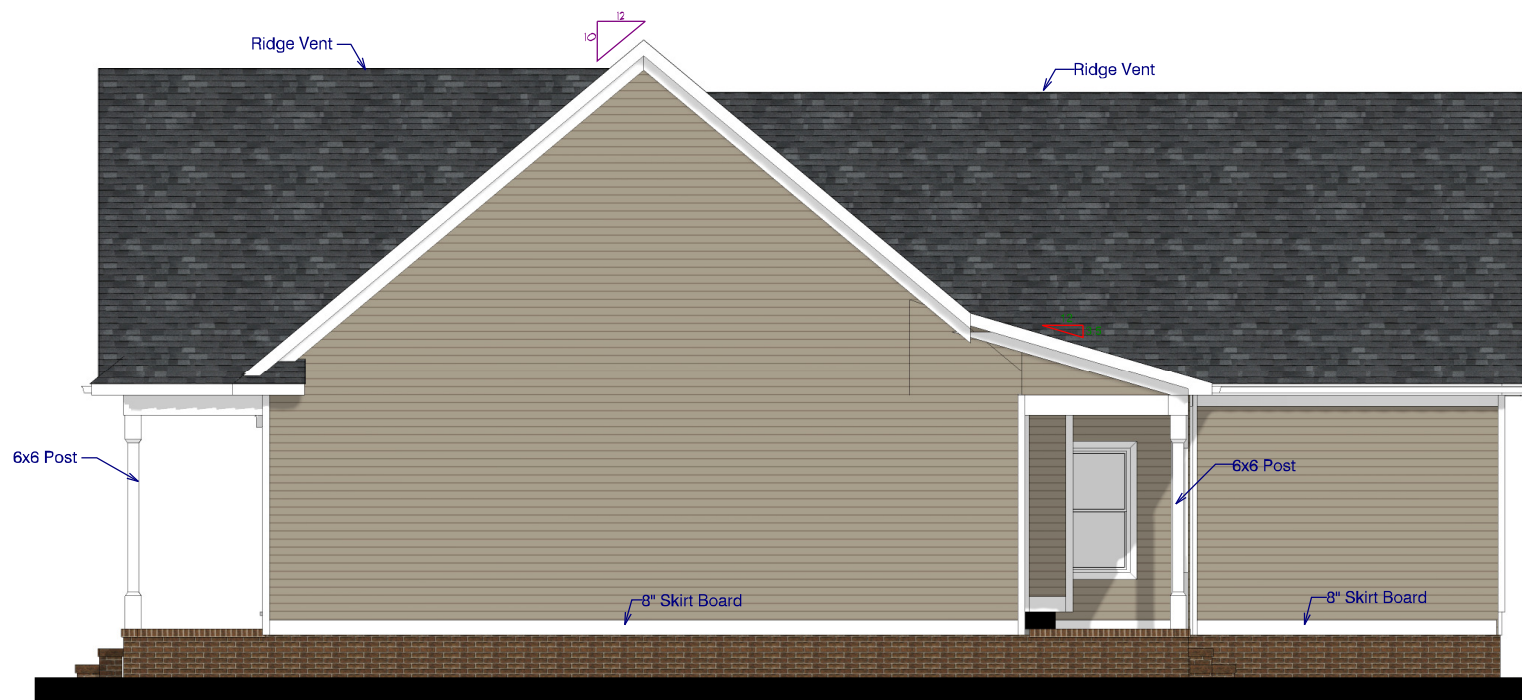




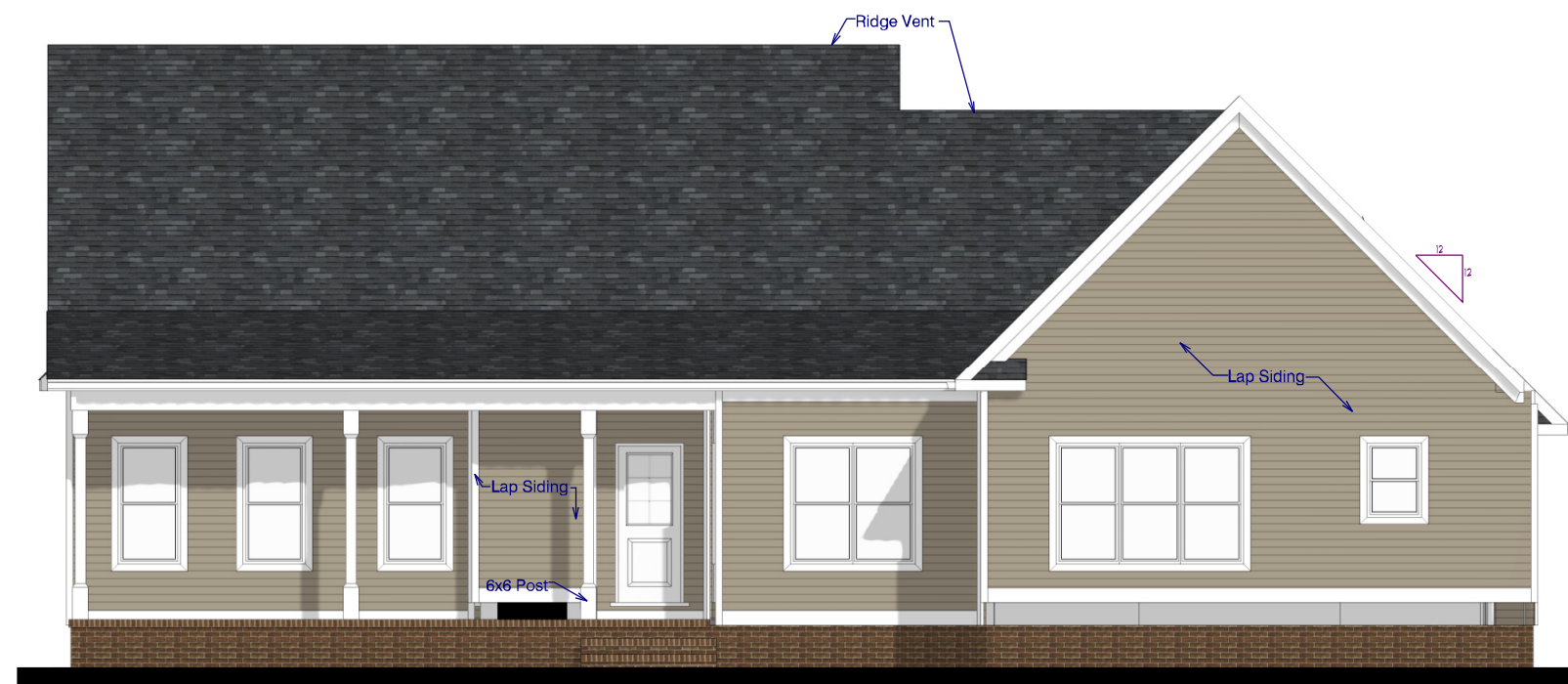
**Front Elevation**  
Scale: 1/4" = 1'0"



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



**Right Elevation**  
Scale: 1/8" = 1'0"



**Rear Elevation**  
Scale: 1/8" = 1'0"

The Information in These Construction Documents is for the Exclusive Use of the Client in Construction of the Building and is to be used in accordance with the Building Documents. The Client shall be responsible for obtaining all necessary permits and for compliance with all applicable laws, codes, and regulations. The Client shall observe and become aware of any field or other conditions that may affect the project or non-conformance with the design. The Designer shall not be held responsible for any errors or omissions in the drawings or for any consequences that may result from the use of these documents. The Client shall be held harmless by the Designer from all errors and omissions in the drawings or for any consequences that may result from the use of these documents. Related Work as Represented by the Designer to the Client.

6'-9 1/2"  
14'-8"  
23'-9 1/2"  
Win./Dr Header Ht: 9'-1 1/2"  
Wall Plate Ht.

APPROVED BY	DATE



MEMBER  
**A I B D**  
AMERICAN INSTITUTE OF BUILDING DESIGN

**Frazier Designs**  
A Residential Design Company  
(910) 818-9413  
www.frazierplans.com

**NOTICE TO CONTRACTOR**  
All construction shall 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.

09/24/2024

**HARNETT COUNTY**  
NORTH CAROLINA

"I DO HEREBY CERTIFY THAT THIS DRAWING OR PLAN AND RELATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS AND ARE IN SUBSTANTIAL CONFORMITY WITH BOTH S4H AND VA MINIMUM PROPERTY REQUIREMENTS INCLUDING THE INTERNATIONAL BUILDING CODE COUNCIL (2018 NC BUILDING CODE) ENERGY CONSERVATION STANDARDS OF THE 2018 COUNCIL OF AMERICAN BUILDING OFFICIALS MODEL ENERGY CODE AND THE REQUIREMENT FOR LEAD-FREE PIPING."

Project: Hazelwood Plan Left Garage Side  
MODEL: FD-2176  
BUILDER: GMC Construction

DATE PRINTED: July 2024  
DRAWN BY: ATF

Elevations  
**SHEET**  
1

# Plans Designed to the 2018 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE

CLIMATE ZONE	ZONE 3	ZONE 4	ZONE 5
FENESTRATION U-FACTOR	0.35	0.35	0.35
SKYLIGHT U-FACTOR	0.55	0.55	0.55
GLAZED FENESTRATION SHGC	0.30	0.30	NR
CEILING R-VALUE	38	38	38
WALL R-VALUE	15	15	19
FLOOR R-VALUE	19	19	30
*BASEMENT WALL R-VALUE	5/13	10/15	10/15
**SLAB R-VALUE	0	10	10
* CRAWLSPACE WALL R-VALUE	5/13	10/15	10/19

\* "10/15" Means R-10 Sheathing Insulation or R-15 Cavity Insulation  
 \*\* Insulation Depth with Monolithic Slab 18" or From Inspection Gap to bottom of Footing; Insulation Depth with Stem Wall Slab 24" or to bottom of Foundation Wall

DESIGNED FOR WIND SPEED OF 120 MPH

DESIGN PRESSURES FOR DOORS AND WINDOWS POSITIVE AND NEGATIVE IN PSF			
		MEAN ROOF HEIGHT (FT)	
VELOCITY (MPH)	15	25	35
115	15	17	19
120	20	23	25

ASSUMED MEAN ROOF HEIGHT 14' 4 1/2"

## Roof Truss Requirements

### TRUSS DESIGN.

Trusses, if used, to be designed and engineered in accordance with these drawings. Any variation with these drawings must be brought to Frazier Designs attention before construction begins.

### KNEE WALL AND CEILING HEIGHTS.

All Finished knee wall heights and ceiling heights are shown furred down 10" from roof decking for insulation. If for any reason the truss manufacturer fails to meet or exceed designated heel heights, finished knee wall heights, or finished ceiling heights shown on these drawings the finished square footage may vary. Any discrepancy must be brought to Frazier Designs Attention, so that a suitable solution can be reached before construction begins. Any variation due to these conditions not being met is the responsibility of the truss manufacturer.

### ANCHORAGE.

All required anchors for trusses due to uplift or bearing shall meet the requirements as specified on the truss schematics. Anchorage in the 120 and 130 MPH Wind Zones shall be Continuous from the Roof to the footing.

### Bearing.

All trusses shall be designed for bearing on SPF # 2 Plates or Ledgers unless noted otherwise.

### Plate Heights and Floor Systems.

See Elevation page(s) for plate heights and floor system thicknesses.

## ROOF VENTILATION

### Section R806

#### R806.1 Ventilation required.

Enclosed Attics and enclosed rafter spaces formed where ceilings are applied directly to the underside of the roof rafters shall have a cross ventilation for each separate space by ventilating openings protected against the entrance of rain or snow. Ventilation openings shall have a least dimension of 1/16 inch (1.6mm) minimum and 1/4 inch (6.4 mm) maximum. Ventilation openings having a least dimension larger than 1/4" inch (6.4mm) shall be provided with corrosion-resistant wire cloth screening, hardware cloth, or similar material with openings having a least dimension of 1/16 insh(1.6mm) minimum and 1/4 inch (6.4mm) maximum. Openings in roof framing members shall conform to the requirements of Section R802.7.

#### R806.2 Minimum Area.

The Total net free ventilating area shall not be less than 1/150 of the area of the space ventilated except that reduction of the total area to 1/300 is permitted provided that at least 50 percent and not more than 80 percent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated at least 3 feet (914mm) above the eave or cornice vents with the balance of the required ventilation provided by eave or cornice vents. As an alternative, the net free cross-ventilation area may be reduced to 1/300 when a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling.

#### Exceptions:

1. Enclosed attic/rafter spaces requiring less than 1 square foot (0.0929 m2) of ventilation may be vented with continuous soffit ventilation only.
2. Enclosed attic/rafter spaces over unconditioned space may be vented with continuous soffit vent only.

*Square footage of roof to be vented = 4746 Sq. Ft.*

*Net-Free Cross Ventilation Needed:*

*Without 50% to 80% of Venting 3'0" above Eave= 31.64 Sq.Ft.*

*With 50% to 80% of Venting 3'0" above eave; or with Class I or II Vapor Retarder on Warm-In-Winter Side of Ceiling: 15.82 Sq.Ft.*

## STRUCTURAL NOTES

All construction shall conform to the latest requirements of the 2018 North Carolina Residential Building Code, plus all local codes and regulations. This document in no way shall be construed to supercede the code.

### Job Site Practices And Safety:

Frazier Designs assumes no liability for contractor's practices and procedures or safety program. Frazier Designs takes no responsibility for the contractor's failure to carry out the construction work in accordance with the contract documents. All members shall be framed, anchored, and braced in accordance with good construction practice and the building code.

Design Loads	Live Load	Dead Load	Deflection
USE	(PSF)	(PSF)	(LL)
Attics without storage	10	10	L/240
Attics with Limited storage	20	10	L/360
Attics with fixed stairs	40	10	L/360
Balconies and Decks	40	10	L/360
Fire Escapes	40	10	L/360
Guardrails and Handrails	200	--	--
Guardrail in-fill components	50	--	--
Passenger vehicle garages	50	10	L/360
Rooms other than sleeping	40	10	L/360
Sleeping rooms	30	10	L/360
Stairs	40	--	L/360
Snow	20	--	--

### Framing Lumber:

All non treated framing lumber shall be SPF # 2 (Fb=875 PSI) or SYP # 2 (Fb= 750 PSI) and all treated lumber shall be SYP # 2 (Fb= 750 PSI) unless noted otherwise.

### Engineered Wood Beams:

Laminated veneer lumber (LVL) = Fb= 2600 PSI, Fv=285 PSI, E=1.9x106 PSI  
 Parallel strand lumber (PSL) = Fb= 2900 PSI, Fv= 290 PSI, E= 2.0x106 PSI  
 Laminated Strand Lumber (LSL) = Fb= 2250 PSI, Fv= 400 PSI, E = 1.55 x 106 PSI  
 Install All connections per Manufacturers Instructions

### Truss And I-Joist Members:

All Roof Truss and I-Joist Layouts shall be prepared in accordance with this document. Trusses and I-Joists shall be installed according to the Manufacturers specifications. Any Change in Truss or I-Joist Layout shall be coordinated with Frazier Designs.

### Lintels:

Brick Lintels Shall be 3 1/2" x 3 1/2" x 1/4" Steel angle for up to 6'0" Span and 6" x 4" x 5/16" Steel angle with 6" leg vertical for spans up to 9'0" unless noted otherwise.

### Concrete and Soils:

See Foundation Notes.

## Foundation Structural Notes

120 MPH wind zone (1 1/2 to 2 1/2 story)

### Continuous Footing:

24" wide and 10" thick minimum. 28" wide minimum at brick veneer. Must extend 2" Min. to either side of supported wall.


### Girders:

(2) 2x8 girder unless noted otherwise.

### Piers:

8" x 16" piers with 8" solid masonry cap on 16" x 24" x 10" concrete footing with maximum pier height of 64" with hollow masonry and 160" with solid masonry unless otherwise noted.

### Point Loads:

 designates significant point load and should have solid blocking to pier, girder or foundation wall.

### Anchor Bolts:

1/2" diameter anchor bolts embedded minimum 7" maximum 4'0" on center, within 12" of plate ends, and minimum two anchor bolts per plate.

### Concrete:

Concrete shall have a minimum 28 day strength of 3000 psi and maximum 5" slump. Air entrained in Table 402.2. All concrete shall be in accordance with ACI standards. All samples for pumping shall be taken from the exit end of the pump.

### Lug Footings:

Lug Footings shall be 2'0" wide x 1'0" depth and shall run continuously underneath any wall that is deemed to be load bearing. See Detail for specs.

### Soils:

Allowable soil bearing pressure assumed to be 2000 PSF. The Contractor must contact a geotechnical engineer and a structural engineer if unsatisfactory subsurface conditions are encountered. The surface area adjacent to be foundation wall shall be provided with adequate drainage, and shall be graded so as to drain surface water away from foundation walls.

## AIR LEAKAGE

### Section N1102.4

#### N1102.4.1 Building Thermal Envelope.

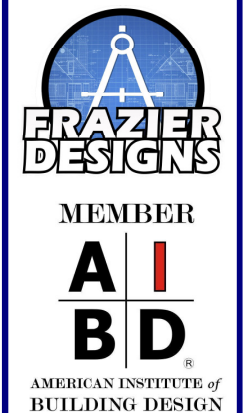
The Building Thermal Envelope shall be durably sealed with an Air Barrier System to limit infiltration. The sealing methods between dissimilar materials shall allow for differential expansion and contraction. For all homes, where present, the following shall be caulked, gasketed, weatherstripped or otherwise sealed with an air barrier material or solid material consistent with Appendix E-2.4 of this code:

1. Blocking and sealing floor/ceiling systems and under knee walls open to unconditioned or exterior space.
2. Capping and sealing shafts or chases, including flue shafts.
3. Capping and sealing soffit or dropped ceiling areas.

"I DO HEREBY CERTIFY THAT THIS DRAWING OR PLAN AND RELATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS AND ARE IN SUBSTANTIAL CONFORMITY WITH BOTH SAH AND VA MINIMUM PROPERTY REQUIREMENTS INCLUDING THE INTERNATIONAL BUILDING CODE COUNCIL (2018 NC RESIDENTIAL BUILDING CODE), ENERGY CONSERVATION STANDARDS OF THE 2018 COUNCIL OF AMERICAN BUILDING OFFICIALS, MODEL ENERGY CODE AND THE REQUIREMENT FOR LEAD-FREE PIPING."

The Information on These Construction Documents is for the Exclusive Use of the Client in Construction of the Building. Frazier Designs is not responsible for the Accuracy and Reliability of the Information on These Documents of the Building. Upon the Client's observation or discovery of any error or omission, the Client shall notify Frazier Designs immediately. Frazier Designs shall not be responsible for the Client's failure to do so. Frazier Designs shall not be responsible for the Client's failure to do so. Frazier Designs shall not be responsible for the Client's failure to do so. Frazier Designs shall not be responsible for the Client's failure to do so.

APPROVED BY	DATE



**Frazier Designs**  
 A Residential Design Company  
 (910) 818-9413  
 www.frazierplans.com

Project: Hazelwood Plan Left Garage Side  
 MODEL: FD-2152  
 BUILDER: GMC Construction

DATE PRINTED:  
 May, 2024  
 DRAWN BY:  
 ATF

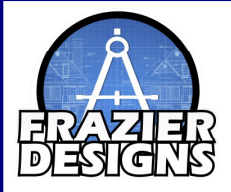
## Notes

### SHEET

"I DO HEREBY CERTIFY THAT THIS DRAWING OR PLAN AND RELATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS AND ARE IN SUBSTANTIAL CONFORMITY WITH BOTH SAH AND VA MINIMUM PROPERTY REQUIREMENTS INCLUDING THE INTERNATIONAL BUILDING CODE COUNCIL (2018 NC BUILDING CODE), ENERGY CONSERVATION STANDARDS OF THE 2018 COUNCIL OF AMERICAN BUILDING OFFICIALS, MODEL ENERGY CODE AND THE REQUIREMENT FOR LEAD-FREE PIPING."

The information in these Construction Documents is for the Exclusive Use of the Client in Construction of the Building and is not to be used for any other purpose. Frazier Designs shall not be held responsible for any errors or omissions in the documents or for any consequences that may result from the use of the documents. The Client shall be responsible for obtaining all necessary permits and for complying with all applicable laws and regulations. The Client shall be responsible for the accuracy of the information provided to Frazier Designs. Frazier Designs shall not be held responsible for any errors or omissions in the documents or for any consequences that may result from the use of the documents. The Client shall be responsible for obtaining all necessary permits and for complying with all applicable laws and regulations. The Client shall be responsible for the accuracy of the information provided to Frazier Designs.

APPROVED BY	DATE



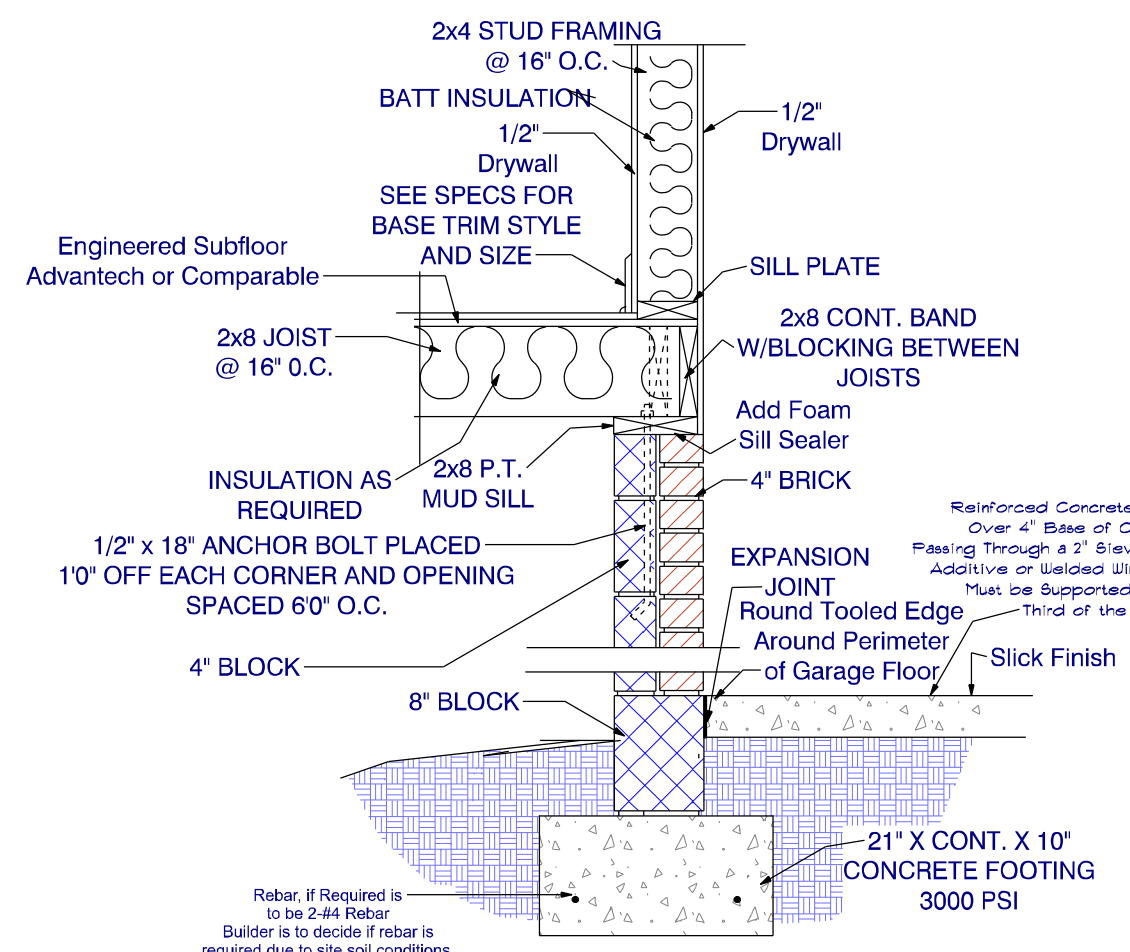
MEMBER  
**A I B D**  
AMERICAN INSTITUTE OF BUILDING DESIGN

**Frazier Designs**  
A Residential Design Company  
(910) 818-2413  
www.frazierplans.com

Project: Hazelwood Plan Left Garage Side  
MODEL: FD-2152  
BUILDER: GMC Construction

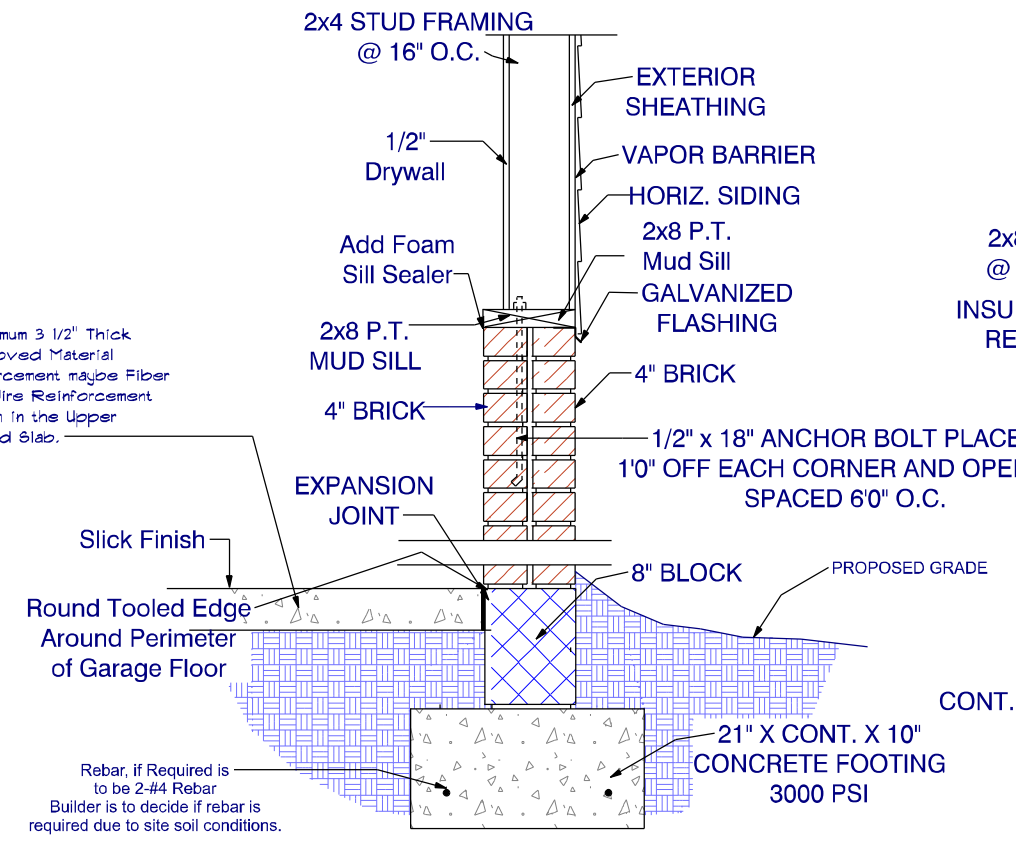
DATE PRINTED: May, 2024  
DRAWN BY: ATF

**Details**  
SHEET  
3



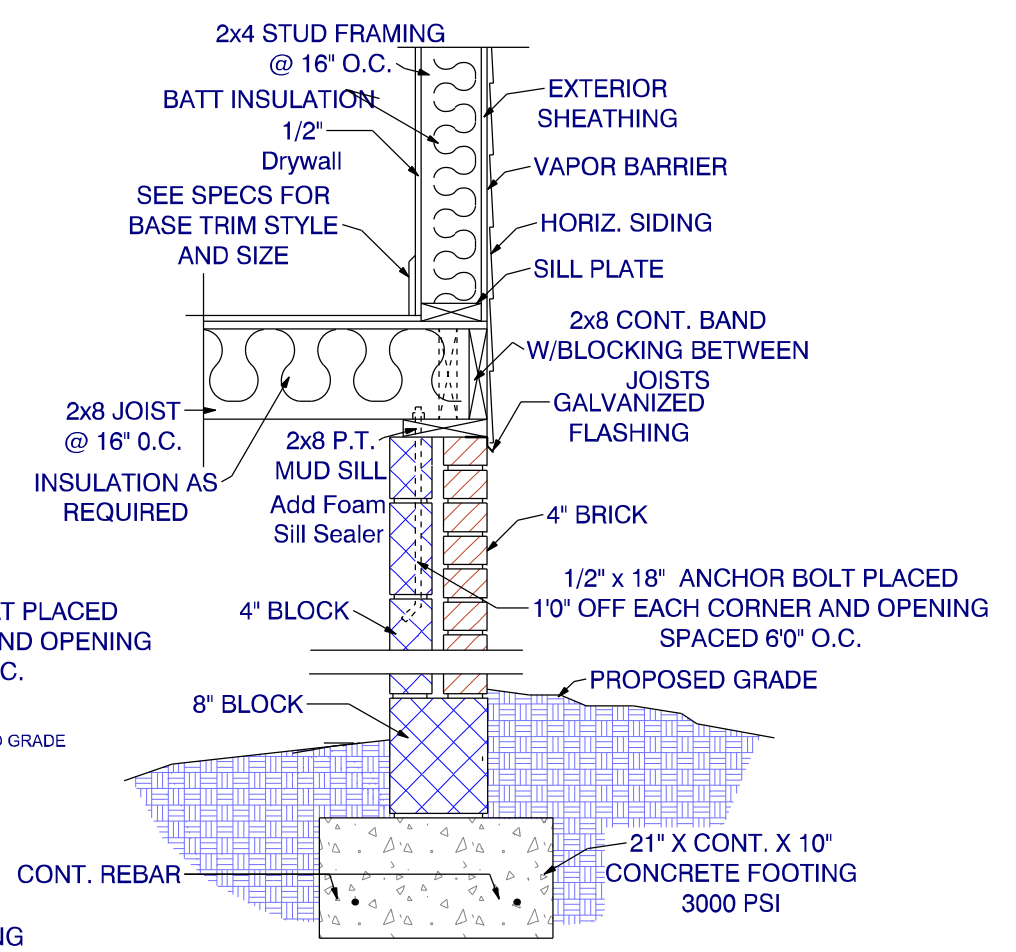
**Wall Detail Between Heated Space & Garage**

Not to Scale  
Use Grout Stop to ensure Full embedding of Anchor bolt.



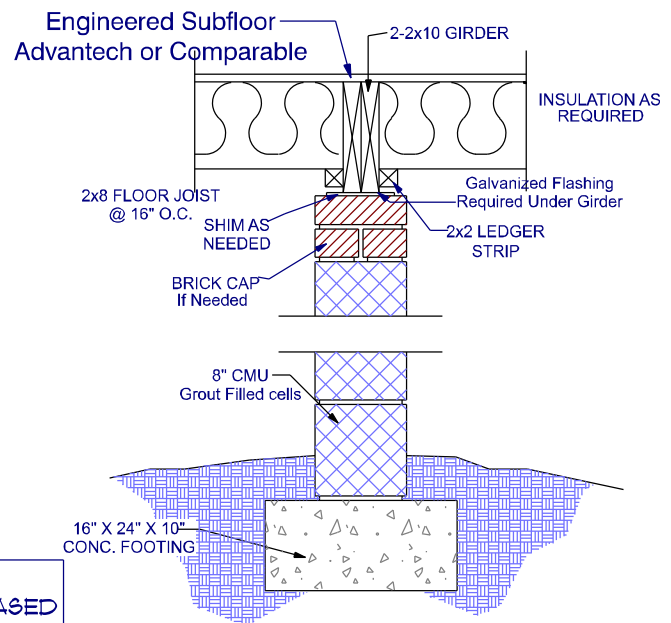
**Exterior Wall Detail Siding - Garage Exterior**

Not to Scale  
Use Grout Stop to ensure Full embedding of Anchor bolt.



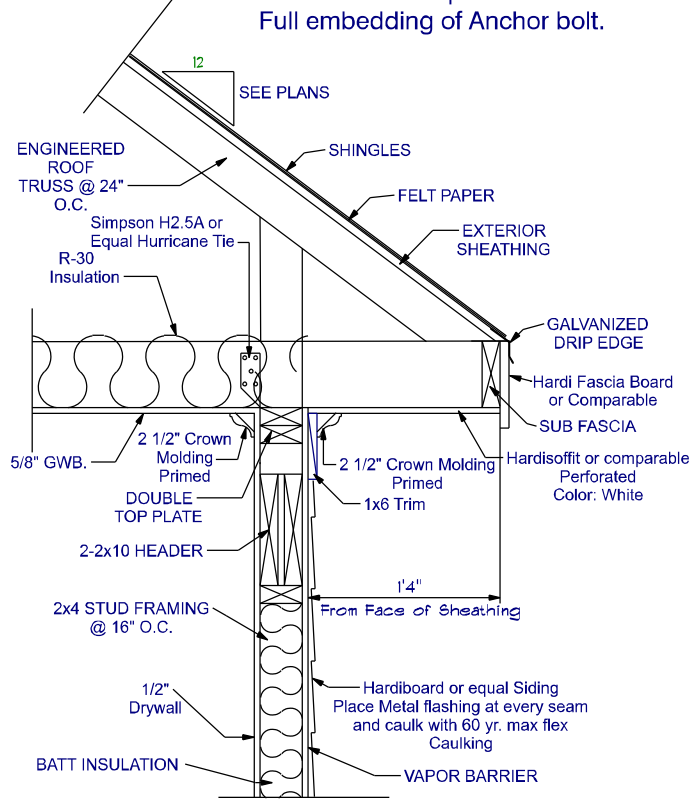
**Exterior Wall Detail Siding - 4" Brick/4" Block**

Not to Scale  
Use Grout Stop to ensure Full embedding of Anchor bolt.



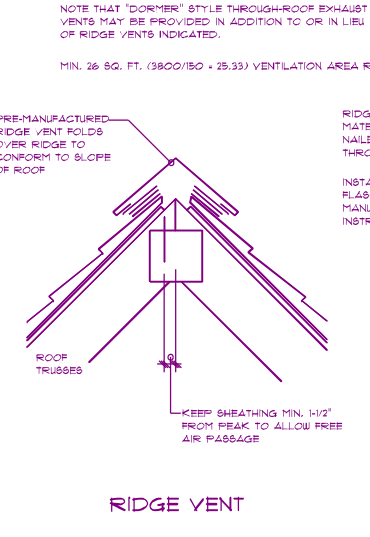
**2-2X10 Girder 8X16 Pier**

Not to Scale

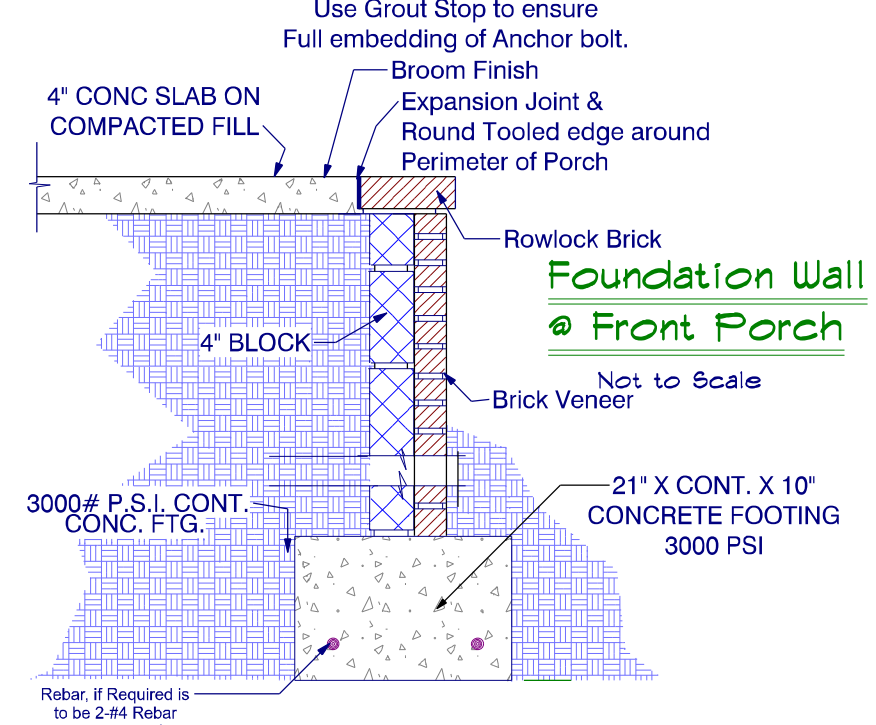


**Overhang Detail - Siding**

Not to Scale  
\*\*If Roof is to be Stick Built, See Structural Engineers Details for Specifications\*\*



**ROOF JACKS AND VENTS**

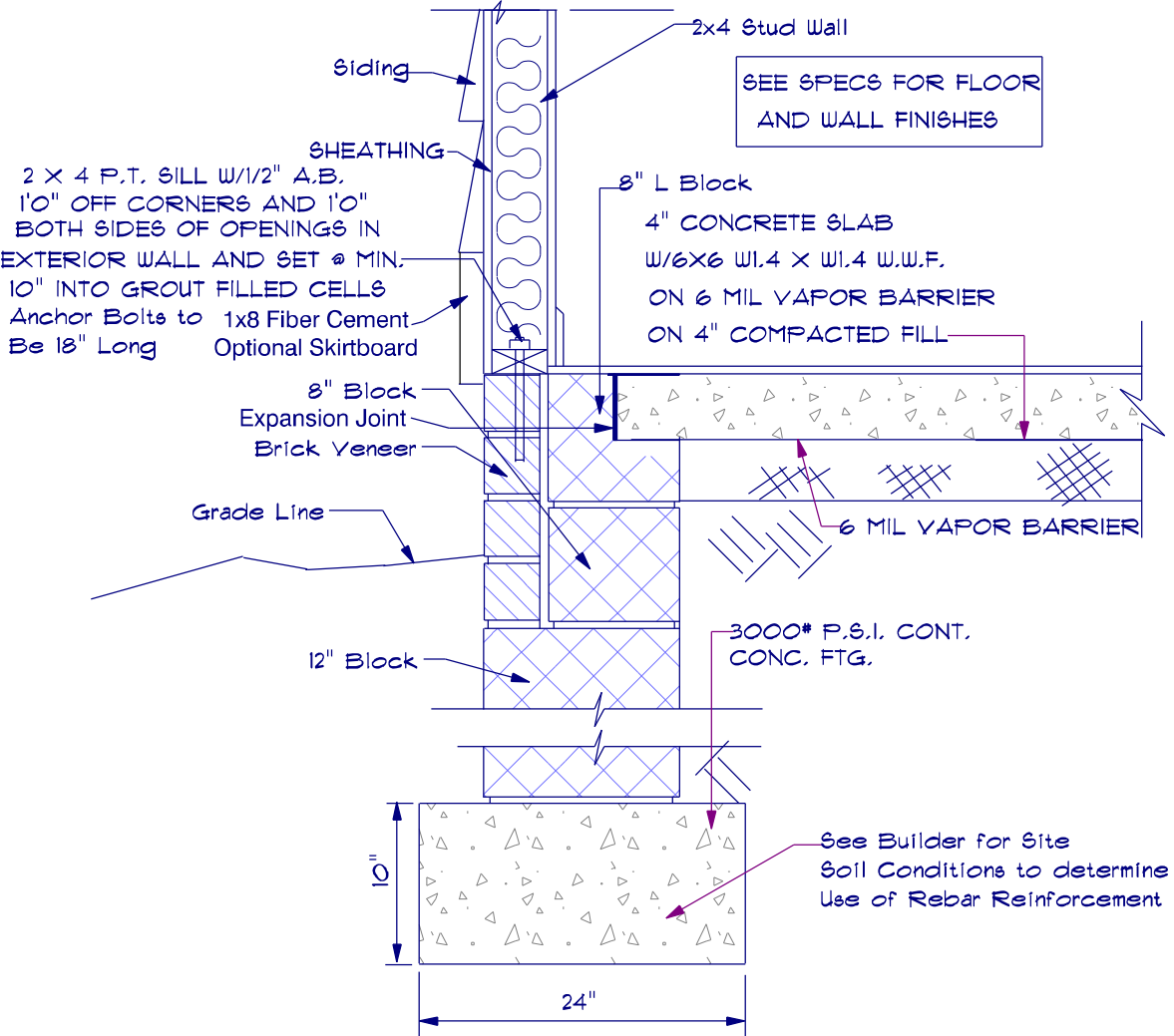


**Foundation Wall @ Front Porch**

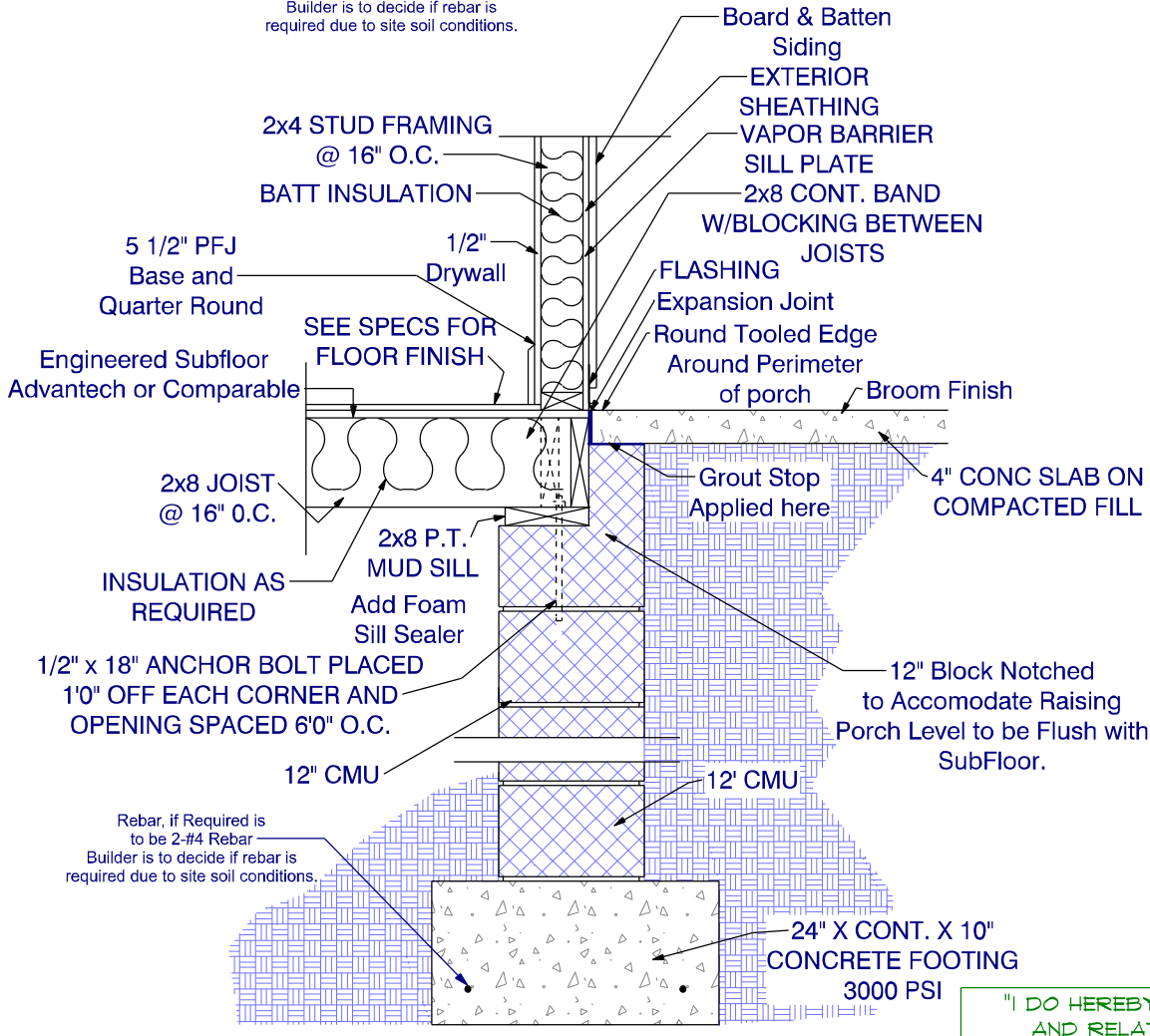
Not to Scale

**Use This Detail for Raised Slab Foundation Option**

4" CONCRETE SLAB 3000 P.S.I. - CONCRETE COMPRESSION, TENSILE, AND FLEXURAL STRENGTH ARE INCREASED W/THE ADDITION OF 1.5 LBS. PER CU. YD. OF FIBER MESH. REFERENCE F.E.D. REPORT #1



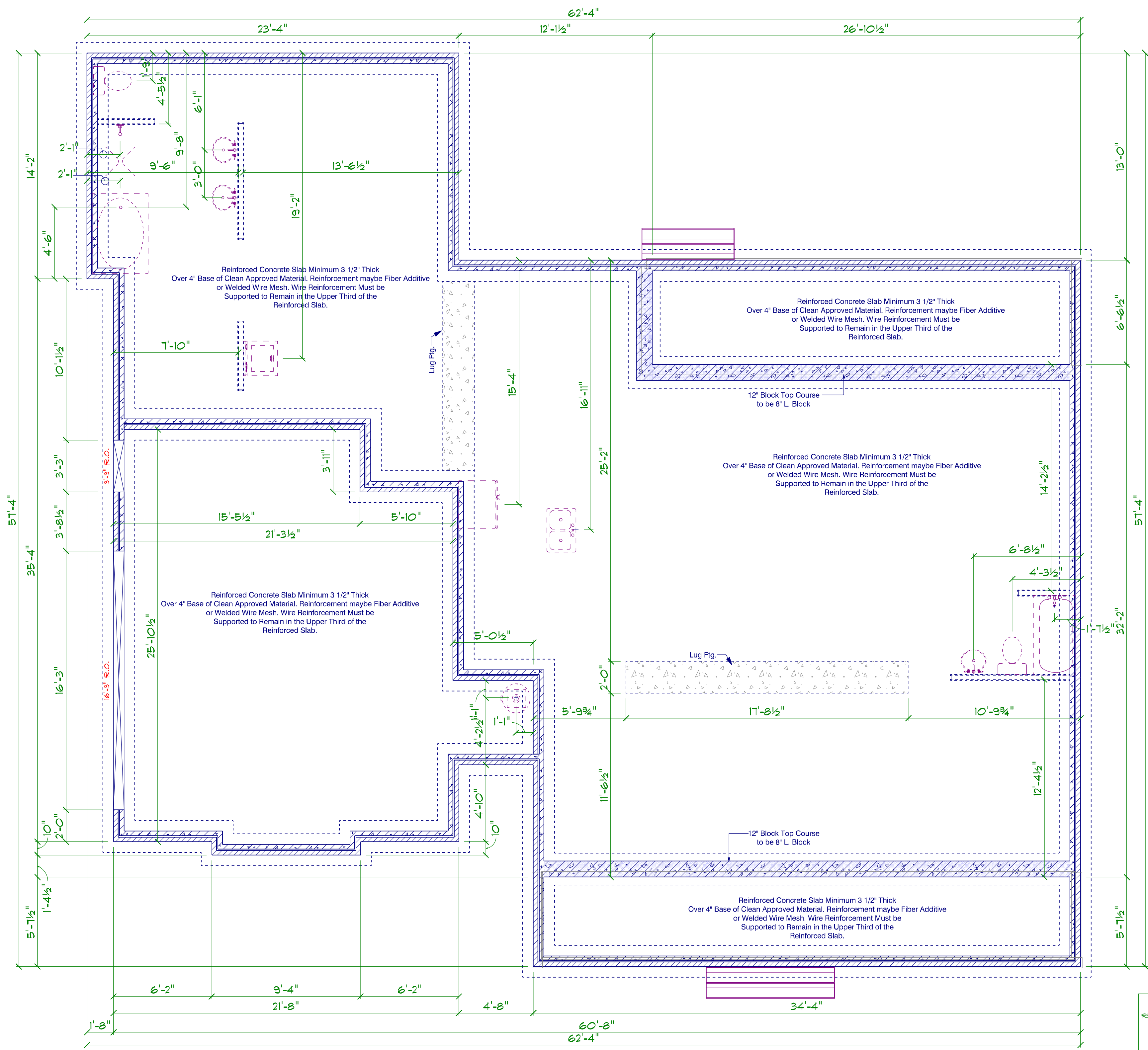
**Raised Slab Detail W/Brick**



**Exterior Wall Detail - Porch**

Not to Scale  
Use Grout Stop to ensure Full embedding of Anchor bolt.

"I DO HEREBY CERTIFY THAT THIS DRAWING OR PLAN AND RELATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS AND ARE IN SUBSTANTIAL CONFORMITY WITH BOTH SAH AND VA MINIMUM PROPERTY REQUIREMENTS INCLUDING THE INTERNATIONAL BUILDING CODE COUNCIL (2018 NC BUILDING CODE) ENERGY CONSERVATION STANDARDS OF THE 2018 COUNCIL OF AMERICAN BUILDING OFFICIALS MODEL ENERGY CODE AND THE REQUIREMENT FOR LEAD-FREE PIPING."



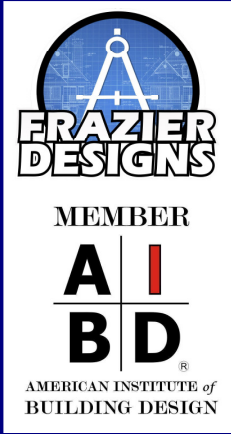
# Foundation Stem Wall Slab

Scale: 1/4" = 1'0"

"I DO HEREBY CERTIFY THAT THIS DRAWING OR PLAN AND RELATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS AND ARE IN SUBSTANTIAL CONFORMITY WITH BOTH 54H AND VA MINIMUM PROPERTY REQUIREMENTS INCLUDING THE INTERNATIONAL BUILDING CODE COUNCIL (2018 NC BUILDING CODE) ENERGY CONSERVATION STANDARDS OF THE 2018 COUNCIL OF AMERICAN BUILDING OFFICIALS MODEL ENERGY CODE AND THE REQUIREMENT FOR LEAD-FREE PIPING."

The Information in These Construction Documents is for the Exclusive Use of the Client in Construction of the Building and is not to be used for any other purpose. The Designer shall not be responsible for any errors or omissions in the Documents of the building owner. Upon the Client's acceptance of the Documents, the Client shall be deemed to have accepted the information contained herein and to have released the Designer from all Errors and Omissions in the Documents, in whole or in part, and to have authorized the Designer to represent the Client in all matters related to the project.

APPROVED BY	DATE



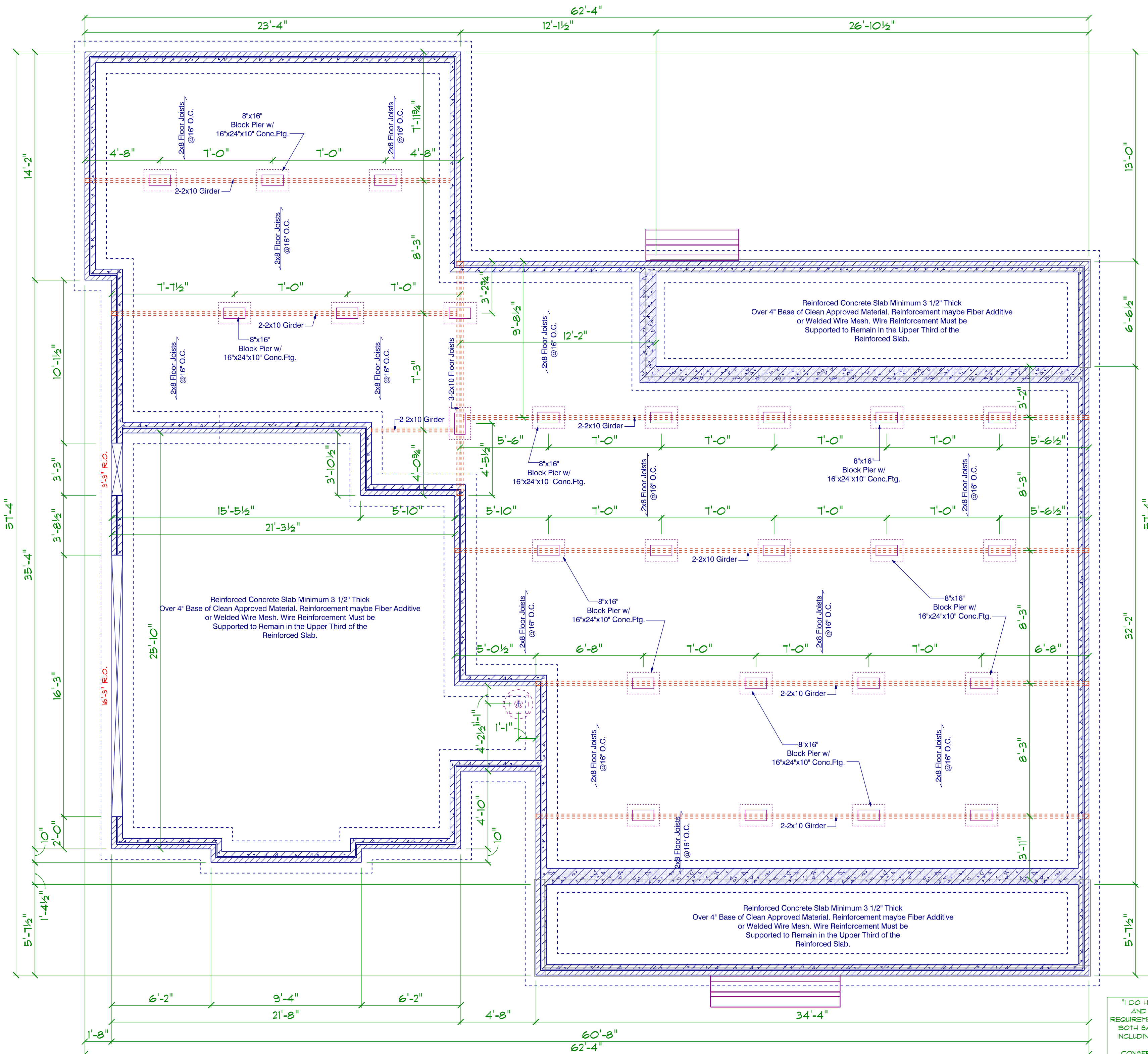
**Frazier Designs**  
A Residential Design Company  
(910) 818-9413  
www.frazierplans.com

Project: Hazelwood Plan Left Garage Side  
MODEL: FD-2176  
BUILDER: GMC Construction

DATE PRINTED: July 2024  
DRAWN BY: ATF

Stem Wall Layout

SHEET  
4



Reinforced Concrete Slab Minimum 3 1/2" Thick  
Over 4" Base of Clean Approved Material. Reinforcement maybe Fiber Additive  
or Welded Wire Mesh. Wire Reinforcement Must be  
Supported to Remain in the Upper Third of the  
Reinforced Slab.

Reinforced Concrete Slab Minimum 3 1/2" Thick  
Over 4" Base of Clean Approved Material. Reinforcement maybe Fiber Additive  
or Welded Wire Mesh. Wire Reinforcement Must be  
Supported to Remain in the Upper Third of the  
Reinforced Slab.

Reinforced Concrete Slab Minimum 3 1/2" Thick  
Over 4" Base of Clean Approved Material. Reinforcement maybe Fiber Additive  
or Welded Wire Mesh. Wire Reinforcement Must be  
Supported to Remain in the Upper Third of the  
Reinforced Slab.

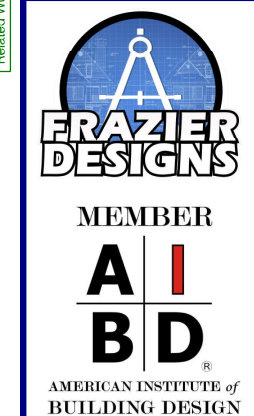
# Foundation Crawlspace

Scale: 1/4" = 10"

"I DO HEREBY CERTIFY THAT THIS DRAWING OR PLAN  
AND RELATED SPECIFICATIONS MEET ALL LOCAL  
REQUIREMENTS AND ARE IN SUBSTANTIAL CONFORMITY WITH  
BOTH SAH AND VA MINIMUM PROPERTY REQUIREMENTS  
INCLUDING THE INTERNATIONAL BUILDING CODE COUNCIL  
(2018 NC BUILDING CODE) ENERGY  
CONSERVATION STANDARDS OF THE 2018 COUNCIL OF  
AMERICAN BUILDING OFFICIALS MODEL ENERGY CODE AND  
THE REQUIREMENT FOR LEAD-FREE PIPING.

The Information in These Construction Documents is for  
The Exclusive Use of the Client in Construction of the  
Building and is not to be used for any other purpose.  
The Designer shall not be responsible for the construction  
Documents of the building unless upon the Client's  
written request the Designer has been retained to provide  
Client observations or become aware of any fault or  
defect in the product or non-conformance with the  
contract documents. The Designer shall not be held  
liable for the Designer's errors and omissions.  
Head of the Designer from all Errors and Omissions  
Related Work as Represented by the Designer to the Client.

APPROVED BY	DATE

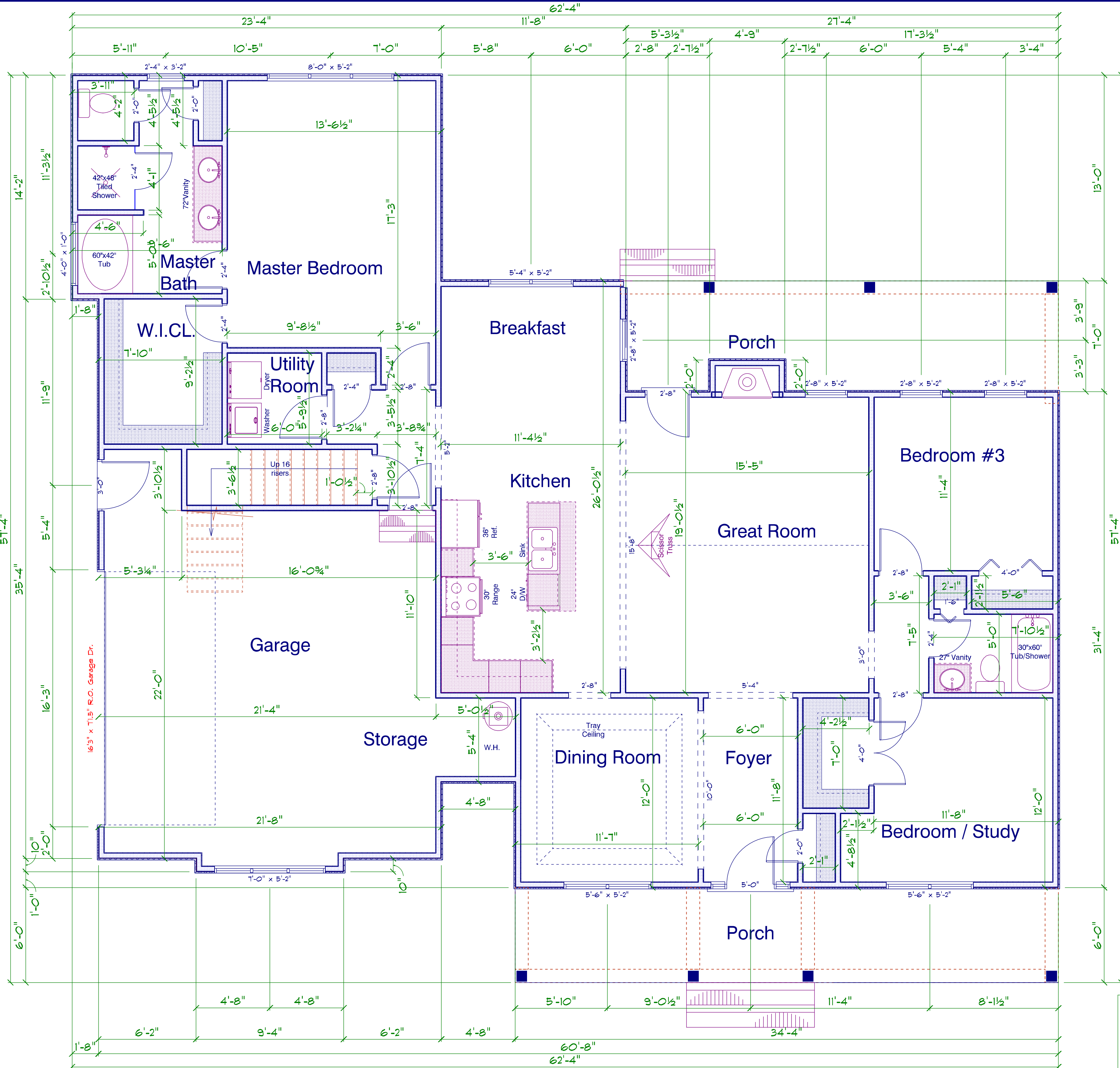


**Frazier Designs**  
A Residential Design Company  
(910) 818-9413  
www.frazierplans.com

Project: Hazelwood Plan Left Garage Side  
MODEL: FD-2176  
BUILDER: GMC Construction

DATE PRINTED:  
July 2024  
DRAWN BY:  
ATF

Crawlspace  
Alternate  
**SHEET**  
5

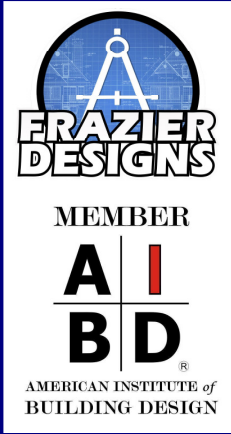


**Main Level Layout**  
 Scale: 1/4" = 1'0"  
 9'0" Finished Ceiling  
 (Unless otherwise Noted)  
 1842 S.F. Main Level Heated  
 334 S.F. Bonus Room  
 538 S.F. Garage  
 207 S.F. Front Porch Covered  
 193 S.F. Rear Porch Covered

"I DO HEREBY CERTIFY THAT THIS DRAWING OR PLAN AND RELATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS AND ARE IN SUBSTANTIAL CONFORMITY WITH BOTH SAH AND VA MINIMUM PROPERTY REQUIREMENTS INCLUDING THE INTERNATIONAL BUILDING CODE COUNCIL (2018 NC BUILDING CODE) ENERGY CONSERVATION STANDARDS OF THE 2018 COUNCIL OF AMERICAN BUILDING OFFICIALS MODEL ENERGY CODE AND THE REQUIREMENT FOR LEAD-FREE PIPING."

The Information in These Construction Documents is for the Exclusive Use of the Client in Construction of the Building and is not to be used for any other purpose. The Designer shall not be responsible for any errors or omissions in these documents or for any consequences that may result from their use. The Client shall be responsible for obtaining all necessary permits and for compliance with all applicable laws and regulations. The Client shall observe and become aware of any fault or defect in the product or non-conformance with the contract documents and shall be responsible for notifying the Designer in writing immediately upon discovery. The Designer shall not be responsible for any errors or omissions in these documents or for any consequences that may result from their use. The Client shall be responsible for obtaining all necessary permits and for compliance with all applicable laws and regulations. The Client shall observe and become aware of any fault or defect in the product or non-conformance with the contract documents and shall be responsible for notifying the Designer in writing immediately upon discovery.

APPROVED BY	DATE



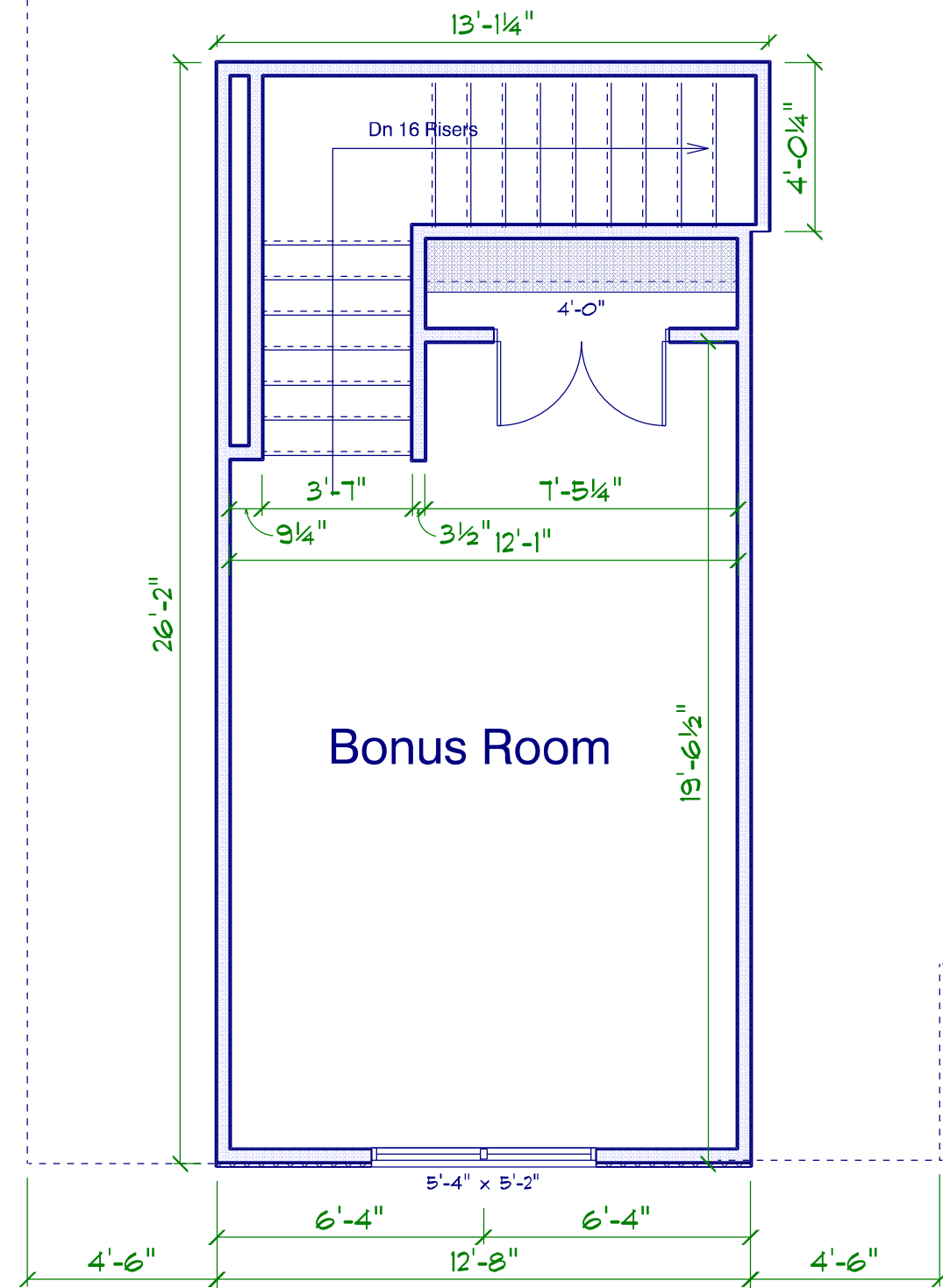
**Frazier Designs**  
 A Residential Design Company  
 (910) 818-2413  
 www.frazierplans.com

Project: Hazelwood Plan Left Garage Side  
 MODEL: FD-2176  
 BUILDER: GMC Construction

DATE PRINTED:  
 July 2024  
 DRAWN BY:  
 ATF

Main Level Layout

SHEET  
 6

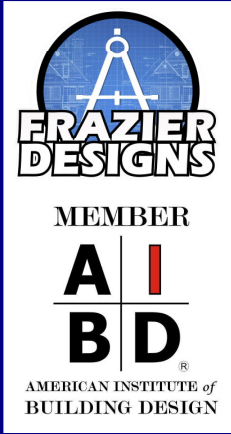


**Bonus Room**  
 Scale: 1/4" = 1'0"  
 334 s.f. Bonus Room

"I DO HEREBY CERTIFY THAT THIS DRAWING OR PLAN AND RELATED SPECIFICATIONS MEET ALL LOCAL REQUIREMENTS AND ARE IN SUBSTANTIAL CONFORMITY WITH BOTH 54H AND VA MINIMUM PROPERTY REQUIREMENTS INCLUDING THE INTERNATIONAL BUILDING CODE COUNCIL (2018 NC BUILDING CODE) ENERGY CONSERVATION STANDARDS OF THE 2018 COUNCIL OF AMERICAN BUILDING OFFICIALS MODEL ENERGY CODE AND THE REQUIREMENT FOR LEAD-FREE PIPING."

The Information in These Construction Documents is for the Exclusive Use of the Client in Construction of the Building and is not to be used for any other purpose. The Designer shall not be held responsible for any errors or omissions in the Documents of the building, upon the Client's observation or acceptance of the same. The Client shall be responsible for obtaining all necessary permits and for the proper interpretation of the same. The Client shall be responsible for the proper interpretation of the same. The Client shall be responsible for the proper interpretation of the same. The Client shall be responsible for the proper interpretation of the same.

APPROVED BY	DATE



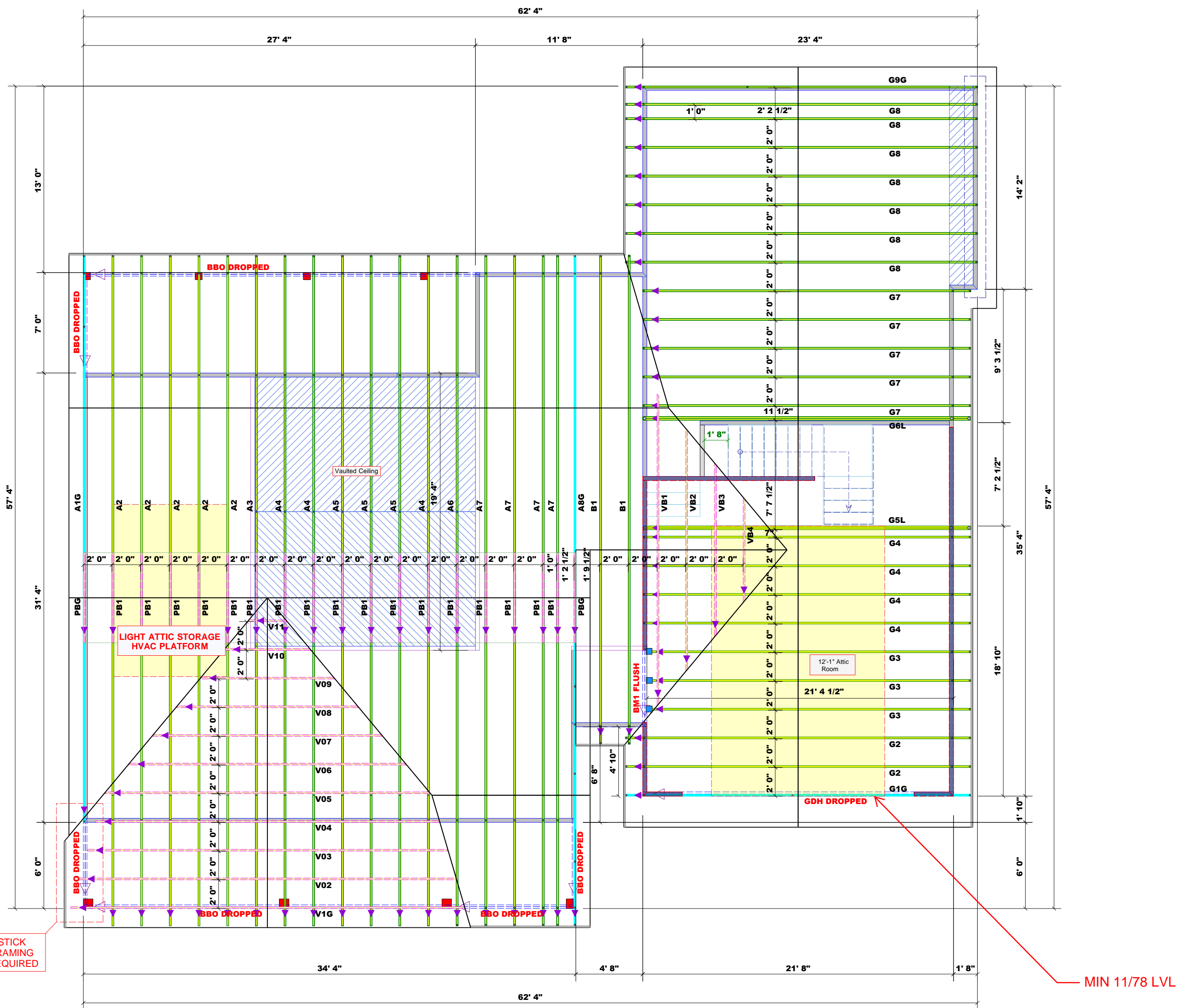
**Frazier Designs**  
 A Residential Design Company  
 (910) 818-9413  
 www.frazierplans.com

Project: Hazelwood Plan Left Garage Side  
 MODEL: FD-2176  
 BUILDER: GMC Construction

DATE PRINTED:  
 July 2024  
 DRAWN BY:  
 ATF

Bonus Room  
 Layout

SHEET  
 1



**Hatch Legend**

	DROP WALLS 1'-7" BELOW TYP
	Vaulted Ceiling

**Products**

PlotID	Length	Product	Plies	Net Qty
BM1 FLUSH	6' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH DROPPED	22' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2

- GENERAL NOTES**
- WALL HEIGHT IS 8' 1-1/2" (1' 7" BELOW TYP)
  - ALL TRAYS BUILT DOWN BY BUILDER
  - G5L TRUSS IS ABLE TO SHIFT SPACING TO MAKE STAIRS WORK

Connector Information				Nail Information		
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
	HUS26	USP	3	NA	16d/3-1/2"	16d/3-1/2"

**Hatch Legend**

	DROP WALLS 1'-7" BELOW TYP
	Vaulted Ceiling

**Products**

PlotID	Length	Product	Plies	Net Qty
BM1 FLUSH	6' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH DROPPED	22' 0"	1-3/4"x 11-7/8" LVL Kerto-S	2	2

- GENERAL NOTES**
- WALL HEIGHT IS 8' 1-1/2" (1' 7" BELOW TYP)
  - ALL TRAYS BUILT DOWN BY BUILDER
  - G5L TRUSS IS ABLE TO SHIFT SPACING TO MAKE STAIRS WORK

Connector Information				Nail Information		
Sym	Product	Manuf	Qty	Supported Member	Header	Truss
	HUS26	USP	3	NA	16d/3-1/2"	16d/3-1/2"

**Truss Placement Plan**  
SCALE: NTS

= Indicates Left End of Truss  
(Reference Engineered Truss Drawing)  
Do NOT Erect Truss Backwards

**LOAD CHART FOR JACK STUDS**  
(BASED ON TABLES B502.5(1) & (2))  
NUMBER OF JACK STUDS REQUIRED @ EA END OF HEADERS/BOARDS

END REACTION (UP TO) (DOWN) (BY) HEADER	END REACTION (UP TO) (DOWN) (BY) HEADER	END REACTION (UP TO) (DOWN) (BY) HEADER
1700	2550	3400
3400	5100	6800
5100	7650	10200
6800	10200	13600
8500	12750	17000
10200	15300	
11900		
13600		
15300		

<b>BUILDER</b>	GMC Construction	<b>CITY / CO.</b>	Tar Heel / Bladen
<b>JOB NAME</b>	Lot 2 River Road	<b>ADDRESS</b>	Lot 2 River Road
<b>PLAN</b>	Hazelwood (Modified)	<b>MODEL</b>	Roof
<b>SEAL DATE</b>	Seal Date	<b>DATE REV.</b>	08/21/24
<b>QUOTE #</b>	B0824-4548	<b>DRAWN BY</b>	Michael Turner
<b>JOB #</b>	J0824-4548	<b>SALES REP.</b>	Scot Duncan

**THIS IS A TRUSS PLACEMENT DIAGRAM ONLY.**  
These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult BCSH-B1 and BCSH-B3 provided with the truss delivery package or online @ sbcindustry.com

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables (derived from the prescriptive Code requirements) to determine the minimum foundation size and number of wood studs required to support reactions greater than 3000# but not greater than 15000#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 15000#.

Signature: Michael Turner  
Michael Turner



**ROOF & FLOOR TRUSSES & BEAMS**  
Reilly Road Industrial Park  
Fayetteville, N.C. 28309  
Phone: (910) 864-8787  
Fax: (910) 864-4444