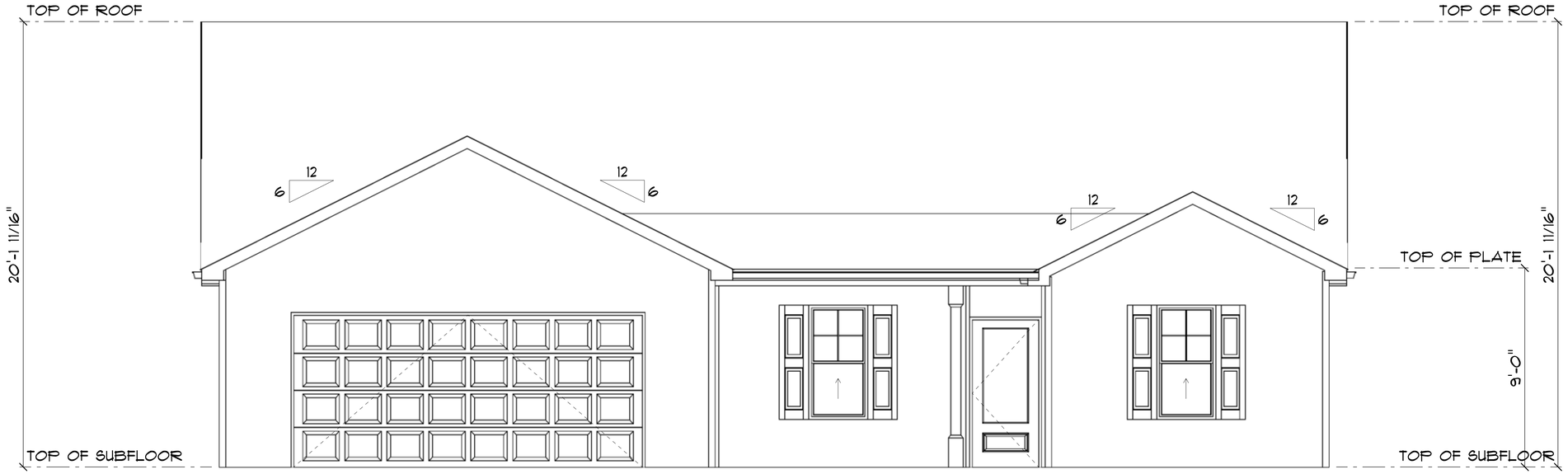


FRONT ELEVATION

SCALE: 3/8" = 1'-0"

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

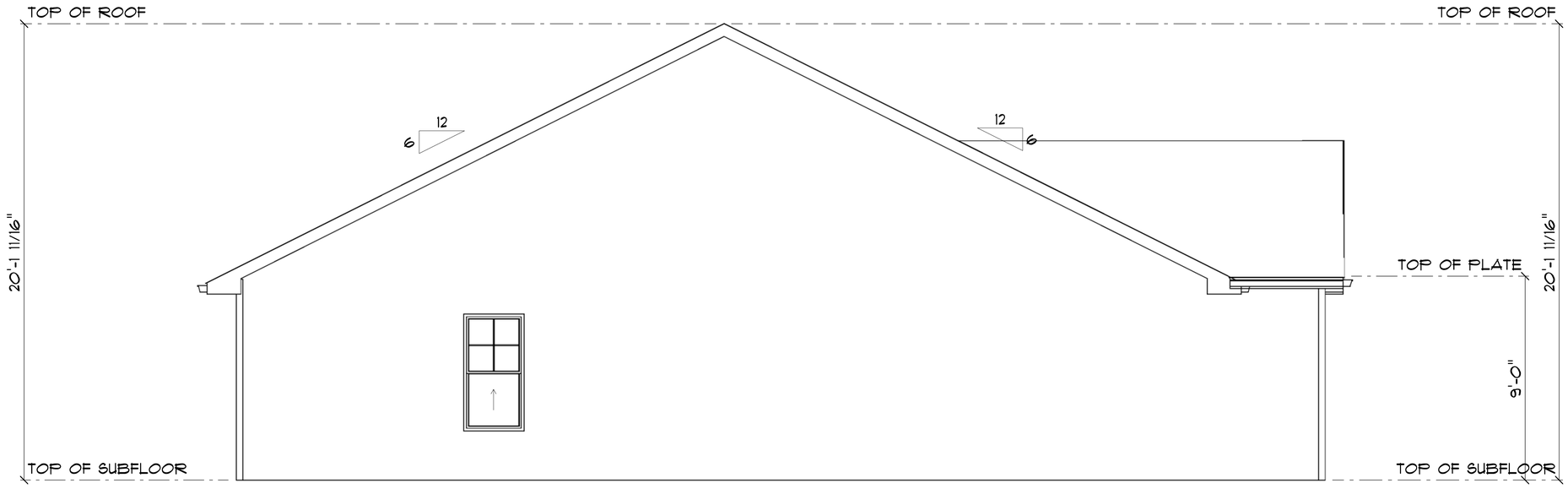
APPROVED
Limited building only review
Permit holder responsible for full compliance with the code

08/13/2024

Harnett COUNTY NORTH CAROLINA

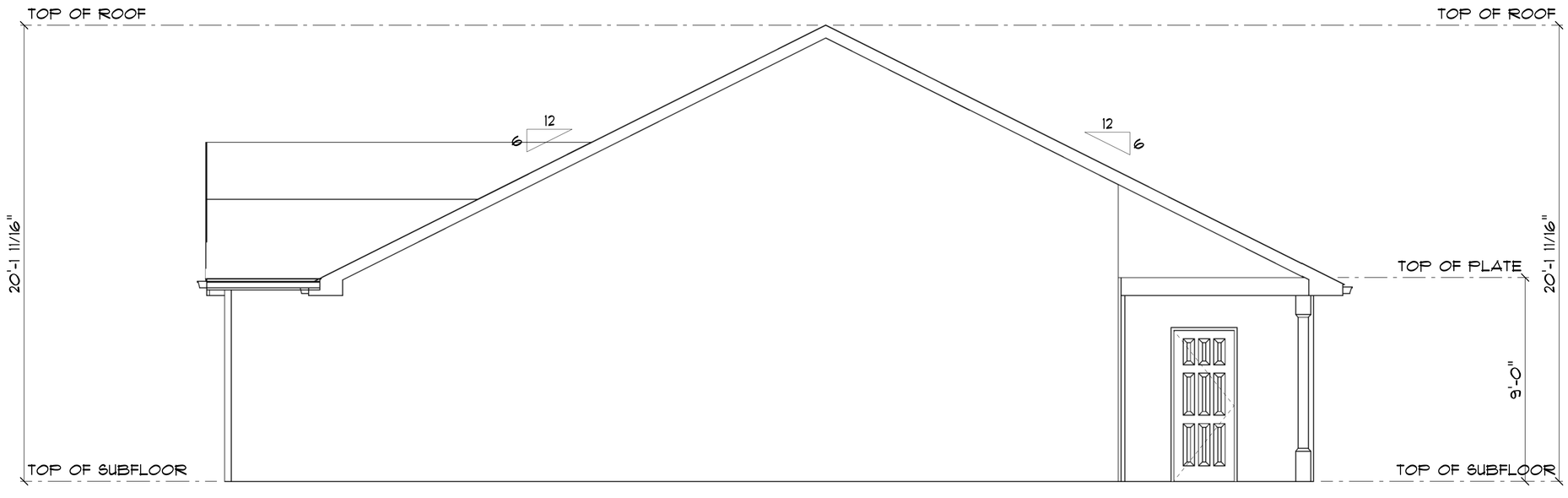
REAR ELEVATION

SCALE: 3/8" = 1'-0"



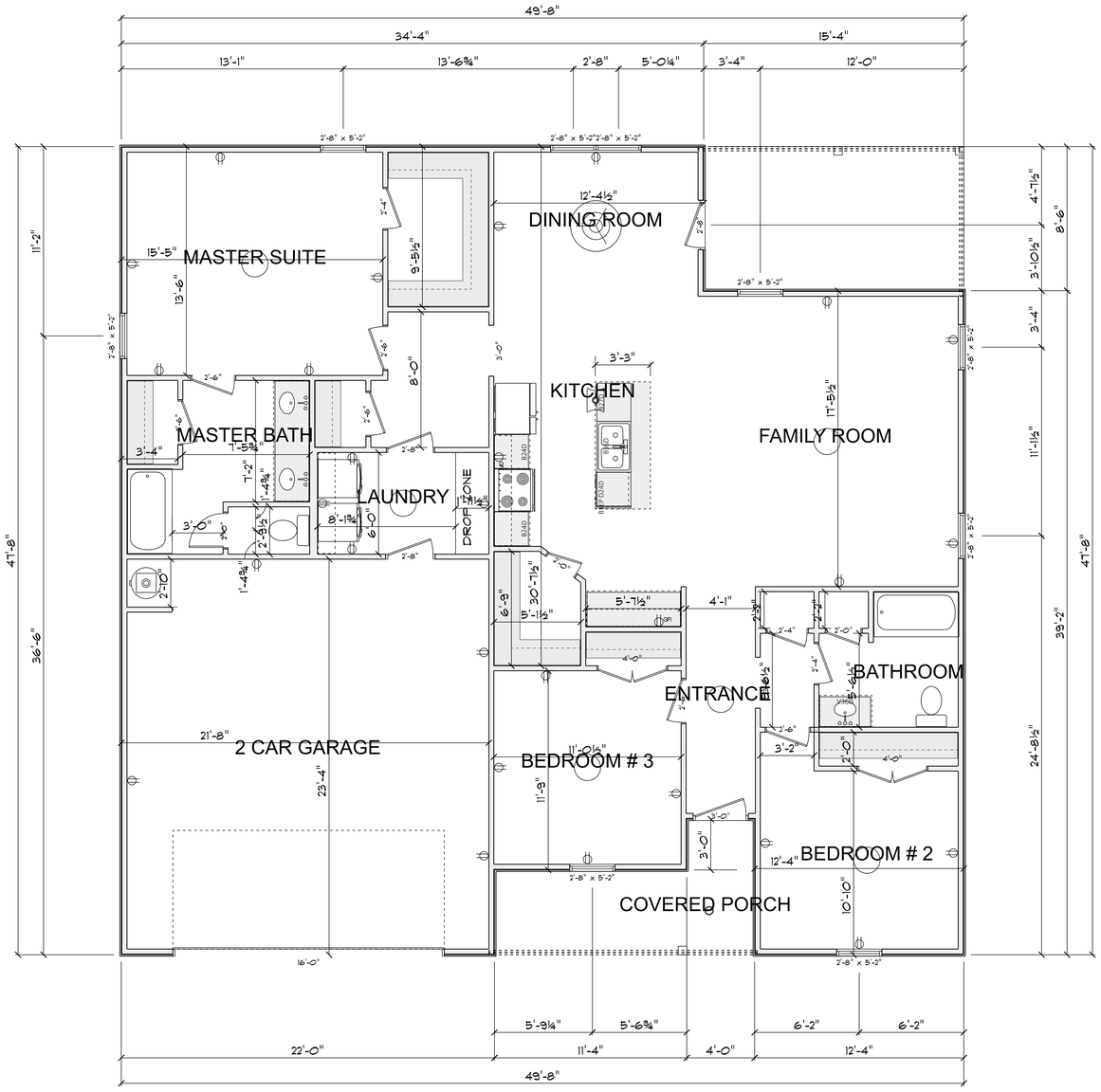
LEFT ELEVATION

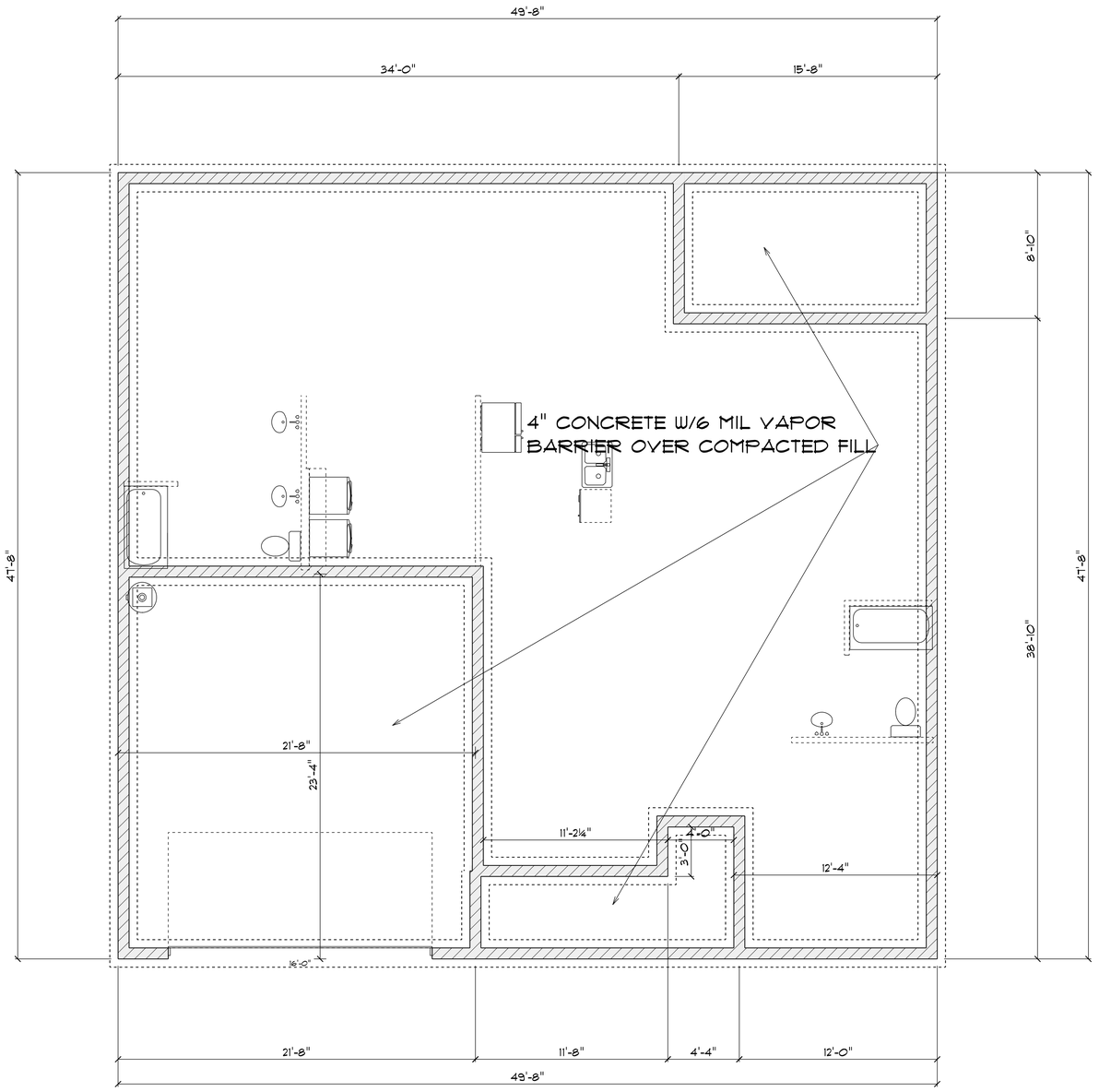
SCALE: 3/8" = 1'-0"



RIGHT ELEVATION

SCALE: 3/8" = 1'-0"

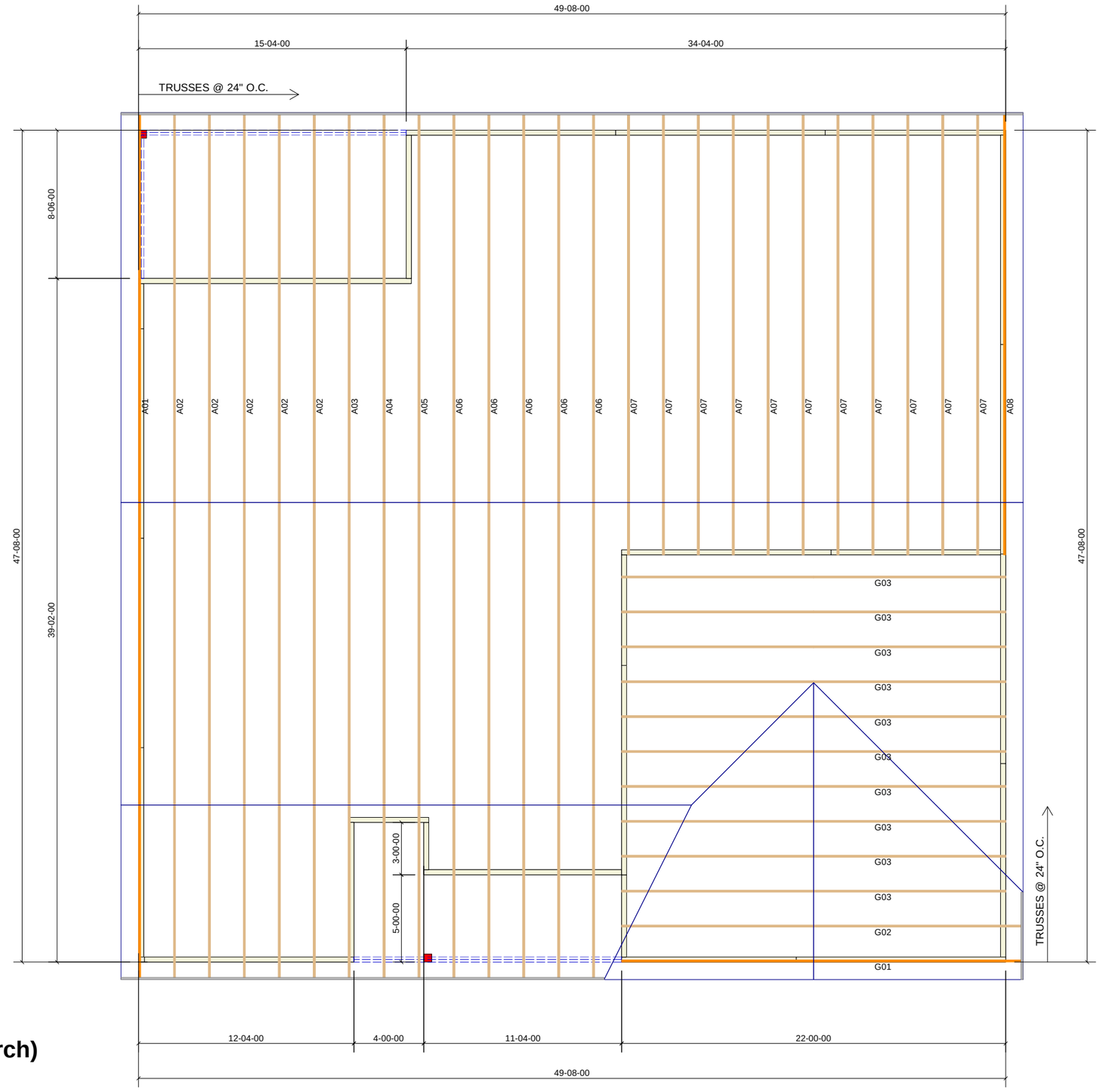




HEATED	1656
GARAGE	525
FRONT PORCH	101
REAR PORCH	139

MAIN FLOOR
SCALE: 1/4" = 1'-0"

STEM WALL SLAB
SCALE: 1/4" = 1'-0"



NOTES

Pitch: 6/12 (Main), 3/12 (Porch)
Overhang: 1' (Finished)

ROOF TRUSS NOTES:

DO NOT CUT, DRILL, NOTCH, OR OTHERWISE DAMAGE TRUSSES. Contact your BFS Representative for assistance PRIOR TO modifying any truss. *Espanol - (NO CORTE, PERFORE, HAGA MUESCAS O DANE DE CUALQUIER OTRA MANERA LAS TRUSSES (CERCHAS DE MADERA). Contacte a su representante de BFS para asistencia ANTES de realizar cualquier modification.)*

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 (moisture content<19%) and non-toxic environmental applications. The metal plates and hangers are galvanized to the G60 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 48" on center (O.C.) or less. Stagger 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 (purlins) spaced at 24" O.C. or less. Truss Bottom Chord Bracing shall not exceed the maximum shown on the Truss Design Drawing. Field framed bottom chord floor or ceiling attachments shall be spaced at 24" 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 structure's compliance with the applicable building code are the responsibility of the Owner, Building Designer, and Contractor.

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

12. The Contractor shall follow the SBCA 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*** *- (TRUSSES (CERCHAS) 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 BCSI 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. **BCSI INSTRUCTIONS SHALL BE FOLLOWED:**
BCSI-B1 = Safe Truss Handling and Installation
BCSI-B2 = Installation and Temporary Restraint
BCSI-B3 = Permanent Restraint
BCSI-B4 = Safe Construction Loading
BCSI-B5 = Truss Damage and Modification Guidelines
BCSI-B7 = Floor Truss Installation
BCSI-B8 = Toe-Nailed Connections
BCSI-B9 = Multi-Ply Girders
BCSI-B10 = Post Frame Truss Installation
BCSI-B11 = Fall Protection

4. Follow TPI Requirements for Long Span Trusses (>60').

REVISIONS	
1	X
2	X
3	X
4	X

Carolina Construction
The Austin
4955 Ray Rd
Spring Lake, NC
ROOF LAYOUT

SUMTER,SC TRUSS PLANT
PHONE: 803-778-1921

COWPENS, SC TRUSS PLANT
PHONE: 864-381-6255

Builders FirstSource

DESIGNER
RB

DATE
JULY 2024

JOB NUMBER
4111091

SHEET NUMBER
1 OF 1

Double 1-3/4" x 11-7/8" VERSA-LAM® LVL 2.1E 3100 SP

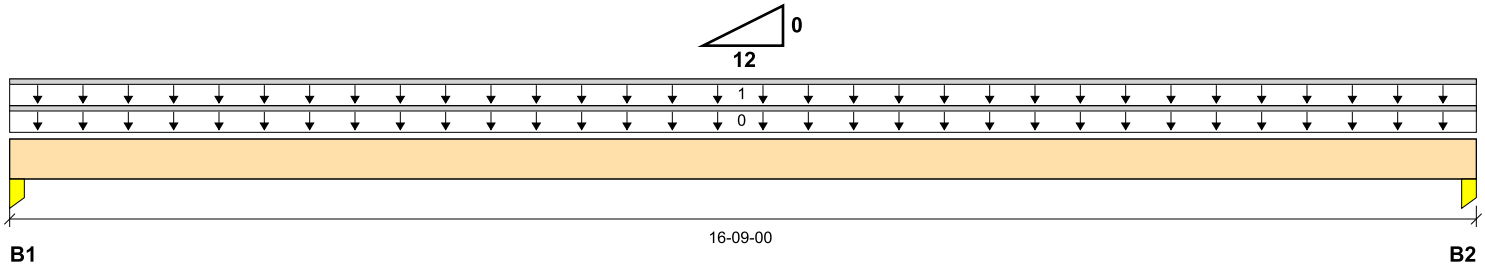
PASSED

GARAGE DOOR HEADER (Roof Wall Header)

BC CALC® Member Report — Dry | 1 span | No cant. — July 31, 2024 08:41:49

Build 8892

Job name:	AUSTIN-GARAGE DOOR HEADER	File name:	
Address:	4955 RAY RD	Description:	
City, State, Zip:	SPRING LAKE, NC, 28390	Specifier:	JESSE MARSHALL
Customer:	CAROLINA CONSTRUCTION	Designer:	Vernon Schmidt
Code reports:	ESR-1040	Company:	Builders FirstSource



Total Horizontal Product Length = 16-09-00

Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3-1/2"		813 / 0	712 / 0		
B2, 3-1/2"		813 / 0	712 / 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	16-09-00	Top		12				00-00-00
1	TRUSS G01	Unf. Lin. (lb/ft)	L	00-00-00	16-09-00	Top		85	85			n\a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	6039 ft-lbs	24.7%	115%	4	08-04-08
End Shear	1291 lbs	14.2%	115%	4	01-03-06
Total Load Deflection	L/658 (0.297")	27.4%	n\a	4	08-04-08
Live Load Deflection	L/1408 (0.139")	17.0%	n\a	5	08-04-08
Max Defl.	0.297"	29.7%	n\a	4	08-04-08
Span / Depth	16.5				

Bearing Supports

		Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Column	3-1/2" x 3-1/2"	1525 lbs	15.1%	16.6%	Southern Pine
B2	Column	3-1/2" x 3-1/2"	1525 lbs	15.1%	16.6%	Southern Pine

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 Code minimum (L/180) Total load deflection criteria.

Design meets Code minimum (L/240) Live load deflection criteria.

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

Design based on Dry Service Condition.

BC CALC® analysis is based on IBC 2009.

Calculations assume member is fully braced.

Double 1-3/4" x 11-7/8" VERSA-LAM® LVL 2.1E 3100 SP

PASSED

GARAGE DOOR HEADER (Roof Wall Header)

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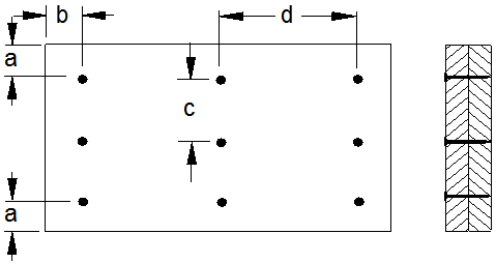
Customer:	CAROLINA CONSTRUCTION	Designer:	Vernon Schmidt
Code reports:	ESR-1040	Company:	Builders FirstSource

Connection Diagram: Full Length of Member



a minimum = 2" c = 4"
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® ,