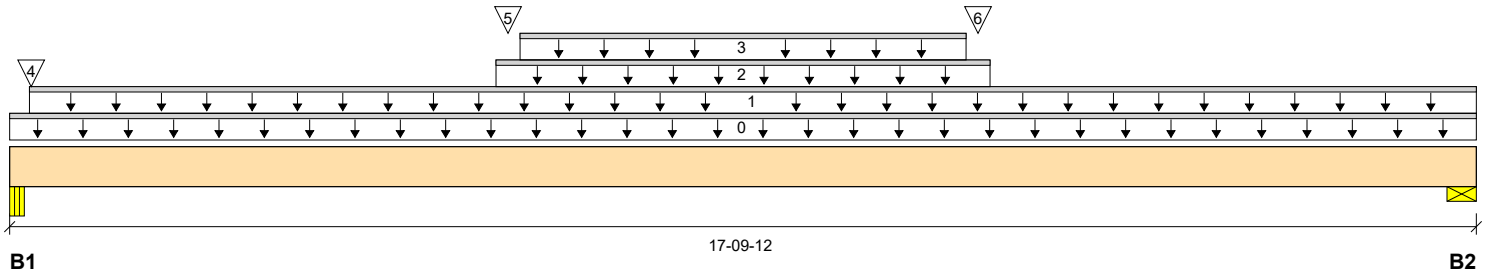
Triple 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B2-3(i865) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B2-3(i865)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 17-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 5-3/4"	233 / 0	443 / 0			
B2, 4-3/8"	236 / 0	409 / 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	17-09-12	Top		14				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	17-09-12	Top	27	7				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-10-14	11-10-14	Top		11				n\a
3	44(i91)	Unf. Lin. (lb/ft)	L	06-02-06	11-07-06	Top		57				n\a
4	8(i53)	Conc. Pt. (lbs)	L	00-03-02	00-03-02	Top		30				n\a
5	43(i92)	Conc. Pt. (lbs)	L	06-00-10	06-00-10	Top		37				n\a
6	45(i90)	Conc. Pt. (lbs)	L	11-09-02	11-09-02	Top		37				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3295 ft-lbs	15.7%	100%	1	08-10-14
End Shear	593 lbs	6.3%	100%	1	01-03-04
Total Load Deflection	L/921 (0.223")	26.1%	n\a	1	08-10-14
Live Load Deflection	L/999 (0.068")	n\a	n\a	2	08-10-14
Max Defl.	0.223"	22.3%	n\a	1	08-10-14
Span / Depth	21.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	5-3/4" x 5-1/4"	676 lbs	5.5%	3.0%	Unspecified
B2	Wall/Plate	4-3/8" x 5-1/4"	645 lbs	6.6%	3.7%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 16-11-10.

Triple 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

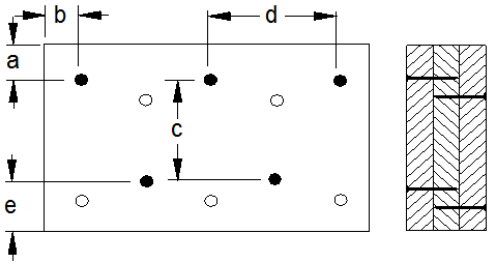
Foundation\Flush Beams\B2-3(i865) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B2-3(i865)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2"
b minimum = 3"
c = 4-1/2"
d = 24"
e minimum = 3"

Calculated Side Load = 0.0 lb/ft
Nailing applies to both sides of the member
Connectors are: 3-1/4 in. Pneumatic Gun Nails

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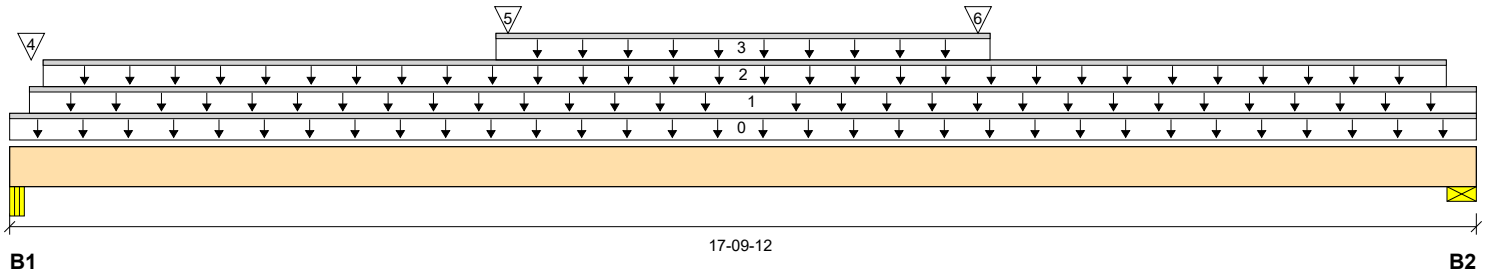
Triple 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B2-3(i968) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B2-3(i968)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 17-09-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 5-3/4"	233 / 0	730 / 0			
B2, 4-3/8"	236 / 0	703 / 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	17-09-12	Top		14				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	17-09-12	Top	27	7				n\a
2	42(i89)	Unf. Lin. (lb/ft)	L	00-04-14	17-05-06	Top		57				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-10-14	11-10-14	Top		5				n\a
4	8(i53)	Conc. Pt. (lbs)	L	00-03-02	00-03-02	Top		22				n\a
5	43(i92)	Conc. Pt. (lbs)	L	06-00-10	06-00-10	Top		18				n\a
6	45(i90)	Conc. Pt. (lbs)	L	11-09-02	11-09-02	Top		20				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	4036 ft-lbs	19.3%	100%	1	08-10-14
End Shear	839 lbs	8.8%	100%	1	01-03-04
Total Load Deflection	L/726 (0.282")	33.1%	n\a	1	08-10-14
Live Load Deflection	L/999 (0.068")	n\a	n\a	2	08-10-14
Max Defl.	0.282"	28.2%	n\a	1	08-10-14
Span / Depth	21.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	5-3/4" x 5-1/4"	962 lbs	7.8%	4.2%	Unspecified
B2	Wall/Plate	4-3/8" x 5-1/4"	939 lbs	9.6%	5.5%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 16-11-10.

Triple 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

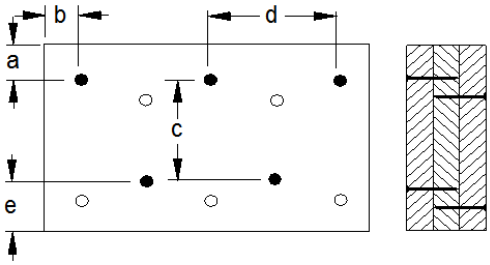
PASSED

Foundation\Flush Beams\B2-3(i968) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B2-3(i968)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2"
b minimum = 3"
c = 4-1/2"
d = 24"
e minimum = 3"

Calculated Side Load = 0.0 lb/ft
Nailing applies to both sides of the member
Connectors are: 3-1/4 in. Pneumatic Gun Nails

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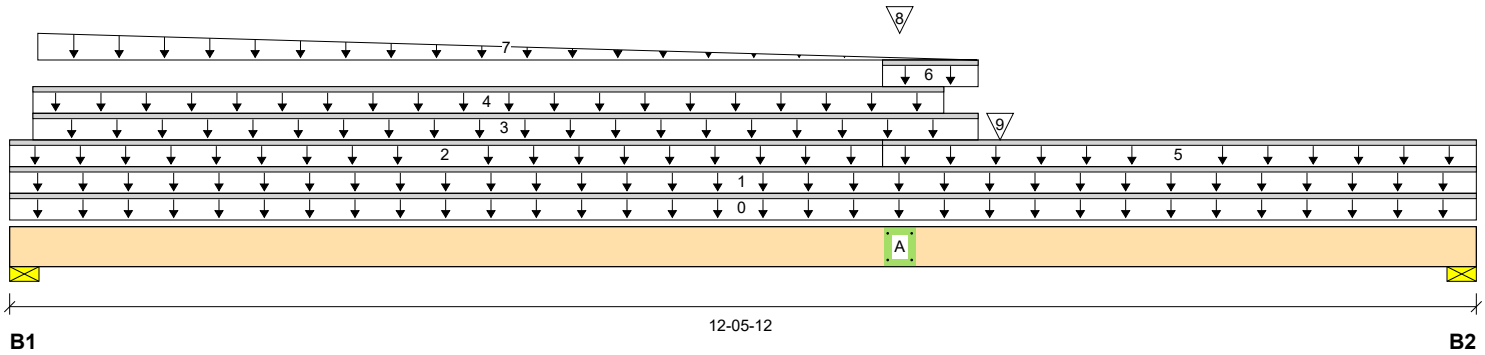
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B3-2(i1051) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B3-2(i1051)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	473 / 0	563 / 0			
B2, 4-3/8"	569 / 0	441 / 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	12-05-12	Top		10				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-12	Top	31	8				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	07-05-02	Top	6	2				n\a
3	14(i60)	Unf. Lin. (lb/ft)	L	00-02-06	08-02-14	Top		57				n\a
4	14(i60)	Unf. Lin. (lb/ft)	L	00-02-06	07-11-06	Top	20	8				n\a
5	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	07-05-02	12-05-12	Top	23	6				n\a
6	14(i60)	Unf. Lin. (lb/ft)	L	07-05-02	08-02-14	Top	251	97				n\a
7	FC1 Floor Decking (Plan View Fill)	Trapezoidal (lb/ft)	L	00-02-14		Top		12				n\a
					08-02-13			0				
8	B8-2(i858)	Conc. Pt. (lbs)	L	07-06-14	07-06-14	Back	144	54				n\a
9	18(i67)	Conc. Pt. (lbs)	L	08-05-02	08-05-02	Top		53				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3614 ft-lbs	25.9%	100%	1	07-02-11
End Shear	922 lbs	14.6%	100%	1	11-03-14
Total Load Deflection	L/793 (0.182")	30.3%	n\a	1	06-02-10
Live Load Deflection	L/999 (0.093")	n\a	n\a	2	06-03-13
Max Defl.	0.182"	18.2%	n\a	1	06-02-10
Span / Depth	15.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 3-1/2"	1035 lbs	29.3%	16.6%	Unspecified
B2	Wall/Plate	4-3/8" x 3-1/2"	1011 lbs	15.5%	8.8%	Unspecified

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B3-2(i1051) (Flush Beam)

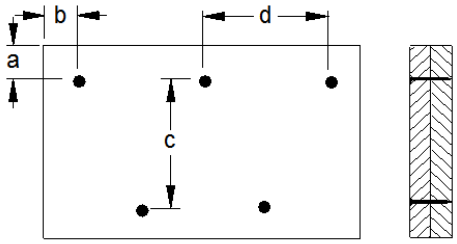
BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B3-2(i1051)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 07-02-12.

Connection Diagram: Full Length of Member

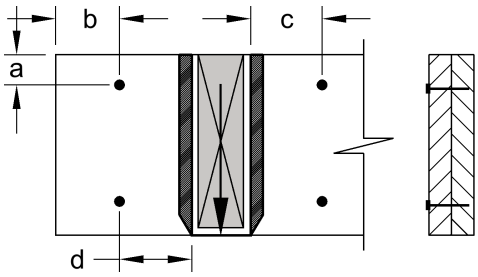


a minimum = 2"
b minimum = 3"
c = 5-1/2"
d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Connection Diagrams: Concentrated Side Loads

Connection Tag: A Applies to load tag(s): 8+8



a minimum = 2"
b minimum = 4"
c minimum = 4"
d maximum = 12"
Connectors are: 4 x 3-1/4 in. Pneumatic Gun Nails

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

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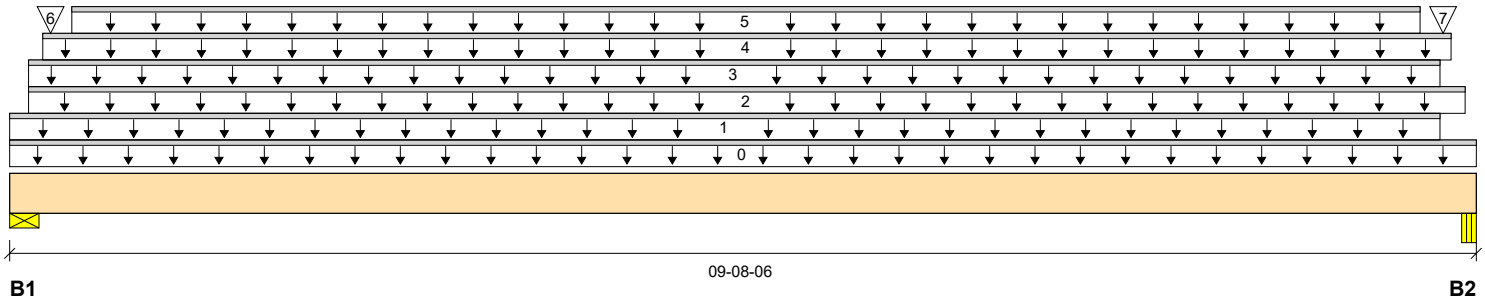
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B4-2(i1010) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B4-2(i1010)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-08-06

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 5-1/2"	298 / 0	708 / 0			
B2, 5-3/4"	534 / 0	854 / 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	09-08-06	Top		10				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-05-08	Top	10	3				n\a
2	70(i429)	Unf. Lin. (lb/ft)	L	00-01-08	09-07-08	Top		57				n\a
3	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-08	09-05-08	Top	17	4				n\a
4	70(i429)	Unf. Lin. (lb/ft)	L	00-02-10	09-06-06	Top	36	14				n\a
5	70(i429)	Unf. Lin. (lb/ft)	L	00-04-15	09-03-15	Top		57				n\a
6	E14(i40)	Conc. Pt. (lbs)	L	00-03-04	00-03-04	Top		30				n\a
7	8(i53)	Conc. Pt. (lbs)	L	09-05-12	09-05-12	Top	238	181				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2050 ft-lbs	14.7%	100%	1	04-10-02
End Shear	749 lbs	11.9%	100%	1	01-03-00
Total Load Deflection	L/999 (0.058")	n\a	n\a	1	04-10-02
Live Load Deflection	L/999 (0.018")	n\a	n\a	2	04-10-02
Max Defl.	0.058"	n\a	n\a	1	04-10-02
Span / Depth	11.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	5-1/2" x 3-1/2"	1006 lbs	12.3%	7.0%	Unspecified
B2	Beam	5-3/4" x 3-1/2"	1388 lbs	17.0%	9.2%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 08-09-02.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

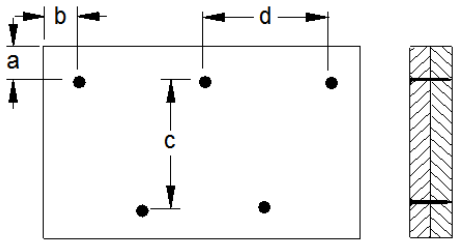
PASSED

Foundation\Flush Beams\B4-2(i1010) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B4-2(i1010)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

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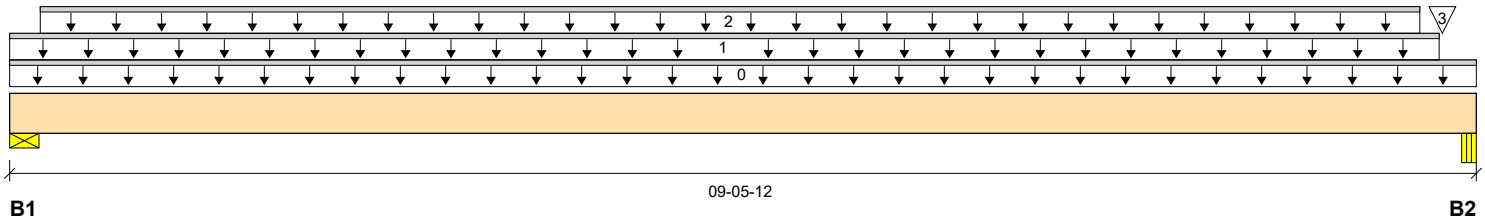
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B4-2(i731) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B4-2(i731)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-05-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	250 / 0	189 / 0			
B2, 5-3/4"	303 / 0	230 / 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	09-05-12	Top		10				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-02-14	Top	53	13				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-06	09-01-06	Top		18				n\a
3	6(i54)	Conc. Pt. (lbs)	L	09-03-02	09-03-02	Top	60	43				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	905 ft-lbs	6.5%	100%	1	04-08-03
End Shear	347 lbs	5.5%	100%	1	01-01-14
Total Load Deflection	L/999 (0.025")	n\a	n\a	1	04-08-03
Live Load Deflection	L/999 (0.014")	n\a	n\a	2	04-08-03
Max Defl.	0.025"	n\a	n\a	1	04-08-03
Span / Depth	11.1				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 3-1/2"	438 lbs	6.7%	3.8%	Unspecified
B2	Beam	5-3/4" x 3-1/2"	533 lbs	6.5%	3.5%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 08-07-10.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

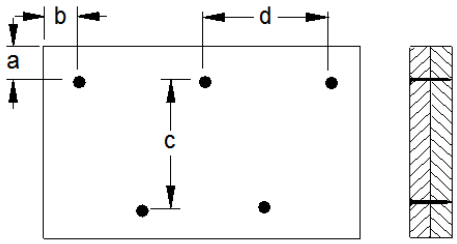
PASSED

Foundation\Flush Beams\B4-2(i731) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B4-2(i731)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

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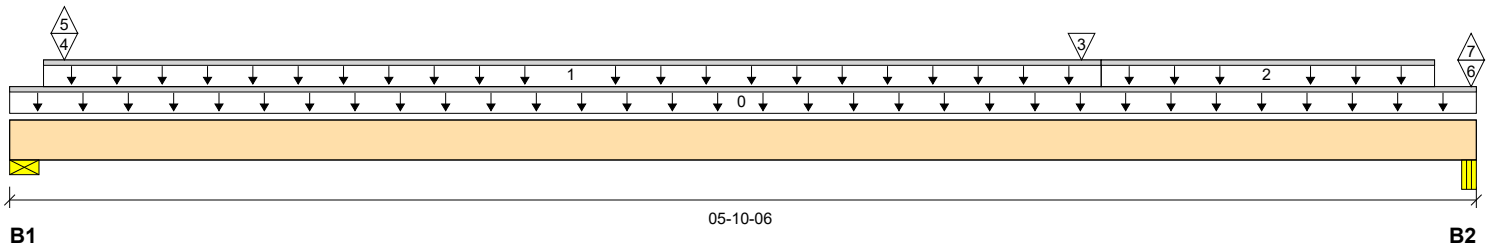
Single 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B5(i1047) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B5(i1047)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 05-10-06

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4-3/8"	153 / 13	144 / 0			
B2, 2"	289 / 25	271 / 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	05-10-06	Top		5				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-10	04-04-06	Top	27	7				n\a
2	22(i68)	Unf. Lin. (lb/ft)	L	04-04-06	05-08-06	Top		57				n\a
3	-	Conc. Pt. (lbs)	L	04-03-07	04-03-07	Back	103	119				n\a
4	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	52	69				n\a
5	4(i51)	Conc. Pt. (lbs)	L	00-02-10	00-02-10	Top	-13					n\a
6	9(i56)	Conc. Pt. (lbs)	L	05-10-02	05-10-02	Top	170	94				n\a
7	9(i56)	Conc. Pt. (lbs)	L	05-10-02	05-10-02	Top	-25					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	369 ft-lbs	5.3%	100%	1	04-03-08
End Shear	243 lbs	7.7%	100%	1	04-10-14
Total Load Deflection	L/999 (0.007")	n\a	n\a	1	03-02-00
Live Load Deflection	L/999 (0.004")	n\a	n\a	3	03-02-00
Max Defl.	0.007"	n\a	n\a	1	03-02-00
Span / Depth	6.9				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	4-3/8" x 1-3/4"	297 lbs	9.1%	5.2%	Unspecified
B2	Beam	2" x 1-3/4"	560 lbs	39.1%	21.1%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 03-10-04.

Disclosure

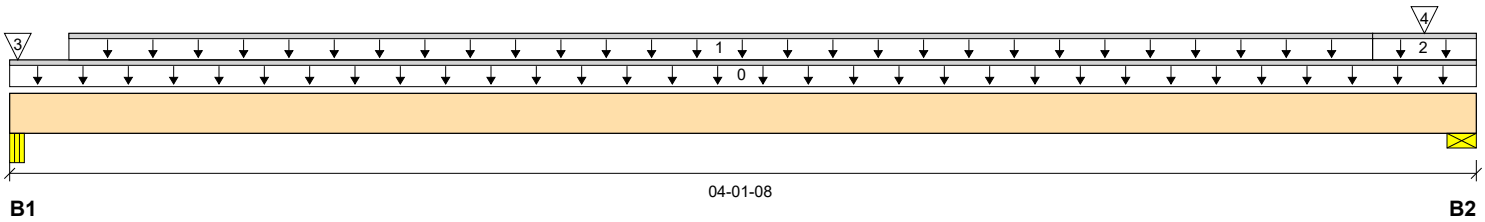
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B6-2(i1013) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B6-2(i1013)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-01-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	46 / 0	83 / 0			
B2, 3-1/2"	141 / 0	79 / 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	04-01-08	Top		10				00-00-00
1	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-00	03-10-00	Top	13	3				n\a
2	FC1 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-00	04-01-08	Top	16					n\a
3	-	Conc. Pt. (lbs)	L	00-00-04	00-00-04	Top	23	57				n\a
4	13(i62)	Conc. Pt. (lbs)	L	03-11-12	03-11-12	Top	113	52				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	46 ft-lbs	0.3%	100%	1	02-00-00
End Shear	26 lbs	0.4%	100%	1	00-11-08
Total Load Deflection	L/999 (0")	n\a	n\a	1	02-00-00
Live Load Deflection	L/999 (0")	n\a	n\a	2	02-00-00
Max Defl.	0"	n\a	n\a	1	02-00-00
Span / Depth	4.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2" x 3-1/2"	128 lbs	4.5%	2.4%	Unspecified
B2	Wall/Plate	3-1/2" x 3-1/2"	220 lbs	4.2%	2.4%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 03-08-00.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

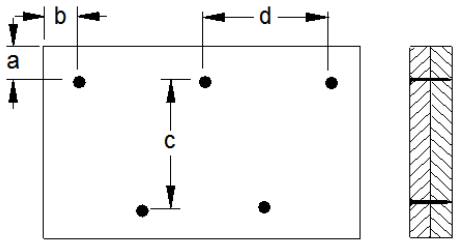
PASSED

Foundation\Flush Beams\B6-2(i1013) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B6-2(i1013)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

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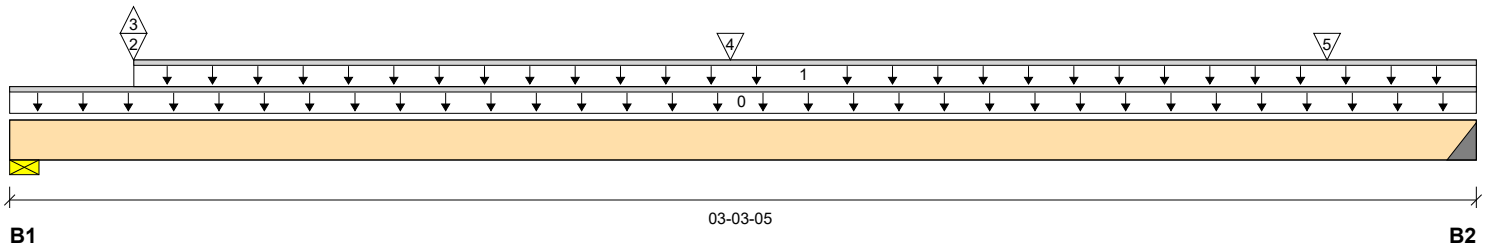
Single 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B7(i862) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B7(i862)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 03-03-05

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/4"	213 / 65	314 / 0			
B2, 2"	111 / 0	119 / 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	03-03-05	Top		5				00-00-00
1	21(i69)	Unf. Lin. (lb/ft)	L	00-03-05	03-03-05	Top		57				n\a
2	-	Conc. Pt. (lbs)	L	00-03-05	00-03-05	Front	151	212				n\a
3	-	Conc. Pt. (lbs)	L	00-03-05	00-03-05	Front	-65					n\a
4	J14-16" O.C.(i979)	Conc. Pt. (lbs)	L	01-07-05	01-07-05	Front	107	24				n\a
5	J14-16" O.C.(i912)	Conc. Pt. (lbs)	L	02-11-05	02-11-05	Front	66	11				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	172 ft-lbs	2.5%	100%	1	01-07-05
End Shear	113 lbs	3.6%	100%	1	01-00-12
Total Load Deflection	L/999 (0.001")	n\a	n\a	1	01-08-06
Live Load Deflection	L/999 (0")	n\a	n\a	3	01-08-06
Max Defl.	0.001"	n\a	n\a	1	01-08-06
Span / Depth	3.7				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/4" x 1-3/4"	526 lbs	21.8%	12.3%	Unspecified
B2	Hanger	2" x 1-3/4"	231 lbs	n\a	8.8%	HU9

Cautions

Header for the hanger HU9 is a Single 1-3/4" x 9-1/2" LVL Beam.

Hanger model HU9 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Unassigned
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 01-02-00.

Disclosure

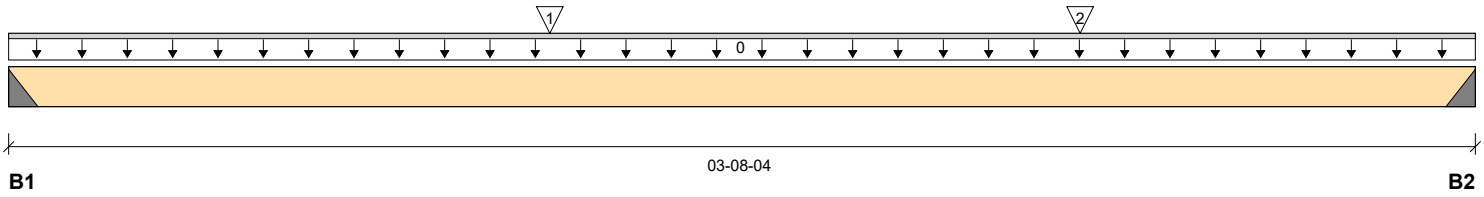
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

Foundation\Flush Beams\B8-2(i858) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B8-2(i858)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 03-08-04

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 4"	122 / 0	48 / 0			
B2, 4"	146 / 0	54 / 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	03-08-04	Top		10				00-00-00
1	J14-16" O.C.(i919)	Conc. Pt. (lbs)	L	01-04-05	01-04-05	Back	143	36				n\a
2	J14-16" O.C.(i970)	Conc. Pt. (lbs)	L	02-08-05	02-08-05	Back	125	31				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	177 ft-lbs	1.3%	100%	1	01-04-05
End Shear	163 lbs	2.6%	100%	1	02-06-12
Total Load Deflection	L/999 (0.001")	n\a	n\a	1	01-10-03
Live Load Deflection	L/999 (0")	n\a	n\a	2	01-10-03
Max Defl.	0.001"	n\a	n\a	1	01-10-03
Span / Depth	4.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	4" x 3-1/2"	171 lbs	2.2%	1.6%	HGUS410
B2	Hanger	4" x 3-1/2"	200 lbs	2.6%	1.9%	HGUS410

Cautions

Header for the hanger HGUS410 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger HGUS410 requires (46) 10d face nails, (16) 10d joist nails.

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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 01-03-05.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

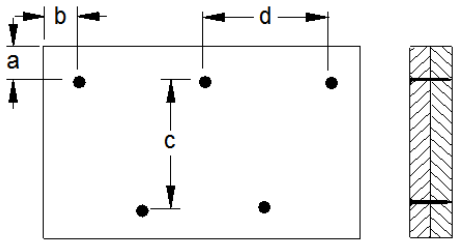
PASSED

Foundation\Flush Beams\B8-2(i858) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	Foundation\Flush Beams\B8-2(i858)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 24"

Calculated Side Load = 89.5 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER® , AJS™, ALLJOIST® , BC RIM BOARD™, BCI® , BOISE GLULAM™, BC FloorValue® , VERSA-LAM®, VERSA-RIM PLUS® ,

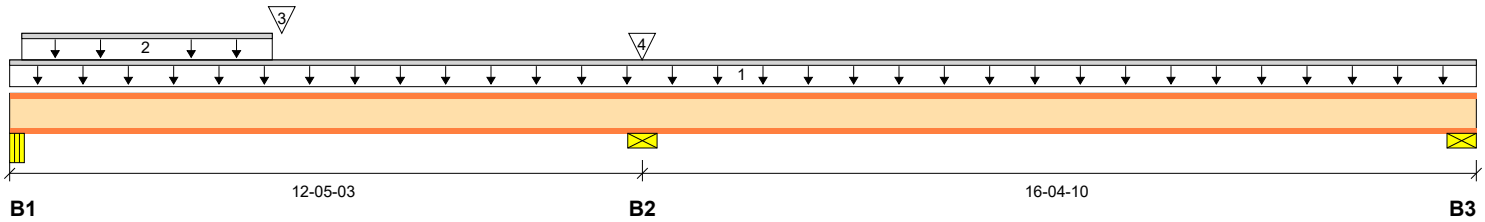
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1004) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1004)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	281 / 74	191 / 0			
B2, 3-1/2"	896 / 0	318 / 0			
B3, 2-3/8"	356 / 24	74 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	28-09-13	Top	50	12				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		25				n\a
3	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		94				n\a
4	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1426 ft-lbs	52.3%	100%	3	21-11-07
Neg. Moment	-1762 ft-lbs	64.7%	100%	1	12-05-03
End Reaction	472 lbs	45.8%	100%	2	00-00-00
Int. Reaction	1214 lbs	57.8%	100%	1	12-05-03
End Shear	459 lbs	31.1%	100%	2	00-02-07
Cont. Shear	605 lbs	41.0%	100%	1	12-06-15
Total Load Deflection	L/646 (0.302")	55.8%	n\a	3	21-00-10
Live Load Deflection	L/734 (0.266")	65.4%	n\a	6	21-00-10
Total Neg. Defl.	L/999 (-0.029")	n\a	n\a	3	09-04-09
Max Defl.	0.302"	30.2%	n\a	3	21-00-10
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	472 lbs	24.2%	45.8%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1214 lbs	40.8%	57.8%	Unspecified
B3	Wall/Plate	2-3/8" x 2"	430 lbs	21.3%	41.9%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

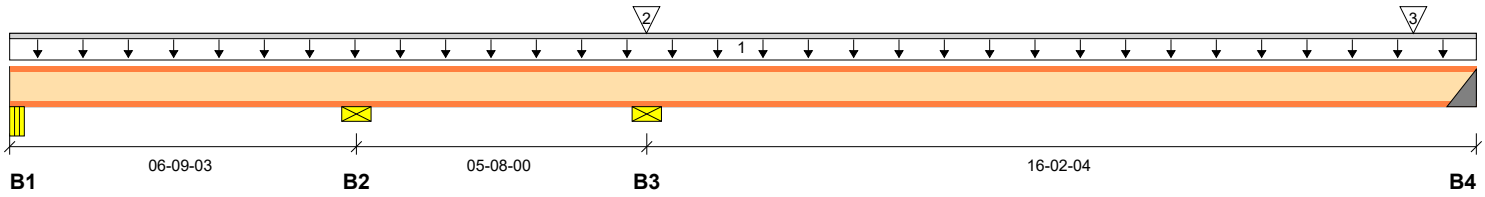
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1005) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1005)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-07-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	184 / 12	43 / 0			
B2, 3-1/2"	391 / 85	28 / 0			
B3, 3-1/2"	885 / 0	237 / 0			
B4, 2"	361 / 3	158 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	28-07-07	Top	53	13				n\a
2	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a
3	53(i111)	Conc. Pt. (lbs)	L	27-04-11	27-04-11	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1513 ft-lbs	55.5%	100%	2	21-11-00
Neg. Moment	-1577 ft-lbs	57.9%	100%	5	12-05-03
End Reaction	519 lbs	52.2%	100%	2	28-07-07
Int. Reaction	1122 lbs	53.4%	100%	5	12-05-03
End Shear	508 lbs	34.4%	100%	2	28-05-07
Cont. Shear	630 lbs	42.7%	100%	5	12-06-15
Total Load Deflection	L/617 (0.313")	58.4%	n\a	2	21-00-07
Live Load Deflection	L/788 (0.245")	60.9%	n\a	7	21-00-07
Total Neg. Defl.	L/999 (-0.022")	n\a	n\a	2	10-00-14
Max Defl.	0.313"	31.3%	n\a	2	21-00-07
Span / Depth	20.3				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	227 lbs	11.6%	22.1%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	419 lbs	14.1%	19.9%	Unspecified
B3	Wall/Plate	3-1/2" x 2"	1122 lbs	37.7%	53.4%	Unspecified
B4	Hanger	2" x 2"	519 lbs	n\a	52.2%	ITS2.06/9.5

Cautions

Uplift of -57 lbs found at bearing B2.
Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1005) (Floor Joist)

BC CALC® Member Report | Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1005)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

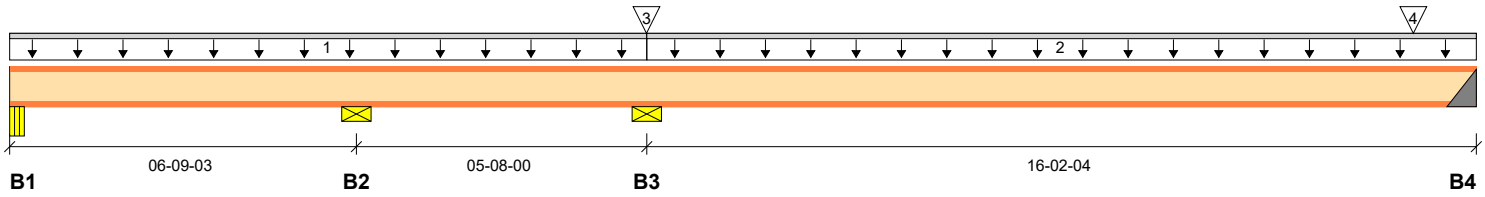
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1014) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1014)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-07-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	170 / 11	40 / 0			
B2, 3-1/2"	357 / 99	20 / 0			
B3, 3-1/2"	872 / 0	234 / 0			
B4, 2"	361 / 3	157 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-03	Top	49	12				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-05-03	28-07-07	Top	53	13				n\a
3	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a
4	53(i111)	Conc. Pt. (lbs)	L	27-04-11	27-04-11	Top		74				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1512 ft-lbs	55.5%	100%	2	21-11-00
Neg. Moment	-1571 ft-lbs	57.7%	100%	5	12-05-03
End Reaction	517 lbs	52.1%	100%	2	28-07-07
Int. Reaction	1106 lbs	52.7%	100%	5	12-05-03
End Shear	506 lbs	34.3%	100%	2	28-05-07
Cont. Shear	629 lbs	42.7%	100%	5	12-06-15
Total Load Deflection	L/617 (0.313")	58.3%	n\a	2	21-00-07
Live Load Deflection	L/788 (0.245")	60.9%	n\a	7	21-00-07
Total Neg. Defl.	L/999 (-0.022")	n\a	n\a	2	10-00-14
Max Defl.	0.313"	31.3%	n\a	2	21-00-07
Span / Depth	20.3				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	210 lbs	10.7%	20.4%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	377 lbs	12.7%	18.0%	Unspecified
B2	Uplift		79 lbs			
B3	Wall/Plate	3-1/2" x 2"	1106 lbs	37.2%	52.7%	Unspecified
B4	Hanger	2" x 2"	517 lbs	n\a	52.1%	ITS2.06/9.5

Cautions

Uplift of -79 lbs found at bearing B2.

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1014) (Floor Joist)

BC CALC® Member Report | Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1014)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

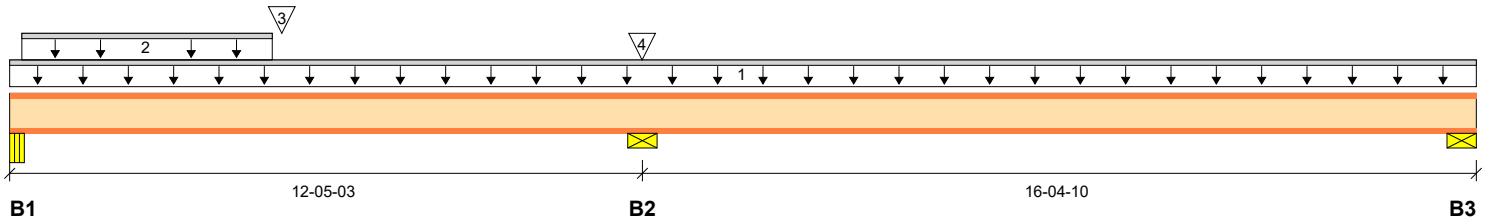
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1034) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1034)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	301 / 79	193 / 0			
B2, 3-1/2"	959 / 0	327 / 0			
B3, 2-3/8"	381 / 26	81 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	28-09-13	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		27				n\a
3	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		76				n\a
4	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1537 ft-lbs	56.4%	100%	3	21-11-07
Neg. Moment	-1866 ft-lbs	68.5%	100%	1	12-05-03
End Reaction	494 lbs	47.9%	100%	2	00-00-00
Int. Reaction	1287 lbs	61.3%	100%	1	12-05-03
End Shear	480 lbs	32.6%	100%	2	00-02-07
Cont. Shear	647 lbs	43.9%	100%	1	12-06-15
Total Load Deflection	L/598 (0.326")	60.2%	n\a	3	21-00-10
Live Load Deflection	L/685 (0.285")	70.0%	n\a	6	21-00-10
Total Neg. Defl.	L/999 (-0.035")	n\a	n\a	3	09-02-04
Max Defl.	0.326"	32.6%	n\a	3	21-00-10
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	494 lbs	25.3%	47.9%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1287 lbs	43.2%	61.3%	Unspecified
B3	Wall/Plate	2-3/8" x 2"	462 lbs	22.9%	45.0%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

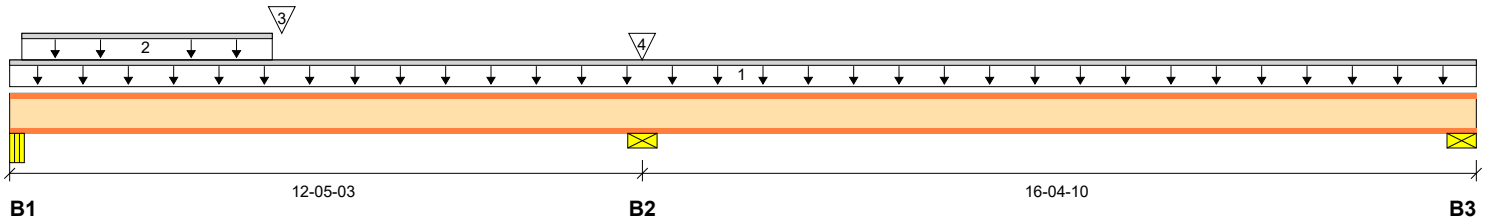
PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1034) - 01 (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1034)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	301 / 79	193 / 0			
B2, 3-1/2"	959 / 0	327 / 0			
B3, 2-3/8"	381 / 26	81 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	28-09-13	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		27				n\a
3	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		76				n\a
4	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1537 ft-lbs	56.4%	100%	3	21-11-07
Neg. Moment	-1866 ft-lbs	68.5%	100%	1	12-05-03
End Reaction	494 lbs	47.9%	100%	2	00-00-00
Int. Reaction	1287 lbs	61.3%	100%	1	12-05-03
End Shear	480 lbs	32.6%	100%	2	00-02-07
Cont. Shear	647 lbs	43.9%	100%	1	12-06-15
Total Load Deflection	L/598 (0.326")	60.2%	n\a	3	21-00-10
Live Load Deflection	L/685 (0.285")	70.0%	n\a	6	21-00-10
Total Neg. Defl.	L/999 (-0.035")	n\a	n\a	3	09-02-04
Max Defl.	0.326"	32.6%	n\a	3	21-00-10
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	494 lbs	25.3%	47.9%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1287 lbs	43.2%	61.3%	Unspecified
B3	Wall/Plate	2-3/8" x 2"	462 lbs	22.9%	45.0%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

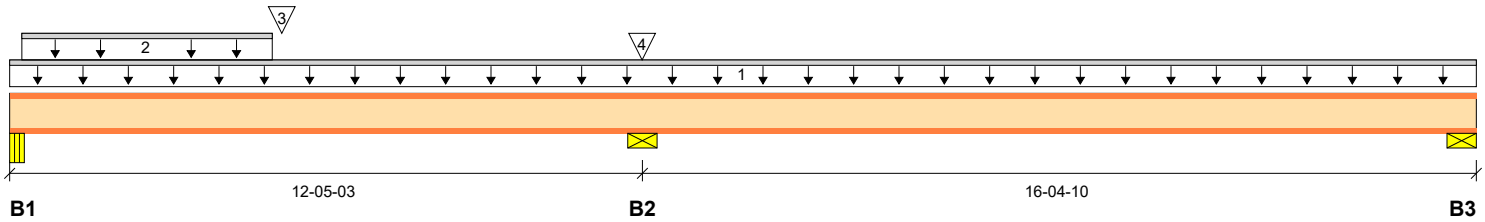
PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1034) - 02 (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1034)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	301 / 79	193 / 0			
B2, 3-1/2"	959 / 0	327 / 0			
B3, 2-3/8"	381 / 26	81 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	28-09-13	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		27				n\a
3	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		76				n\a
4	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1537 ft-lbs	56.4%	100%	3	21-11-07
Neg. Moment	-1866 ft-lbs	68.5%	100%	1	12-05-03
End Reaction	494 lbs	47.9%	100%	2	00-00-00
Int. Reaction	1287 lbs	61.3%	100%	1	12-05-03
End Shear	480 lbs	32.6%	100%	2	00-02-07
Cont. Shear	647 lbs	43.9%	100%	1	12-06-15
Total Load Deflection	L/598 (0.326")	60.2%	n\a	3	21-00-10
Live Load Deflection	L/685 (0.285")	70.0%	n\a	6	21-00-10
Total Neg. Defl.	L/999 (-0.035")	n\a	n\a	3	09-02-04
Max Defl.	0.326"	32.6%	n\a	3	21-00-10
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	494 lbs	25.3%	47.9%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1287 lbs	43.2%	61.3%	Unspecified
B3	Wall/Plate	2-3/8" x 2"	462 lbs	22.9%	45.0%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

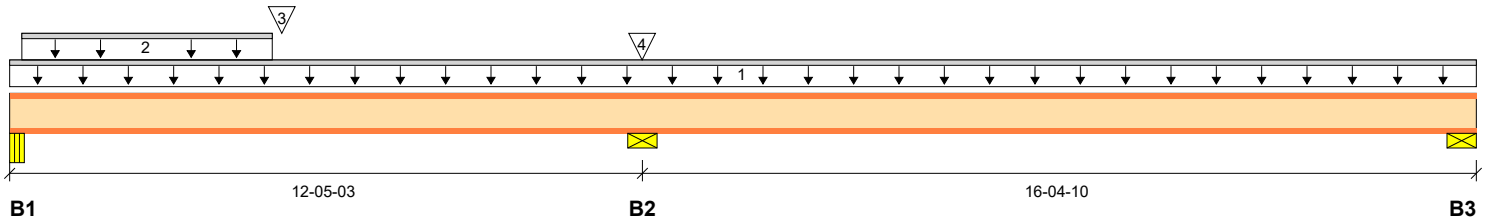
PASSED

1st Floor\Floor Joists\J1-16" O.C.(i1034) - 03 (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i1034)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	301 / 79	193 / 0			
B2, 3-1/2"	959 / 0	327 / 0			
B3, 2-3/8"	381 / 26	81 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	28-09-13	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		27				n\a
3	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		76				n\a
4	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1537 ft-lbs	56.4%	100%	3	21-11-07
Neg. Moment	-1866 ft-lbs	68.5%	100%	1	12-05-03
End Reaction	494 lbs	47.9%	100%	2	00-00-00
Int. Reaction	1287 lbs	61.3%	100%	1	12-05-03
End Shear	480 lbs	32.6%	100%	2	00-02-07
Cont. Shear	647 lbs	43.9%	100%	1	12-06-15
Total Load Deflection	L/598 (0.326")	60.2%	n\a	3	21-00-10
Live Load Deflection	L/685 (0.285")	70.0%	n\a	6	21-00-10
Total Neg. Defl.	L/999 (-0.035")	n\a	n\a	3	09-02-04
Max Defl.	0.326"	32.6%	n\a	3	21-00-10
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	494 lbs	25.3%	47.9%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1287 lbs	43.2%	61.3%	Unspecified
B3	Wall/Plate	2-3/8" x 2"	462 lbs	22.9%	45.0%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

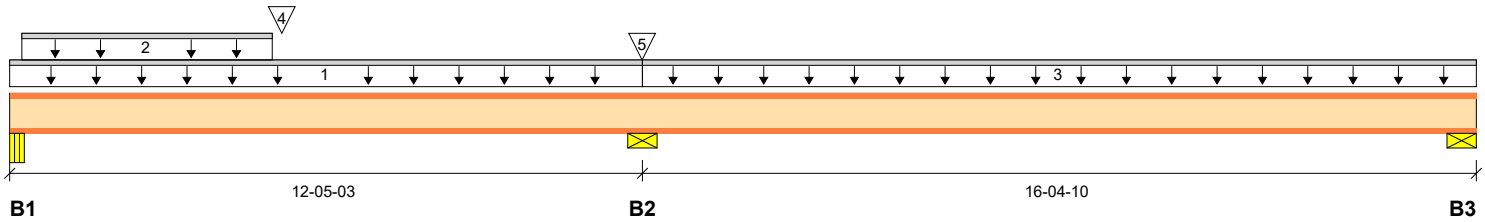
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i774) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i774)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	263 / 79	166 / 0			
B2, 3-1/2"	911 / 0	305 / 0			
B3, 2-3/8"	381 / 23	83 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-03	Top	47	12				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		23				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-05-03	28-09-13	Top	53	13				n\a
4	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		66				n\a
5	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1549 ft-lbs	56.8%	100%	3	21-11-07
Neg. Moment	-1784 ft-lbs	65.5%	100%	1	12-05-03
End Reaction	464 lbs	45.2%	100%	3	28-09-13
Int. Reaction	1216 lbs	57.9%	100%	1	12-05-03
End Shear	450 lbs	30.5%	100%	3	28-07-07
Cont. Shear	642 lbs	43.5%	100%	1	12-06-15
Total Load Deflection	L/591 (0.33")	60.9%	n\a	3	21-00-10
Live Load Deflection	L/685 (0.285")	70.0%	n\a	6	21-00-10
Total Neg. Defl.	L/999 (-0.041")	n\a	n\a	3	08-10-13
Max Defl.	0.33"	33.0%	n\a	3	21-00-10
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	429 lbs	22.0%	41.7%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1216 lbs	40.9%	57.9%	Unspecified
B3	Wall/Plate	2-3/8" x 2"	464 lbs	23.0%	45.2%	Unspecified

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i774) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i774)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

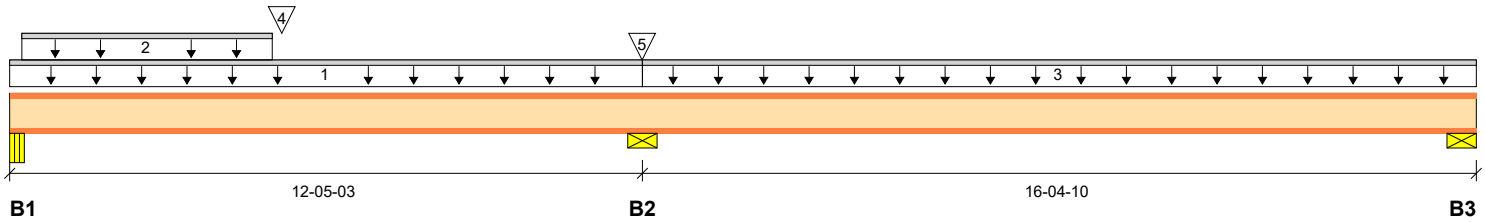
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i775) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i775)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	188 / 79	113 / 0			
B2, 3-1/2"	814 / 0	266 / 0			
B3, 2-3/8"	381 / 16	86 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-03	Top	33	8				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		17				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-05-03	28-09-13	Top	53	13				n\a
4	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		47				n\a
5	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		14				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1574 ft-lbs	57.8%	100%	3	21-08-12
Neg. Moment	-1620 ft-lbs	59.4%	100%	1	12-05-03
End Reaction	467 lbs	45.5%	100%	3	28-09-13
Int. Reaction	1080 lbs	51.4%	100%	1	12-05-03
End Shear	454 lbs	30.8%	100%	3	28-07-07
Cont. Shear	632 lbs	42.8%	100%	1	12-06-15
Total Load Deflection	L/578 (0.337")	62.3%	n\a	3	21-00-10
Live Load Deflection	L/685 (0.285")	70.0%	n\a	6	21-00-10
Total Neg. Defl.	L/999 (-0.054")	n\a	n\a	3	08-03-14
Max Defl.	0.337"	33.7%	n\a	3	21-00-10
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	301 lbs	15.4%	29.2%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1080 lbs	36.3%	51.4%	Unspecified
B3	Wall/Plate	2-3/8" x 2"	467 lbs	23.1%	45.5%	Unspecified

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i775) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i775)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

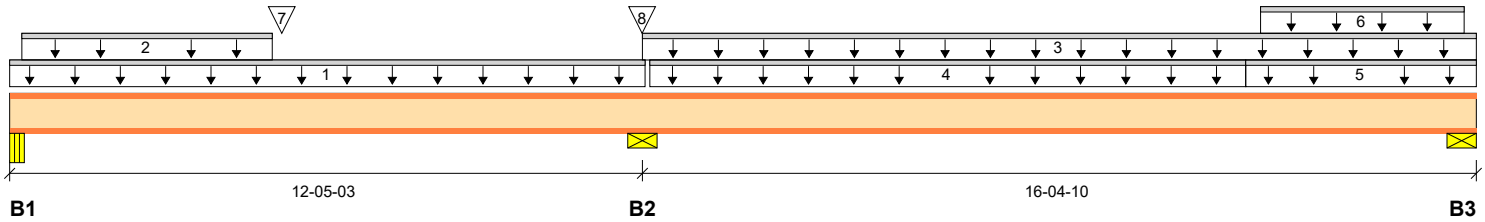
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i779) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i779)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	208 / 62	127 / 0			
B2, 3-1/2"	710 / 0	282 / 0			
B3, 2-3/8"	336 / 18	189 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-13	Top	37	9				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		18				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-05-03	28-09-13	Top	27	7				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-06-15	24-03-07	Top	13	3				n\a
5	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	24-03-07	28-09-13	Top	27	7				n\a
6	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	24-06-15	28-06-15	Top		35				n\a
7	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		57				n\a
8	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		19				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1382 ft-lbs	50.7%	100%	3	22-06-15
Neg. Moment	-1485 ft-lbs	54.5%	100%	1	12-05-03
End Reaction	525 lbs	51.2%	100%	3	28-09-13
Int. Reaction	993 lbs	47.3%	100%	1	12-05-03
End Shear	512 lbs	34.7%	100%	3	28-07-07
Cont. Shear	518 lbs	35.1%	100%	1	12-06-15
Total Load Deflection	L/669 (0.292")	53.8%	n\a	3	21-02-10
Live Load Deflection	L/862 (0.226")	55.7%	n\a	6	21-00-09
Total Neg. Defl.	L/999 (-0.037")	n\a	n\a	3	08-09-11
Max Defl.	0.292"	29.2%	n\a	3	21-02-10
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	335 lbs	17.2%	32.6%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	993 lbs	33.4%	47.3%	Unspecified
B3	Wall/Plate	2-3/8" x 2"	525 lbs	26.0%	51.2%	Unspecified

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i779) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i779)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

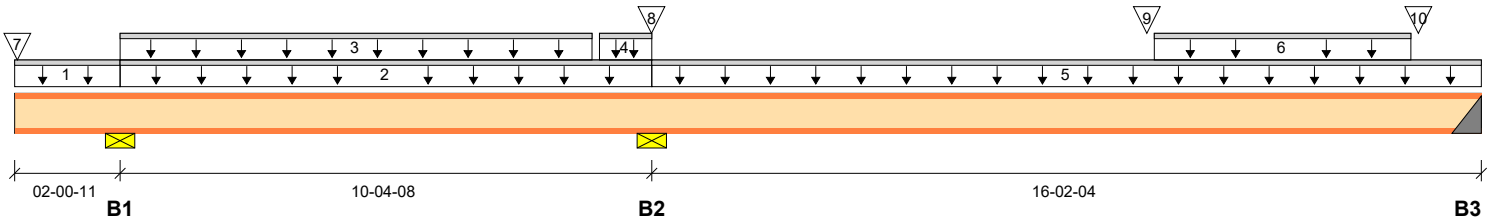
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i815) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | L cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i815)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-07-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	373 / 0	151 / 0			
B2, 3-1/2"	747 / 0	253 / 0			
B3, 2"	280 / 17	212 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	02-00-11	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	02-00-11	12-05-03	Top	27	7				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	02-00-11	11-03-03	Top	27	7				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	11-04-15	12-05-03	Top	13					n\a
5	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-05-03	28-07-07	Top	40	10				n\a
6	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-02-14	27-02-15	Top		18				n\a
7	E32(i100)	Conc. Pt. (lbs)	L	00-00-10	00-00-10	Top		78				n\a
8	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a
9	58(i115)	Conc. Pt. (lbs)	L	22-01-02	22-01-02	Top		57				n\a
10	53(i111)	Conc. Pt. (lbs)	L	27-04-11	27-04-11	Top		57				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1553 ft-lbs	57.0%	100%	2	22-01-02
Neg. Moment	-1449 ft-lbs	53.2%	100%	5	12-05-03
End Reaction	492 lbs	49.6%	100%	2	28-07-07
Int. Reaction	1000 lbs	47.6%	100%	5	12-05-03
End Shear	484 lbs	32.8%	100%	2	28-05-07
Cont. Shear	533 lbs	36.1%	100%	5	12-06-15
Total Load Deflection	L/613 (0.315")	58.7%	n\a	2	21-03-05
Live Load Deflection	L/954 (0.202")	50.3%	n\a	7	21-00-00
Total Neg. Defl.	L/999 (-0.058")	n\a	n\a	2	07-10-14
Max Defl.	0.315"	31.5%	n\a	2	21-03-05
Cant. Max Defl.	0.044"	n\a	n\a	2	00-00-00
Span / Depth	20.3				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 2"	524 lbs	17.6%	24.9%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1000 lbs	33.6%	47.6%	Unspecified

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i815)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Bearing Supports		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B3	Hanger	2" x 2"	492 lbs	n\a	49.6%	ITS2.06/9.5

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Design assumes Top and Bottom flanges to be restrained.

Notes

Design meets User specified (L/360) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.

Design meets arbitrary (0.75") Maximum live load deflection criteria.

Hanger Manufacturer: Simpson Strong-Tie, Inc.

BC CALC® analysis is based on IBC 2009.

Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.

Design based on Dry Service Condition.

Cantilevers require sheathed bottom flanges, blocking at cantilever support and closure at ends.

Calculations assume member is fully braced.

Disclosure

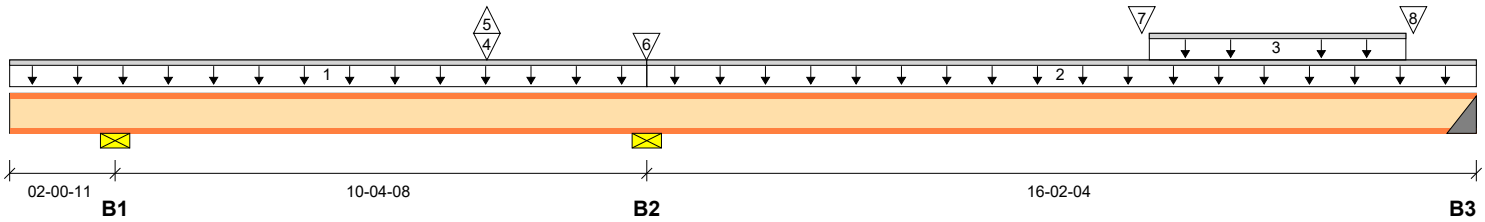
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i977) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | L cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i977)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-07-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	366 / 99	40 / 0			
B2, 3-1/2"	943 / 19	351 / 0			
B3, 2"	373 / 19	290 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	-	Unf. Lin. (lb/ft)	L	00-00-00	12-05-03	Top	50	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-05-03	28-07-07	Top	53	13				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	22-02-14	27-02-15	Top		27				n\a
4	J8-16" O.C.(i1064)	Conc. Pt. (lbs)	L	09-03-12	09-03-12	Back	68	15				n\a
5	J8-16" O.C.(i1064)	Conc. Pt. (lbs)	L	09-03-12	09-03-12	Back	-8					n\a
6	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a
7	58(i115)	Conc. Pt. (lbs)	L	22-01-02	22-01-02	Top		76				n\a
8	53(i111)	Conc. Pt. (lbs)	L	27-04-11	27-04-11	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2083 ft-lbs	76.4%	100%	3	22-01-02
Neg. Moment	-1907 ft-lbs	70.0%	100%	6	12-05-03
End Reaction	663 lbs	66.7%	100%	3	28-07-07
Int. Reaction	1294 lbs	61.6%	100%	6	12-05-03
End Shear	652 lbs	44.2%	100%	3	28-05-07
Cont. Shear	712 lbs	48.3%	100%	6	12-06-15
Total Load Deflection	L/459 (0.421")	78.5%	n\a	3	21-03-05
Live Load Deflection	L/716 (0.269")	67.0%	n\a	11	21-00-00
Total Neg. Defl.	L/999 (-0.073")	n\a	n\a	3	08-01-09
Max Defl.	0.421"	42.1%	n\a	3	21-03-05
Cant. Max Defl.	0.039"	n\a	n\a	3	00-00-00
Span / Depth	20.3				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 2"	405 lbs	13.6%	19.3%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	1294 lbs	43.5%	61.6%	Unspecified
B3	Hanger	2" x 2"	663 lbs	n\a	66.7%	ITS2.06/9.5

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i977)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Cautions

Uplift of -59 lbs found at bearing B1.
Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.
Design assumes Top and Bottom flanges to be restrained.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Cantilevers require sheathed bottom flanges, blocking at cantilever support and closure at ends.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

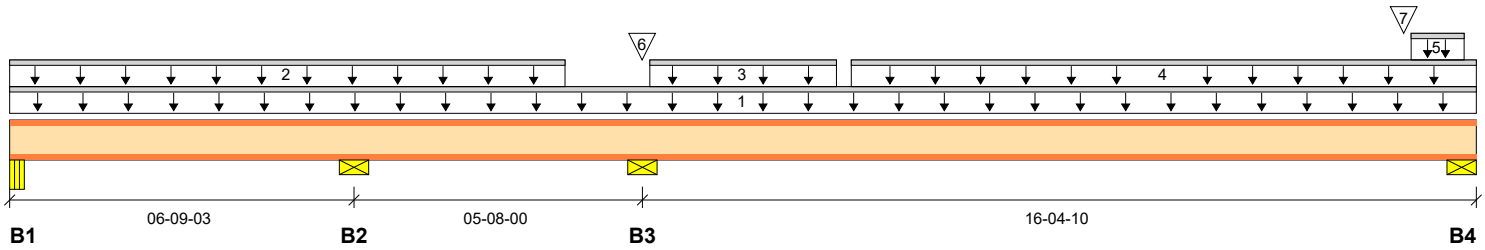
PASSED

1st Floor\Floor Joists\J1-16" O.C.(i987) (Floor Joist)

BC CALC® Member Report — Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i987)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 28-09-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	118 / 7	28 / 0			
B2, 3-1/2"	234 / 262	0 / 13			
B3, 3-1/2"	838 / 15	231 / 0			
B4, 2-3/8"	371 / 2	182 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	28-09-13	Top	27	7				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	10-10-15	Top	5	1				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	12-06-15	16-02-15	Top	26	7				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	16-06-07	28-09-13	Top	28	7				n\a
5	54(i110)	Unf. Lin. (lb/ft)	L	27-06-07	28-06-15	Top		57				n\a
6	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		12				n\a
7	53(i111)	Conc. Pt. (lbs)	L	27-04-11	27-04-11	Top		38				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1561 ft-lbs	57.3%	100%	3	22-01-10
Neg. Moment	-1603 ft-lbs	58.8%	100%	6	12-05-03
End Reaction	553 lbs	53.9%	100%	3	28-09-13
Int. Reaction	1069 lbs	50.9%	100%	6	12-05-03
End Shear	540 lbs	36.6%	100%	3	28-07-07
Cont. Shear	636 lbs	43.1%	100%	6	12-06-15
Total Load Deflection	L/594 (0.328")	60.6%	n\a	3	21-03-07
Live Load Deflection	L/760 (0.256")	63.1%	n\a	11	21-01-06
Total Neg. Defl.	L/999 (-0.023")	n\a	n\a	3	10-01-05
Max Defl.	0.328"	32.8%	n\a	3	21-03-07
Span / Depth	20.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	147 lbs	7.5%	14.2%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	221 lbs	7.4%	10.5%	Unspecified
B2	Uplift		275 lbs			
B3	Wall/Plate	3-1/2" x 2"	1069 lbs	35.9%	50.9%	Unspecified
B4	Wall/Plate	2-3/8" x 2"	553 lbs	27.4%	53.9%	Unspecified

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J1-16" O.C.(i987) (Floor Joist)

BC CALC® Member Report | Dry | 3 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J1-16" O.C.(i987)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Cautions

Uplift of -275 lbs found at bearing B2.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

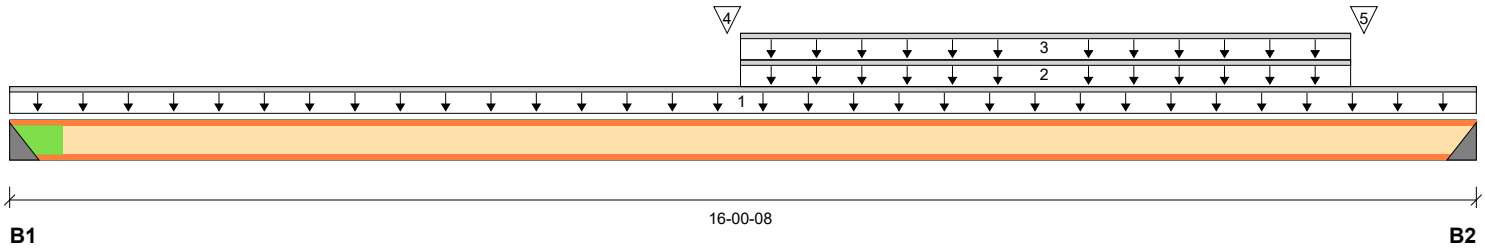
Double 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J3-16" O.C.(i1002) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J3-16" O.C.(i1002)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-00-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-1/2"	429 / 0	204 / 0			
B2, 2"	427 / 0	343 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	16-00-08	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	07-11-15	14-08-00	Top		13				n\a
3	-	Unf. Lin. (lb/ft)	L	07-11-15	14-08-00	Top		13				n\a
4	56(i114)	Conc. Pt. (lbs)	L	07-10-03	07-10-03	Top		78				n\a
5	53(i111)	Conc. Pt. (lbs)	L	14-09-12	14-09-12	Top		78				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2833 ft-lbs	52.0%	100%	1	08-02-07
End Reaction	770 lbs	38.7%	100%	1	16-00-08
End Shear	759 lbs	25.7%	100%	1	15-10-08
Total Load Deflection	L/558 (0.34")	64.5%	n\a	1	08-02-07
Live Load Deflection	L/935 (0.203")	51.3%	n\a	2	07-11-15
Max Defl.	0.34"	34.0%	n\a	1	08-02-07
Span / Depth	19.9				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2-1/2" x 4"	633 lbs	24.7%	26.4%	MIT4.12/9.5
B2	Hanger	2" x 4"	770 lbs	n\a	38.7%	MIT4.12/9.5

Cautions

Web stiffeners required at bearing B1.
Header for the hanger MIT4.12/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger MIT4.12/9.5 requires (4) 16d face nails, (4) 16d TF nails, (2) 10dx1.5 joist nails.
Hanger model MIT4.12/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Double 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J3-16" O.C.(i1002) (Floor Joist)

BC CALC® Member Report | Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J3-16" O.C.(i1002)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Double 9-1/2" BCI® 5000s-1.8

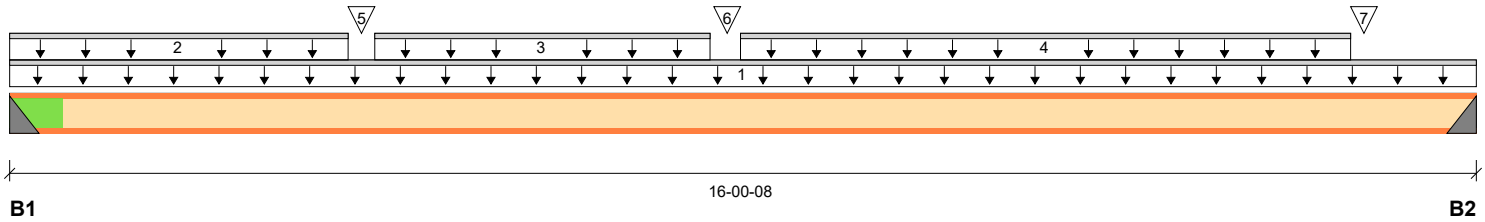
PASSED

1st Floor\Floor Joists\J3-16" O.C.(i1018) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J3-16" O.C.(i1018)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-00-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-1/2"	429 / 0	429 / 0			
B2, 2"	427 / 0	427 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	16-00-08	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	03-08-07	Top		13				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-11-15	07-07-15	Top		43				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	07-11-15	14-08-00	Top		27				n\a
5	59(i117)	Conc. Pt. (lbs)	L	03-10-03	03-10-03	Top		104				n\a
6	56(i114)	Conc. Pt. (lbs)	L	07-10-03	07-10-03	Top		76				n\a
7	53(i111)	Conc. Pt. (lbs)	L	14-09-12	14-09-12	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3522 ft-lbs	64.6%	100%	1	07-10-03
End Reaction	854 lbs	43.0%	100%	1	16-00-08
End Shear	843 lbs	28.6%	100%	1	15-10-08
Total Load Deflection	L/447 (0.424")	80.6%	n\a	1	07-11-14
Live Load Deflection	L/935 (0.203")	51.3%	n\a	2	07-11-15
Max Defl.	0.424"	42.4%	n\a	1	07-11-14
Span / Depth	19.9				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2-1/2" x 4"	858 lbs	33.4%	35.7%	MIT4.12/9.5
B2	Hanger	2" x 4"	854 lbs	n\a	43.0%	MIT4.12/9.5

Cautions

Web stiffeners required at bearing B1.

Header for the hanger MIT4.12/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.

Hanger MIT4.12/9.5 requires (4) 16d face nails, (4) 16d TF nails, (2) 10dx1.5 joist nails.

Hanger model MIT4.12/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Double 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J3-16" O.C.(i1018) (Floor Joist)

BC CALC® Member Report | Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J3-16" O.C.(i1018)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

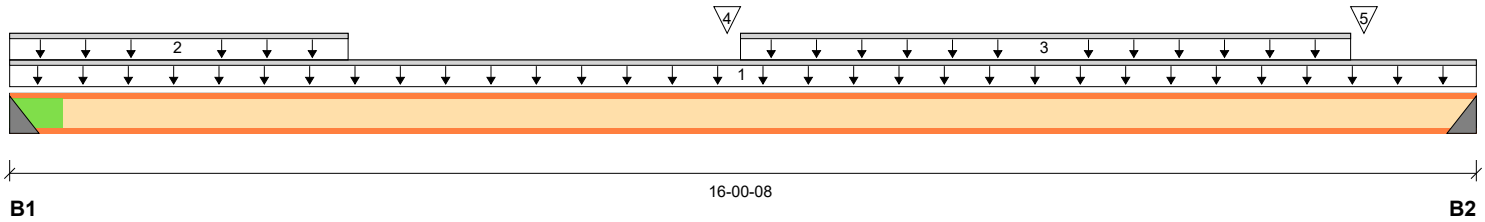
Double 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J3-16" O.C.(i1024) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J3-16" O.C.(i1024)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-00-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-1/2"	429 / 0	347 / 0			
B2, 2"	427 / 0	358 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	16-00-08	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	03-08-07	Top		43				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	07-11-15	14-08-00	Top		27				n\a
4	56(i114)	Conc. Pt. (lbs)	L	07-10-03	07-10-03	Top		76				n\a
5	53(i111)	Conc. Pt. (lbs)	L	14-09-12	14-09-12	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	2961 ft-lbs	54.3%	100%	1	07-11-15
End Reaction	784 lbs	39.5%	100%	1	16-00-08
End Shear	773 lbs	26.2%	100%	1	15-10-08
Total Load Deflection	L/530 (0.358")	68.0%	n\a	1	07-11-15
Live Load Deflection	L/935 (0.203")	51.3%	n\a	2	07-11-15
Max Defl.	0.358"	35.8%	n\a	1	07-11-15
Span / Depth	19.9				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2-1/2" x 4"	776 lbs	30.2%	32.3%	MIT4.12/9.5
B2	Hanger	2" x 4"	784 lbs	n\a	39.5%	MIT4.12/9.5

Cautions

Web stiffeners required at bearing B1.

Header for the hanger MIT4.12/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.

Hanger MIT4.12/9.5 requires (4) 16d face nails, (4) 16d TF nails, (2) 10dx1.5 joist nails.

Hanger model MIT4.12/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Double 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J3-16" O.C.(i1024) (Floor Joist)

BC CALC® Member Report | Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J3-16" O.C.(i1024)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

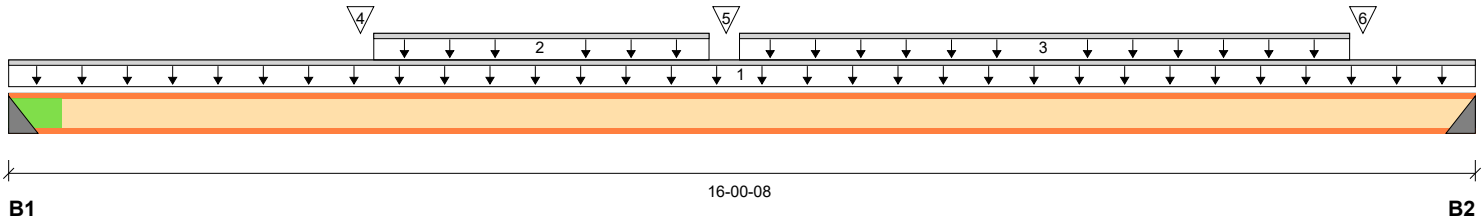
Double 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J3-16" O.C.(i859) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J3-16" O.C.(i859)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-00-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-1/2"	563 / 0	378 / 0			
B2, 2"	560 / 0	469 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	16-00-08	Top	70	18				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-11-15	07-07-15	Top		13				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	07-11-15	14-08-00	Top		35				n\a
4	59(i117)	Conc. Pt. (lbs)	L	03-10-03	03-10-03	Top		104				n\a
5	56(i114)	Conc. Pt. (lbs)	L	07-10-03	07-10-03	Top		104				n\a
6	53(i111)	Conc. Pt. (lbs)	L	14-09-12	14-09-12	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	4042 ft-lbs	74.2%	100%	1	07-10-03
End Reaction	1029 lbs	51.8%	100%	1	16-00-08
End Shear	1014 lbs	34.4%	100%	1	15-10-08
Total Load Deflection	L/389 (0.487")	92.4%	n\a	1	07-11-15
Live Load Deflection	L/713 (0.266")	67.4%	n\a	2	07-11-15
Max Defl.	0.487"	48.7%	n\a	1	07-11-15
Span / Depth	19.9				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2-1/2" x 4"	941 lbs	36.7%	39.2%	MIT4.12/9.5
B2	Hanger	2" x 4"	1029 lbs	n\a	51.8%	MIT4.12/9.5

Cautions

Web stiffeners required at bearing B1.
Header for the hanger MIT4.12/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger MIT4.12/9.5 requires (4) 16d face nails, (4) 16d TF nails, (2) 10dx1.5 joist nails.
Hanger model MIT4.12/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Double 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J3-16" O.C.(i859) (Floor Joist)

BC CALC® Member Report | Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J3-16" O.C.(i859)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

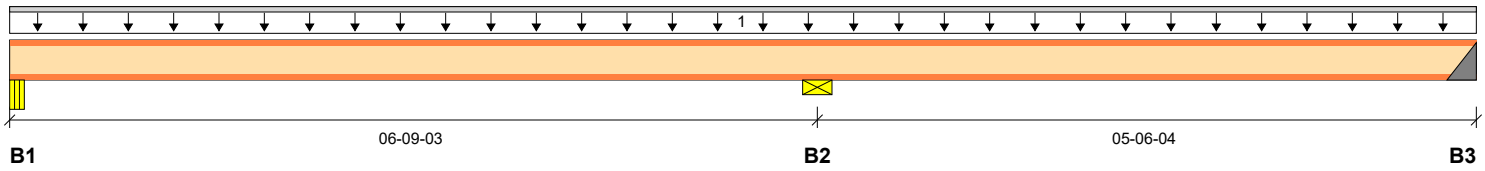
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i1006) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i1006)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-03-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	164 / 11	38 / 0			
B2, 3-1/2"	391 / 0	98 / 0			
B3, 2"	136 / 25	28 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-03-07	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	279 ft-lbs	10.2%	100%	2	03-00-06
Neg. Moment	-261 ft-lbs	9.6%	100%	1	06-09-03
End Reaction	202 lbs	19.6%	100%	2	00-00-00
Int. Reaction	489 lbs	23.3%	100%	1	06-09-03
End Shear	189 lbs	12.8%	100%	2	00-02-07
Cont. Shear	251 lbs	17.0%	100%	1	06-07-07
Total Load Deflection	L/999 (0.016")	n\a	n\a	2	03-04-00
Live Load Deflection	L/999 (0.013")	n\a	n\a	5	03-04-00
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	2	08-03-15
Max Defl.	0.016"	n\a	n\a	2	03-04-00
Span / Depth	8.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	202 lbs	10.3%	19.6%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	489 lbs	16.4%	23.3%	Unspecified
B3	Hanger	2" x 2"	164 lbs	10.6%	16.5%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

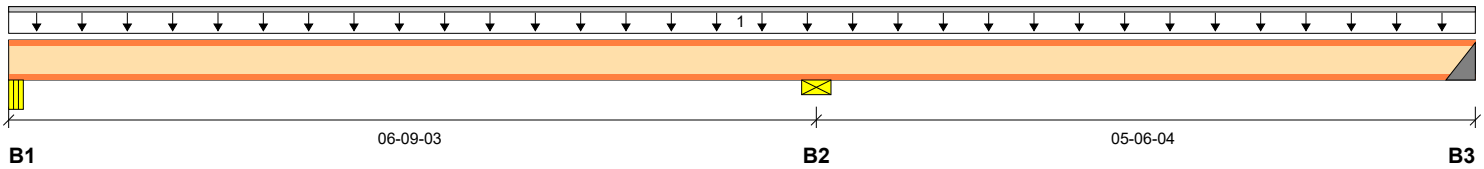
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i1006) - 01 (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i1006)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-03-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	164 / 11	38 / 0			
B2, 3-1/2"	391 / 0	98 / 0			
B3, 2"	136 / 25	28 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-03-07	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	279 ft-lbs	10.2%	100%	2	03-00-06
Neg. Moment	-261 ft-lbs	9.6%	100%	1	06-09-03
End Reaction	202 lbs	19.6%	100%	2	00-00-00
Int. Reaction	489 lbs	23.3%	100%	1	06-09-03
End Shear	189 lbs	12.8%	100%	2	00-02-07
Cont. Shear	251 lbs	17.0%	100%	1	06-07-07
Total Load Deflection	L/999 (0.016")	n\a	n\a	2	03-04-00
Live Load Deflection	L/999 (0.013")	n\a	n\a	5	03-04-00
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	2	08-03-15
Max Defl.	0.016"	n\a	n\a	2	03-04-00
Span / Depth	8.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	202 lbs	10.3%	19.6%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	489 lbs	16.4%	23.3%	Unspecified
B3	Hanger	2" x 2"	164 lbs	10.6%	16.5%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

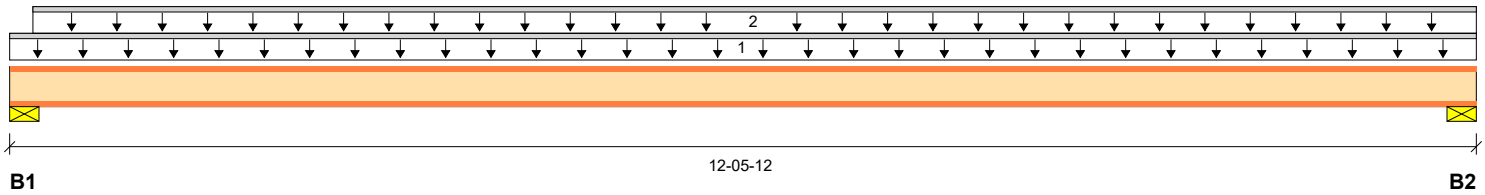
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i1012) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i1012)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	328 / 0	82 / 0			
B2, 2-3/8"	333 / 0	83 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-12	Top	26	7				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-06	12-05-12	Top	28	7				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1242 ft-lbs	45.6%	100%	1	06-02-14
End Reaction	416 lbs	40.5%	100%	1	12-05-12
End Shear	403 lbs	27.3%	100%	1	00-02-06
Total Load Deflection	L/852 (0.172")	42.3%	n\a	1	06-02-14
Live Load Deflection	L/1065 (0.138")	45.1%	n\a	2	06-02-14
Max Defl.	0.172"	17.2%	n\a	1	06-02-14
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	410 lbs	20.3%	40.0%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	416 lbs	20.6%	40.5%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER® , AJS™, ALLJOIST® , BC RIM BOARD™, BCI® , BOISE GLULAM™, BC FloorValue® , VERSA-LAM®, VERSA-RIM PLUS® ,

Single 9-1/2" BCI® 5000s-1.8

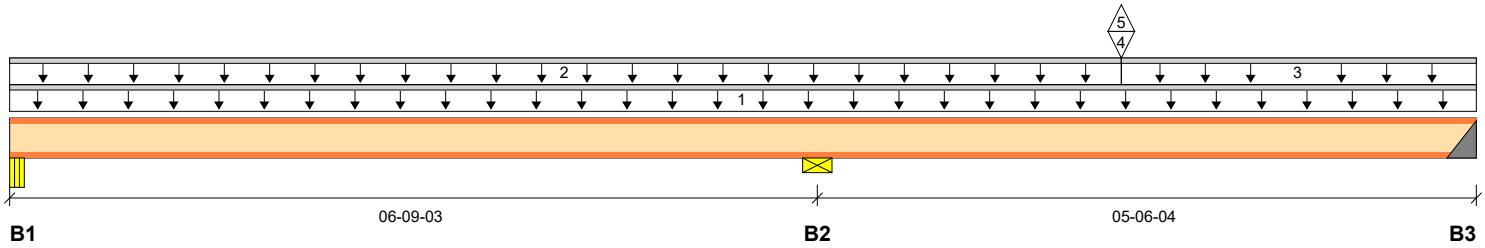
PASSED

1st Floor\Floor Joists\J4-16" O.C.(i1021) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i1021)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-03-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	174 / 17	39 / 0			
B2, 3-1/2"	469 / 4	116 / 0			
B3, 2"	207 / 29	44 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-03-07	Top	27	7				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-03-12	Top	30	8				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	09-03-12	12-03-07	Top	50	13				n\a
4	J8-16" O.C.(i1064)	Conc. Pt. (lbs)	L	09-03-12	09-03-12	Front	52	11				n\a
5	J8-16" O.C.(i1064)	Conc. Pt. (lbs)	L	09-03-12	09-03-12	Front	-6					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	305 ft-lbs	11.2%	100%	4	09-07-09
Neg. Moment	-318 ft-lbs	11.7%	100%	1	06-09-03
End Reaction	252 lbs	25.3%	100%	4	12-03-07
Int. Reaction	585 lbs	27.9%	100%	1	06-09-03
End Shear	236 lbs	16.0%	100%	4	12-01-07
Cont. Shear	292 lbs	19.8%	100%	1	06-10-15
Total Load Deflection	L/999 (0.017")	n\a	n\a	3	03-04-00
Live Load Deflection	L/999 (0.014")	n\a	n\a	7	03-04-00
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	3	07-10-14
Max Defl.	0.017"	n\a	n\a	3	03-04-00
Span / Depth	8.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	214 lbs	11.0%	20.8%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	585 lbs	19.7%	27.9%	Unspecified
B3	Hanger	2" x 2"	252 lbs	16.2%	25.3%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.

Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i1021) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i1021)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

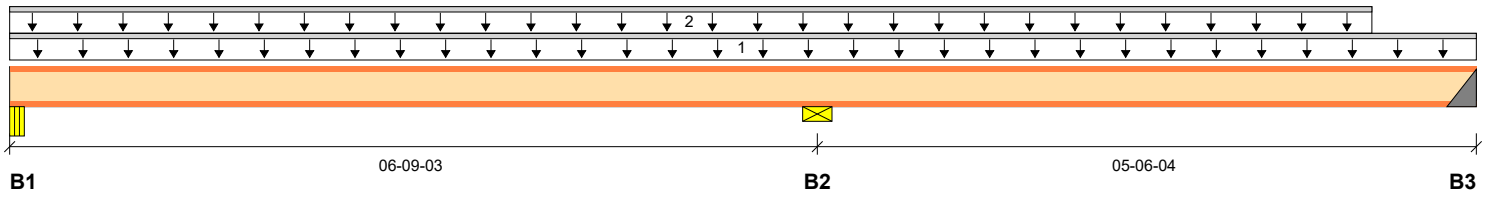
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i1028) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i1028)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-03-07

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	178 / 12	42 / 0			
B2, 3-1/2"	422 / 0	106 / 0			
B3, 2"	123 / 27	24 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-03-07	Top	27	7				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	11-04-15	Top	31	8				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	303 ft-lbs	11.1%	100%	2	03-00-06
Neg. Moment	-281 ft-lbs	10.3%	100%	1	06-09-03
End Reaction	219 lbs	21.3%	100%	2	00-00-00
Int. Reaction	528 lbs	25.1%	100%	1	06-09-03
End Shear	205 lbs	13.9%	100%	2	00-02-07
Cont. Shear	272 lbs	18.4%	100%	1	06-07-07
Total Load Deflection	L/999 (0.017")	n\a	n\a	2	03-04-00
Live Load Deflection	L/999 (0.014")	n\a	n\a	5	03-04-00
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	2	08-03-15
Max Defl.	0.017"	n\a	n\a	2	03-04-00
Span / Depth	8.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	219 lbs	11.2%	21.3%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	528 lbs	17.8%	25.1%	Unspecified
B3	Hanger	2" x 2"	147 lbs	9.5%	14.8%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i1028) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i1028)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

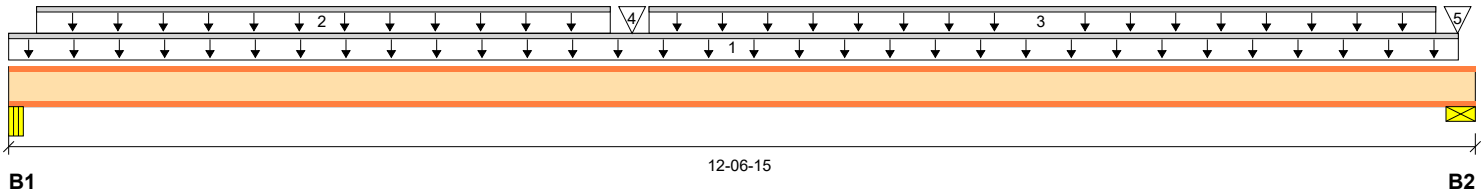
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i1039) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i1039)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-06-15

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	167 / 0	224 / 0			
B2, 3-1/2"	165 / 0	359 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-03	Top	27	7				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		13				n\a
3	68(i125)	Unf. Lin. (lb/ft)	L	05-05-15	12-02-14	Top		57				n\a
4	67(i124)	Conc. Pt. (lbs)	L	05-04-03	05-04-03	Top		38				n\a
5	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		14				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1462 ft-lbs	53.7%	100%	1	06-07-07
End Reaction	524 lbs	46.5%	100%	1	12-06-15
End Shear	505 lbs	34.2%	100%	1	12-03-07
Total Load Deflection	L/737 (0.199")	48.9%	n\a	1	06-05-03
Live Load Deflection	L/999 (0.069")	n\a	n\a	2	06-02-15
Max Defl.	0.199"	19.9%	n\a	1	06-05-03
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	391 lbs	20.0%	38.0%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	524 lbs	17.6%	46.5%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

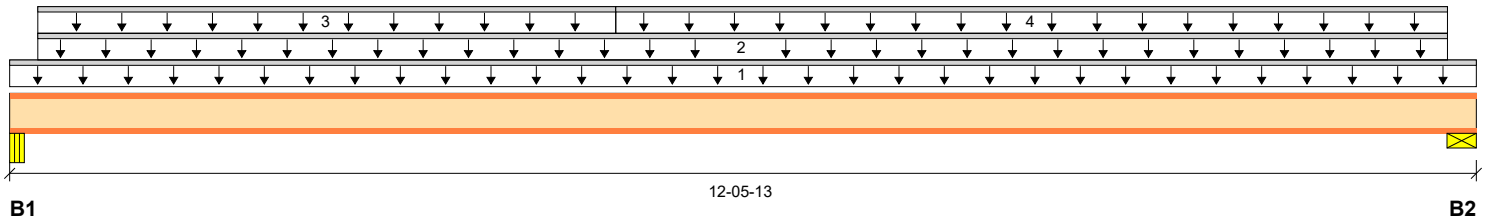
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i780) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i780)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	269 / 0	196 / 0			
B2, 2-3/8"	269 / 0	195 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-13	Top	43	11				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	12-02-14	Top		13				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		8				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-01-15	12-02-14	Top		8				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1403 ft-lbs	51.5%	100%	1	06-03-00
End Reaction	464 lbs	45.2%	100%	1	12-05-13
End Shear	455 lbs	30.8%	100%	1	00-02-07
Total Load Deflection	L/754 (0.194")	47.7%	n\a	1	06-03-00
Live Load Deflection	L/999 (0.111")	n\a	n\a	2	06-03-00
Max Defl.	0.194"	19.4%	n\a	1	06-03-00
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	465 lbs	23.8%	45.2%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	464 lbs	23.0%	45.2%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

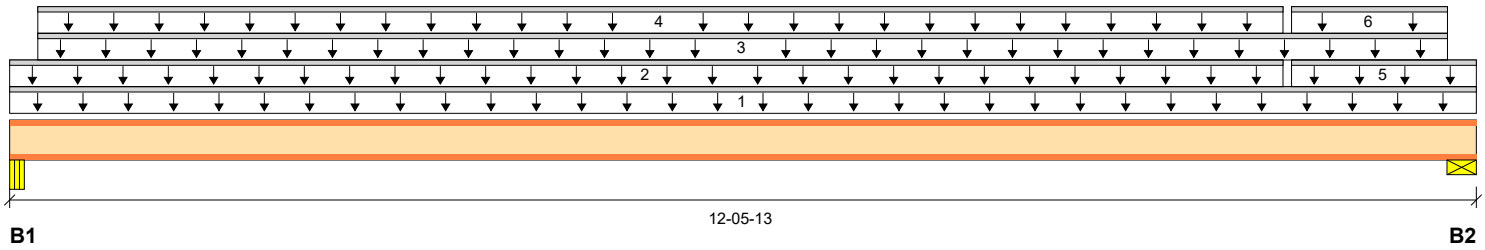
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i786) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i786)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	229 / 0	164 / 0			
B2, 2-3/8"	233 / 0	165 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-13	Top	27	7				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	10-10-01	Top	10	3				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	12-02-14	Top		13				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	10-10-01	Top		4				n\a
5	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-10-15	12-05-13	Top	13	3				n\a
6	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-10-15	12-02-14	Top		5				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1187 ft-lbs	43.6%	100%	1	06-02-11
End Reaction	398 lbs	38.8%	100%	1	12-05-13
End Shear	389 lbs	26.3%	100%	1	12-03-07
Total Load Deflection	L/891 (0.164")	40.4%	n\a	1	06-02-11
Live Load Deflection	L/999 (0.095")	n\a	n\a	2	06-02-11
Max Defl.	0.164"	16.4%	n\a	1	06-02-11
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	393 lbs	20.1%	38.2%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	398 lbs	19.7%	38.8%	Unspecified

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i786) (Floor Joist)

BC CALC® Member Report | Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i786)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

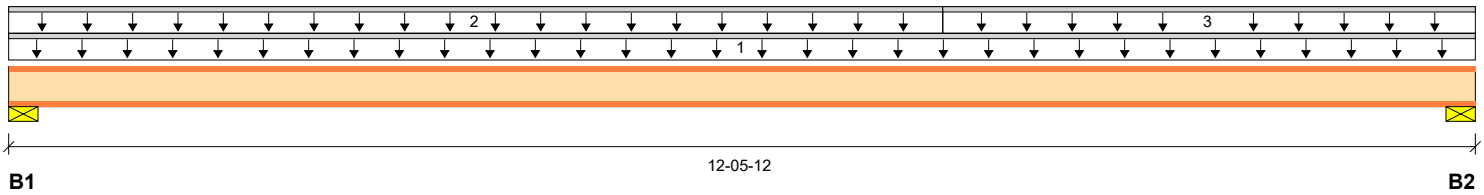
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i787) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i787)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	296 / 0	74 / 0			
B2, 2-3/8"	316 / 0	79 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-12	Top	27	7				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	07-11-06	Top	20	5				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	07-11-06	12-05-12	Top	27	7				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1127 ft-lbs	41.4%	100%	1	06-05-02
End Reaction	395 lbs	38.5%	100%	1	12-05-12
End Shear	382 lbs	25.9%	100%	1	12-03-06
Total Load Deflection	L/936 (0.157")	38.5%	n\a	1	06-02-08
Live Load Deflection	L/1170 (0.125")	41.0%	n\a	2	06-02-08
Max Defl.	0.157"	15.7%	n\a	1	06-02-08
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	371 lbs	18.4%	36.1%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	395 lbs	19.6%	38.5%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

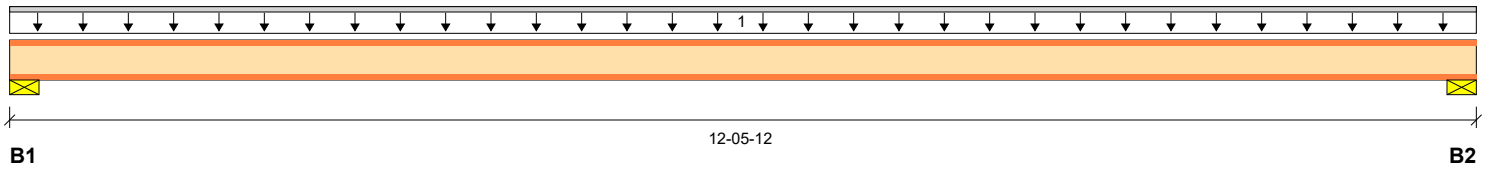
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i789) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i789)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	328 / 0	82 / 0			
B2, 2-3/8"	328 / 0	82 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-12	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1223 ft-lbs	44.9%	100%	1	06-02-14
End Reaction	409 lbs	39.9%	100%	1	00-00-00
End Shear	396 lbs	26.9%	100%	1	00-02-06
Total Load Deflection	L/865 (0.169")	41.6%	n\a	1	06-02-14
Live Load Deflection	L/1082 (0.135")	44.4%	n\a	2	06-02-14
Max Defl.	0.169"	16.9%	n\a	1	06-02-14
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	409 lbs	20.3%	39.9%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	409 lbs	20.3%	39.9%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

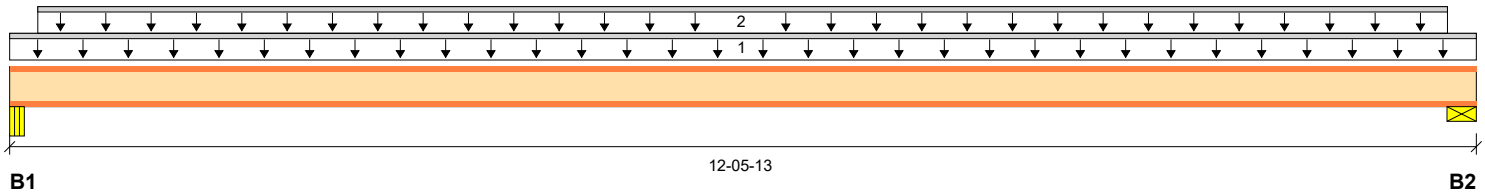
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i849) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i849)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	333 / 0	243 / 0			
B2, 2-3/8"	333 / 0	243 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-13	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	12-02-14	Top		27				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1740 ft-lbs	63.8%	100%	1	06-02-15
End Reaction	576 lbs	56.1%	100%	1	12-05-13
End Shear	563 lbs	38.2%	100%	1	00-02-07
Total Load Deflection	L/608 (0.241")	59.2%	n\a	1	06-02-15
Live Load Deflection	L/1064 (0.138")	45.1%	n\a	2	06-02-15
Max Defl.	0.241"	24.1%	n\a	1	06-02-15
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	576 lbs	29.5%	56.0%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	576 lbs	28.5%	56.1%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

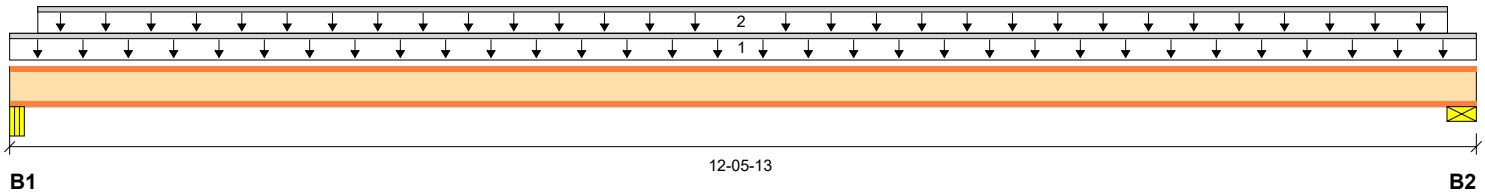
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i849) - 01 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i849)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	333 / 0	243 / 0			
B2, 2-3/8"	333 / 0	243 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-13	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	12-02-14	Top		27				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1740 ft-lbs	63.8%	100%	1	06-02-15
End Reaction	576 lbs	56.1%	100%	1	12-05-13
End Shear	563 lbs	38.2%	100%	1	00-02-07
Total Load Deflection	L/608 (0.241")	59.2%	n\a	1	06-02-15
Live Load Deflection	L/1064 (0.138")	45.1%	n\a	2	06-02-15
Max Defl.	0.241"	24.1%	n\a	1	06-02-15
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	576 lbs	29.5%	56.0%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	576 lbs	28.5%	56.1%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER® , AJS™, ALLJOIST® , BC RIM BOARD™, BCI® , BOISE GLULAM™, BC FloorValue® , VERSA-LAM®, VERSA-RIM PLUS® ,

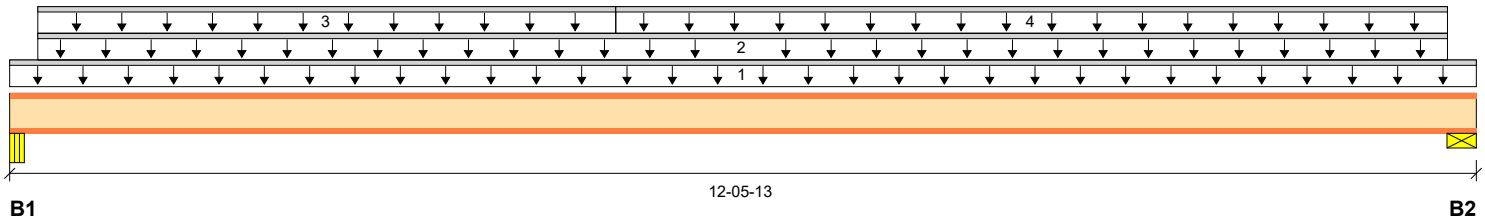
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i852) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i852)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-05-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	167 / 0	445 / 0			
B2, 2-3/8"	166 / 0	422 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-13	Top	27	7				n\a
2	62(i119)	Unf. Lin. (lb/ft)	L	00-02-14	12-02-14	Top		57				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	05-01-15	Top		13				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	05-01-15	12-02-14	Top		5				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1829 ft-lbs	67.1%	100%	1	06-01-13
End Reaction	612 lbs	59.4%	100%	1	00-00-00
End Shear	605 lbs	41.0%	100%	1	00-02-07
Total Load Deflection	L/578 (0.254")	62.3%	n\a	1	06-03-00
Live Load Deflection	L/999 (0.069")	n\a	n\a	2	06-03-00
Max Defl.	0.254"	25.4%	n\a	1	06-03-00
Span / Depth	15.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	612 lbs	31.3%	59.4%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	588 lbs	29.1%	57.3%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

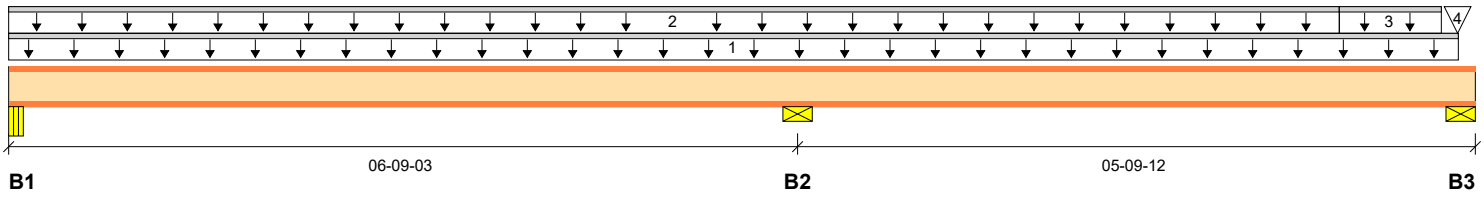
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J4-16" O.C.(i982) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J4-16" O.C.(i982)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-06-15

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	164 / 12	38 / 0			
B2, 3-1/2"	395 / 0	99 / 0			
B3, 3-1/2"	126 / 24	34 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	12-05-03	Top	22	6				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	11-04-15	Top	31	8				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	11-04-15	12-03-07	Top	19	5				n\a
4	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	279 ft-lbs	10.2%	100%	2	03-00-06
Neg. Moment	-266 ft-lbs	9.7%	100%	1	06-09-03
End Reaction	202 lbs	19.6%	100%	2	00-00-00
Int. Reaction	494 lbs	23.5%	100%	1	06-09-03
End Shear	189 lbs	12.8%	100%	2	00-02-07
Cont. Shear	251 lbs	17.0%	100%	1	06-07-07
Total Load Deflection	L/999 (0.016")	n\a	n\a	2	03-04-00
Live Load Deflection	L/999 (0.013")	n\a	n\a	5	03-04-00
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	2	08-04-02
Max Defl.	0.016"	n\a	n\a	2	03-04-00
Span / Depth	8.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	202 lbs	10.3%	19.6%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	494 lbs	16.6%	23.5%	Unspecified
B3	Wall/Plate	3-1/2" x 2"	160 lbs	5.4%	14.2%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

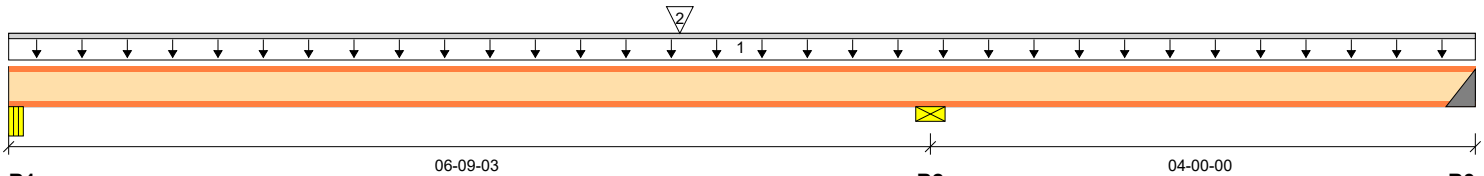
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J5-16" O.C.(i1035) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J5-16" O.C.(i1035)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 10-09-03

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	146 / 4	54 / 0			
B2, 3-1/2"	317 / 0	169 / 0			
B3, 2"	92 / 34	1 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	10-09-03	Top	48	12				n\a
2	66(i123)	Conc. Pt. (lbs)	L	04-11-02	04-11-02	Top		94				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	305 ft-lbs	11.2%	100%	2	03-03-15
Neg. Moment	-250 ft-lbs	9.2%	100%	1	06-09-03
End Reaction	200 lbs	19.4%	100%	2	00-00-00
Int. Reaction	486 lbs	23.2%	100%	1	06-09-03
End Shear	188 lbs	12.7%	100%	2	00-02-07
Cont. Shear	296 lbs	20.1%	100%	1	06-07-07
Total Load Deflection	L/999 (0.018")	n\a	n\a	2	03-06-02
Live Load Deflection	L/999 (0.011")	n\a	n\a	5	03-03-15
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	2	08-02-12
Max Defl.	0.018"	n\a	n\a	2	03-06-02
Span / Depth	8.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	200 lbs	10.2%	19.4%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	486 lbs	16.3%	23.2%	Unspecified
B3	Hanger	2" x 2"	93 lbs	6.7%	9.3%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Single 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10dx1.5 face nails, (4) 10dx1.5 TF nails, (2) Strong-Grip joist nails.

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J5-16" O.C.(i1035) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J5-16" O.C.(i1035)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

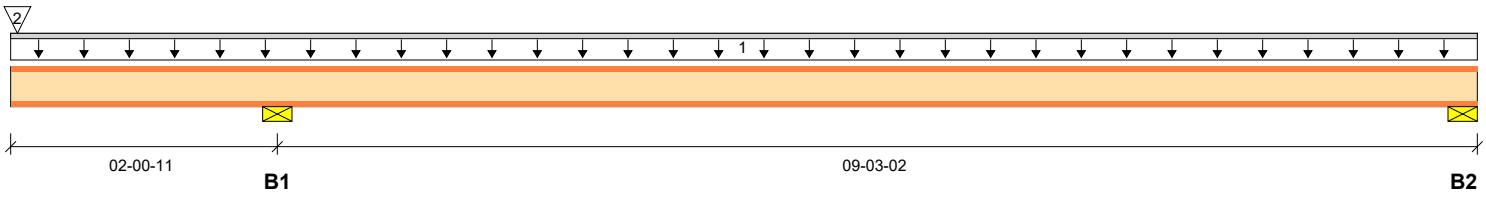
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J5-16" O.C.(i818) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | L cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J5-16" O.C.(i818)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 11-03-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	391 / 0	194 / 0			
B2, 2-3/8"	268 / 13	46 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	11-03-13	Top	57	14				n\a
2	E32(i100)	Conc. Pt. (lbs)	L	00-00-10	00-00-10	Top		79				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	651 ft-lbs	23.9%	100%	3	06-10-11
Neg. Moment	-309 ft-lbs	11.4%	100%	1	02-00-11
End Reaction	315 lbs	30.6%	100%	3	11-03-13
Int. Reaction	585 lbs	27.9%	100%	1	02-00-11
End Shear	300 lbs	20.4%	100%	3	11-01-07
Cont. Shear	349 lbs	23.7%	100%	1	02-02-07
Total Load Deflection	L/999 (0.056")	n\a	n\a	3	06-07-15
Live Load Deflection	L/999 (0.051")	n\a	n\a	6	06-07-15
Total Neg. Defl.	2xL/1998 (-0.021")	n\a	n\a	3	00-00-00
Max Defl.	0.056"	n\a	n\a	3	06-07-15
Cant. Max Defl.	-0.021"	n\a	n\a	3	00-00-00
Span / Depth	11.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 2"	585 lbs	19.7%	27.9%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	315 lbs	15.6%	30.6%	Unspecified

Cautions

Design assumes Top and Bottom flanges to be restrained.

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J5-16" O.C.(i818) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | L cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J5-16" O.C.(i818)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Cantilevers require sheathed bottom flanges, blocking at cantilever support and closure at ends.
Calculations assume member is fully braced.

Disclosure

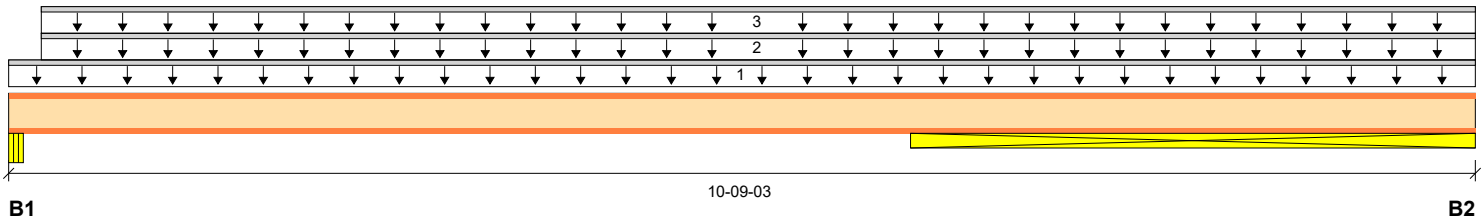
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J5-16" O.C.(i971) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J5-16" O.C.(i971)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 10-09-03

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	91 / 0	210 / 0			
B2, 49-3/4"	197 / 0	483 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	10-09-03	Top	27	7				n\a
2	63(i120)	Unf. Lin. (lb/ft)	L	00-02-14	10-09-03	Top		57				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-14	10-09-03	Top		2				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	494 ft-lbs	18.1%	100%	1	03-04-15
End Reaction	680 lbs	60.4%	100%	1	10-09-03
End Shear	296 lbs	20.1%	100%	1	06-07-07
Total Load Deflection	L/999 (0.026")	n\a	n\a	1	03-04-15
Live Load Deflection	L/999 (0.008")	n\a	n\a	2	03-04-15
Max Defl.	0.026"	n\a	n\a	1	03-04-15
Span / Depth	8.3				
Dist. Load (B2)	92.26 lb/ft	4.0%	100%		
Conc. Load (B2)	1 lbs	n\a	100%		

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	301 lbs	15.4%	29.2%	Unspecified
B2	Wall/Plate	49-3/4" x 2"	680 lbs	1.6%	60.4%	Unspecified

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

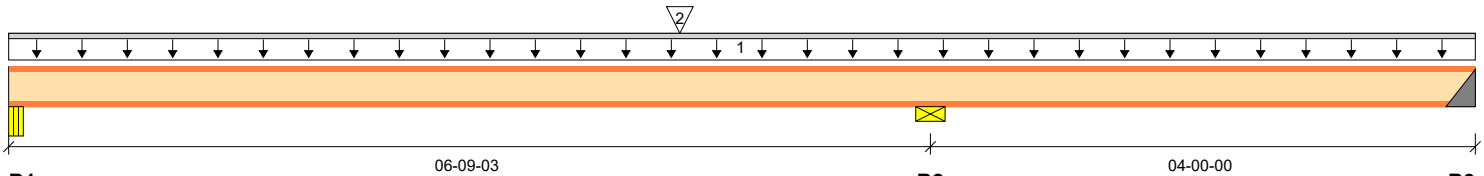
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J5-16" O.C.(i996) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J5-16" O.C.(i996)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 10-09-03

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	132 / 4	47 / 0			
B2, 3-1/2"	286 / 0	144 / 0			
B3, 2"	83 / 30	2 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	10-09-03	Top	43	11				n\a
2	66(i123)	Conc. Pt. (lbs)	L	04-11-02	04-11-02	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	270 ft-lbs	9.9%	100%	2	03-03-03
Neg. Moment	-220 ft-lbs	8.1%	100%	1	06-09-03
End Reaction	178 lbs	17.3%	100%	2	00-00-00
Int. Reaction	430 lbs	20.5%	100%	1	06-09-03
End Shear	168 lbs	11.4%	100%	2	00-02-07
Cont. Shear	260 lbs	17.6%	100%	1	06-07-07
Total Load Deflection	L/999 (0.016")	n\a	n\a	2	03-06-02
Live Load Deflection	L/999 (0.01")	n\a	n\a	5	03-03-15
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	2	08-02-12
Max Defl.	0.016"	n\a	n\a	2	03-06-02
Span / Depth	8.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 2"	178 lbs	9.1%	17.3%	Unspecified
B2	Wall/Plate	3-1/2" x 2"	430 lbs	14.4%	20.5%	Unspecified
B3	Hanger	2" x 2"	85 lbs	6.1%	8.5%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Single 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10dx1.5 face nails, (4) 10dx1.5 TF nails, (2) Strong-Grip joist nails.

Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J5-16" O.C.(i996) (Floor Joist)

BC CALC® Member Report | Dry | 2 spans | No cant. | 16 OCS | Repetitive | Glued & nailed | December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J5-16" O.C.(i996)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

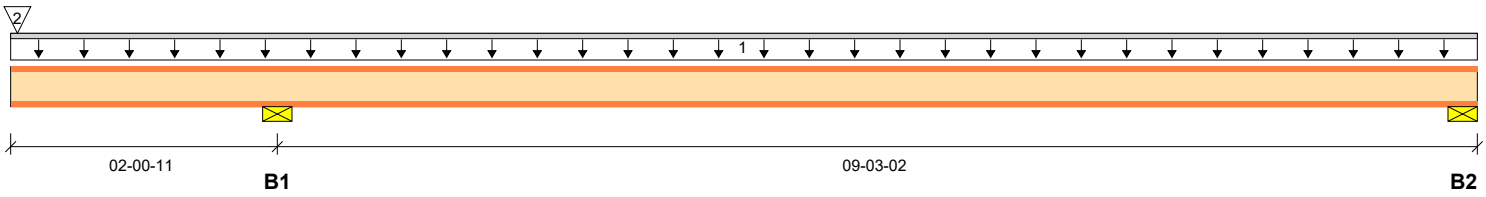
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J5-16" O.C.(i997) (Floor Joist)

BC CALC® Member Report — Dry | 2 spans | L cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J5-16" O.C.(i997)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 11-03-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	365 / 0	184 / 0			
B2, 2-3/8"	249 / 12	42 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	-	Unf. Lin. (lb/ft)	L	00-00-00	11-03-13	Top	53	13				n\a
2	E32(i100)	Conc. Pt. (lbs)	L	00-00-10	00-00-10	Top		76				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	607 ft-lbs	22.3%	100%	3	06-10-11
Neg. Moment	-294 ft-lbs	10.8%	100%	1	02-00-11
End Reaction	292 lbs	28.4%	100%	3	11-03-13
Int. Reaction	550 lbs	26.2%	100%	1	02-00-11
End Shear	280 lbs	19.0%	100%	3	11-01-07
Cont. Shear	327 lbs	22.1%	100%	1	02-02-07
Total Load Deflection	L/999 (0.052")	n\a	n\a	3	06-07-15
Live Load Deflection	L/999 (0.047")	n\a	n\a	6	06-07-15
Total Neg. Defl.	2xL/1998 (-0.019")	n\a	n\a	3	00-00-00
Max Defl.	0.052"	n\a	n\a	3	06-07-15
Cant. Max Defl.	-0.019"	n\a	n\a	3	00-00-00
Span / Depth	11.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 2"	550 lbs	18.5%	26.2%	Unspecified
B2	Wall/Plate	2-3/8" x 2"	292 lbs	14.4%	28.4%	Unspecified

Cautions

Design assumes Top and Bottom flanges to be restrained.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Cantilevers require sheathed bottom flanges, blocking at cantilever support and closure at ends.
Calculations assume member is fully braced.

Disclosure

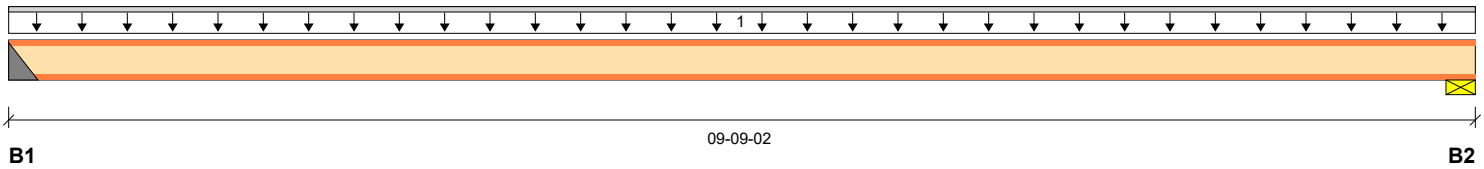
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1027) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1027)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	259 / 0	65 / 0			
B2, 2-3/8"	261 / 0	65 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	755 ft-lbs	27.7%	100%	1	04-10-06
End Reaction	324 lbs	32.6%	100%	1	00-00-00
End Shear	313 lbs	21.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.069")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.055")	n\a	n\a	2	04-10-06
Max Defl.	0.069"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	324 lbs	n\a	32.6%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	326 lbs	16.2%	31.8%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

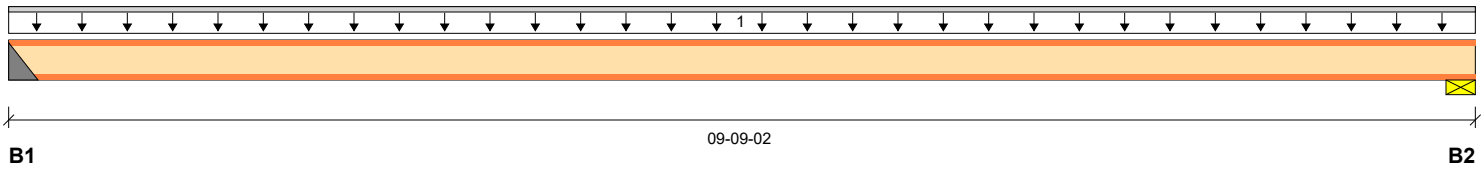
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1027) - 01 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1027)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	259 / 0	65 / 0			
B2, 2-3/8"	261 / 0	65 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	755 ft-lbs	27.7%	100%	1	04-10-06
End Reaction	324 lbs	32.6%	100%	1	00-00-00
End Shear	313 lbs	21.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.069")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.055")	n\a	n\a	2	04-10-06
Max Defl.	0.069"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	324 lbs	n\a	32.6%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	326 lbs	16.2%	31.8%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

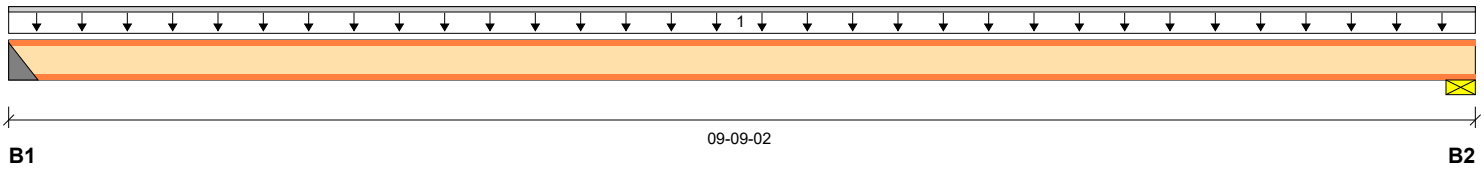
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1027) - 02 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1027)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	259 / 0	65 / 0			
B2, 2-3/8"	261 / 0	65 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	755 ft-lbs	27.7%	100%	1	04-10-06
End Reaction	324 lbs	32.6%	100%	1	00-00-00
End Shear	313 lbs	21.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.069")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.055")	n\a	n\a	2	04-10-06
Max Defl.	0.069"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	324 lbs	n\a	32.6%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	326 lbs	16.2%	31.8%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

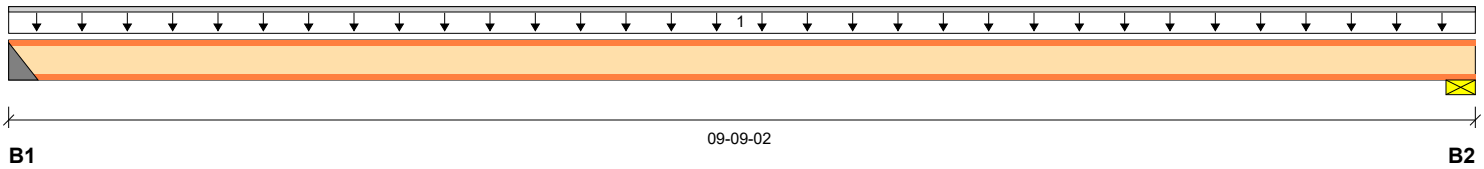
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1027) - 03 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1027)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	259 / 0	65 / 0			
B2, 2-3/8"	261 / 0	65 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	755 ft-lbs	27.7%	100%	1	04-10-06
End Reaction	324 lbs	32.6%	100%	1	00-00-00
End Shear	313 lbs	21.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.069")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.055")	n\a	n\a	2	04-10-06
Max Defl.	0.069"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	324 lbs	n\a	32.6%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	326 lbs	16.2%	31.8%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

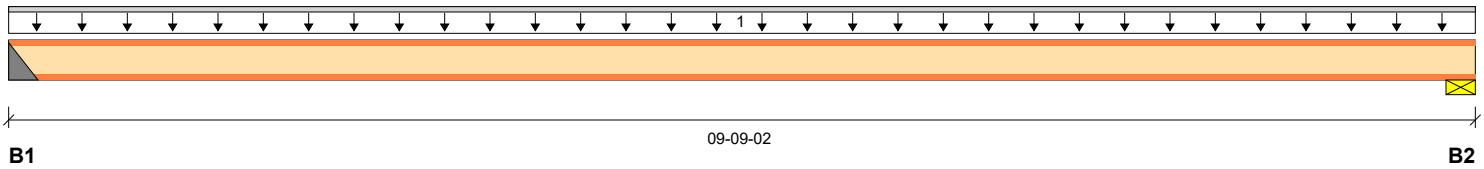
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1027) - 04 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1027)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	259 / 0	65 / 0			
B2, 2-3/8"	261 / 0	65 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	755 ft-lbs	27.7%	100%	1	04-10-06
End Reaction	324 lbs	32.6%	100%	1	00-00-00
End Shear	313 lbs	21.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.069")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.055")	n\a	n\a	2	04-10-06
Max Defl.	0.069"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	324 lbs	n\a	32.6%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	326 lbs	16.2%	31.8%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

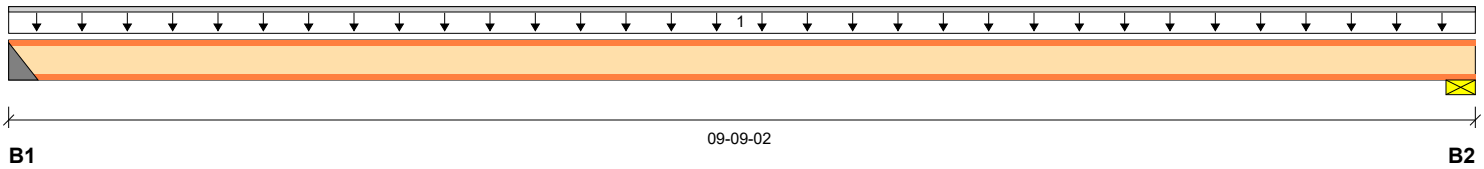
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1027) - 05 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1027)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	259 / 0	65 / 0			
B2, 2-3/8"	261 / 0	65 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	755 ft-lbs	27.7%	100%	1	04-10-06
End Reaction	324 lbs	32.6%	100%	1	00-00-00
End Shear	313 lbs	21.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.069")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.055")	n\a	n\a	2	04-10-06
Max Defl.	0.069"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	324 lbs	n\a	32.6%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	326 lbs	16.2%	31.8%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

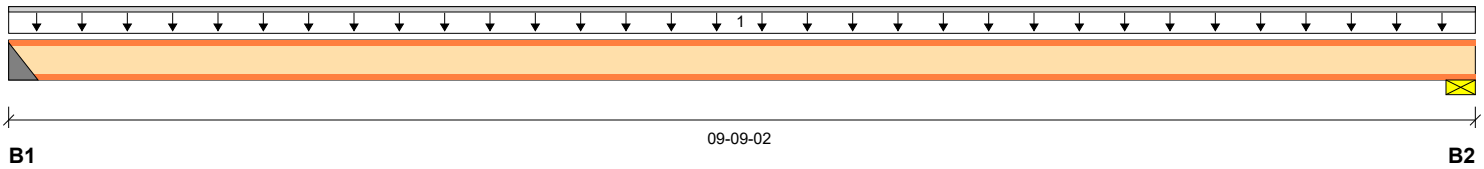
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1027) - 06 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1027)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	259 / 0	65 / 0			
B2, 2-3/8"	261 / 0	65 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	755 ft-lbs	27.7%	100%	1	04-10-06
End Reaction	324 lbs	32.6%	100%	1	00-00-00
End Shear	313 lbs	21.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.069")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.055")	n\a	n\a	2	04-10-06
Max Defl.	0.069"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	324 lbs	n\a	32.6%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	326 lbs	16.2%	31.8%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

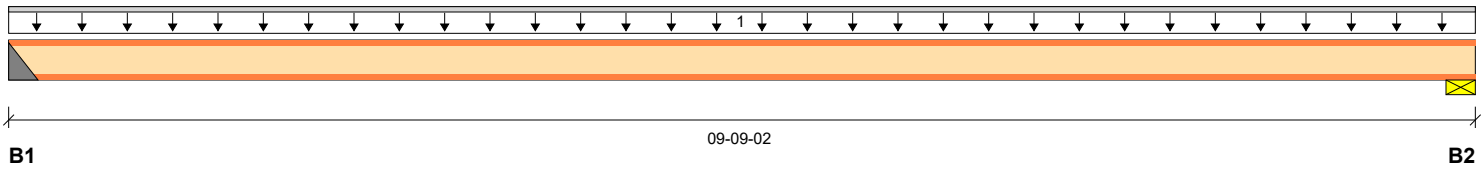
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1027) - 07 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1027)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	259 / 0	65 / 0			
B2, 2-3/8"	261 / 0	65 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	755 ft-lbs	27.7%	100%	1	04-10-06
End Reaction	324 lbs	32.6%	100%	1	00-00-00
End Shear	313 lbs	21.2%	100%	1	00-02-00
Total Load Deflection	L/999 (0.069")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.055")	n\a	n\a	2	04-10-06
Max Defl.	0.069"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	324 lbs	n\a	32.6%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	326 lbs	16.2%	31.8%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

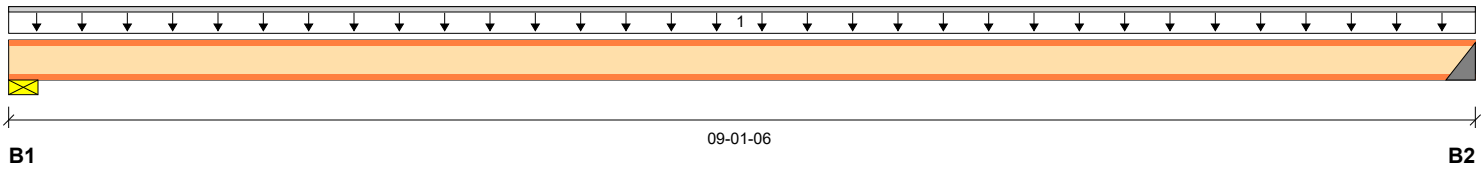
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1049) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1049)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-01-06

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	254 / 0	64 / 0			
B2, 2"	253 / 0	63 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-01-06	Top	56	14				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	685 ft-lbs	25.1%	100%	1	04-06-14
End Reaction	316 lbs	31.8%	100%	1	09-01-06
End Shear	304 lbs	20.6%	100%	1	00-02-06
Total Load Deflection	L/999 (0.056")	n\a	n\a	1	04-06-14
Live Load Deflection	L/999 (0.045")	n\a	n\a	2	04-06-14
Max Defl.	0.056"	n\a	n\a	1	04-06-14
Span / Depth	11.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	318 lbs	15.8%	31.0%	Unspecified
B2	Hanger	2" x 2"	316 lbs	20.4%	31.8%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

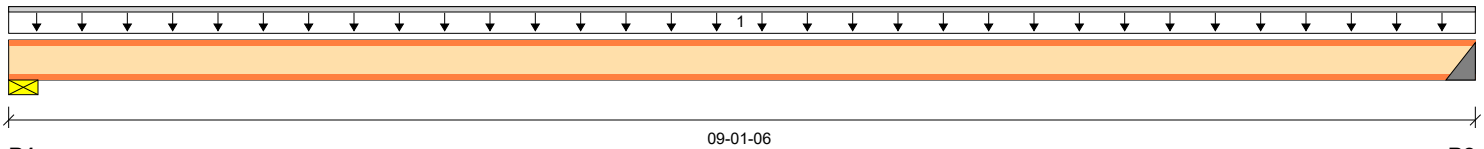
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1055) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1055)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-01-06

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	244 / 0	61 / 0			
B2, 2"	242 / 0	61 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-01-06	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	656 ft-lbs	24.1%	100%	1	04-06-14
End Reaction	303 lbs	30.5%	100%	1	09-01-06
End Shear	292 lbs	19.8%	100%	1	00-02-06
Total Load Deflection	L/999 (0.054")	n\a	n\a	1	04-06-14
Live Load Deflection	L/999 (0.043")	n\a	n\a	2	04-06-14
Max Defl.	0.054"	n\a	n\a	1	04-06-14
Span / Depth	11.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	305 lbs	15.1%	29.7%	Unspecified
B2	Hanger	2" x 2"	303 lbs	19.5%	30.5%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

Single 9-1/2" BCI® 5000s-1.8

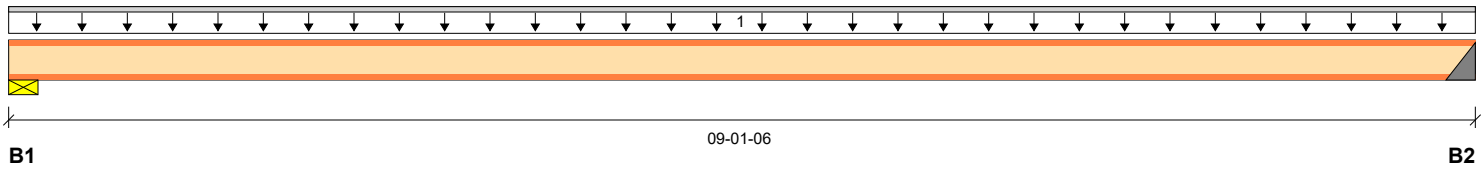
PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1055) - 01 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1055)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-01-06

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	244 / 0	61 / 0			
B2, 2"	242 / 0	61 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-01-06	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	656 ft-lbs	24.1%	100%	1	04-06-14
End Reaction	303 lbs	30.5%	100%	1	09-01-06
End Shear	292 lbs	19.8%	100%	1	00-02-06
Total Load Deflection	L/999 (0.054")	n\a	n\a	1	04-06-14
Live Load Deflection	L/999 (0.043")	n\a	n\a	2	04-06-14
Max Defl.	0.054"	n\a	n\a	1	04-06-14
Span / Depth	11.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	305 lbs	15.1%	29.7%	Unspecified
B2	Hanger	2" x 2"	303 lbs	19.5%	30.5%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

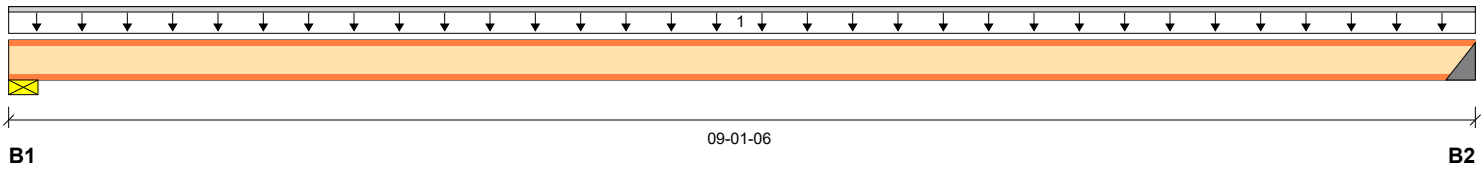
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1055) - 02 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1055)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-01-06

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	244 / 0	61 / 0			
B2, 2"	242 / 0	61 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-01-06	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	656 ft-lbs	24.1%	100%	1	04-06-14
End Reaction	303 lbs	30.5%	100%	1	09-01-06
End Shear	292 lbs	19.8%	100%	1	00-02-06
Total Load Deflection	L/999 (0.054")	n\a	n\a	1	04-06-14
Live Load Deflection	L/999 (0.043")	n\a	n\a	2	04-06-14
Max Defl.	0.054"	n\a	n\a	1	04-06-14
Span / Depth	11.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	305 lbs	15.1%	29.7%	Unspecified
B2	Hanger	2" x 2"	303 lbs	19.5%	30.5%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

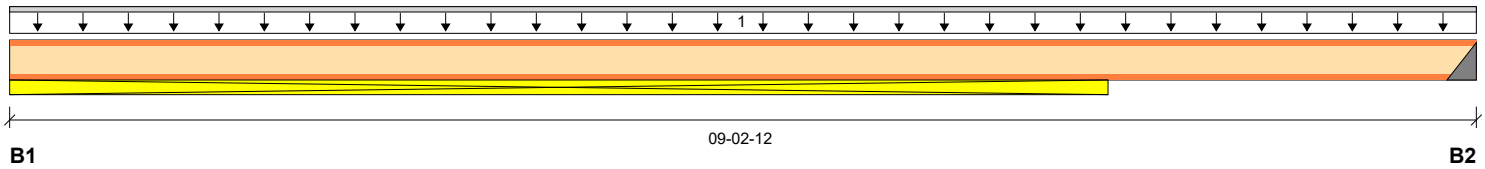
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i1080) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i1080)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-02-12

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 82-15/16"	426 / 0	107 / 0			
B2, 2"	66 / 0	17 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-02-12	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	43 ft-lbs	1.6%	100%	1	07-11-14
End Reaction	533 lbs	47.3%	100%	1	00-00-00
End Shear	72 lbs	4.9%	100%	1	06-10-15
Total Load Deflection	L/999 (0.001")	n\a	n\a	1	07-11-14
Live Load Deflection	L/999 (0.001")	n\a	n\a	2	07-11-14
Max Defl.	0.001"	n\a	n\a	1	07-11-14
Span / Depth	2.9				
Dist. Load (B1)	66.67 lb/ft	2.9%	100%		

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	82-15/16" x 2"	533 lbs	0.8%	47.3%	Unspecified
B2	Hanger	2" x 2"	83 lbs	10.2%	8.3%	ITS2.06/9.5

Cautions

Hanger ITS2.06/9.5 requires (2) 10dx1.5 face nails, (4) 10dx1.5 TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

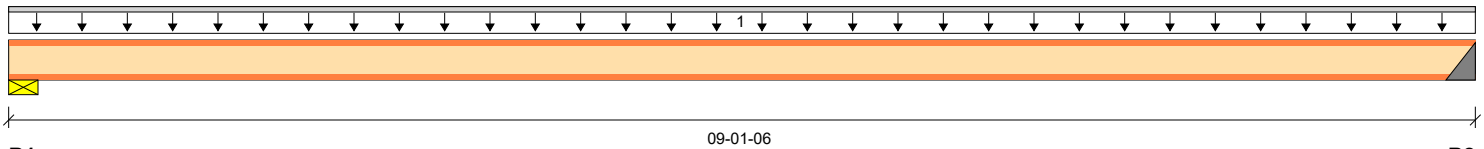
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i819) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i819)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-01-06

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	227 / 0	57 / 0			
B2, 2"	225 / 0	56 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-01-06	Top	50	12				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	610 ft-lbs	22.4%	100%	1	04-06-14
End Reaction	281 lbs	28.3%	100%	1	09-01-06
End Shear	271 lbs	18.4%	100%	1	00-02-06
Total Load Deflection	L/999 (0.05")	n\a	n\a	1	04-06-14
Live Load Deflection	L/999 (0.04")	n\a	n\a	2	04-06-14
Max Defl.	0.05"	n\a	n\a	1	04-06-14
Span / Depth	11.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 2"	283 lbs	14.0%	27.6%	Unspecified
B2	Hanger	2" x 2"	281 lbs	18.2%	28.3%	ITS2.06/9.5

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

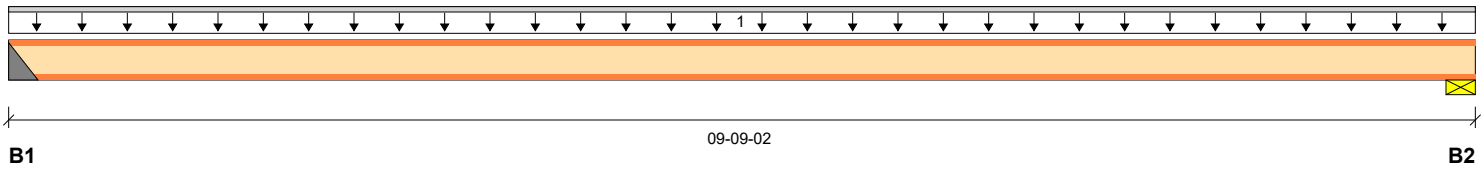
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i861) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i861)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	177 / 0	44 / 0			
B2, 2-3/8"	178 / 0	45 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	37	9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	516 ft-lbs	18.9%	100%	1	04-10-06
End Reaction	222 lbs	22.3%	100%	1	00-00-00
End Shear	214 lbs	14.5%	100%	1	00-02-00
Total Load Deflection	L/999 (0.047")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.038")	n\a	n\a	2	04-10-06
Max Defl.	0.047"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	222 lbs	n\a	22.3%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	223 lbs	11.0%	21.7%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

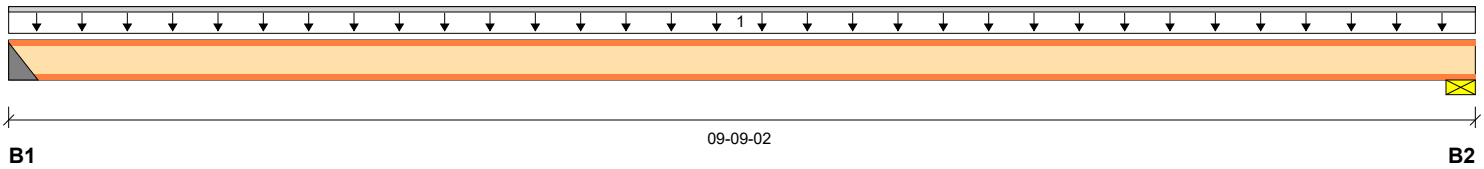
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J6-16" O.C.(i973) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J6-16" O.C.(i973)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 09-09-02

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	242 / 0	61 / 0			
B2, 2-3/8"	244 / 0	61 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	09-09-02	Top	50	12				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	705 ft-lbs	25.9%	100%	1	04-10-06
End Reaction	303 lbs	30.5%	100%	1	00-00-00
End Shear	292 lbs	19.8%	100%	1	00-02-00
Total Load Deflection	L/999 (0.064")	n\a	n\a	1	04-10-06
Live Load Deflection	L/999 (0.051")	n\a	n\a	2	04-10-06
Max Defl.	0.064"	n\a	n\a	1	04-10-06
Span / Depth	12.0				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	303 lbs	n\a	30.5%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	305 lbs	15.1%	29.7%	Unspecified

Cautions

Hanger model ITS2.06/9.5 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

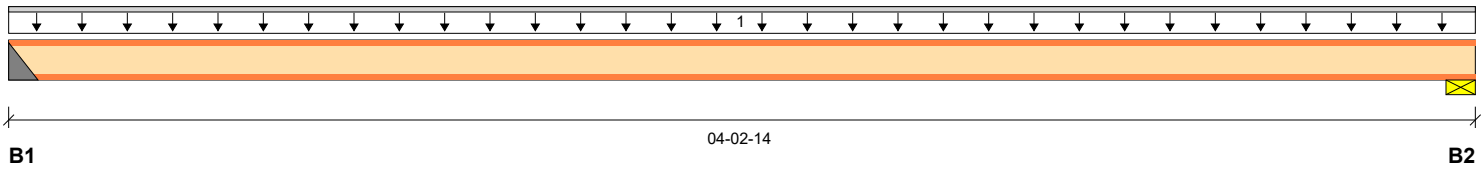
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J7-16" O.C.(i783) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J7-16" O.C.(i783)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-02-14

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	112 / 0	28 / 0			
B2, 2-3/8"	114 / 0	28 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-02-14	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	133 ft-lbs	4.9%	100%	1	02-01-04
End Reaction	140 lbs	14.1%	100%	1	00-00-00
End Shear	129 lbs	8.8%	100%	1	00-02-00
Total Load Deflection	L/999 (0.004")	n\a	n\a	1	02-01-04
Live Load Deflection	L/999 (0.003")	n\a	n\a	2	02-01-04
Max Defl.	0.004"	n\a	n\a	1	02-01-04
Span / Depth	5.1				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	140 lbs	9.1%	14.1%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	142 lbs	7.1%	13.9%	Unspecified

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

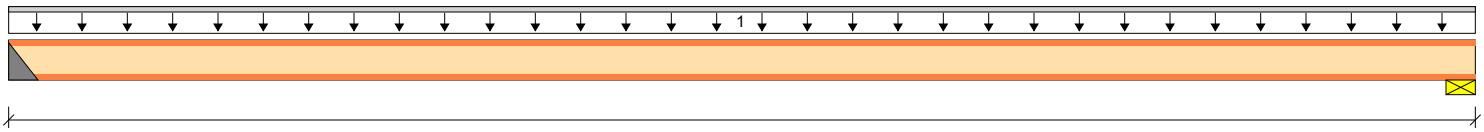
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J7-16" O.C.(i783) - 01 (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J7-16" O.C.(i783)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-02-14

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	112 / 0	28 / 0			
B2, 2-3/8"	114 / 0	28 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-02-14	Top	53	13				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	133 ft-lbs	4.9%	100%	1	02-01-04
End Reaction	140 lbs	14.1%	100%	1	00-00-00
End Shear	129 lbs	8.8%	100%	1	00-02-00
Total Load Deflection	L/999 (0.004")	n\a	n\a	1	02-01-04
Live Load Deflection	L/999 (0.003")	n\a	n\a	2	02-01-04
Max Defl.	0.004"	n\a	n\a	1	02-01-04
Span / Depth	5.1				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	140 lbs	9.1%	14.1%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	142 lbs	7.1%	13.9%	Unspecified

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

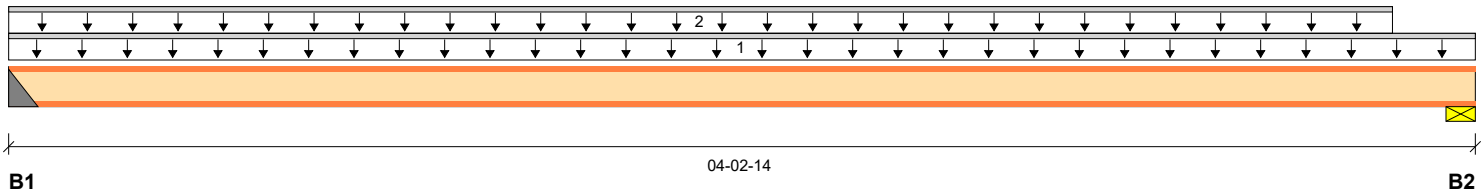
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J7-16" O.C.(i863) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J7-16" O.C.(i863)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-02-14

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	112 / 0	75 / 0			
B2, 2-3/8"	114 / 0	70 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-02-14	Top	53	13				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	04-00-00	Top		22				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	178 ft-lbs	6.5%	100%	1	02-01-04
End Reaction	187 lbs	18.8%	100%	1	00-00-00
End Shear	172 lbs	11.7%	100%	1	00-02-00
Total Load Deflection	L/999 (0.006")	n\a	n\a	1	02-01-04
Live Load Deflection	L/999 (0.003")	n\a	n\a	2	02-01-04
Max Defl.	0.006"	n\a	n\a	1	02-01-04
Span / Depth	5.1				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	187 lbs	12.1%	18.8%	ITS2.06/9.5
B2	Wall/Plate	2-3/8" x 2"	184 lbs	9.1%	18.0%	Unspecified

Cautions

Header for the hanger ITS2.06/9.5 is a Double 1-3/4" x 9-1/2" LVL Beam.
Hanger ITS2.06/9.5 requires (2) 10d face nails, (4) 10d TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

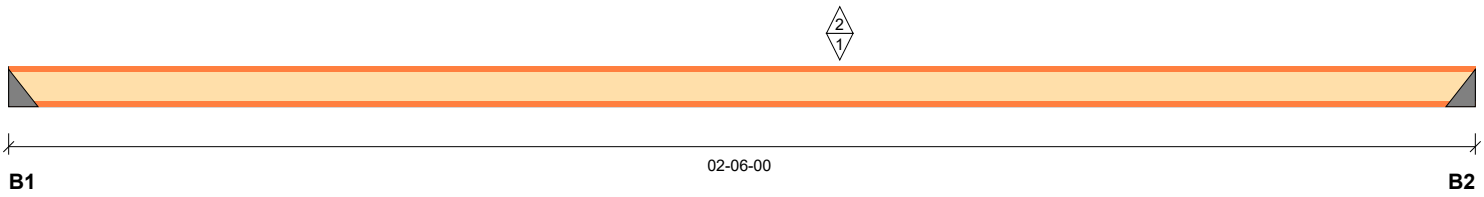
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J8-16" O.C.(i1064) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J8-16" O.C.(i1064)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 02-06-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	51 / 6	11 / 0			
B2, 2"	69 / 8	15 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	-	Conc. Pt. (lbs)	L	01-05-00	01-05-00	Front	120	26				n\a
2	-	Conc. Pt. (lbs)	L	01-05-00	01-05-00	Front	-14					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	82 ft-lbs	3.0%	100%	1	01-05-00
End Reaction	84 lbs	8.4%	100%	1	02-06-00
End Shear	84 lbs	5.7%	100%	1	02-04-00
Total Load Deflection	L/999 (0.002")	n\a	n\a	1	01-05-00
Live Load Deflection	L/999 (0.001")	n\a	n\a	3	01-05-00
Max Defl.	0.002"	n\a	n\a	1	01-05-00
Span / Depth	2.9				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	62 lbs	7.7%	6.3%	ITS2.06/9.5
B2	Hanger	2" x 2"	84 lbs	10.3%	8.4%	ITS2.06/9.5

Cautions

Hanger ITS2.06/9.5 requires (2) 10dx1.5 face nails, (4) 10dx1.5 TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

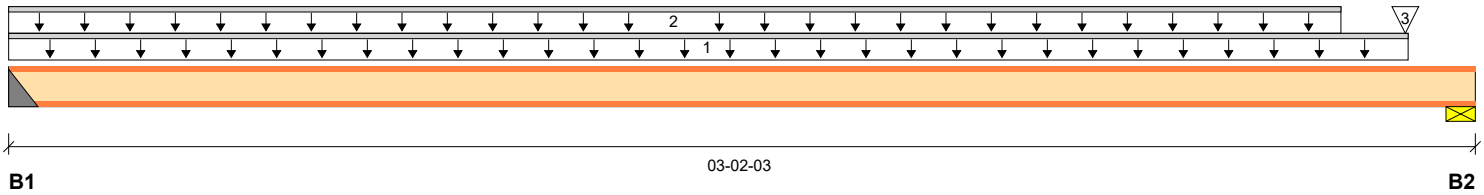
Single 9-1/2" BCI® 5000s-1.8

PASSED

1st Floor\Floor Joists\J8-16" O.C.(i965) (Floor Joist)

BC CALC® Member Report — Dry | 1 span | No cant. | 16 OCS | Repetitive | Glued & nailed — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Floor Joists\J8-16" O.C.(i965)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1336	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 03-02-03

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2"	51 / 0	13 / 0			
B2, 3-1/2"	49 / 0	21 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	OCS
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	03-00-07	Top	23	6				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	02-10-11	Top	10	3				n\a
3	51(i108)	Conc. Pt. (lbs)	L	03-00-06	03-00-06	Top		9				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	42 ft-lbs	1.6%	100%	1	01-06-06
End Reaction	64 lbs	6.4%	100%	1	00-00-00
End Shear	57 lbs	3.9%	100%	1	00-02-00
Total Load Deflection	L/999 (0.001")	n\a	n\a	1	01-06-06
Live Load Deflection	L/999 (0.001")	n\a	n\a	2	01-06-06
Max Defl.	0.001"	n\a	n\a	1	01-06-06
Span / Depth	3.6				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Hanger	2" x 2"	64 lbs	7.9%	6.4%	ITS2.06/9.5
B2	Wall/Plate	3-1/2" x 2"	71 lbs	2.4%	6.3%	Unspecified

Cautions

Hanger ITS2.06/9.5 requires (2) 10dx1.5 face nails, (4) 10dx1.5 TF nails, (2) Strong-Grip joist nails.

Notes

Design meets User specified (L/360) Total load deflection criteria.
Design meets User specified (L/480) Live load deflection criteria.
Design meets arbitrary (1") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Composite EI value based on 3/4" thick OSB sheathing glued and nailed to member.
Design based on Dry Service Condition.
Calculations assume member is fully braced.

Disclosure

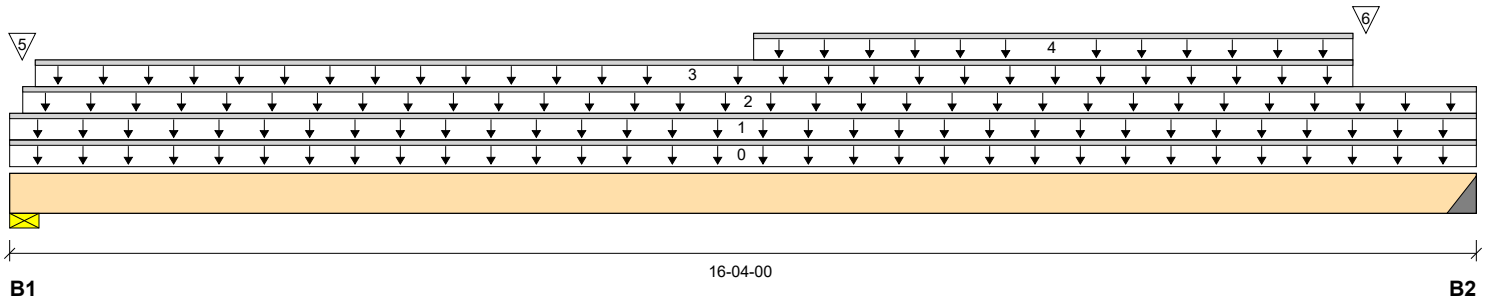
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B1-2(i1026) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B1-2(i1026)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 16-04-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	299 / 0	629 / 0			
B2, 2"	297 / 0	616 / 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	16-04-00	Top		10				00-00-00
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	16-04-00	Top	10	3				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-01-12	16-04-00	Top	27	7				n\a
3	55(i112)	Unf. Lin. (lb/ft)	L	00-03-07	14-11-08	Top		57				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	08-03-07	14-11-08	Top		2				n\a
5	51(i108)	Conc. Pt. (lbs)	L	00-01-11	00-01-11	Top		19				n\a
6	53(i111)	Conc. Pt. (lbs)	L	15-01-04	15-01-04	Top		77				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3635 ft-lbs	26.0%	100%	1	08-03-06
End Shear	868 lbs	13.7%	100%	1	15-04-08
Total Load Deflection	L/573 (0.335")	41.9%	n\a	1	08-03-06
Live Load Deflection	L/999 (0.108")	n\a	n\a	2	08-03-06
Max Defl.	0.335"	33.5%	n\a	1	08-03-06
Span / Depth	20.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 3-1/2"	928 lbs	17.8%	10.1%	Unspecified
B2	Hanger	2" x 3-1/2"	913 lbs	n\a	17.4%	HGUS410

Cautions

Hanger model HGUS410 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B1-2(i1026) (Flush Beam)

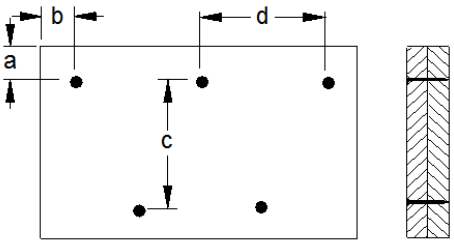
BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B1-2(i1026)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Simpson Strong-Tie, Inc.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 16-00-08.

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER® , AJS™, ALLJOIST® , BC RIM BOARD™, BCI® , BOISE GLULAM™, BC FloorValue® , VERSA-LAM®, VERSA-RIM PLUS® ,

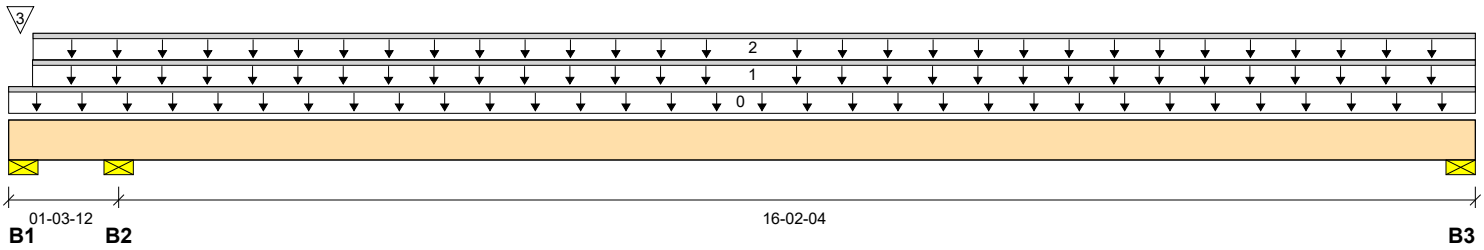
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B1-2(i1038) (Flush Beam)

BC CALC® Member Report — Dry | 2 spans | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B1-2(i1038)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 17-06-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	6 / 373	0 / 1907			
B2, 3-1/2"	512 / 0	2693 / 0			
B3, 2"	83 / 0	442 / 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	17-06-00	Top		10				00-00-00
1	E27(i103)	Unf. Lin. (lb/ft)	L	00-03-07	17-06-00	Top		57				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-03-08	17-06-00	Top	13	3				n\a
3	E28(i98)	Conc. Pt. (lbs)	L	00-01-11	00-01-11	Top		17				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1588 ft-lbs	11.4%	100%	3	11-03-05
Neg. Moment	-2529 ft-lbs	31.8%	100%	3	01-03-12
End Shear	2245 lbs	35.5%	100%	3	01-01-00
Cont. Shear	2306 lbs	36.5%	100%	3	00-04-08
Total Load Deflection	L/999 (0.114")	n\a	n\a	3	10-06-12
Live Load Deflection	L/999 (0.018")	n\a	n\a	6	10-06-12
Total Neg. Defl.	L/999 (-0.001")	n\a	n\a	3	00-10-03
Max Defl.	0.114"	n\a	n\a	3	10-06-12
Span / Depth	20.3				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 3-1/2"	0 lbs	n\a	n\a	Unspecified
B1	Uplift		2280 lbs			
B2	Wall/Plate	3-1/2" x 3-1/2"	3205 lbs	61.6%	34.9%	Unspecified
B3	Wall/Plate	2" x 3-1/2"	525 lbs	17.7%	10.0%	Unspecified

Cautions

Uplift of -2280 lbs found at bearing B1.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B1-2(i1038) (Flush Beam)

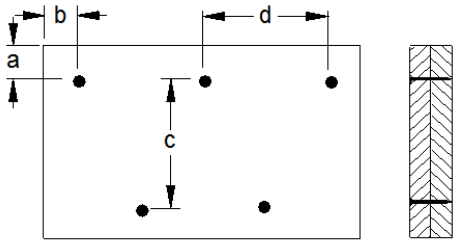
BC CALC® Member Report — Dry | 2 spans | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B1-2(i1038)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 15-10-08.

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

BC CALC®, BC FRAMER® , AJS™, ALLJOIST® , BC RIM BOARD™, BCI® , BOISE GLULAM™, BC FloorValue® , VERSA-LAM®, VERSA-RIM PLUS® ,

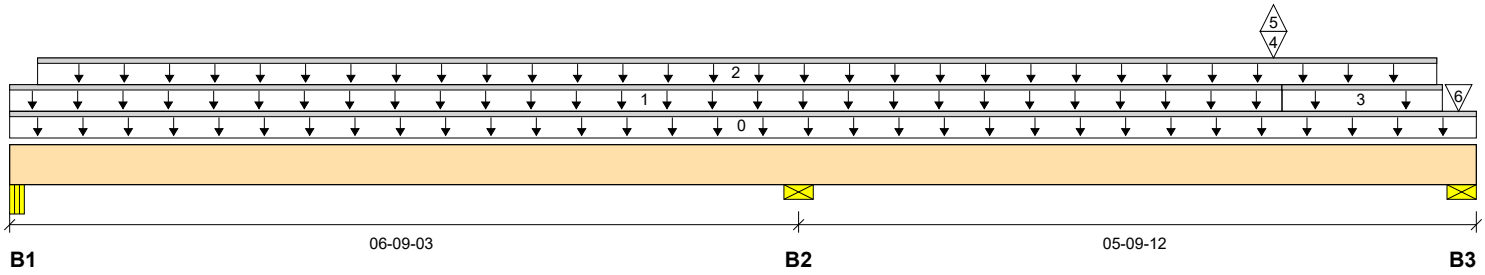
Single 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B2(i733) (Flush Beam)

BC CALC® Member Report — Dry | 2 spans | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B2(i733)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 12-06-15

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-7/16"	82 / 11	169 / 0			
B2, 3-1/2"	231 / 14	556 / 0			
B3, 3-1/2"	100 / 39	194 / 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	12-06-15	Top		5				00-00-00
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	10-10-15	Top	27	7				n\a
2	64(i121)	Unf. Lin. (lb/ft)	L	00-02-14	12-02-14	Top		57				n\a
3	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	10-10-15	12-03-07	Top	7					n\a
4	B6(i1041)	Conc. Pt. (lbs)	L	10-10-01	10-10-01	Back	84	91				n\a
5	B6(i1041)	Conc. Pt. (lbs)	L	10-10-01	10-10-01	Back	-37					n\a
6	51(i108)	Conc. Pt. (lbs)	L	12-05-02	12-05-02	Top		11				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	351 ft-lbs	5.0%	100%	4	10-08-14
Neg. Moment	-502 ft-lbs	7.6%	100%	1	06-09-03
End Shear	268 lbs	8.5%	100%	4	11-05-15
Cont. Shear	308 lbs	9.8%	100%	1	07-08-07
Total Load Deflection	L/999 (0.009")	n\a	n\a	3	03-01-05
Live Load Deflection	L/999 (0.003")	n\a	n\a	7	03-03-02
Total Neg. Defl.	L/999 (0")	n\a	n\a	3	07-05-08
Max Defl.	0.009"	n\a	n\a	3	03-01-05
Span / Depth	8.4				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Beam	2-7/16" x 1-3/4"	250 lbs	14.7%	7.9%	Unspecified
B2	Wall/Plate	3-1/2" x 1-3/4"	787 lbs	30.2%	17.1%	Unspecified
B3	Wall/Plate	3-1/2" x 1-3/4"	294 lbs	11.3%	6.4%	Unspecified

Single 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B2(i733) (Flush Beam)

BC CALC® Member Report — Dry | 2 spans | No cant. — December 22, 2021 10:31:03

Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B2(i733)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 06-05-01.

Disclosure

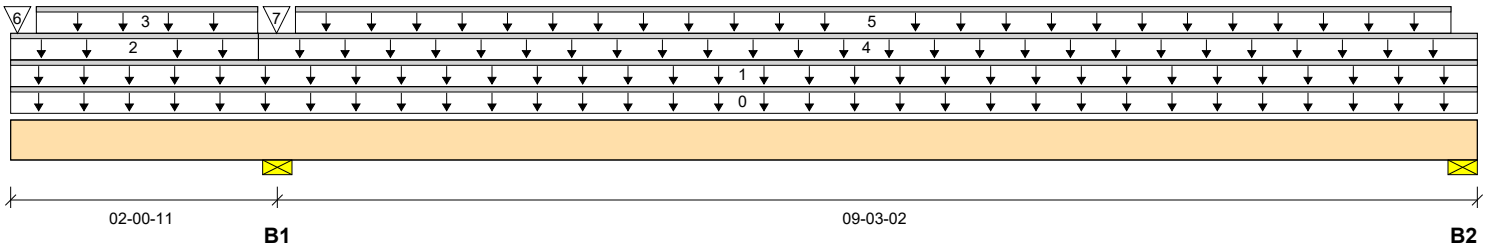
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B3-2(i753) (Flush Beam)

BC CALC® Member Report — Dry | 2 spans | L cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B3-2(i753)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 11-03-13

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	329 / 0	588 / 0			
B2, 2-3/8"	251 / 8	336 / 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	11-03-13	Top		10				00-00-00
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	11-03-13	Top	30	8				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	01-10-15	Top	6					n\a
3	E31(i101)	Unf. Lin. (lb/ft)	L	00-02-06	01-10-14	Top		57				n\a
4	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	01-10-15	11-03-13	Top	23	6				n\a
5	69(i126)	Unf. Lin. (lb/ft)	L	02-02-06	11-01-06	Top		57				n\a
6	E32(i100)	Conc. Pt. (lbs)	L	00-00-10	00-00-10	Top		53				n\a
7	E30(i99)	Conc. Pt. (lbs)	L	02-00-10	02-00-10	Top		17				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1265 ft-lbs	9.1%	100%	3	06-09-05
Neg. Moment	-320 ft-lbs	3.4%	100%	1	02-00-11
End Shear	466 lbs	7.4%	100%	3	10-03-15
Cont. Shear	518 lbs	8.2%	100%	1	02-11-15
Total Load Deflection	L/999 (0.037")	n\a	n\a	3	06-07-15
Live Load Deflection	L/999 (0.017")	n\a	n\a	6	06-07-15
Total Neg. Defl.	2xL/1998 (-0.024")	n\a	n\a	3	00-00-00
Max Defl.	0.037"	n\a	n\a	3	06-07-15
Cant. Max Defl.	-0.024"	n\a	n\a	3	00-00-00
Span / Depth	11.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 3-1/2"	917 lbs	17.6%	10.0%	Unspecified
B2	Wall/Plate	2-3/8" x 3-1/2"	587 lbs	16.6%	9.4%	Unspecified

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B3-2(i753) (Flush Beam)

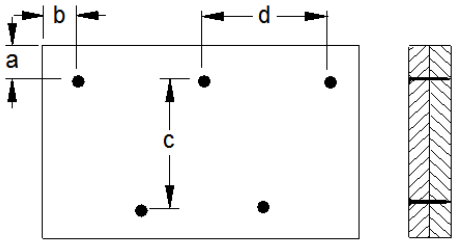
BC CALC® Member Report — Dry | 2 spans | L cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B3-2(i753)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

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") Maximum Total load deflection criteria.
Design meets arbitrary (1") Cantilever Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Cantilevers require sheathed bottom flanges, blocking at cantilever support and closure at ends.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 08-11-00.

Connection Diagram: Full Length of Member



a minimum = 2"
b minimum = 3"
c = 5-1/2"
d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

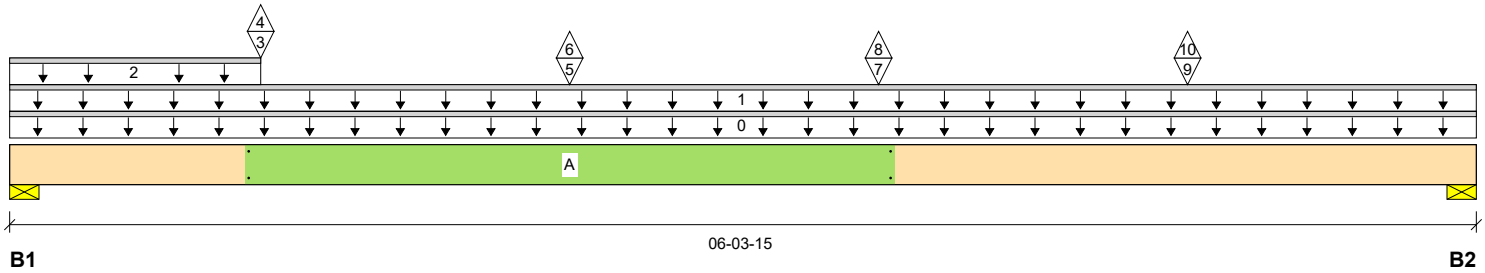
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B4-2(i1040) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B4-2(i1040)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 06-03-15

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3"	1335 / 63	1045 / 0			
B2, 3"	1195 / 58	870 / 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	06-03-15	Top		10				00-00-00
1	51(i108)	Unf. Lin. (lb/ft)	L	00-00-00	06-03-15	Top		57				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-00-00	01-01-00	Top	41					n\a
3	-	Conc. Pt. (lbs)	L	01-01-00	01-01-00	Front	693	402				n\a
4	-	Conc. Pt. (lbs)	L	01-01-00	01-01-00	Front	-32					n\a
5	-	Conc. Pt. (lbs)	L	02-05-00	02-05-00	Front	574	456				n\a
6	-	Conc. Pt. (lbs)	L	02-05-00	02-05-00	Front	-29					n\a
7	-	Conc. Pt. (lbs)	L	03-09-00	03-09-00	Front	574	374				n\a
8	-	Conc. Pt. (lbs)	L	03-09-00	03-09-00	Front	-29					n\a
9	-	Conc. Pt. (lbs)	L	05-01-00	05-01-00	Front	645	249				n\a
10	-	Conc. Pt. (lbs)	L	05-01-00	05-01-00	Front	-31					n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	3550 ft-lbs	25.4%	100%	1	03-00-00
End Shear	2254 lbs	35.7%	100%	1	01-00-08
Total Load Deflection	L/999 (0.046")	n\a	n\a	1	03-02-00
Live Load Deflection	L/999 (0.026")	n\a	n\a	3	03-02-00
Max Defl.	0.046"	n\a	n\a	1	03-02-00
Span / Depth	7.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3" x 3-1/2"	2380 lbs	53.3%	30.2%	Unspecified
B2	Wall/Plate	3" x 3-1/2"	2066 lbs	46.3%	26.2%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 01-00-15.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

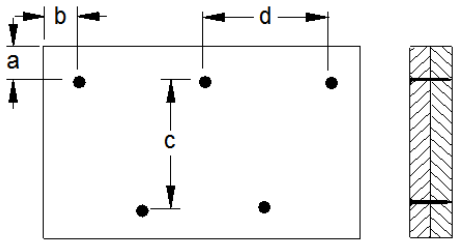
PASSED

1st Floor\Flush Beams\B4-2(i1040) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B4-2(i1040)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member

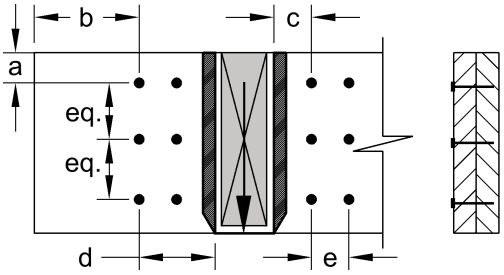


a minimum = 2"
b minimum = 3"
c = 5-1/2"
d = 12"

Calculated Side Load = 476.0 lb/ft
Connectors are: 16d Common Nails

Connection Diagrams: Concentrated Side Loads

Connection Tag: A Applies to load tag(s): 7+5+6+8+9+10+7+8+11+12



a minimum = 2"
b minimum = 4"
c minimum = 4"
d maximum = 12"
e minimum = 4"
Connectors are: 12 x 16d Box Nails

Disclosure

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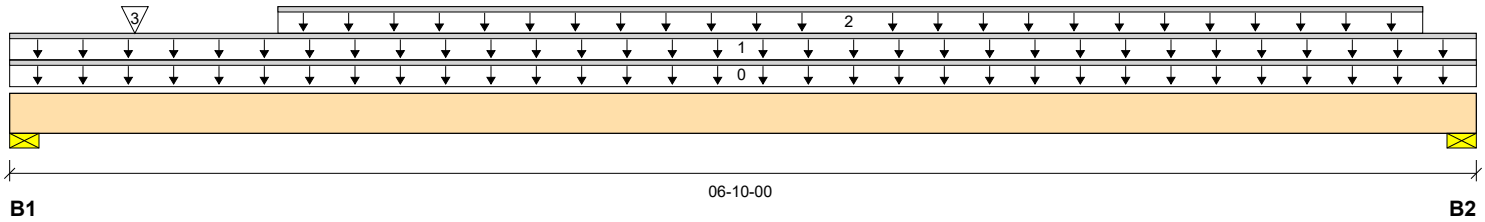
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B4-2(i864) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B4-2(i864)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 06-10-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3"	655 / 0	391 / 0			
B2, 3"	613 / 0	381 / 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	06-10-00	Top		10				00-00-00
1	E28(i98)	Unf. Lin. (lb/ft)	L	00-00-00	06-10-00	Top		57				n\a
2	Smoothed Load	Unf. Lin. (lb/ft)	L	01-03-00	06-07-00	Front	193	49				n\a
3	J6-16" O.C.(i819)	Conc. Pt. (lbs)	L	00-07-00	00-07-00	Front	237	59				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1637 ft-lbs	11.7%	100%	1	03-03-00
End Shear	872 lbs	13.8%	100%	1	05-09-08
Total Load Deflection	L/999 (0.024")	n\a	n\a	1	03-05-00
Live Load Deflection	L/999 (0.015")	n\a	n\a	2	03-05-00
Max Defl.	0.024"	n\a	n\a	1	03-05-00
Span / Depth	8.2				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3" x 3-1/2"	1045 lbs	23.4%	13.3%	Unspecified
B2	Wall/Plate	3" x 3-1/2"	994 lbs	22.3%	12.6%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 01-02-00.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

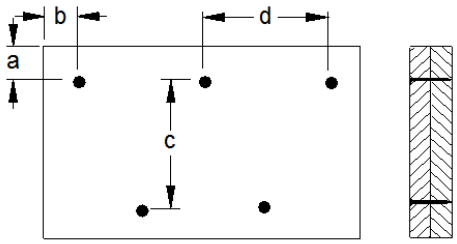
PASSED

1st Floor\Flush Beams\B4-2(i864) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B4-2(i864)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 12"

Calculated Side Load = 561.0 lb/ft
Connectors are: 16d Common Nails

Disclosure

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

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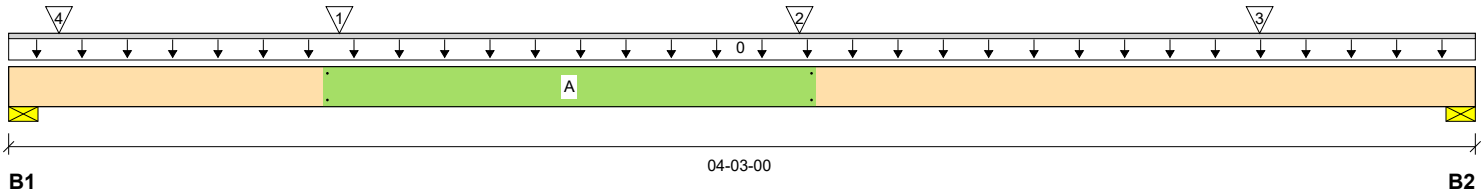
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B5-2(i1054) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B5-2(i1054)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-03-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	171 / 0	116 / 0			
B2, 3-1/2"	204 / 0	80 / 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	04-03-00	Top		10				00-00-00
1	J7-16" O.C.(i863)	Conc. Pt. (lbs)	L	00-11-08	00-11-08	Back	125	76				n\a
2	J7-16" O.C.(i783)	Conc. Pt. (lbs)	L	02-03-08	02-03-08	Back	125	31				n\a
3	J7-16" O.C.(i785)	Conc. Pt. (lbs)	L	03-07-08	03-07-08	Back	125	31				n\a
4	52(i109)	Conc. Pt. (lbs)	L	00-01-12	00-01-12	Top		17				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	264 ft-lbs	1.9%	100%	1	02-03-08
End Shear	228 lbs	3.6%	100%	1	01-01-00
Total Load Deflection	L/999 (0.001")	n\a	n\a	1	02-01-04
Live Load Deflection	L/999 (0.001")	n\a	n\a	2	02-01-11
Max Defl.	0.001"	n\a	n\a	1	02-01-04
Span / Depth	4.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 3-1/2"	287 lbs	5.5%	3.1%	Unspecified
B2	Wall/Plate	3-1/2" x 3-1/2"	284 lbs	5.4%	3.1%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 01-02-00.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

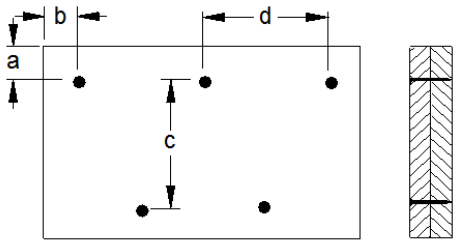
PASSED

1st Floor\Flush Beams\B5-2(i1054) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B5-2(i1054)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member

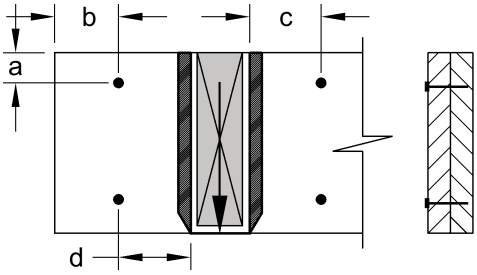


a minimum = 2"
b minimum = 3"
c = 5-1/2"
d = 24"

Calculated Side Load = 100.5 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Connection Diagrams: Concentrated Side Loads

Connection Tag: A Applies to load tag(s): 2+3



a minimum = 2"
b minimum = 4"
c minimum = 4"
d maximum = 12"
Connectors are: 4 x 3-1/4 in. Pneumatic Gun Nails

Disclosure

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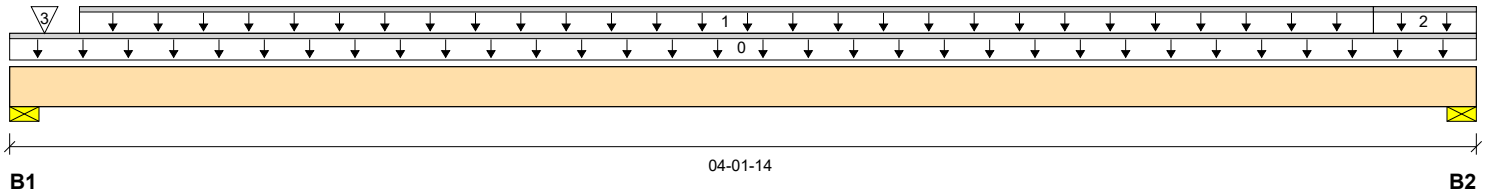
Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B5-2(i759) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B5-2(i759)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 04-01-14

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 2-3/8"	49 / 0	32 / 0			
B2, 3-1/2"	55 / 0	34 / 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	04-01-14	Top		10				00-00-00
1	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-02-06	03-10-06	Top	26	7				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	03-10-06	04-01-14	Top	28	7				n\a
3	FC2 Floor Decking (Plan View Fill)	Conc. Pt. (lbs)	L	00-01-03	00-01-03	Top	1	0				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	75 ft-lbs	0.5%	100%	1	02-00-06
End Shear	44 lbs	0.7%	100%	1	00-11-14
Total Load Deflection	L/999 (0")	n\a	n\a	1	02-00-06
Live Load Deflection	L/999 (0")	n\a	n\a	2	02-00-06
Max Defl.	0"	n\a	n\a	1	02-00-06
Span / Depth	4.8				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	2-3/8" x 3-1/2"	80 lbs	2.3%	1.3%	Unspecified
B2	Wall/Plate	3-1/2" x 3-1/2"	90 lbs	1.7%	1.0%	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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 03-08-00.

Double 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

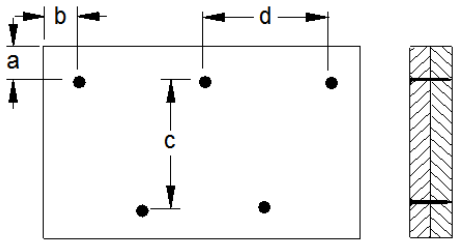
PASSED

1st Floor\Flush Beams\B5-2(i759) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B5-2(i759)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

Connection Diagram: Full Length of Member



a minimum = 2" c = 5-1/2"
b minimum = 3" d = 24"

Calculated Side Load = 0.0 lb/ft
Connectors are: 3-1/4 in. Pneumatic Gun Nails

Disclosure

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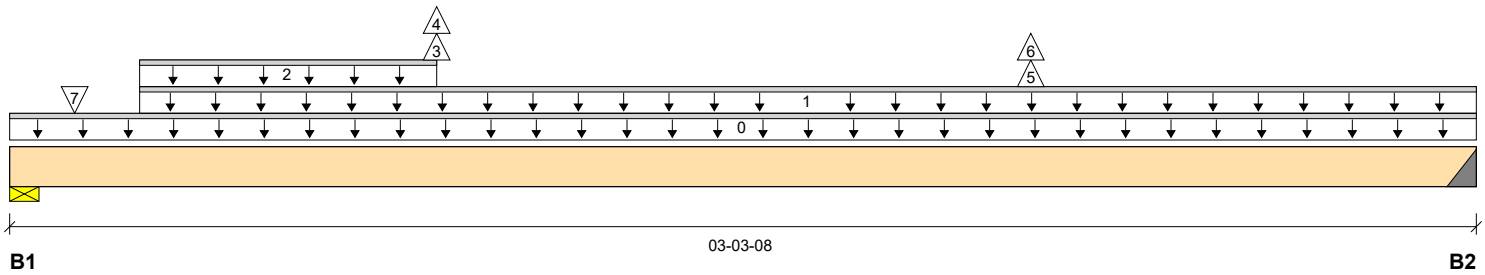
Single 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B6(i1041) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B6(i1041)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit



Total Horizontal Product Length = 03-03-08

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"	94 / 40	95 / 0			
B2, 2"	87 / 38	94 / 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	03-03-08	Top		5				00-00-00
1	65(i122)	Unf. Lin. (lb/ft)	L	00-03-08	03-03-08	Top		57				n\a
2	FC2 Floor Decking (Plan View Fill)	Unf. Lin. (lb/ft)	L	00-03-08	00-11-08	Top	3					n\a
3	J5-16" O.C.(i996)	Conc. Pt. (lbs)	L	00-11-08	00-11-08	Front	84	-2				n\a
4	J5-16" O.C.(i996)	Conc. Pt. (lbs)	L	00-11-08	00-11-08	Front	-37					n\a
5	J5-16" O.C.(i1035)	Conc. Pt. (lbs)	L	02-03-08	02-03-08	Front	94	-4				n\a
6	J5-16" O.C.(i1035)	Conc. Pt. (lbs)	L	02-03-08	02-03-08	Front	-41					n\a
7	63(i120)	Conc. Pt. (lbs)	L	00-01-12	00-01-12	Top		8				n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	138 ft-lbs	2.0%	100%	1	01-09-10
End Shear	122 lbs	3.9%	100%	1	02-04-00
Total Load Deflection	L/999 (0.001")	n\a	n\a	1	01-08-11
Live Load Deflection	L/999 (0")	n\a	n\a	3	01-08-11
Max Defl.	0.001"	n\a	n\a	1	01-08-11
Span / Depth	3.7				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate	3-1/2" x 1-3/4"	189 lbs	7.2%	4.1%	Unspecified
B2	Hanger	2" x 1-3/4"	181 lbs	n\a	6.9%	HU9

Cautions

Header for the hanger HU9 is a Single 1-3/4" x 9-1/2" LVL Beam.

Hanger model HU9 and seat length were input by the user. Hanger has not been analyzed for adequate capacity.

Single 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP

PASSED

1st Floor\Flush Beams\B6(i1041) (Flush Beam)

BC CALC® Member Report — Dry | 1 span | No cant. — December 22, 2021 10:31:03
Build 8014

Job name:	Lot 323 Park Ridge	File name:	Lot 323 Park Ridge.mmdl
Address:		Description:	1st Floor\Flush Beams\B6(i1041)
City, State, Zip:		Specifier:	
Customer:	KC-Truss & Panel	Designer:	Don Happel
Code reports:	ESR-1040	Company:	Boise Cascade BMD - Lee's Summit

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") Maximum Total load deflection criteria.
Design meets arbitrary (0.75") Maximum live load deflection criteria.
Hanger Manufacturer: Unassigned
BC CALC® analysis is based on IBC 2009.
Design based on Dry Service Condition.
Calculations assume unbraced length of Top: 00-00-00, Bottom: 01-02-00.

Disclosure