

Blown Out Rakes, Typ.

Proposed Front Elevation Scale: 1/8" = 1'0"

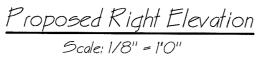
Proposed Left Elevation Scale: 1/8" = 1'0"

> NOTE: These plans are intended for the use of a licensed contractor. It is the responsibility of the contractor to verify compliance with all local building codes. Homeowner/contractor to verify dimensions, proposed layout and building materials to be used prior to proceeding with construction.

pullating materials to be used prior to p	DIOCEEATING WITH CONSTITUTION,
SHT#: 1 of 12	Date: 1/01/2016 REV
Total Living Area Sq. Ft.;	Drawn by: KK
Desc: New Custom Home	Checked by:
Projed: Sample Plan	







GENERAL NOTES:

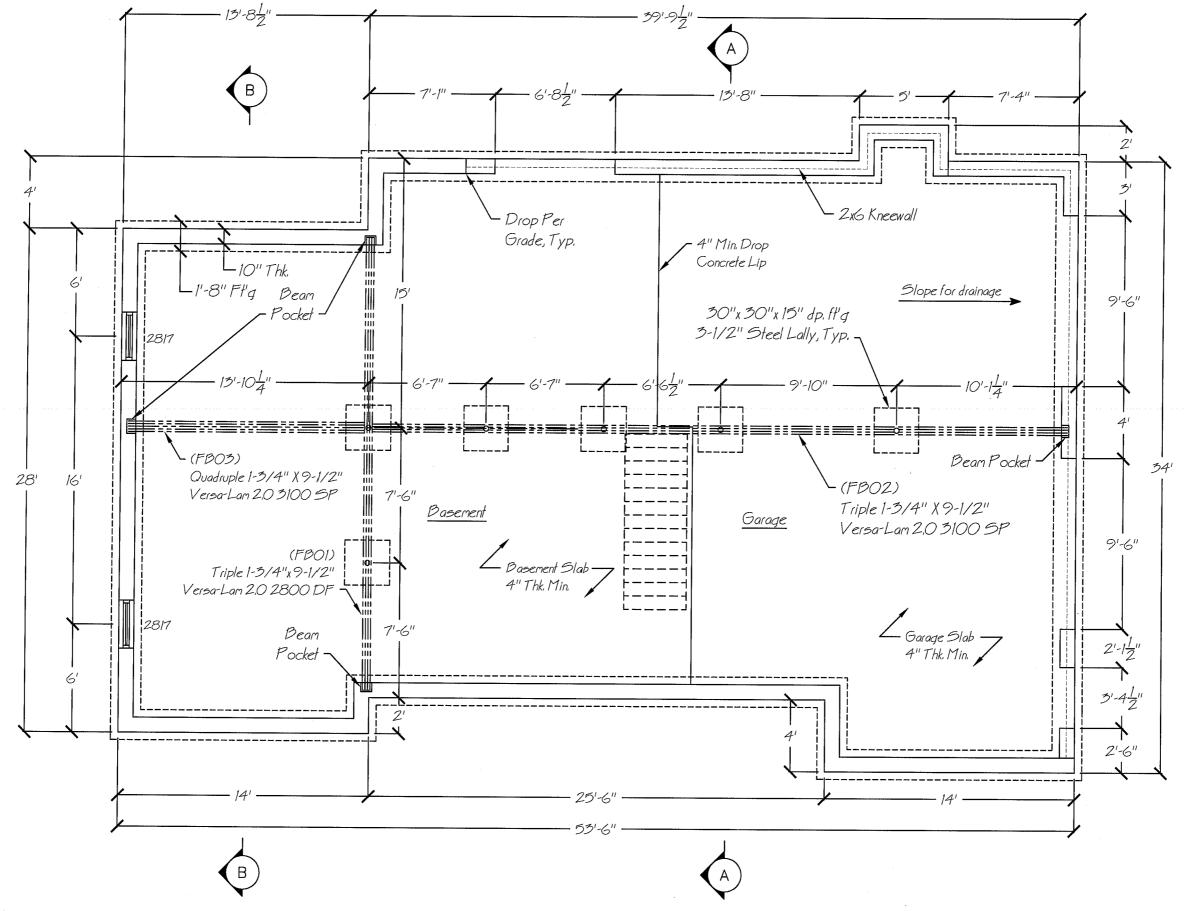
- ALL DIMENSIONS AND MATERIALS SPECIFIED ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY ADJUSTMENTS MADE ACCORDINGLY.
- 2. ALL WORK SHALL BE COMPLETED IN COMPLIANCE WITH ALL APPLICABLE BUILDING, PLUMBLING & ELECTRICAL CODES. ANY OTHER LOCAL, STATE AND / OR FEDERAL CODES THAT MAY APPLY TO THIS PROJECT SHALL BE CONSIDERED AS PART OF THE CONSTRUCTION DOCUMENTS.
- 3. ALL WASTE MATERIALS AND DEBRIS SHALL BE REMOVED AND DISPOSED OF PROPERLY.
- 4. ALL STRUCTURAL MATERIALS SHALL BE VOID OF ANY DEFECTS THAT DIMINISH THEIR CAPACITY TO FUNCTION IN AN ADEQUATE MANNER. STRUCTURAL ENGINEERING OR ANY OTHER PROFESSIONAL SERVICES THAT MAY BE REQUIRED SHALL BE PROVIDED BY OTHERS UNDER SEPERATE CONTRACT AND TERMS.
- 5. FRAMING LUMBER SHALL BE NO. 2 GRADE SPRUCE-PINE-FIR OR BETTER.
- 6. ALL PENETRATIONS (PLUMBING, ELECTRICAL, HEATING, ETC.) THRU FLOORS SHALL BE COMPLETELY FIRE CAULKED.
- 7. ALL POST SHALL BE CONTINUOUS TO FOUNDATION.
- 8. REFER TO BOISE SPECIFICATIONS AND CALCULATIONS FOR VERSA-LAM INSTALLATION.



Proposed Rear Elevation

Scale: 1/8" = 1'0"

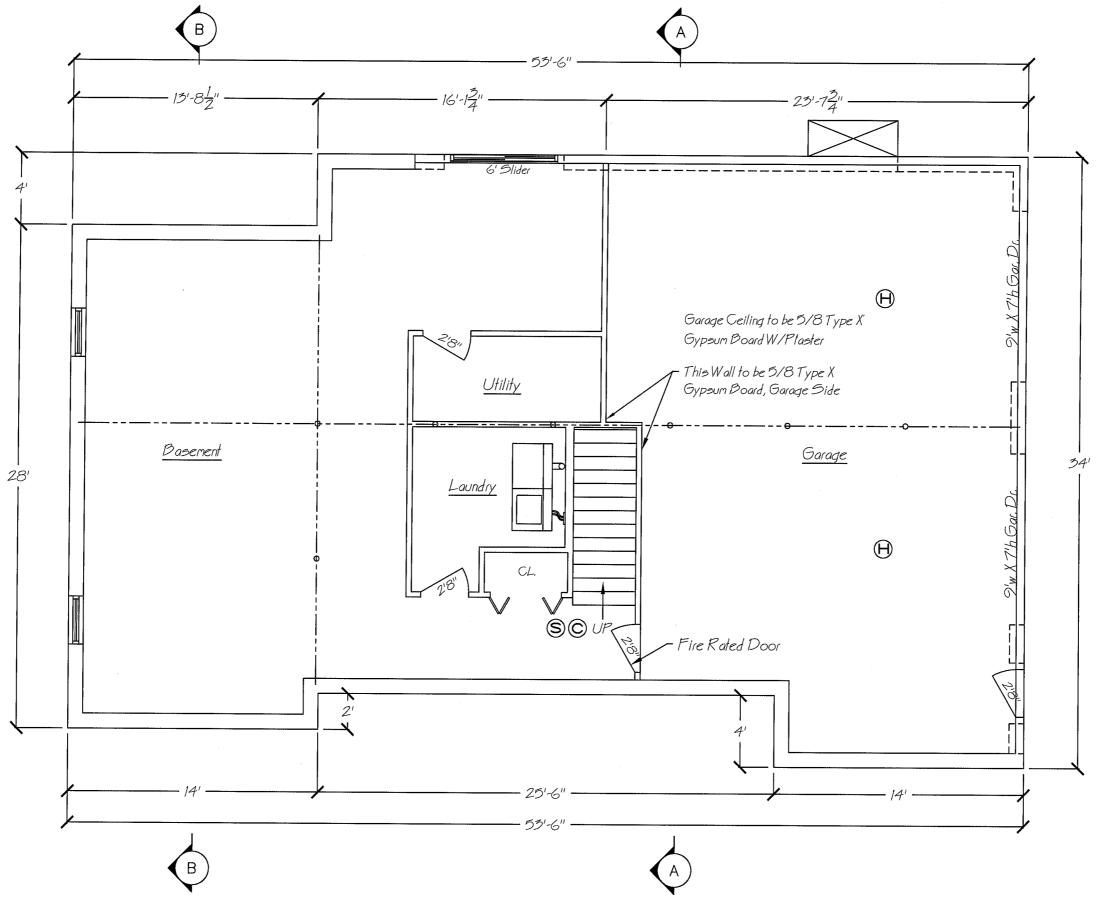




1. ALL DIMENSIONS AND MATERIALS SPECIFIED ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY ADJUSTMENTS MADE ACCORDINGLY.

NOTES:

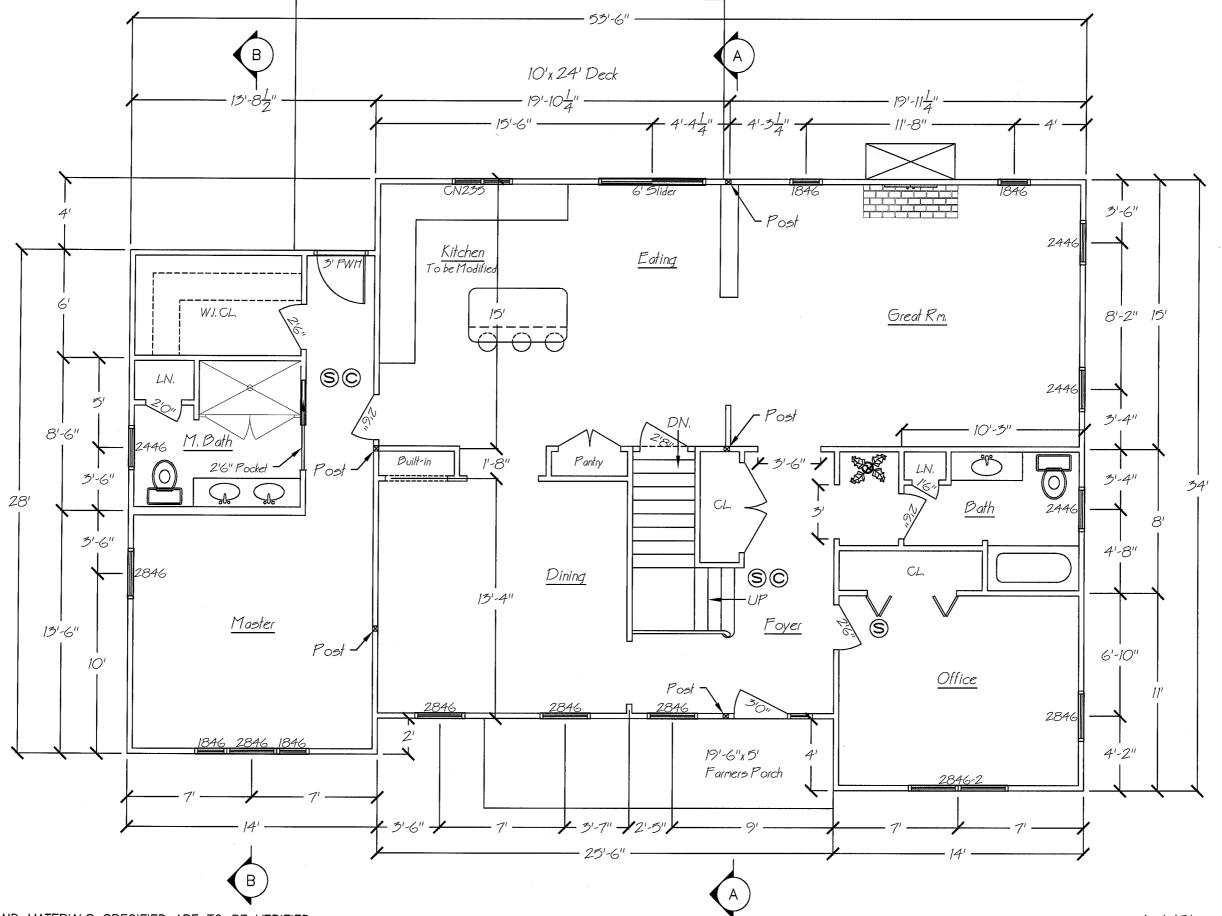




1. ALL DIMENSIONS AND MATERIALS SPECIFIED ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY ADJUSTMENTS MADE ACCORDINGLY.

Proposed Garage/Basement 4

X DESIGN

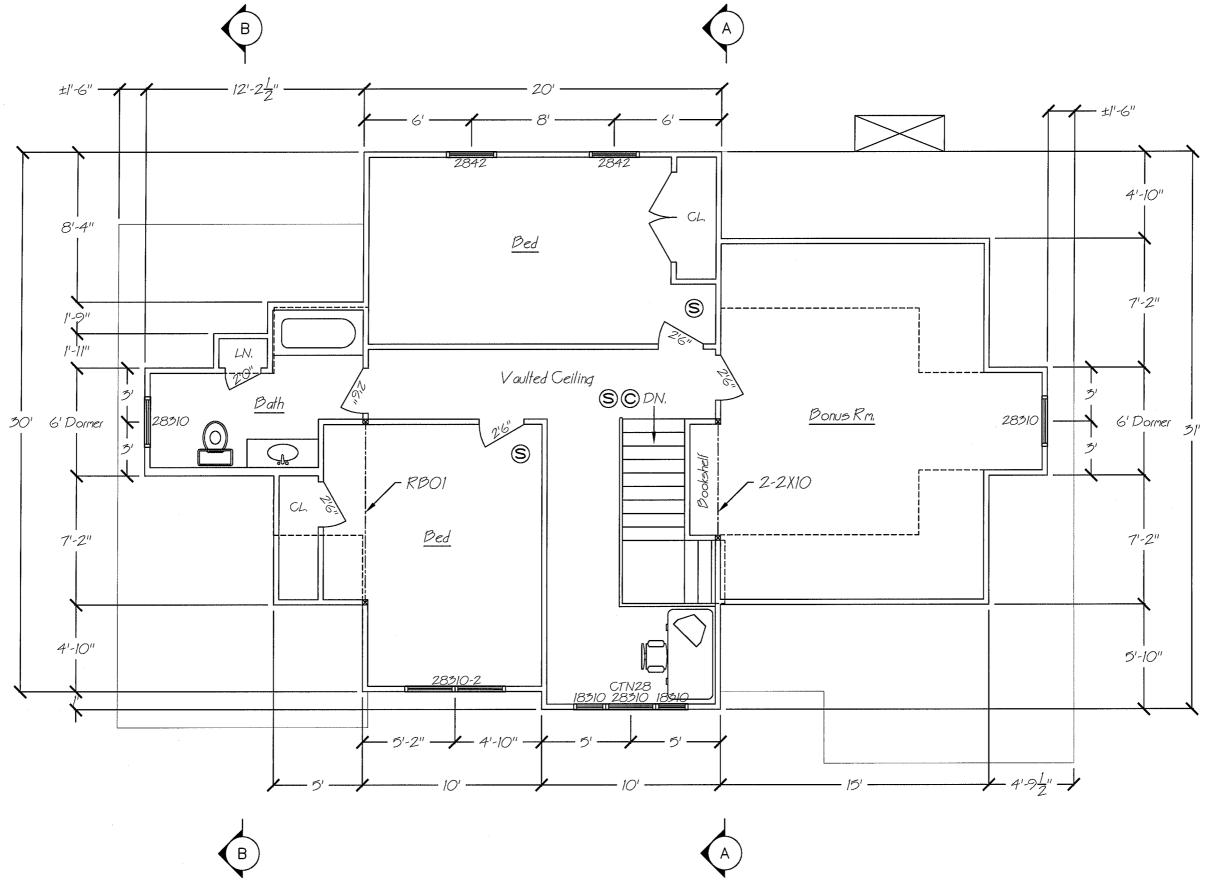


^{1.} ALL DIMENSIONS AND MATERIALS SPECIFIED ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY ADJUSTMENTS MADE ACCORDINGLY.

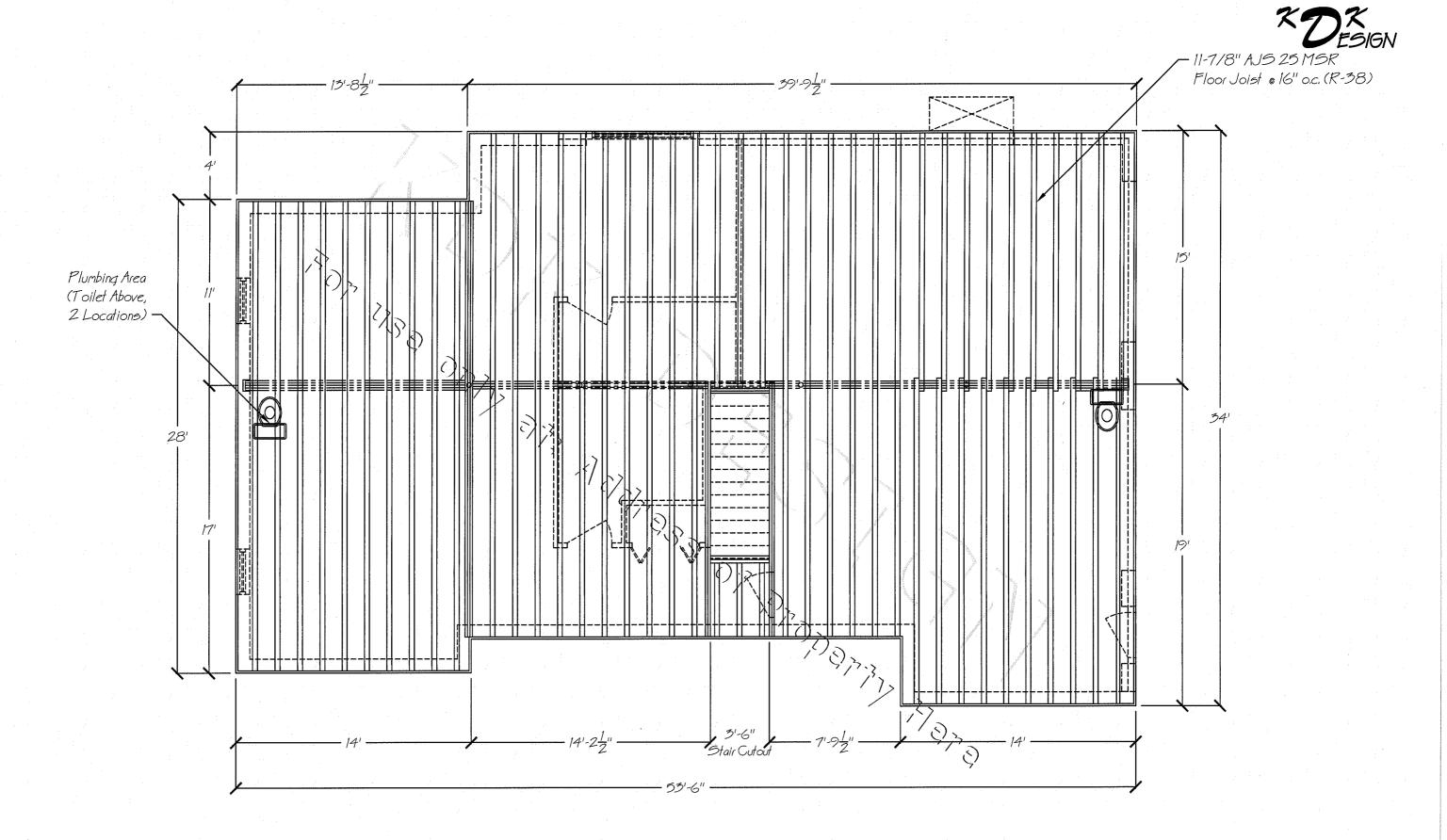
NOTES:

1st Floor Proposed 5



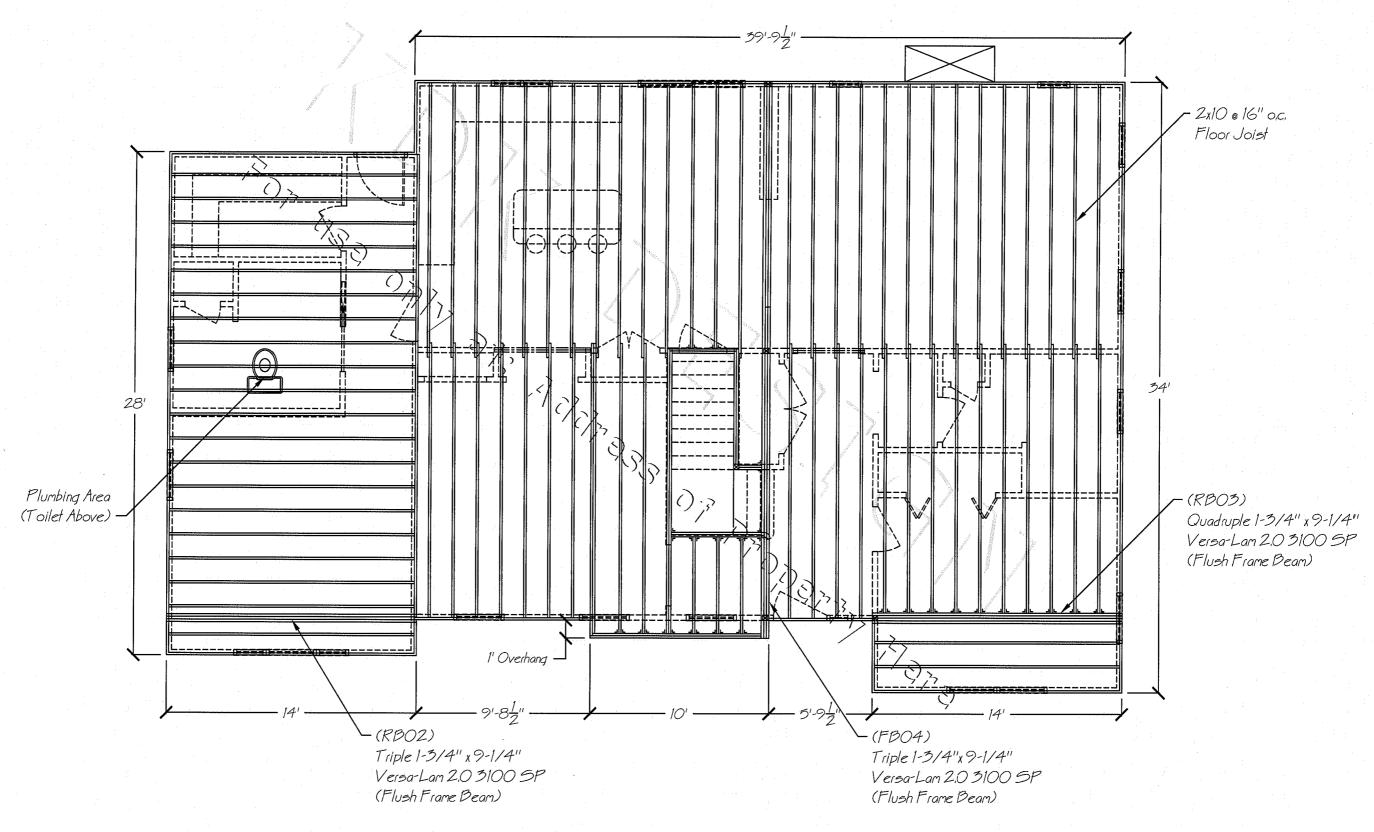


1. ALL DIMENSIONS AND MATERIALS SPECIFIED ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY ADJUSTMENTS MADE ACCORDINGLY.



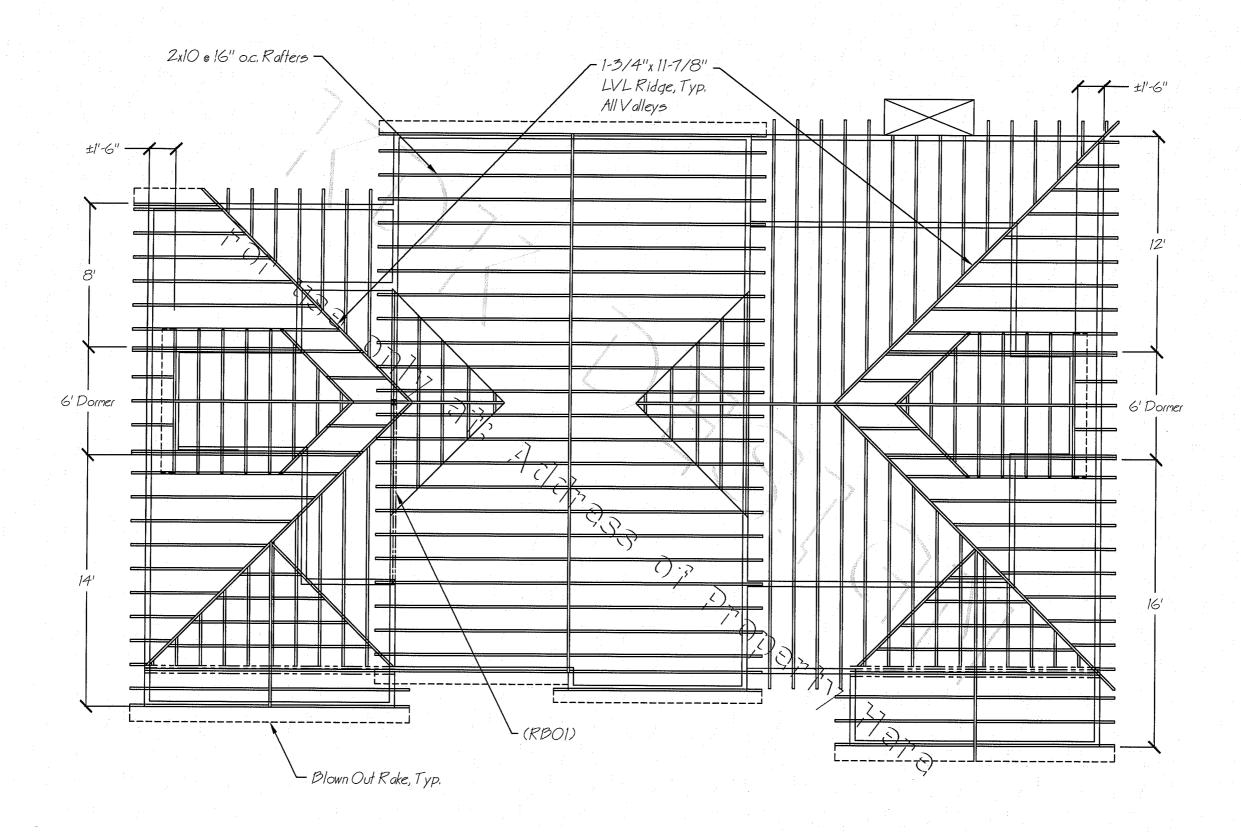
 ALL DIMENSIONS AND MATERIALS SPECIFIED ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY ADJUSTMENTS MADE ACCORDINGLY.



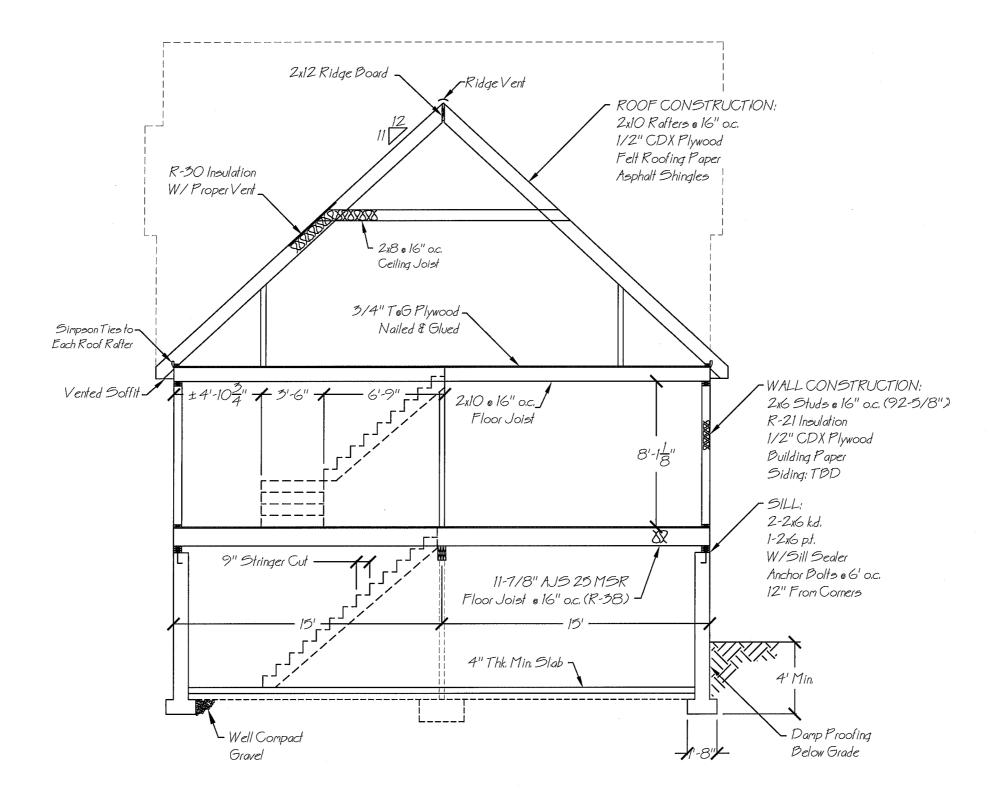


1. ALL DIMENSIONS AND MATERIALS SPECIFIED ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY ADJUSTMENTS MADE ACCORDINGLY.

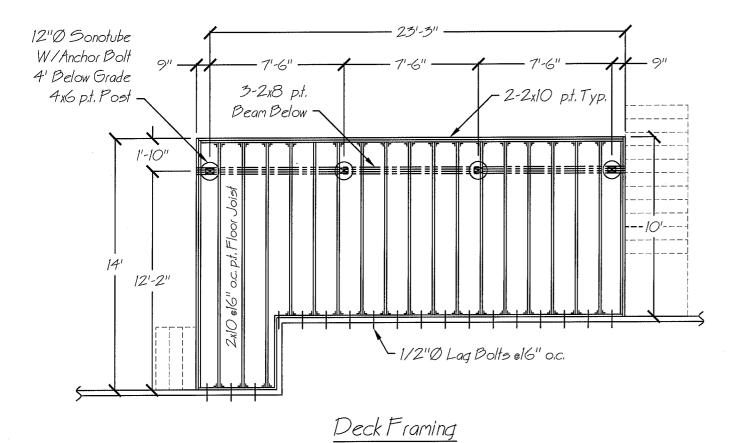




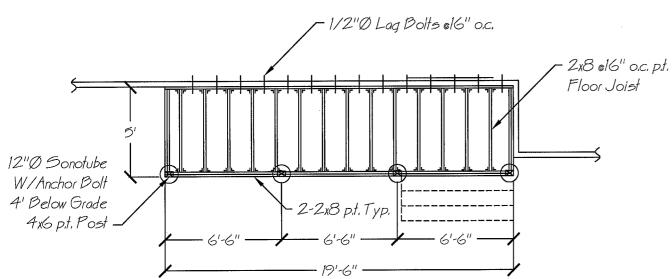
1. ALL DIMENSIONS AND MATERIALS SPECIFIED ARE TO BE VERIFIED BY THE CONTRACTOR AND ANY ADJUSTMENTS MADE ACCORDINGLY.





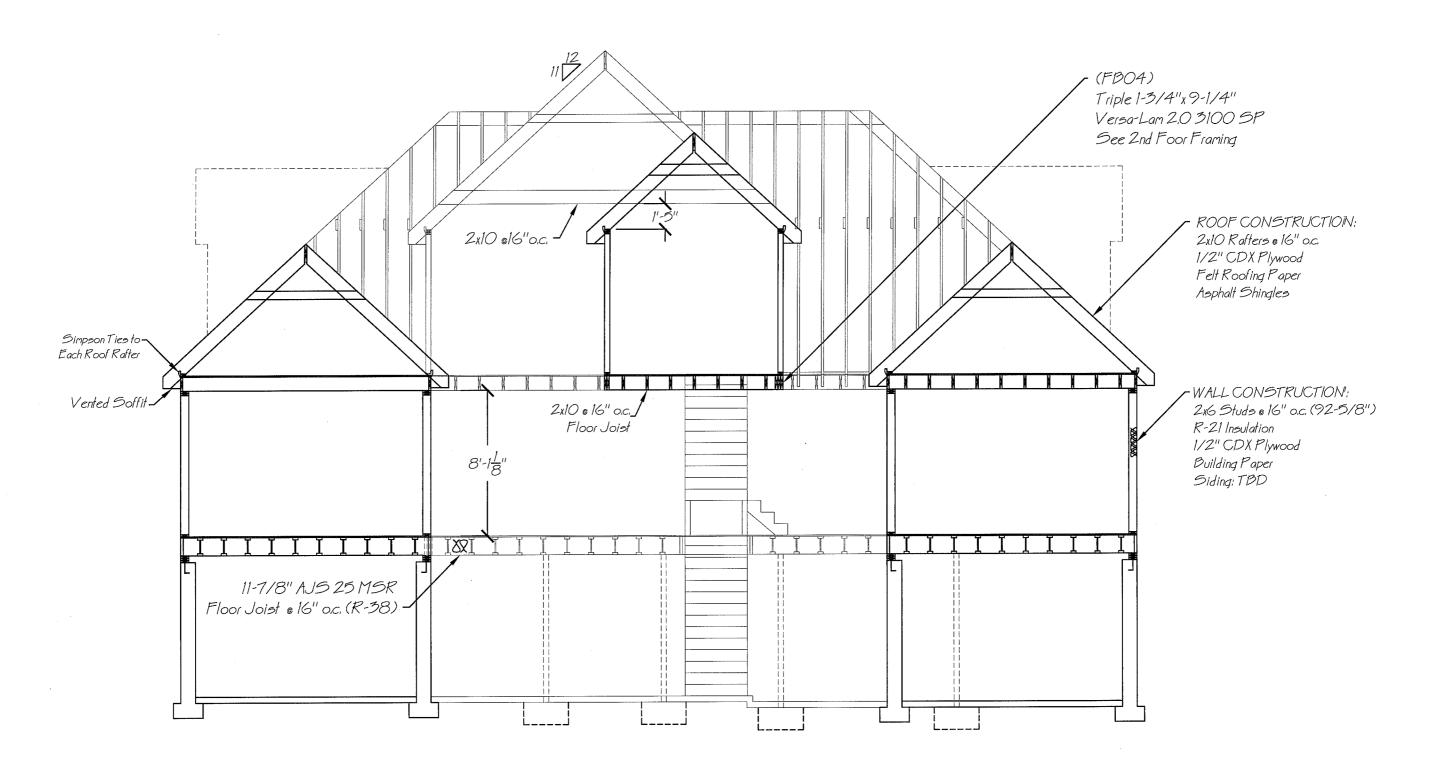


Scale: 3/16" = 1'0"



2x12 Ridge Board --Ridge Vent ROOF CONSTRUCTION: 2x10 Rafters @ 16" o.c. 1/2" CDX Plywood Felt Roofing Paper R-30 Insulation Asphalt Shingles W/ProperVent. 2x8 e 16" o.c. 2x6 Knee Wall Ceiling Joist Vented Soffit Simpson Ties -3/4" TeG Plywood -Nailed & Glued -WALL CONSTRUCTION: 12x6 Studs : 16" o.c. (92-5/8") $-\dot{R}$ -21 Insulation 2x10 @ 16" o.c. 1/2" CDX Plywood Building Paper Floor Joist Siding: TBD (RB02) Triple 1-3/4" x9-1/4" - 51LL: 3/4" TeG Plywood -Versa-Lam 2.0 3100 SP 2-2x6 k.d. Nailed & Glued (Flush Frame Beam) 1-2x6 p.t. W/Sill Sealer XX Anchor Bolts & 6' o.c. 12" From Corners 11-7/8" AJS 25 MSR Floor Joist @ 16" o.c. (R-38) 4" Thk. Min. Slab. 4' Min. - Damp Proofing Well Compact Below Grade 11-811 Gravel

Farmers Porch Framing Scale: 1/4" = 1'0"



BOISE"

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

Floor Beam\FB01

BC CALC® 9.5 Design Report - US Build 91

1 span | No cantilevers | 0/12 slope

Wednesday, October 17, 2007 01:52

Job Name: Address:

Address: City, State, Zip:

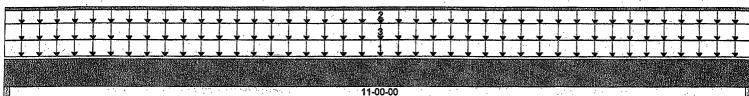
Customer: Code reports: ESR-1040 File Name: Description: FB01

Specifier: Main Beam, Basement

Designer: KK

Company: KDK Design Misc: See Founda

See Foundation Plan & 1st Floor Framing



B0, 3-1/2" LL 3080 lbs DL 2772 lbs B1, 3-1/2" LL 3080 lbs DL 2772 lbs

Total Horizontal Product Length = 11-00-00

Load Summary				Live	Dead	Snow	Wind	Roof L	lve
Tag Description Load Type	Ref.	Start	End	100%	90%	115%	133%	125%	Trib.
1 Roof Load Unf. Area (psf)	Left	00-00-00	11-00-00	35	20		•		10-00-00
2 Wall Load Unf. Lin. (plf)	Left	00-00-00	11-00-00	0	220				n/a
3 2nd Floor Load Unf. Area (psf)	Left	00-00-00	11-00-00	30	10				07-00-00

医骶骨髓 医二甲基甲基甲基		11.4.1.		Load	
Controls Summary	Value	% Allowable	Duration	Case	Span Location
Pos. Moment	14780 ft-lbs	70.6%	100%	1	1 - Internal
End Shear	4699 lbs	49.6%	100%	1	1 - Left
Total Load Defl.	L/321 (0.394")	74.8%		1	1
Live Load Defl.	L/610 (0.207")	59.0%		1	1
Max Defl.	0.394"`	39.4%		1	1
Span / Depth	13.3	n/a		0	1
		is to select the selection of the select			•
M = = -1			% Allow	% Allow	
Bearing Supports	Dim. (i. x W)	Value	Sunnorf	Memher	Material

В	earing Supports	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material	
В	0 Post	3-1/2" x 3-1/2"	5852 lbs	n/a	63.7%	Unspecified	_
В	1 Post	3-1/2" x 3-1/2"	5852 lbs	n/a	63.7%	Unspecified	
		the second secon			•		

Cautions

Member is not fully supported at post B0. A connector is required at this bearing.

Column at Bearing B0 analyzed for bearing only, column analysis has not been performed.

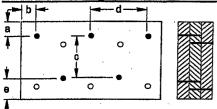
Member is not fully supported at post B1. A connector is required at this bearing.

Column at Bearing B1 analyzed for bearing only, column analysis has not been performed.

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 load deflection criteria.

Connection Diagram



e minimum = 3"

Member has no side loads. Connectors are: 16d Common Nails

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current installation Guide and applicable building codes. To obtain installation Guide or ask questions, please call (888)234-0056 before installation.

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

Floor Beam\FB02

BC CALC® 9.5 Design Report - US Build 91

2 spans | No cantilevers | 0/12 slope

Wednesday, October 17, 2007 01:51

Job Name:

Address: City, State, Zip.

Customer:

Code reports: ESR-1040

File Name:

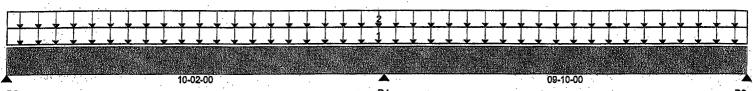
Description: FB02

Specifier: Main Beam, Basement

Designer:

Company: **KDK Design** Misc:

See Foundation Plan & 1st Floor Framing



BO

LL 5280 lbs DL 1364 lbs

B1 LL 14878 lbs DL 4426 lbs

B2 LL 5132 lbs DL 1290 lbs

Total of Horizontal Design Spans = 20-00-00

Load Summary					Live	Dead	Snow	Wind .	Roof Live	
Tag Description	Load Type	Ref.	Start	End	100%	90%	115%	133%	125%	Trib.
1 Standard Load	Unf. Area (psf)	Left	00-00-00	20-00-00	40	10	•		17	-00-00
2 2nd Floor Load	Unf. Area (psf)	Left	00-00-00	20-00-00	30	10			17	-00-00

			ty i	Load	
Controls Summary	Value	% Aliowable	Duration	Case	Span Location
Pos. Moment	14296 ft-lbs	68.3%	100%	14	1 - Internal
Neg. Moment	-19316 ft-lbs	92.3%	100%	1	1 - Right
End Shear	5309 lbs	56.0%	100%	14	1 - Left
Cont. Shear	8301 lbs	87.6%	100%	1	1 - Right
Total Load Defl.	L/388 (0.315")	61.9%		14	1
Live Load Defl.	L/459 (0.266")	78.4%		- 14	1 .
Total Neg. Defl.	-0.082 [°]	16.4%		14	2
Max Defi.	0.315"	31.5%		14	1
Span / Depth	12.8	n/a		0	1

Disclosure

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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 load deflection criteria.

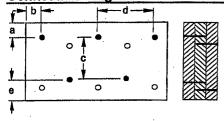
Minimum bearing length for B0 is 1-5/8".

Minimum bearing length for B1 is 4-7/8".

Minimum bearing length for B2 is 1-5/8".

Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing

Connection Diagram



a minimum = 2" c = 4-1/2"

b minimum = 3" d = 12"

e minimum = 3"

Nailing schedule applies to both sides of the member.

Member has no side loads.

Connectors are: 16d Common Nails

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

Roof Beam\RB02

SL 3150 lbs

BC CALC® 9.5 Design Report - US

1 span | No cantilevers | 0/12 slope

Wednesday, October 17, 2007 10:56

Build 91

Job Name: Address: City, State, Zip. Customer:

Code reports: **ESR-1040** File Name:

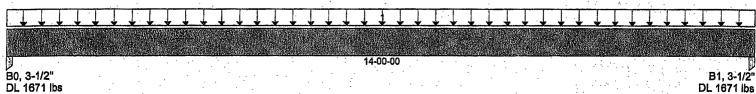
Description: RB02

Specifier: **Roof Support Beam** Designer: KK

Company: **KDK Design**

Misc:

See Roof Framing & Cross Section B-B



DL 1671 lbs SL 3150 lbs

Total Horizontal Product Length = 14-00-00

Load Summary					Live	Dead	Snow	Wind	Roof Li	ve
Tag Description	Load Type	Ref.	Start	End	100%	90%	115%	133%	125%	Trib.
1 Standard Load	Unf. Area (psf)	Left	00-00-00	14-00-00		15	30		te seguine e	15-00-00

		•		Load	,
Controls Summary	Value	% Allowable	Duration	Case	Span Location
Pos. Moment	15785 ft-lbs	69.0%	115%	3	1 - Internal
End Shear	4089 lbs	38.5%	115%	3	1 - Left
Total Load Defl.	L/216 (0.752")	83.3%		. 3	1.
Live Load Defl.	L/331 (0.492")	72.6%		3	1
Max Defl.	0.752"`	75.2%	*	3	1
Span / Depth	17.6	n/a		0	1
		•.	% Allow	% Allow	•
Bearing Supports	Dim. (L x W)	Value	Support	Member	Material
B0 Post	3-1/2" x 3-1/2"	4821 lbs	n/a	52.5%	Unspecified

Bear	ring Supports	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material
B0	Post	3-1/2" x 3-1/2"	4821 lbs	n/a	52.5%	Unspecified
B1	Post	3-1/2" x 3-1/2"	4821 lbs	n/a	52.5%	Unspecified

Cautions

Member is not fully supported at post B0. A connector is required at this bearing. Column at Bearing B0 analyzed for bearing only, column analysis has not been performed. Member is not fully supported at post B1. A connector is required at this bearing. Column at Bearing B1 analyzed for bearing only, column analysis has not been performed. For roof members with slope (1/4)/12 or less final design must ensure that ponding instability

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

Notes

Design meets Code minimum (L/180) Total load deflection criteria. Design meets Code minimum (L/240) Live load deflection criteria. Design meets arbitrary (1") Maximum load deflection criteria. Member Slope = 0, consider drainage.

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of sultability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (888)234-0056 before installation.

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Quadruple 1-3/4" x 9-1/2" VERSA-LAM® 2.0 3100 SP Floor Beam\FB03

BC CALC® 9.5 Design Report - US **Build 91**

1 span | No cantilevers | 0/12 slope

Wednesday, October 17, 2007 01:57

Job Name:

Address: City, State, Zip:

Customer:

Code reports: ESR-1040

File Name:

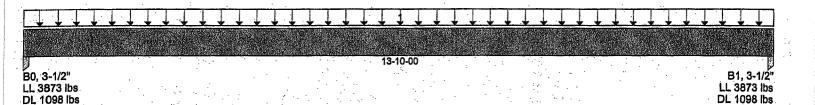
Description: FB03

Main Beam, Basement Specifier:

Designer:

KDK Design Company:

Misc: See Foundation Plan & 1st Floor Framing



Total Horizontal Product Length = 13-10-00

Load Summary						Live	Dead Snow	Wind	Roof Live
Tag Description	41	Load Type	Ref.	Start	End	100%	90% 115%	133%	125% Trib.
1 Standard Load	egavetiti Sales	Unf. Area (psf)	Left	00-00-00	13-10-00	40	10		14-00-00

	λ			Load	
Controls Summary	Value	% Allowable	Duration	Case	Span Location
Pos. Moment	16071 ft-lbs	57.6%	100%	1	1 - Internal
End Shear	4192 lbs	33.2%	100%	1	1 - Left
Total Load Defl.	L/310 (0.517")	77.4%		. 1	1
Live Load Defl.	L/398 (0.403")	90.4%		1	1.
Max Defl.	0.517"	51.7%		1	1
Span / Depth	16.9	n/a		0	1
	The second		% Allow	% Allow	-
Bearing Supports	Dim. (L x W)	Value	Support	Member	Material
B0 Post	3-1/2" x 3-1/2"	4971 lbs	n/a	54.1%	Unspecified

3-1/2" x 3-1/2" Unspecified **B1** Post 4971 lbs n/a 54.1%

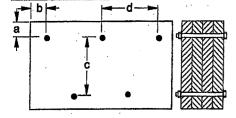
Cautions

Member is not fully supported at post 80. A connector is required at this bearing. Column at Bearing B0 analyzed for bearing only, column analysis has not been performed. Member is not fully supported at post B1. A connector is required at this bearing. Column at Bearing B1 analyzed for bearing only, column analysis has not been performed.

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 load deflection criteria.

Connection Diagram



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

Member has no side loads. Connectors are: 1/2 in. Staggered Through Bolt

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (888)234-0056 before installation.

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BOISE"

Quadruple 1-3/4" x 9-1/4" VERSA-LAM® 2.0 3100 SP Roof Beam\RB03

BC CALC® 9.5 Design Report - US Build 91

1 span | No cantilevers | 0/12 slope

Wednesday, October 17, 2007 10:54

Job Name:

Job Name: Address: City, State, Zip: Customer:

Code reports: ESR-1040

File Name:

Description: RB03

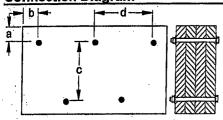
Specifier: Roof Support Beam

Designer: KK Company: KDK Design

Company: Misc:

See Roof Framing & Cross Section B-B

Connection Diagram



a minimum = 2" c = 5-1/4" b minimum = 2-1/2"d = 24"

Beams 7 inches wide will be assumed to be either top-loaded only, or equally loaded from each side. Bolts are assumed to be Grade A307 or Grade 2 or higher.

Member has no side loads.

Connectors are: 1/2 in. Staggered Through Bolt

Disclosure

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

Floor Beam\FB04

BC CALC® 9.5 Design Report - US Build 91

2 spans | No cantilevers | 0/12 slope

Friday, October 19, 2007 11:56

Job Name: Address:

City, State, Zip: **Customer:**

Code reports: ESR-1040

File Name:

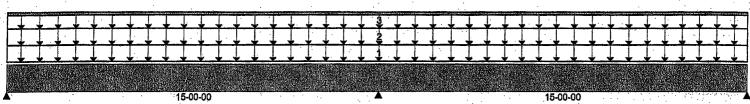
Description: FB04

Specifier: Roof Support Beam

Designer: KK

Company: **KDK Design**

Misc: See 2nd Floor Framing & Cross Section C-C



LL 2231 lbs DL 1333 lbs

B1 LL 6375 lbs **DL 4444 lbs**

B2 LL 2231 lbs **DL 1333 lbs**

Total of Horizontal Design Spans = 30-00-00

Load Summary					Live	Dead	Snow	Wind	Roof Live	
Tag Description	Load Type	Ref.	Start	End	100%	90%	115%	133%	125%	Trib.
1 Roof Load	 Unf. Area (psf)	Left	00-00-00	30-00-00	30	10		.71	10	-00-00
2 2nd Floor Load	 Unf. Area (psf)	Left	00-00-00	30-00-00	30	10			01.	04-00
3 Wall Load	Unf. Lin. (pif)	Left	00-00-00	30-00-00	0	110				n/a

Controls Summary	Value	% Allowable	Duration	Case	Span Location
Pos. Moment	11009 ft-lbs	55.3%	100%	. 16	2 - Internal
Neg. Moment	-16228 ft-lbs	81.5%	100%	1	2 - Left
End Shear	3077 lbs	33.4%	100%	14	1 - Left
Cont. Shear	4880 lbs	52.9%	100%	1	1 - Right
Total Load Defl.	L/325 (0.553")	73.8%		16	2
Live Load Defl.	L/460 (0.391")	78.2%		16	2
Total Neg. Defl.	-0.077 [°]	15.4%		14	2
Max Defi.	0.553"	55.3%		16	2
Span / Depth	19.5	຺n/a		. 0	1

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 load deflection criteria.

Minimum bearing length for B0 is 1-1/2".

Minimum bearing length for B1 is 3".

Minimum bearing length for B2 is 1-1/2".

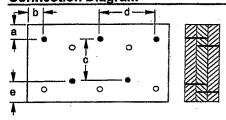
Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing

Disclosure

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Connection Diagram



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

d = 12"

e minimum = 3"

Nailing schedule applies to both sides of the member. Member has no side loads.

Connectors are: 16d Common Nails

BOISE

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

Roof Beam\RB01

BC CALC® 9.5 Design Report - US

1 span | No cantilevers | 0/12 slope

Sunday, October 14, 2007 03:23

Build 91

Job Name: Address:

City, State, Zip: Customer:

SL 1500 lbs

Code reports: ESR-1040

File Name:

Description: RB01

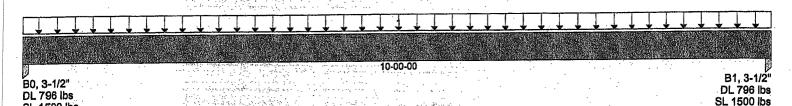
Specifier: Roof Support Beam

Designer: KK

Company: KDK Design

Misc: See 2nd Floor Proposed & Cross Section C-C

12



Total Horizontal Product Length = 10-00-00

•	Community of the second control of the secon						
Load Summary		Live	Dead	Snow	Wind	Roof Live	:
Tag Description	Load Type Ref. Start End	100%	90%	115%	133%	125% Trib.	<u>.</u>
1 Standard Load	Unf. Area (psf) Left 00-00-00 10-00-00		15	30		10-00-00	!

Controls Summary	Load Value % Allowable Duration Case	Span Location
Pos. Moment	5225 ft-lbs 34.2% 115% 3	1 - Internal
End Shear	1808 lbs 25.6% 115% 3	1 - Left
Total Load Defl.	L/617 (0,185") 29.2% 3	1
Live Load Defl.	L/945 (0.121") 25.4% 3	1
Max Defl.	0,185" 18.5%	1
Span / Depth	12.4 n/a 0	1

Bearing Supports	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material
B0 Post	3-1/2" x 3-1/2"	2296 lbs	n/a	25.0%	Unspecified
B1 Post	3-1/2" x 3-1/2"	2296 lbs	n/a	25.0%	Unspecified

Cautions

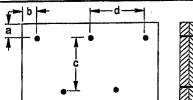
Column at Bearing B0 analyzed for bearing only, column analysis has not been performed. Column at Bearing B1 analyzed for bearing only, column analysis has not been performed. For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.

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

Notes

Design meets Code minimum (L/180) Total load deflection criteria. Design meets Code minimum (L/240) Live load deflection criteria. Design meets arbitrary (1") Maximum load deflection criteria. Member Slope = 0, consider drainage.

Connection Diagram



Member has no side loads. Connectors are: 16d Common Nails Disclosure

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

1 span | No cantilevers | 0/12 slope

Roof Beam\RB03 Wednesday, October 17, 2007 10:54

BC CALC® 9.5 Design Report - US

Build 91

Job Name: Address: City, State, Zip.

Customer: **ESR-1040** Code reports:

File Name:

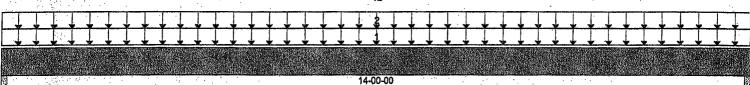
Description: RB03

Specifier: **Roof Support Beam** Designer: KK

Company: **KDK Design**

Misc: See Roof Framing & Cross Section B-B





B0, 3-1/2" LL 1575 lbs

DL 1702 lbs SL 3150 lbs

LL 1575 lbs DL 1702 lbs SL 3150 lbs

Total Horizontal Product Length = 14-00-00

Load Summary					Live	Dead	Snow	Wind	Roof Live	1
Tag Description	Load Type	Ref.	Start	End	100%	90%	115%	133%	125%	Trib.
1 Standard Load	Unf. Area (psf)	Left	00-00-00	14-00-00		10	30		15-	-00-00
2 Floor Load	Unf. Area (psf)	Left	00-00-00	14-00-00	30	10		•	07-	-06-00
							-			

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Controls Summary	Value % Allowable	Duration	Case	Span Location
Pos. Moment	21047 ft-lbs 69.0%	115%	.2	1 - Internal
End Shear	5452 lbs 38.5%	115%	2	1 - Left
Total Load Defi.	L/216 (0.752") 83.3%		2	1
Live Load Defl.	L/294 (0.553") 81.7%		2	1
Max Defl.	0.752" 75.2%		2	1
Span / Depth	17.6 n/a		0	1

Bear	ring Supports	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material	
BO	Post	3-1/2" x 3-1/2"	6427 lbs	n/a	70.0%	Unspecified	
B1	Post	3-1/2" x 3-1/2"	6427 lbs	n/a	70.0%	Unspecified	

Member is not fully supported at post B0. A connector is required at this bearing. Column at Bearing B0 analyzed for bearing only, column analysis has not been performed. Member is not fully supported at post B1. A connector is required at this bearing. Column at Bearing B1 analyzed for bearing only, column analysis has not been performed. For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.

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

Notes

Design meets Code minimum (L/180) Total load deflection criteria. Design meets Code minimum (L/240) Live load deflection criteria. Design meets arbitrary (1") Maximum load deflection criteria. Member Slope = 0, consider drainage.

Disclosure

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Single 11-7/8" AJS™ 25 MSR

Joist\J01

1 span | No cantilevers | 0/12 slope 16" OCS | Non-Repetitive | Glued & nailed construction Wednesday, October 17, 2007 11:56

Job Name: Address:

Build 91

City, State, Zip. **Customer:**

Code reports: **ESR-1144**

BC CALC® 9.5 Design Report - US

File Name:

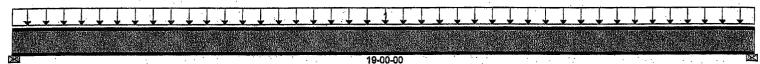
Description: J01

Specifier: Floor Joist Designer: KK

Company: KDK Design

Misc:

See 1st Floor Framing



LL 507 lbs DL 127 lbs

B1, 2-1/2" LL 507 lbs DL 127 lbs

Total Horizontal Product Length = 19-00-00

Load Summary					Live	Dead	Snow	Wind	Roof Live	,
Tag Description	Load Type	Ref.	Start	End .	100%	90%	115%	133%	125%	ocs
1 Standard Load	Unf. Area (psf)	Left	00-00-00	19-00-00	40	10				16"

Controls Summary	Value	% Allowable	Duration	Load Case	Span Location
Pos. Moment	2917 ft-lbs	46.8%	100%	<u> </u>	1 - Internal
End Reaction	619 lbs	48.9%	100%	. i	1 - Right
Total Load Defl.	L/646 (0.348")	37.2%		1	1
Live Load Defl.	L/807 (0.278")	- 59.5%	•	. 1	1 .
Max Defl.	0.348"	34.8%		1	1 '
Span / Depth	18.9	n/a		0	1
Danding Rumayta	Mary 11 - 140	Martinia	% Allow	% Allow	
Bearing Supports	Dim. (L x W)	Value	Support	Member	Material
BO Wall/Plate	2-1/2" x 3-1/2"	633 lbs	n/a	n/a	Unspecified
B1 Wall/Plate	2-1/2" x 3-1/2"	633 lbs	n/a	n/a	Unspecified

Notes

Design meets Code minimum (L/240) Total load deflection criteria. Design meets User specified (L/480) Live load deflection criteria. Design meets arbitrary (1") Maximum load deflection criteria. Composite EI value based on 23/32" thick sheathing glued and nailed to joist.

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