

Date: 10/29/2021

To: Rob Musso
Superior Walls of North Carolina

3570 S. Main Street
Salisbury, North Carolina
28147
rmusso@superiorwallsnc.com
919.691.3354

Re: Superior Wall Foundation Review
Location: S. Lincoln St.
Coats, NC 27521
JDS Project No.: 21902369
Date of Review: 10/29/2021
Plan Revision: 2
Plan Date Modified: 10/26/2021

JDS Consulting, PLLC. has reviewed the aforementioned Superior Wall layout and the plans provided by the builder/architect.

Based on our review the wall locations and dimensions provided on the Superior Wall Layout are correct and shall provide adequate support for the structure above. Concrete footing pad and concrete stud locations and sizes (if needed) have also been observed and are in place at the correct locations. All review and calculations are based on a standard soil bearing capacity of 2000psf.

JDS Consulting, PLLC has reviewed and analyzed only the portions of the structure specifically referred to above. In no event are we to be deemed liable for any deficiencies in the remainder of the structure. Furthermore, we shall not be responsible for structural deficiencies in the superior wall system resulting from defects caused during manufacturing, delivery, placement, or on-site modifications.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 336.749.0289.

Respectfully Submitted,
Logan Hale, E.I.



Reviewing Engineer

Attachments: Superior Wall Layouts

SHOP DRAWING GENERAL INFORMATION PAGE

CODES & STANDARDS

Building Code:	2012/2015/2018/2019 IRC, 2012 IBC
ESR Report number:	ESR-1662 August 2018
3rd Party Inspection Agency:	PFS Corporation, Madison WI
Quality Assurance Manual:	Superior Walls of America 2005 Edition
Site Preparation Guide:	Superior Walls Builder Guideline Booklet Rev. June 2018
Fire Test Standards:	ASTM E119 ANSI/UL 1715

WALL MATERIALS

Concrete Compressive Strength:	Min. 5,000 PSI
water/cement Ratio:	<0.40
Reinforcing Steel:	No. 4 and larger - 60,000 PSI No. 3 and smaller - 40,000 PSI
Secondary Reinforcement:	Polypropylene Fiber
Embedded Wood Blocking:	Preservatively Pressure Treated
EPS Foam Insulation:	Flame Spread: 20 Smoke Development: 240
XPS Foam Insulation:	Flame Spread: 5 Smoke Development: 165

SITE/WALL CONDITIONS

Frost Depth:	Min. 12 inches
assumed Soil Bearing Capacity:	2,000 PSF
Seismic Category:	A, B, C
Basic Wind Speed:	155 maximum PSF
Wall Loading:	7,500 Pounds/LF (uniform) Maximum
Brickledge Loading:	2,900 Pounds/LF Maximum
Crushed Stone Footing Depth:	Min. 6 Inches thick or more (see table in Builder Guideline Booklet Table R403.4)
Crushed Stone Size:	3/4 Inch and smaller (cleaned)
Backfill Material:	100 LB/CF Equivalent Fluid Pressure Max (see Builder Guideline booklet for more information)
Beam Pocket(s) & Point Load(s):	38,000 Pound Maximum - Data supplied by Customer/Builder (see plan for location and sizes)

GENERAL NOTES

- Jobsite shall be prepared by the builder in accordance with the Superior Walls of America builder Guideline Booklet - Site Preparation and Framing Attachment Requirements (Rev. January 2016).
- Auxiliary drain pipe must be four (4) inch diameter perforated, covered with filter fabric and directed to a sump pit or daylight.
- Builder shall establish the elevation benchmark (if necessary)
- Builder shall insure proper site access for trucks and crane.

INSTALLATION NOTES

- Installation shall be supervised by a Superior Walls certified installer. Certification is obtained through Superior Walls of America, Ltd.
- Installation shall comply with Superior Walls of America's Installation Manual (Rev. July 2011).

DRAWING NOTES

- All measurements for brick, stone, or support ledges are from Top Of Wall (TOW).
- Drawings are not to scale.

DAMP PROOFING

Superior Walls are recognized by the ICC-ES as an alternative method of providing foundation wall damp proofing. No additional damp proofing is required. (See ESR-1662 & ICC-ES Legacy Report 21-72)

PLEASE NOTE

To comply with building code requirements, the framing/decking connections at the top of the Superior Walls and floor slab at the bottom of the Superior Wall **MUST** be completed **PRIOR** to backfilling.

CUSTOMER RELEASE

The attached drawing was created from information and dimensions provided by the customer/builder. Superior Walls of North Carolina, Inc. is not responsible for deviations from the Blue Print or information provided by the customer/builder.

I have reviewed the attached drawing & all of the dimensions and objects therein; I understand the the Superior Walls will be custom manufactured per this drawing specifically for my project. By signing below I am certifying that I have reviewed the attached drawing and all of its listed dimensions and I accept **FULL RESPONSIBILITY** of any and all measurements and information provided by me/my associates/my company.

CUSTOMER MUST SIGN & DATE BELOW

Customer/Builder Signature & Date

PROJECT:

Job Number: 221-17916
 Job Name: 221-17916
 Job Address: ---
 Lot #: ---

BUILDER:

Company: Barefoot Builders

Contact:
 Phone/Email: ---

MUNICIPALITY:

Harnett County
 COATS, NC



3570 S. Main Street
 Salisbury, NC 28147
 Phone: 704-636-6200
 Toll-Free: 877-896-9255
 www.superiorwallsnc.com

DRAWING DATA:

Job Number: 221-17916
 Sales Rep: R. MUSGO

Drawn By: JG

Date Created: Aug. 11, 2021
 Date Modified: Oct. 26, 2021
 Revision: 2

Pages: 5

Superior Walls® FOUNDATION DRAWING

6' WALLS - TOTAL LENGTH: 4'
 10' WALLS - TOTAL LENGTH: 143'

1/2" DIA. x 6" BOLTS FOR SILL PLATE

#	DESCRIPTION
10	BRICK LEDGE TOTALING 134'-7 5/16"
10	SLAB CONNECTOR

PLEASE NOTE:
 Adjustments made after sign-offs may incur an additional \$200 service charge

OWNER/BUILDER NOTIFICATION:
 BY SIGNING THESE DRAWINGS YOU ARE ACKNOWLEDGING THAT THE WALLS WILL BE BUILT TO THE DIMENSIONS INDICATED ON THESE PLANS, AND THAT YOU ARE ASSUMING ANY AND ALL LIABILITY THAT MAY RESULT FROM THE WALLS BEING MANUFACTURED AS SHOWN

BUILDER CHECK LIST:
 -RO's/DIMS/WALL HEIGHT CORRECT?
 -OBJECT OPENINGS CORRECT?
 -WOOD BUTTS IND./REQ'D?
 -SUPPORT/BRICK LEDGES CORRECT?
 -EXTRA SUPPORT IND. FOR PT. LOAD?

SIGNATURE: _____
 DATE: _____



JDS Consulting
 8600-D Jersey, Ct.
 Raleigh, NC 27617
 919-480-1075
 info@JDSConsulting.net
 www.JDSConsulting.net
 Project No.: **21902369**
 NC firm: P-0961

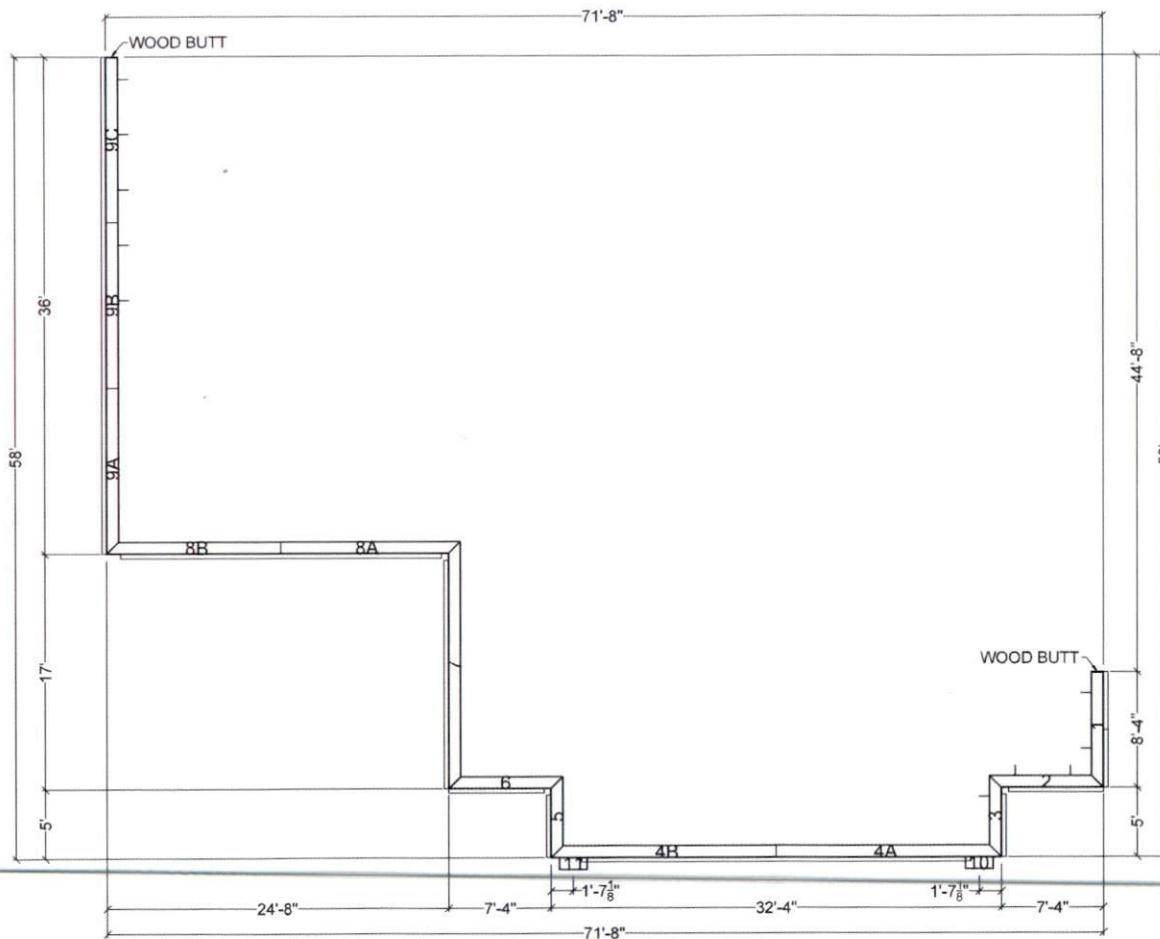
THESE DRAWINGS ARE APPROVED FOR FINAL PRODUCTION AS ILLUSTRATED AND NOT SUBJECT TO CHANGE.
 CUSTOMER SIGNATURE: _____ DATE: _____

Superior Walls®
 of North Carolina
 3570 S. Main Street
 Salisbury, NC 28147
 Phone: 704-636-6200
 Toll-Free: 877-896-9255

REV.	DATE	BY
1	08-11-21	JG
2	09-20-21	JG
P	10-26-21	JG

PROJECT: **Frazer**
 BUILDER: **Barefoot Builders**

STATUS: ISSUED FOR APPROVAL
 SALESMAN: R. MUSSO
 FILENAME: 221-17916
 SHEET TITLE: SUMMARY
 SHEET NO. 2 of 5



R. MUSSO
BAREFOOT BUILDERS

10' Walls

MIN STONE DEPTH
FOR 2,000 PSF SOIL BEARING
1-STORY - 6"
2-STORY - 8"
3-STORY - 14"

Shear walls may be required,
refer to builder guideline
booklet for more information

Top of wall slab detail
per builder guideline
book must be adhered to



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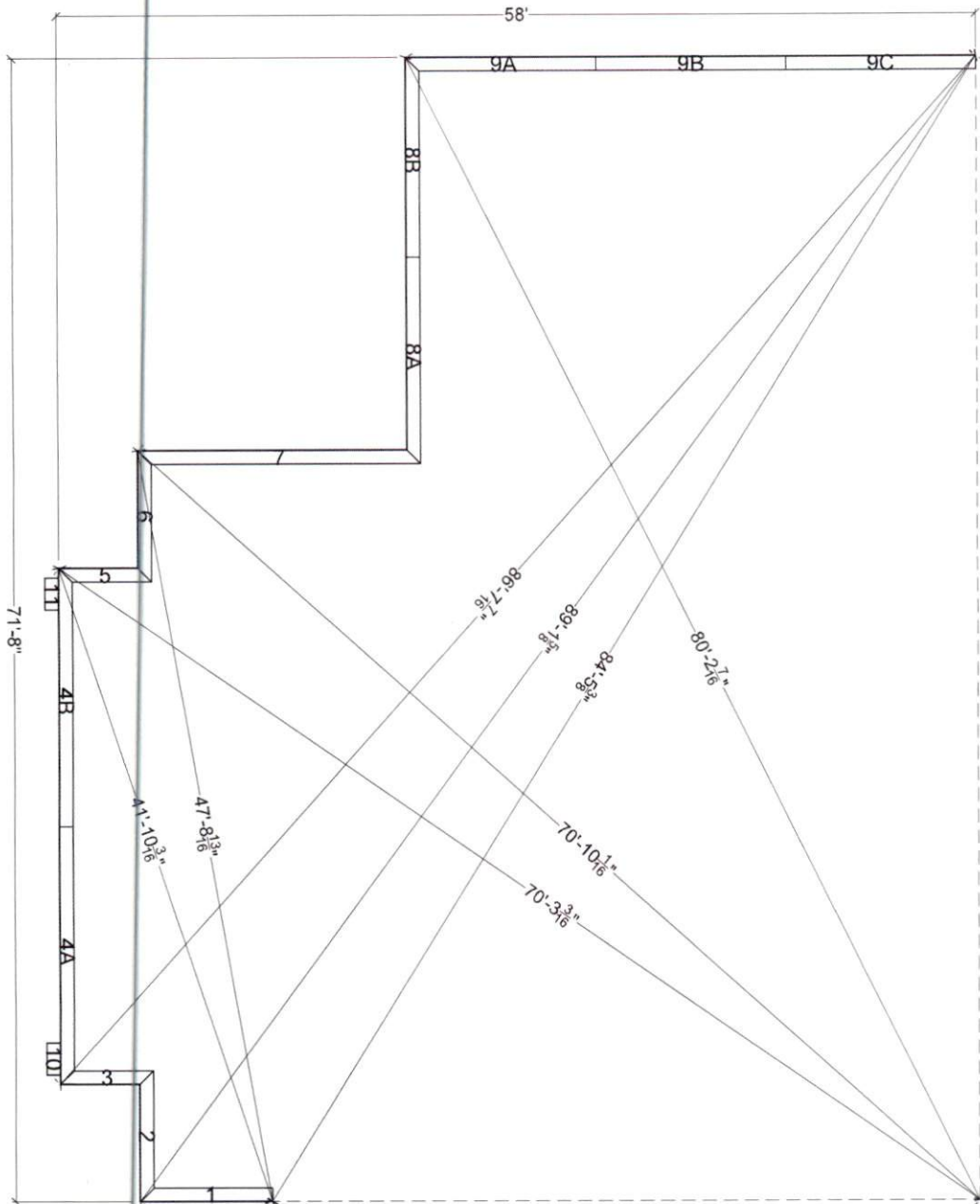
3570 S. Main Street
Salisbury, NC 28147
Phone: 704-636-6200
Toll-Free: 877-896-9255

REV.	DATE	BY
1	08-11-21	JG
2	09-20-21	JG
P	10-26-21	JG

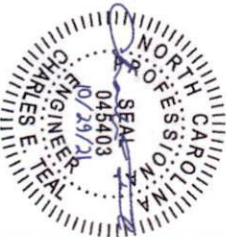
PROJECT: Frazee
BUILDER: Barefoot Builders

STATUS:	ISSUED FOR APPROVAL
SALESMAN:	R. MUSSO
FILENAME:	21-17916
SHEET TITLE:	PLAN W/O DIMS
SHEET NO.	3 of 5

CUSTOMER SIGNATURE: _____ DATE: _____



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 8600-D Jersey Ct.
 Raleigh, NC 27617
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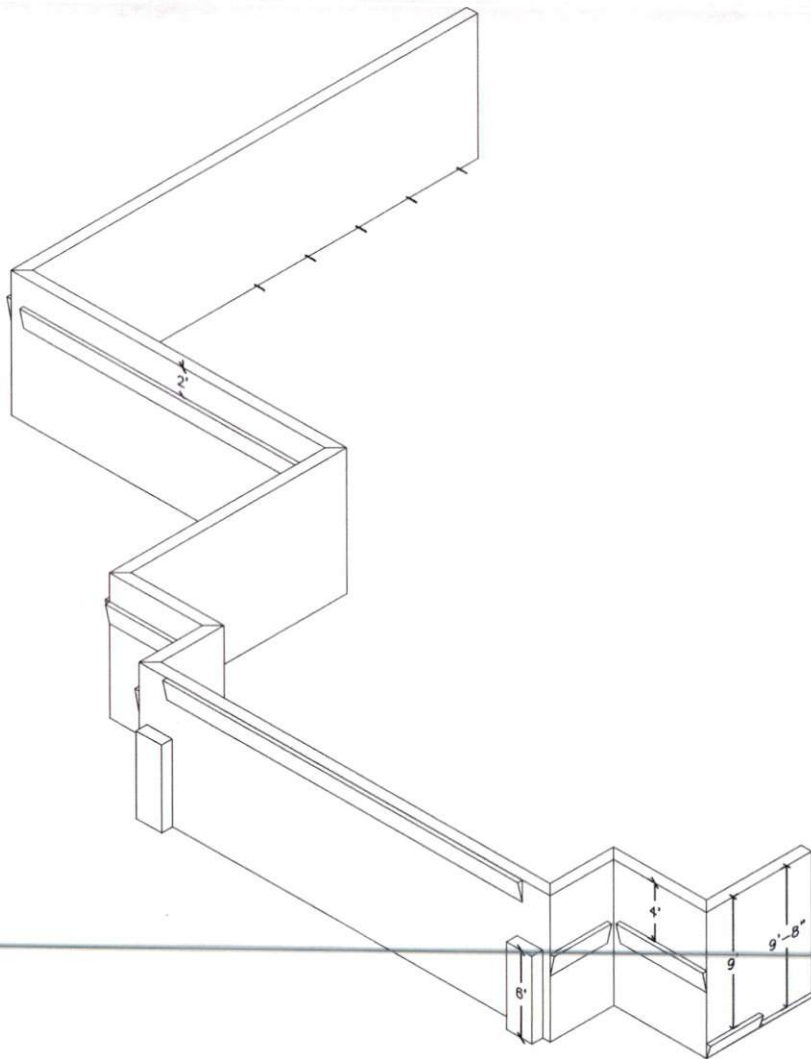


STATUS: ISSUED FOR APPROVAL	SALESMAN: R. MUSSO	FILENAME: 21-1096	SHEET TITLE: DIAGONALS	SHEET NO. # of #
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PROJECT: Frazee
 BUILDER: Barefoot Builders

REV.	DATE	BY
1	08-11-21	JG
2	09-20-21	JG
P	10-26-21	JG

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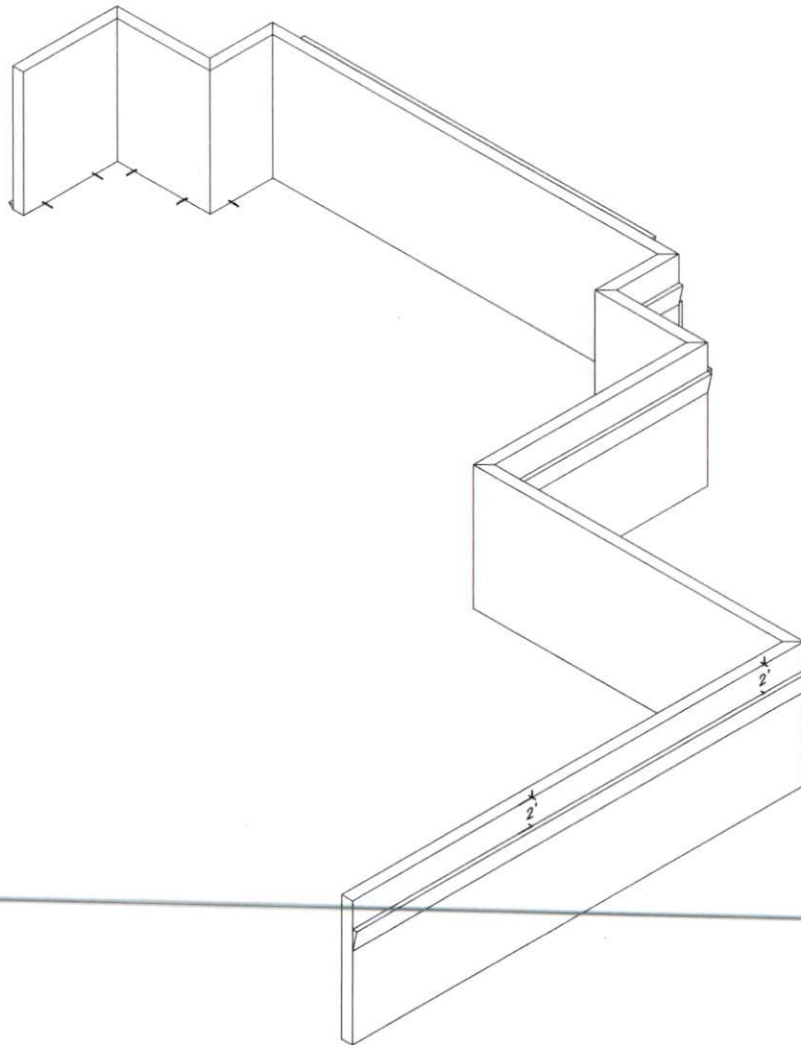
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REV.	DATE	BY
1	08-11-21	JG
2	09-20-21	JG
P	10-26-21	JG

PROJECT: **Fraze**
 BUILDER: **Barefoot Builders**

STATUS:	ISSUED FOR APPROVAL
SALESMAN:	R. Musso
FILENAME:	221-17916
SHEET TITLE:	ISOMETRIC 1
SHEET NO.	4 of 5

CUSTOMER SIGNATURE: _____ DATE: _____



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REV.	DATE	BY
1	08-11-21	JG
2	09-20-21	JG
P	10-26-21	JG

PROJECT: Frazee
BUILDER: Barefoot Builders



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NC firm: P-0961

STATUS: ISSUED FOR APPROVAL
SALESMAN: R. MUSSO
FILENAME: 231-17916
SHEET TITLE: ISOMETRIC 2
SHEET NO. 5 of 5

CUSTOMER SIGNATURE: _____ DATE: _____