



Approved

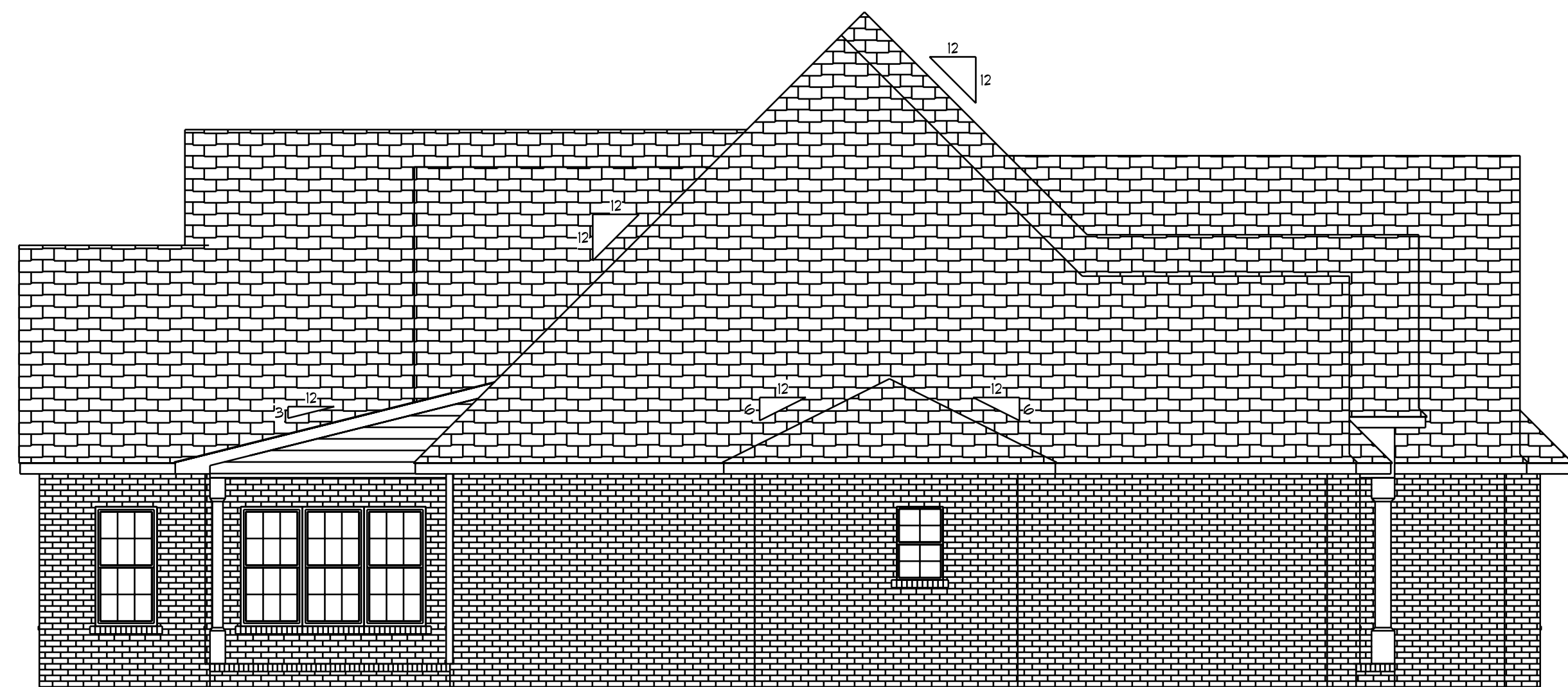
button 01/15/2019



Front Elevation
Scale: 1/4" = 1'0"



Rear Elevation
Scale: 3/16" = 1'0"



Left Elevation
Scale: 3/16" = 1'0"

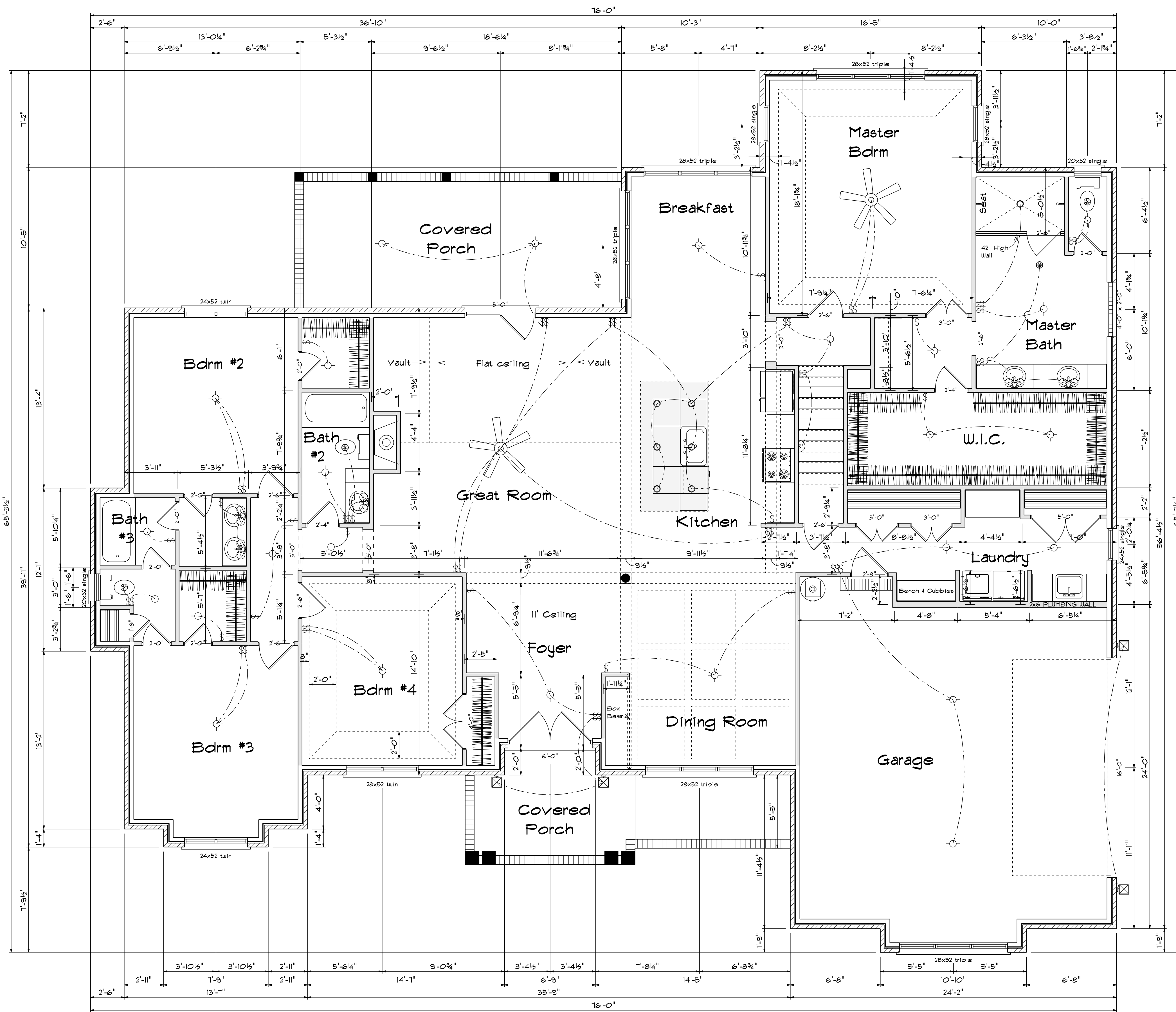


Right Elevation
Scale: 3/16" = 1'0"

DATE: Tuesday, January 8, 2019
REVISED
DRAWING*

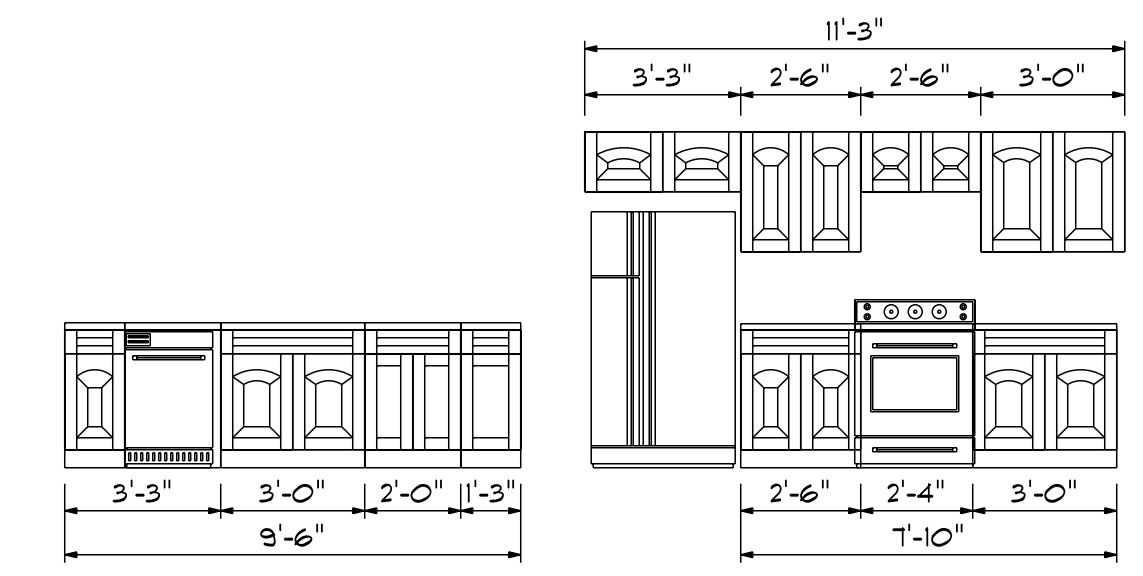
SCALE: 1/4"
DRAWN BY
APPROVED

The Pineywoodrooter



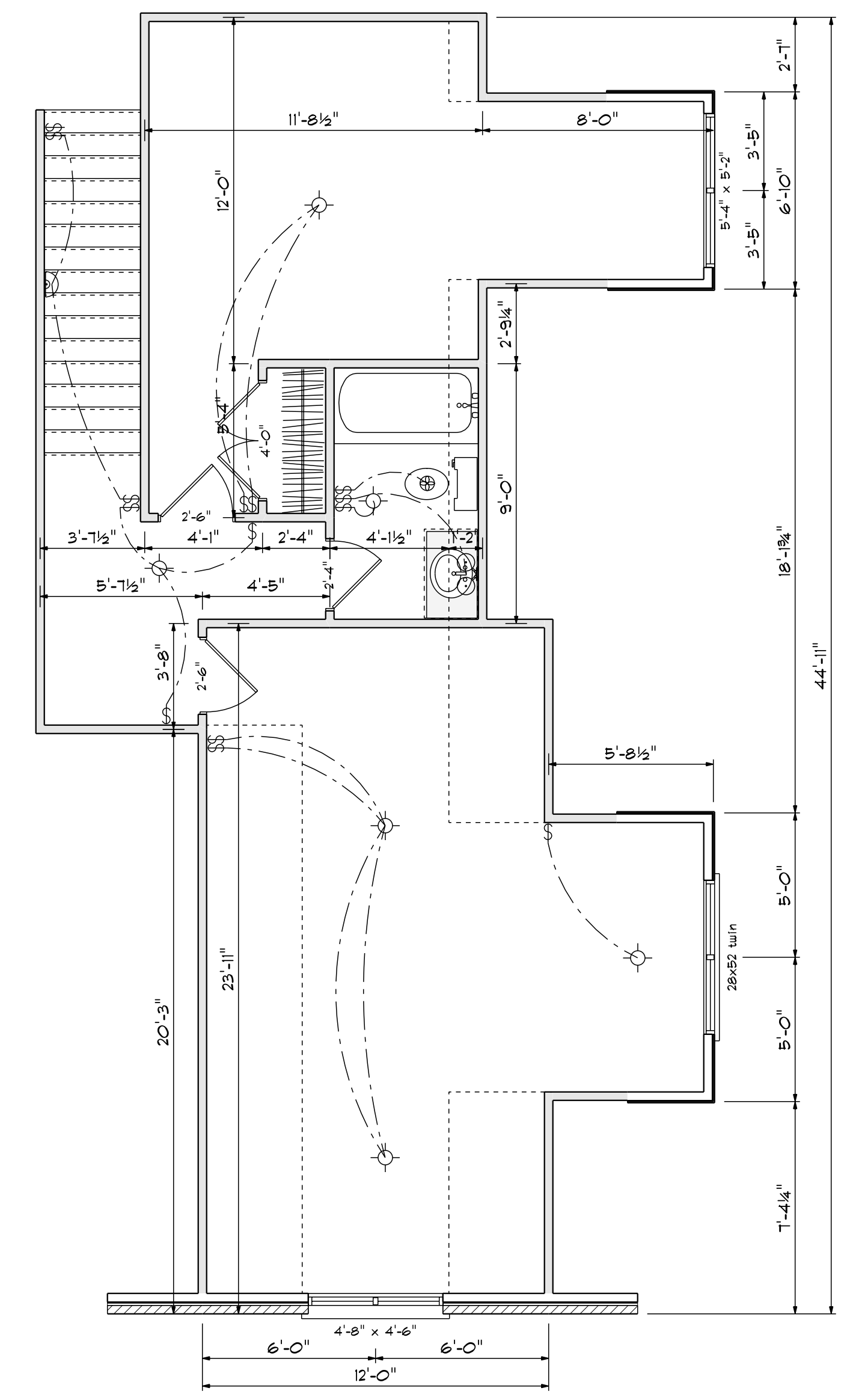
Floor Plan

Kitchen Cabinets



Areas

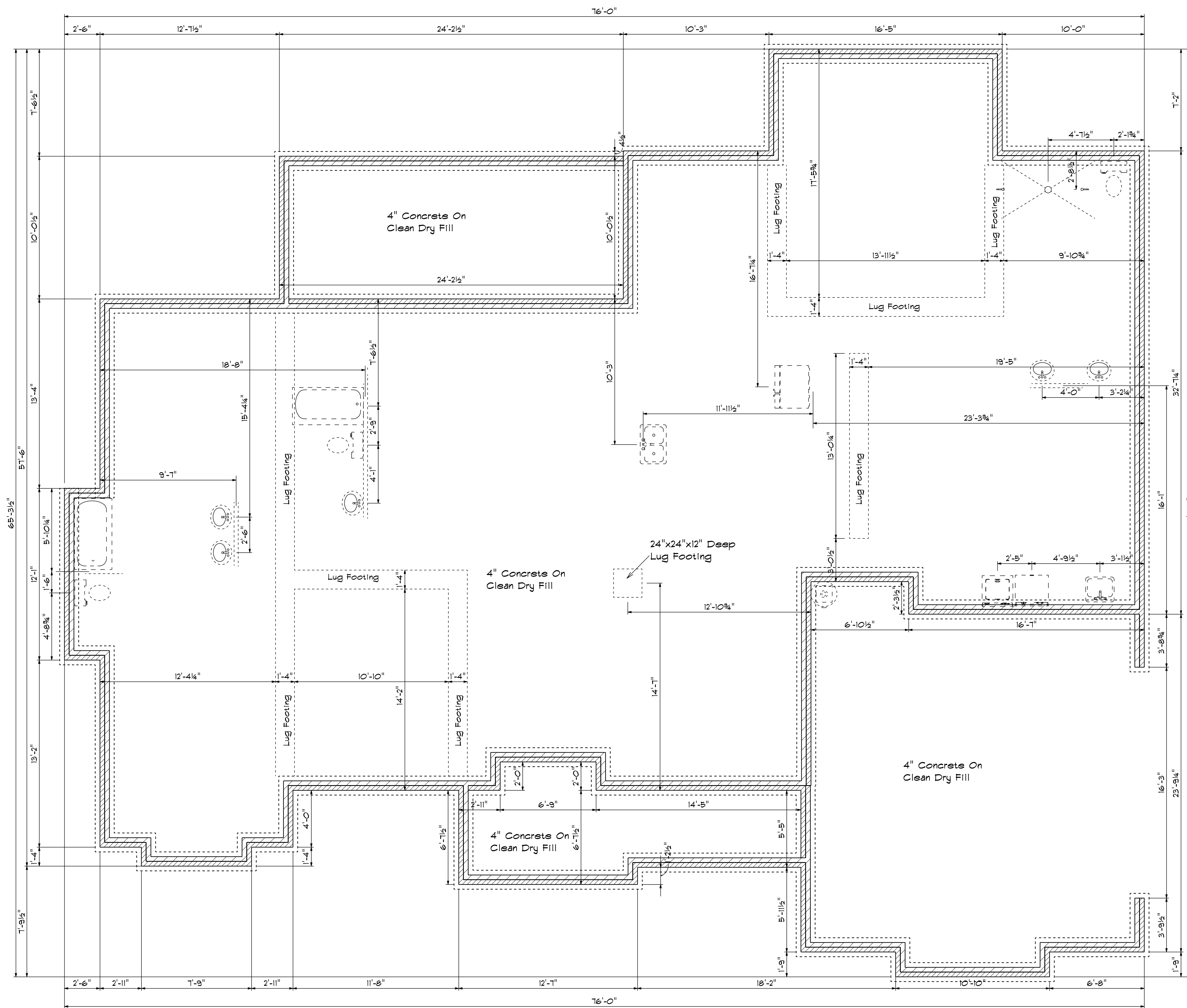
Main Floor	2758
Second Floor	651
Total Heated	3409
Garage	588
Front Porch	96
Rear Porch	255



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 REVISIONS
 DRAWN BY
 APPROVED

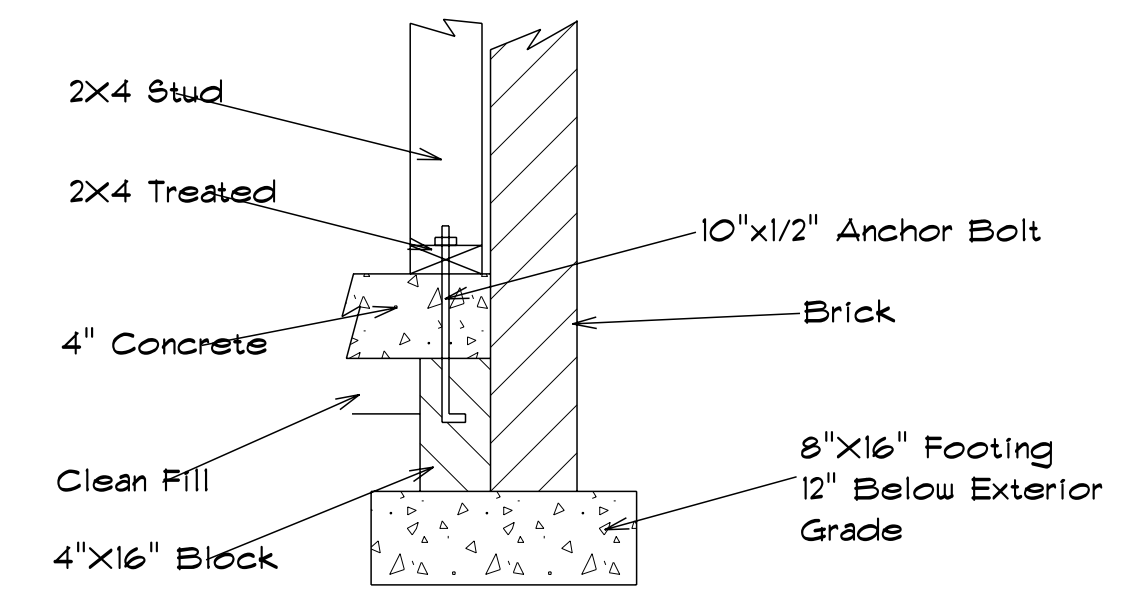
SCALE: 1/4"
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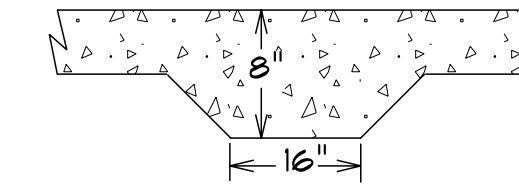


Foundation Plan

Foundation Detail Brick



Lug Footing Detail



DATE: Tuesday, January 8, 2019

REVISED

DRAWING*

SCALE: 1/4"

DRAWN BY

APPROVED

The Pineywoodrooter

DO NOT CUT, DRILL, NOTCH, OR OTHERWISE DAMAGE TRUSSES. Contact your SPS Representative for assistance PRIOR TO modifying any truss.

Espanol - NO CORTE, PERFORO, HAGA MUESCAD O DANE DE CUALQUIER OTRA MANERA LAS TRUSSAS (CERCHAS DE MADERA). Contacte a su representante de SPS para asistencia ANTES de realizar cualquier modificación.

1. This Truss Placement Diagram is intended to serve as a guide for truss installation. This Diagram has been prepared by a Truss Technician and is not an engineered drawing.

2. The responsibilities of the Owner, Building Designer, Contractor, Truss Designer, and Truss Manufacturer shall be as defined by the TPI 1 National Standard.

3. The wood components shown on this diagram are to be used in dry service (moderate humidity) and non-toxic environmental applications. The metal plates and hangers are galvanized to the G90 Standard unless noted otherwise.

4. Refer to the Truss Design Drawings for specific information about each individual truss design.

5. The Truss Technician shall provide Truss-to-Truss Connection Requirements. Any special or other connection shall be the responsibility of the Building Designer.

6. The Truss Placement Diagram and Truss Design Drawings are the property of Builders FirstSource and may not be reused or reproduced in part or in total under any circumstances without prior written authorization.

7. In some cases, field framing may be required to achieve the final appearance shown on the Construction Documents.

8. Field framing, including valley rafters, installed over roof trusses shall have a knee brace from the rafter to the truss top chord at intervals of 40' or center (O.C.) or less. Sagger knee braces from adjacent rafters such that the load is distributed uniformly over multiple truss locations and not concentrated at one location or along one truss.

9. Truss Top Chords shall be fully sheathed or have lateral bracing (struts) spaced at 20' O.C. or less. Truss Bottom Chord Bracing shall not exceed the maximum shown on the Truss Design Drawing. Field Braced bottom chord floor or ceiling attachments shall be spaced at 20' O.C. or less. Proper Bracing prevents buckling of individual truss members due to design loads.

10. This Placement Diagram is based upon the supporting structure being structurally adequate. Dimensionally correct, square, plumb, and level to adequately support the trusses. The foundation design, structural member sizing, load transfer, bearing conditions, and the structural compliance with the applicable building code are the responsibility of the Owner, Building Designer, and Contractor.

11. If Pigeonhole Trusses are included in this project, refer to the Metal Pigeonhole Connection Detail applicable for the project details and wind load category.

12. The Contractor shall follow the SCSA TTB Partition Separation Prevention and Solutions for truss attachment to non-load bearing walls and carefully complete these details to avoid gypsum wall board related issues.

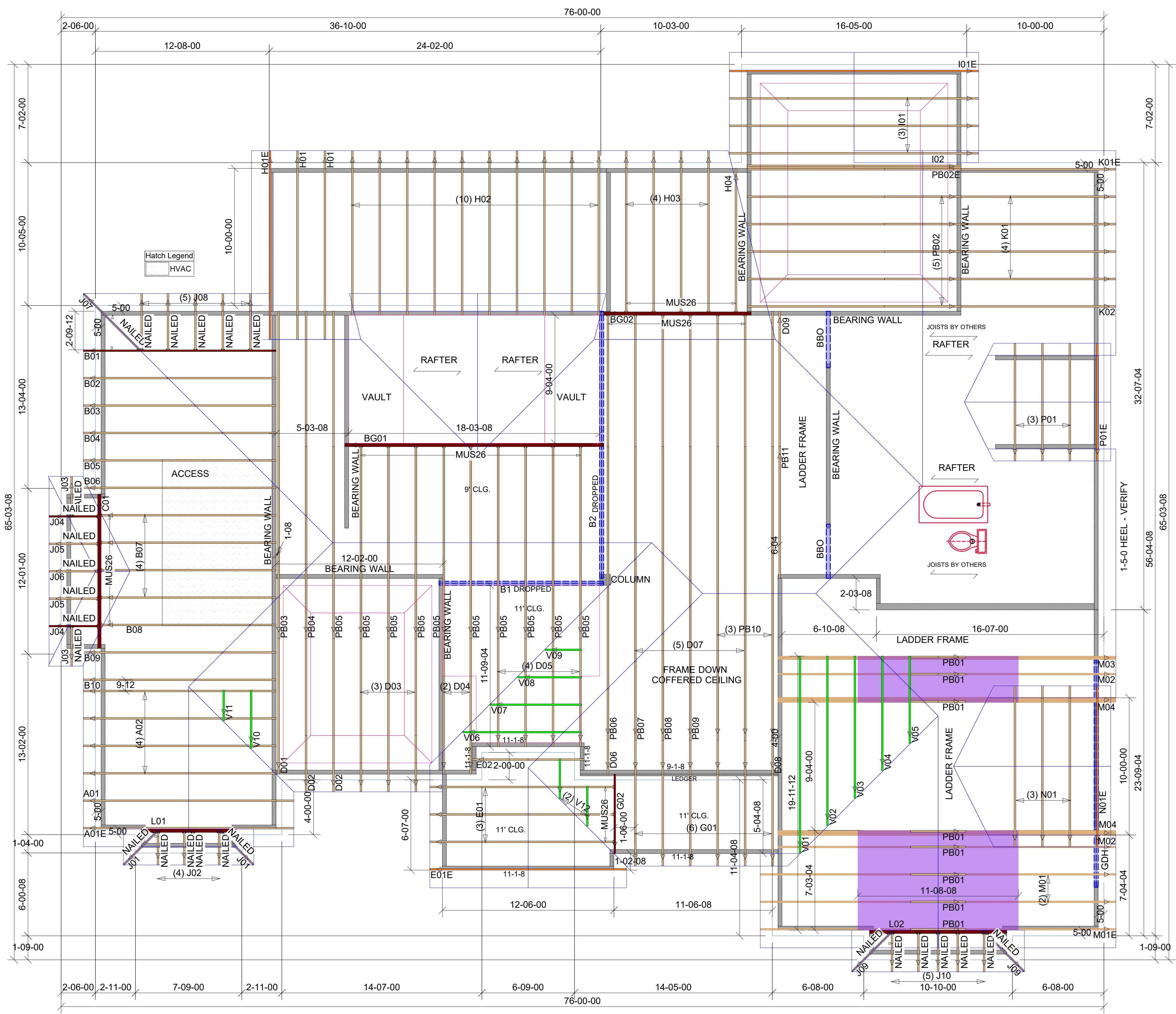
WARNING:
TRUSSES MUST BE BRACED DURING INSTALLATION. FAILURE TO DO SO MAY RESULT IN INJURY OR DEATH.

Espanol - (TRUSSAS) DEBERAN TENER UN SOPORTE DURANTE LA INSTALACION. NO HACERLO PODRIA RESULTAR EN LESIONES O MUERTE!

1. Trusses shall be installed in a safe manner meeting all code, local, OSHA, TPI, and SCSA Specifications. Failure to follow these specifications may result in injury or death.

2. Buildings under construction are vulnerable to high winds and present a possible safety hazard. The Contractor is responsible for recognizing adverse weather conditions and shall take appropriate action to prevent injury or death.

3. **BCR INSTRUCTIONS SHALL BE FOLLOWED:**
BCR-81 = Safe Truss Handling and Installation
BCR-82 = Installation and Temporary Restraint
BCR-83 = Permanent Restraint
BCR-84 = Safe Construction Loading
BCR-85 = Truss Damage and Modification Guidelines
BCR-87 = Floor Truss Installation
BCR-88 = Toe-Nailed Connections
BCR-89 = Maturity Cycles
BCR-91 = Post Frame Truss Installation
BCR-93 = Fall Protection
4. Follow TPI Requirements for Long Span Trusses (LST).



Hatch Legend

[Hatched Box]	HVAC
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Products					
PlotID	Length	Product		Plies	Net Qty
B1	12-00-00	1-3/4" x 11-7/8" VERSA-LAM® 2.0 3100 SP		2	2
B2	20-00-00	1-3/4" x 16" VERSA-LAM® 2.0 3100 SP		2	2
GDH	18-00-00	1-3/4" x 18" VERSA-LAM® 2.0 3100 SP		2	2

Truss Connector Total List		
Manuf	Product	Qty
Simpson	MUS26	28
Non-Proprietary	NAILED	46

TOTAL ROOF AREA
5680.89 SQ FT

1/4" = 1'

Until this building is completely erected in accordance with plans, the trusses may be unstable and present a safety hazard. Truss instability may increase with building width, height, and length. Buildings under construction shall be braced in accordance with applicable building codes and standards. Truss design and construction shall be in accordance with applicable building codes and standards. Truss design and construction shall be in accordance with applicable building codes and standards. Truss design and construction shall be in accordance with applicable building codes and standards.

Builders FirstSource
Albemarle, NC

Customer Name: STURIZ HOMIES
Subdivision: LEIGH LAUREL
Leif: 23
Plan Name: PINEWOODROOTER
File Name: 1625532

Revisions:

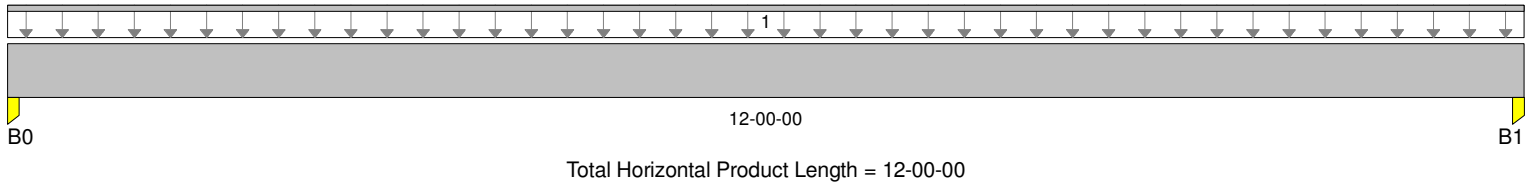
1625532	1625532
Drawn By: STG	DATE: 12/29/2018
Page Number	1 of 1

Dry | 1 span | No cantilevers | 0/12 slope

December 29, 2018 17:59:45

 BC CALC® Design Report 

 Build 6536
 Job Name: 23 LEIGH LAUREL
 Address: 221 WILLOWCROFT CT.
 City, State, Zip: DUNN, NC
 Customer: STURTZ HOMES
 Code reports: ESR-1040

 File Name: 1625532 BC CALC Project.bcc
 Description: Designs\B1
 Specifier:
 Designer: SCOTT GUTSHALL
 Company: BUILDERS FIRSTSOURCE
 Misc:


Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live				
B0, 3-1/2"		1,662 / 0	1,590 / 0						
B1, 3-1/2"		1,662 / 0	1,590 / 0						
				Live	Dead	Snow	Wind	Roof Live	Trib.

Load Summary

Tag	Description	Load Type	Ref. Start	End	100%	90%	115%	160%	125%	
1	ROOF LOAD	Unf. Lin. (lb/ft)	L 00-00-00	12-00-00		265	265			n/a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	9,026 ft-lbs	36.9%	115%	4	06-00-00
End Shear	2,558 lbs	28.2%	115%	4	01-03-06
Total Load Defl.	L/625 (0.222")	38.4%	n/a	4	06-00-00
Live Load Defl.	L/999 (0.108")	n/a	n/a	5	06-00-00
Max Defl.	0.222"	22.2%	n/a	4	06-00-00
Span / Depth	11.7	n/a	n/a	0	00-00-00

Bearing Supports

	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material
B0 Post	3-1/2" x 3-1/2"	3,252 lbs	36.6%	35.4%	Spruce Pine Fir
B1 Post	3-1/2" x 3-1/2"	3,252 lbs	36.6%	35.4%	Spruce Pine Fir

Cautions

For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.
 For roof members with slope (1/2)/12 or less final design must account for Rain-on-Snow surcharge load.

Notes

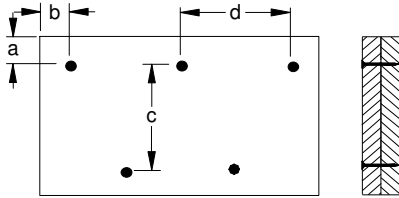
Design meets User specified (L/240) Total load deflection criteria.
 Design meets User specified (L/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum Total load deflection criteria.
 Calculations assume member is fully braced.
 BC CALC® analysis is based on IBC 2009.
 Design based on Dry Service Condition.

BC CALC® Design Report 

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Code reports: ESR-1040

File Name: 1625532 BC CALC Project.bcc
Description: Designs\B1
Specifier:
Designer: SCOTT GUTSHALL
Company: BUILDERS FIRSTSOURCE
Misc:

Connection Diagram



a minimum = 2" c = 7-7/8"
b minimum = 3" d = 24"

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

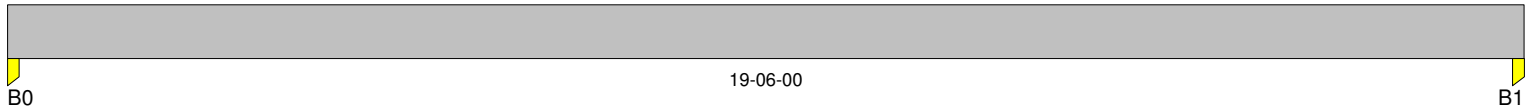
Disclosure

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 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®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.

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 Code reports: ESR-1040

File Name: 1625532 BC CALC Project.bcc
 Description: Designs\B2
 Specifier:
 Designer: SCOTT GUTSHALL
 Company: BUILDERS FIRSTSOURCE
 Misc:



Total Horizontal Product Length = 19-06-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B0, 3-1/2"		1,174 / 0	1,016 / 0		
B1, 3-1/2"		2,120 / 0	1,962 / 0		

Load Summary

Tag	Description	Load Type	Ref.	Start	End	100%	90%	115%	160%	125%	Trib.
1	BG01 GIRDER	Conc. Pt. (lbs)	L	09-08-12	09-08-12		1,145	1,145			n/a
2	RAFTER FRAMING	Unf. Area (lb/ft^2)	L	09-10-04	19-06-00		20	20			09-06-00

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	20,043 ft-lbs	46.6%	115%	4	09-08-12
End Shear	3,437 lbs	28.1%	115%	4	17-10-08
Total Load Defl.	L/466 (0.49")	51.5%	n/a	4	10-01-10
Live Load Defl.	L/972 (0.235")	37%	n/a	5	10-01-10
Max Defl.	0.49"	49%	n/a	4	10-01-10
Span / Depth	14.3	n/a	n/a	0	00-00-00

Bearing Supports

	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material	
B0	Post	3-1/2" x 3-1/2"	2,190 lbs	24.7%	23.8%	Spruce Pine Fir
B1	Post	3-1/2" x 3-1/2"	4,081 lbs	46%	44.4%	Spruce Pine Fir

Cautions

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

Notes

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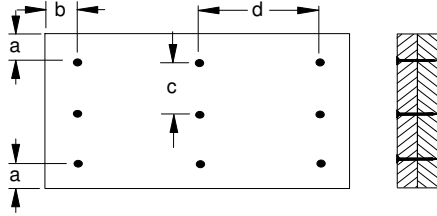
BC CALC® Design Report



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Customer: STURTZ HOMES
Code reports: ESR-1040

File Name: 1625532 BC CALC Project.bcc
Description: Designs\B2
Specifier:
Designer: SCOTT GUTSHALL
Company: BUILDERS FIRSTSOURCE
Misc:

Connection Diagram



a minimum = 2" c = 6"
b minimum = 3" d = 24"

Connection design assumes point load is top-loaded. For connection design of side-loaded point loads, please consult a technical representative or professional of Record.

Member has no side loads.

Connectors are: 16d Sinker Nails

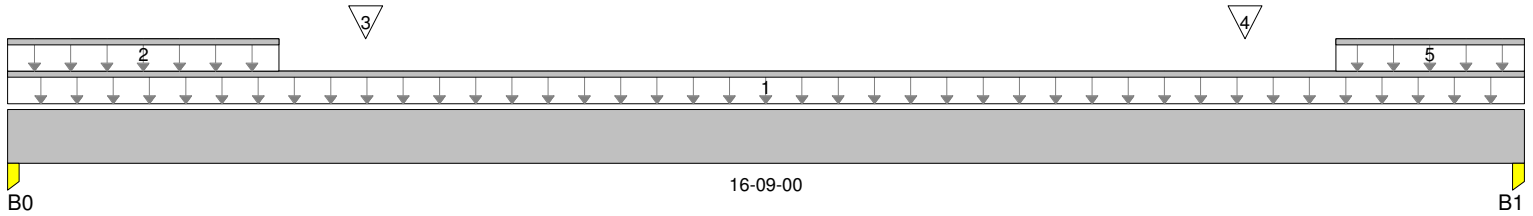
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 Code reports: ESR-1040

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 Description: Designs\GDH
 Specifier:
 Designer: SCOTT GUTSHALL
 Company: BUILDERS FIRSTSOURCE
 Misc:



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B0, 4-1/2"		4,104 / 0	3,281 / 0		
B1, 4-1/2"		4,108 / 0	3,285 / 0		

Load Summary

Tag	Description	Load Type	Ref.	Start	End	100%	90%	115%	160%	125%	Trib.
1	BRICK	Unf. Lin. (lb/ft)	L	00-00-00	16-09-00	80					n/a
2	ATTIC LOAD	Unf. Lin. (lb/ft)	L	00-00-00	03-00-00	375		375			n/a
3	ATTIC GIRDER	Conc. Pt. (lbs)	L	03-11-08	03-11-08	2,330		2,330			n/a
4	ATTIC GIRDER	Conc. Pt. (lbs)	L	13-08-00	13-08-00	2,330		2,330			n/a
5	ATTIC LOAD	Unf. Lin. (lb/ft)	L	14-08-00	16-09-00	375		375			n/a

Controls Summary


	Value	% Allowable	Duration	Case	Location
Pos. Moment	20,700 ft-lbs	38.6%	115%	1	04-10-07
End Shear	5,802 lbs	42.2%	115%	1	14-10-08
Total Load Defl.	L/627 (0.309")	57.4%	n/a	1	08-02-08
Live Load Defl.	L/1,462 (0.132")	32.8%	n/a	2	08-02-08
Max Defl.	0.309"	30.9%	n/a	1	08-02-08
Span / Depth	10.7	n/a	n/a	0	00-00-00

Bearing Supports

	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material
B0 Post	4-1/2" x 3-1/2"	7,385 lbs	64.7%	62.5%	Spruce Pine Fir
B1 Post	4-1/2" x 3-1/2"	7,393 lbs	64.7%	62.6%	Spruce Pine Fir

Notes

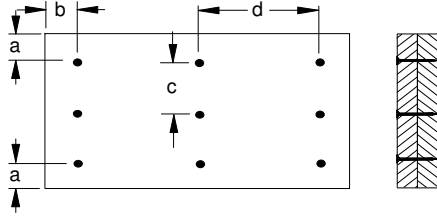
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 Design meets User specified (L/480) Live load deflection criteria.
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Designer: SCOTT GUTSHALL
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Misc:

Connection Diagram



a minimum = 2" c = 7"
b minimum = 3" d = 24"

Connection design assumes point load is top-loaded. For connection design of side-loaded point loads, please consult a technical representative or professional of Record.

Member has no side loads.

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