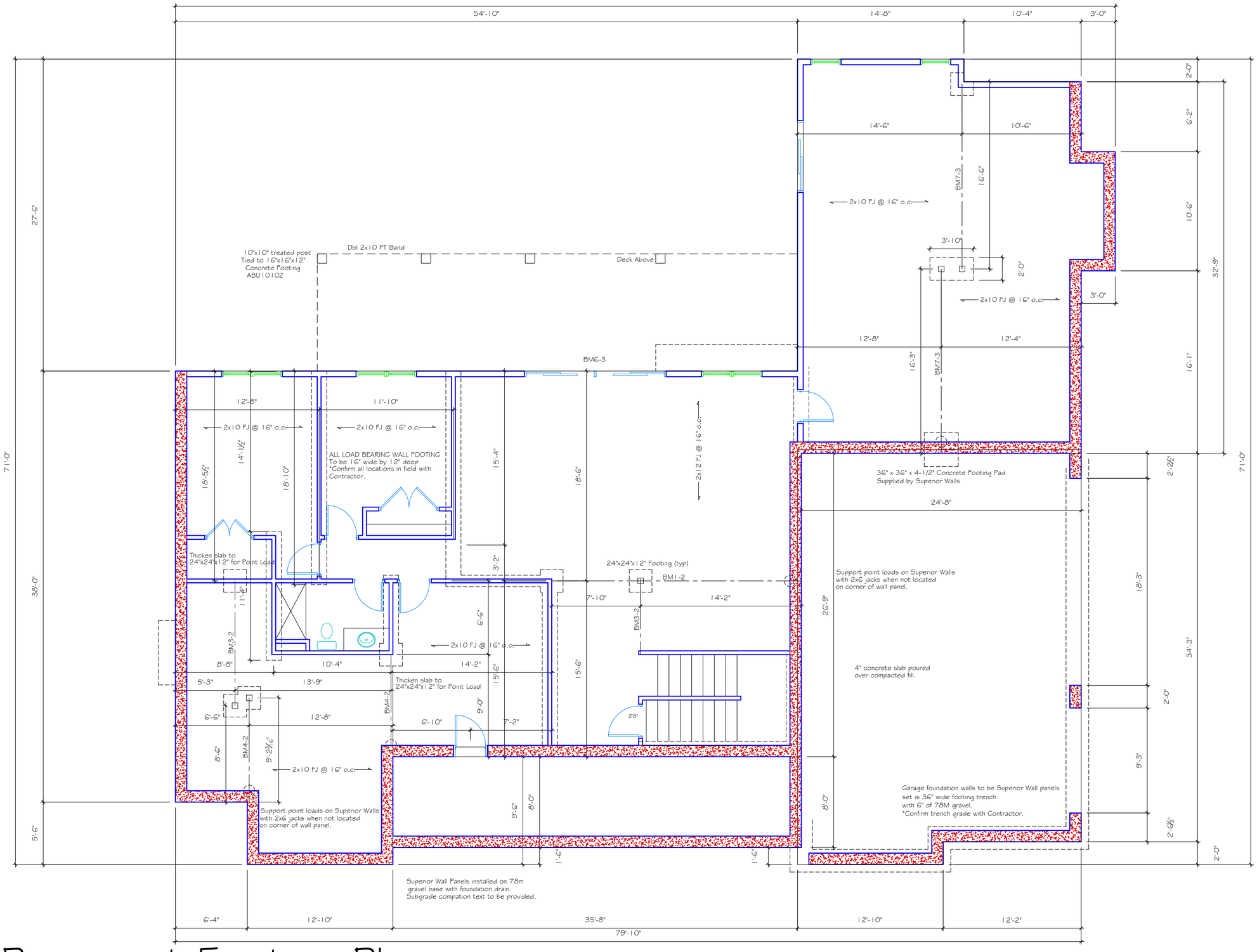
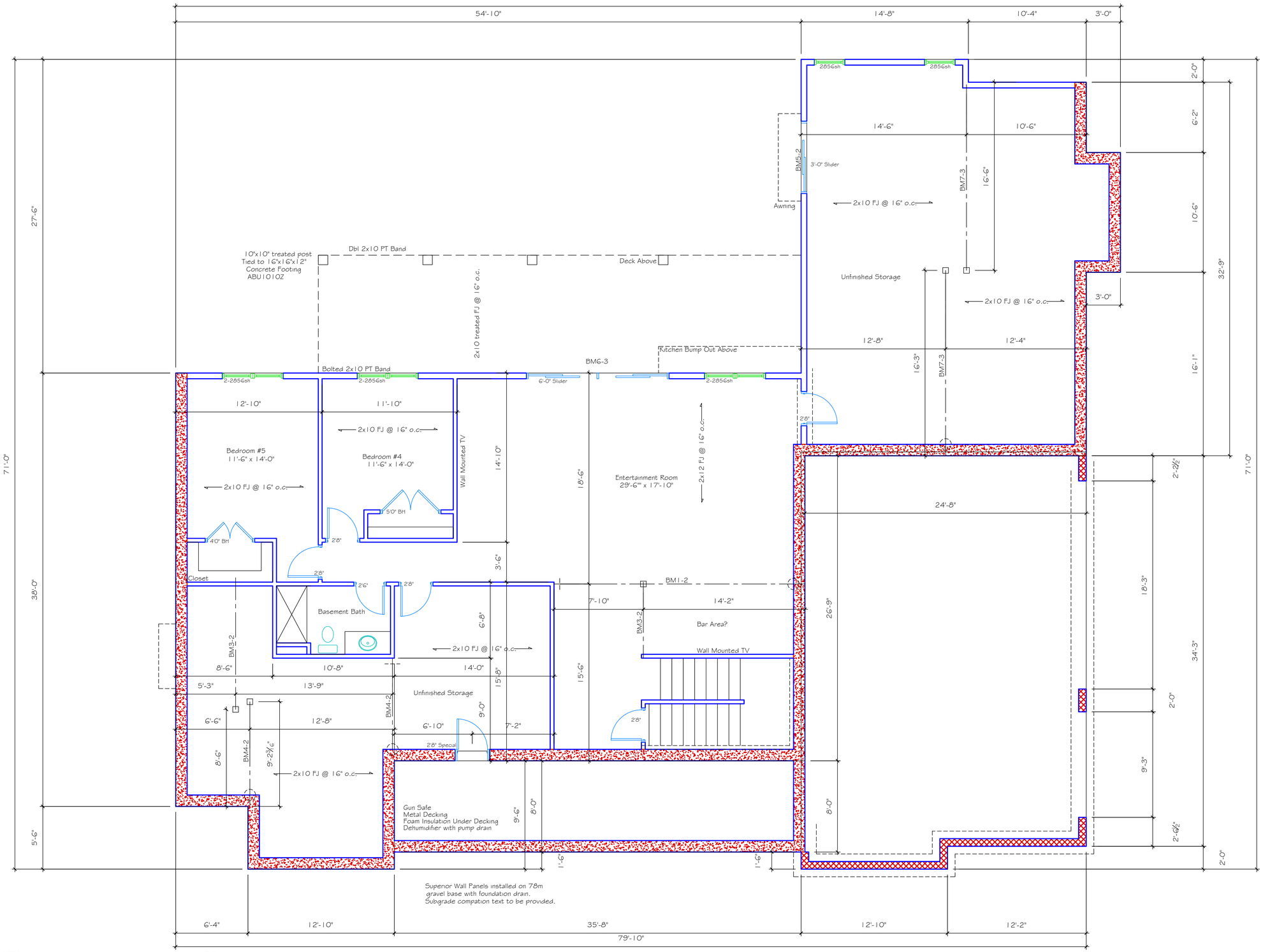


Basement Footing Plan



Basement Plan

Span Table for Joist and Rafters.

-Floors shall be constructed in accordance with the provisions of Chapter 5 of the NC State Building Code, Sect. R502.2 and Sects R319 and R320.

-Spans for floor joist shall be in accordance with Tables R502.3.1(1) and R502.3.1(2). For other grades and species and for other loading conditions, refer to the AF&PA

-The allowable span of girders fabricated of dimension lumber shall not exceed the values set forth in Tables R502.5(1) and R502.5(2).

-Local soil conditions and/or local practice may necessitate a more stringent footing and foundation wall design. Consult with local building inspector. Soil design bearing pressure is assumed 2000 psf.

Carry all footings to firm undisturbed bearing:
- -24" x 10" footing for 8" foundation wall .
- -24" x 10" footing for 12" foundation wall.

Pier Footings (Typical Unless Otherwise Notes)

-Provide 1'-8" x 2'-4" x 1'-0" deep concrete footing under 8" x 16" masonry piers.

-Provide 2'-0" square x 1'-0" deep concrete footing with under 16" square masonry piers.

-Grout piers solid with 2500psi concrete (typ).

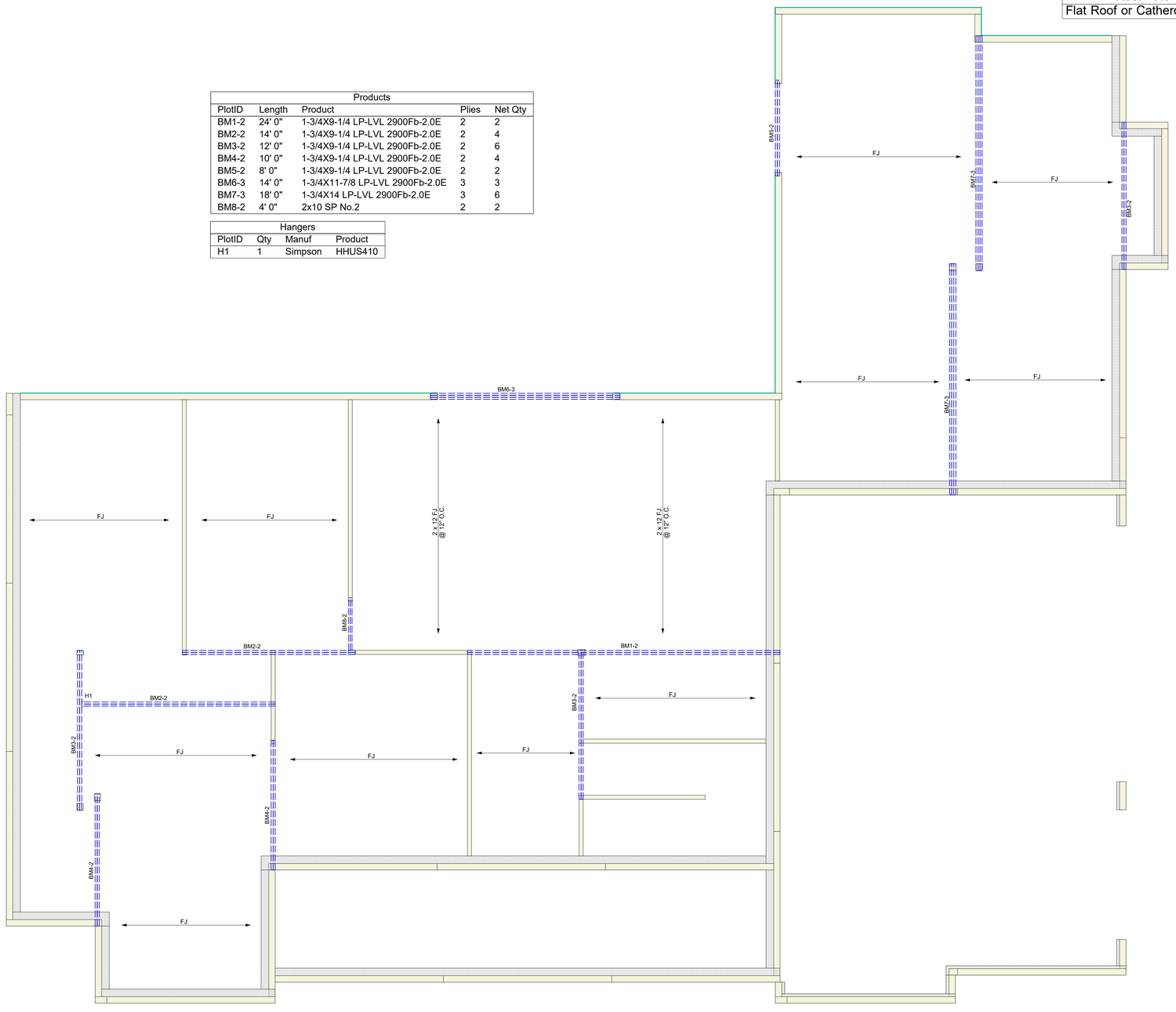
PROJECT TABULATIONS

Main Level	2937
Finished Basement (est)	1212
TOTAL HEATED	4149
Garage	873
Covered Back Porch	403
Front Porch	285
Unfinished Basement (est)	TBD

Joist & Rafter Area Loads	Live Load psf	Dead Load psf
Primary Living	40	10
Secondary & Attic Permanent Stairs	30	10
Ceiling - Limited Storage	20	10
Ceiling - No Storage	10	5
Roof - No Ceiling Load	20	10
Flat Roof or Catherdral w/Drywall Ceiling	20	15

Products				
PlotID	Length	Product	Plies	Net Qty
BM1-2	24' 0"	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	2
BM2-2	14' 0"	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	4
BM3-2	12' 0"	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	6
BM4-2	10' 0"	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	4
BM5-2	8' 0"	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	2
BM6-3	14' 0"	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	3	3
BM7-3	18' 0"	1-3/4X14 LP-LVL 2900Fb-2.0E	3	6
BM8-2	4' 0"	2x10 SP No.2	2	2

Hangers			
PlotID	Qty	Manuf	Product
H1	1	Simpson	HHUS410



GENERAL NOTES & DESIGN ASSUMPTIONS

ALL CEILING JOISTS ARE 2x8 SPF #2 @ 16" O.C. (UNO)
ALL RAFTERS ARE 2x8 SPF #2 @ 16" O.C. (UNO)
ALL LOAD HEADERS, NOT SHOWN ON LAYOUT, ARE (2)2x10 SYP #2 (UNO)
ALL 2x4, 2x6 & 2x8 ARE SPF #2 (UNO)
ALL 2x10 & 2x12 JOISTS ARE SYP #2 (UNO)
ALL RIDGES AND HIP RAFTERS ARE 2x10 (UNO)
ALL VALLEY RAFERS ARE 2x12 (UNO)
#J = NUMBER OF 2x4 SPF #2 JACK STUDS REQUIRED
= ROOF BRACE POINT

Wall Legend
Bearing Wall
Non-Load Bearing Wall

Boise Cascade
7601 BOEING DRIVE
GREENSBORO, NC 27409
V (336) 884-5454

4575 HAMPTON ROAD
CLEMMONS, NC 27409
V (336) 712-9910

1135 ROBESON STREET
FAYETTEVILLE, NC 28305
V (910) 485-1111

3189 NC HIGHWAY 5
ABERDEEN NC 28315
V (910) 944-2516

Builders FirstSource

GENERAL NOTES:
1.) READ THE INSTALLATION GUIDE BEFORE FRAMING.
2.) ALL WALLS SHOWN ARE LOAD BEARING UNLESS NOTED OTHERWISE. WALLS NOT SHOWN ARE CONSIDERED NON-LOAD BEARING.
3.) UNLESS STATED OTHERWISE ALL CEILING & ROOF LOADS BRACE DIRECTLY TO LOAD BEARING WALLS SUPPORTED BY FOUNDATION.
4.) CONTACT BUILDERS FIRSTSOURCE BEFORE MAKING ANY ALTERATIONS OR ADJUSTMENTS...FAILURE TO DO SO MAY RESULT IN COSTLY REPAIRS.

BRAD CUMMINGS CONSTRUCTION

KEANE RESIDENCE

FIRST FLOOR EWP PLACEMENT PLAN

Builders FirstSource, Central Carolina Markets

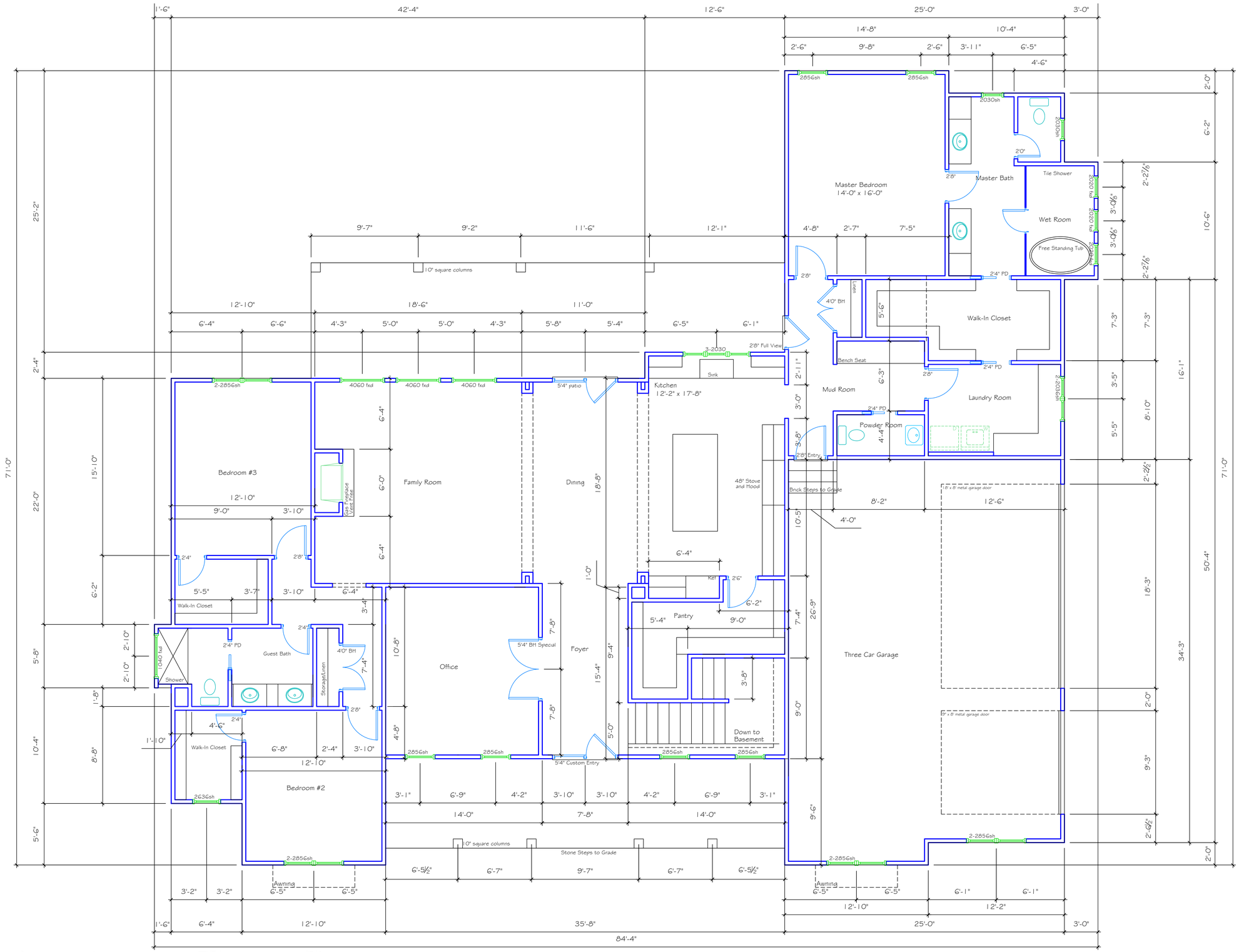
DRAWN BY: MARK BROOKS
DATE: 1/11/2023
SCALE: 1/4" = 1'
JOB NUMBER: 3303534

MINIMUM DESIGN DATA
LIVE LOAD 40 PSF
DEAD LOAD 10 PSF
TOTAL LOAD 50 PSF
DOL = 100%
DEFLECTION CRITERIA
L/480 (MINIMUM)

ARCHITECTUAL PLAN DATE
XX-XX-XX

REVISED ARCH. PLAN DATE
XX-XX-XX

XXXXXXX



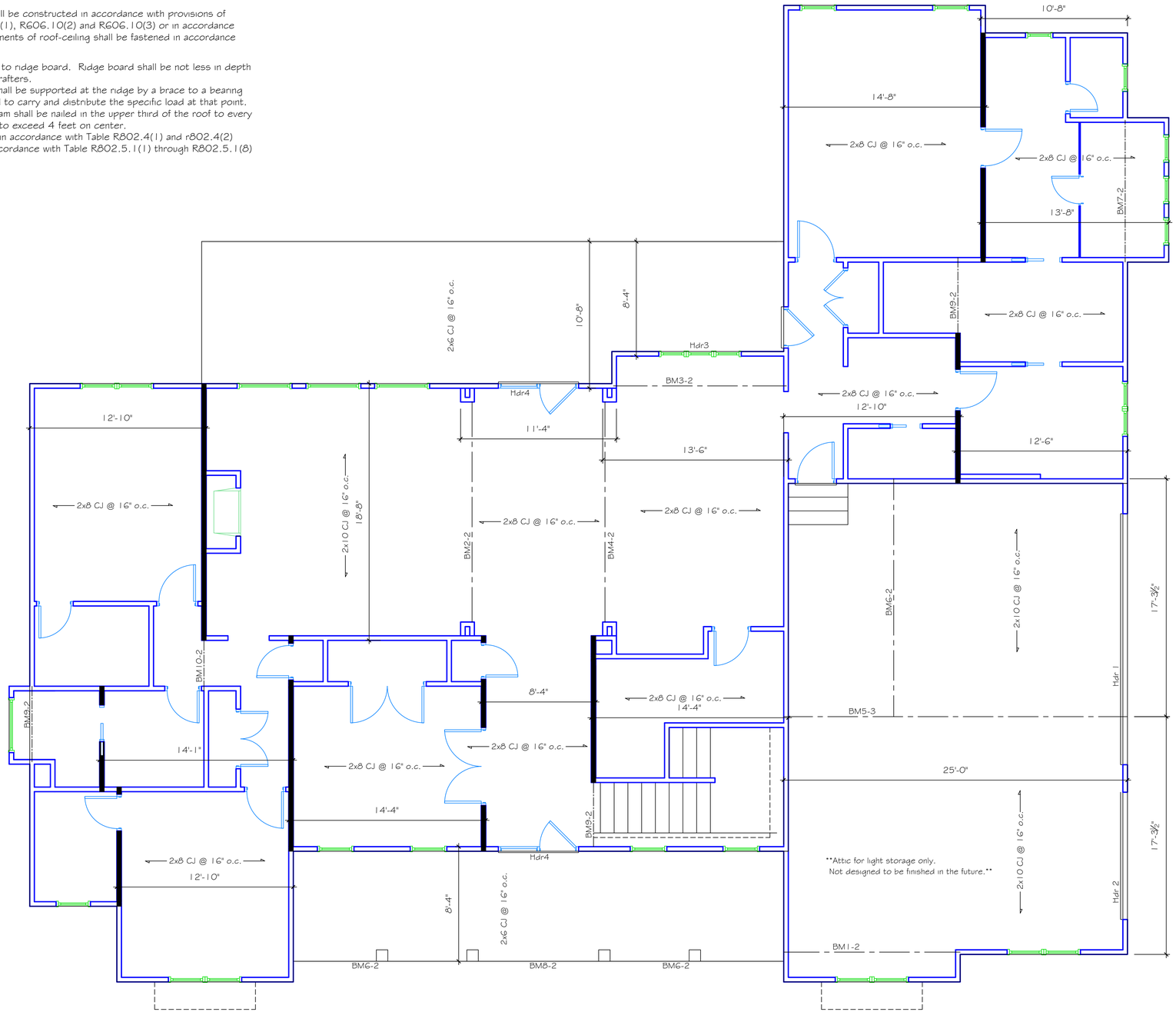
Main Level Floor Plan

PROJECT TABULATIONS

Main Level	2937
Finished Basement (est)	1212
TOTAL HEATED	4149
Garage	873
Covered Back Porch	403
Front Porch	285
Unfinished Basement (est)	TBD

-Roof-ceiling framing shall be constructed in accordance with provisions of Chapter 8 Fig.R606.10(1), R606.10(2) and R606.10(3) or in accordance with AFPA/NDS. Components of roof-ceiling shall be fastened in accordance with Table R602.3(1).

-Rafters shall be framed to ridge board. Ridge board shall be not less in depth than the cut end of the rafters.
-Hip and valley rafters shall be supported at the ridge by a brace to a beamng partition or be designed to carry and distribute the specific load at that point.
-A 1x6 or 2x4 collar beam shall be nailed in the upper third of the roof to every third pair of rafters not to exceed 4 feet on center.
-Ceiling Joist shall span in accordance with Table R802.4(1) and r802.4(2)
-Rafters shall span in accordance with Table R802.5.1(1) through R802.5.1(8)

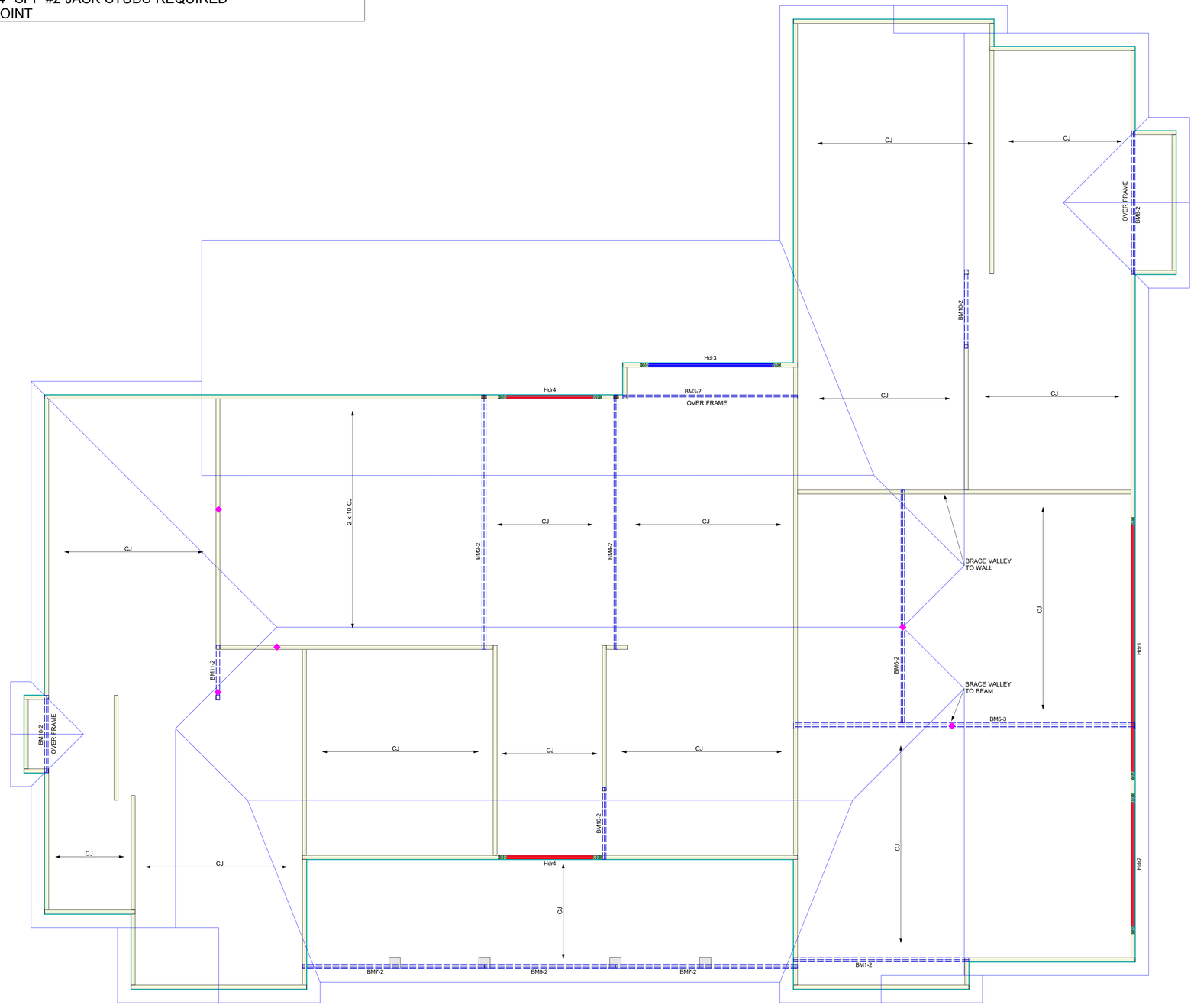


Framing Plan

GENERAL NOTES & DESIGN ASSUMPTIONS

ALL CEILING JOISTS ARE 2x8 SPF #2 @ 16" O.C. (UNO)
ALL RAFTERS ARE 2x8 SPF #2 @ 16" O.C. (UNO)
ALL LOAD HEADERS, NOT SHOWN ON LAYOUT, ARE (2)2x10 SYP #2 (UNO)
ALL 2x4, 2x6 & 2x8 ARE SPF #2 (UNO)
ALL 2x10 & 2x12 JOISTS ARE SYP #2 (UNO)
ALL RIDGES AND HIP RAFTERS ARE 2x10 (UNO)
ALL VALLEY RAFERS ARE 2x12 (UNO)
#J = NUMBER OF 2x4 SPF #2 JACK STUDS REQUIRED
= ROOF BRACE POINT

Joist & Rafter Area Loads	Live Load psf	Dead Load psf
Primary Living	40	10
Secondary & Attic Permanent Stairs	30	10
Ceiling - Limited Storage	20	10
Ceiling - No Storage	10	5
Roof - No Ceiling Load	20	10
Flat Roof or Catherdral w/Drywall Ceiling	20	15



Products				
PlotID	Length	Product	Plies	Net Qty
BM1-2	14' 0"	1-3/4X9-1/4 LP-LVL 2900Fb-2.0E	2	2
BM2-2	20' 0"	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	2	2
BM3-2	14' 0"	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	2	2
BM4-2	20' 0"	1-3/4X14 LP-LVL 2900Fb-2.0E	2	2
BM5-3	26' 0"	1-3/4X18 LP-LVL 2900Fb-2.0E	3	3
BM6-2	18' 0"	2x10 SP No.2	2	2
BM7-2	14' 0"	2x10 SP No.2	2	4
BM8-2	12' 0"	2x10 SP No.2	2	2
BM9-2	10' 0"	2x10 SP No.2	2	2
BM10-2	6' 0"	2x10 SP No.2	2	6
BM11-2	4' 0"	2x10 SP No.2	2	2

Wall Framing				
PlotID	Length	Product	Plies	Net Qty
Hdr2	10' 0"	1-3/4X11-7/8 LP-LVL 2900Fb-2.0E	2	2
Hdr1	20' 0"	1-3/4X18 LP-LVL 2900Fb-2.0E	2	2
Hdr3	10' 0"	2x10 SP No.2	2	2
Hdr4	8' 0"	2x10 SP No.2	2	4

Wall Legend	
	Bearing Wall
	Non-Load Bearing Wall

Boise Cascade
7601 BOEING DRIVE
GREENSBORO, NC 27409
V (336) 884-5454

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Builders FirstSource

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4.) CONTACT BUILDERS FIRSTSOURCE BEFORE MAKING ANY ALTERATIONS OR ADJUSTMENTS...FAILURE TO DO SO MAY RESULT IN COSTLY REPAIRS.

BRAD CUMMINGS CONSTRUCTION

KEANE RESIDENCE

SECOND FLOOR EWP PLACEMENT PLAN

Builders FirstSource, Central Carolina Markets

DATE: 1/11/2023

JOB NUMBER: 3303534

DRAWN BY: MARK BROOKS

SCALE: 1/4" = 1'

MINIMUM DESIGN DATA

LIVE LOAD 40 PSF
DEAD LOAD 10 PSF

TOTAL LOAD 50 PSF

DOL = 100%

DEFLECTION CRITERIA
L/480 (MINIMUM)

ARCHITECTUAL PLAN DATE
xx-xx-xx

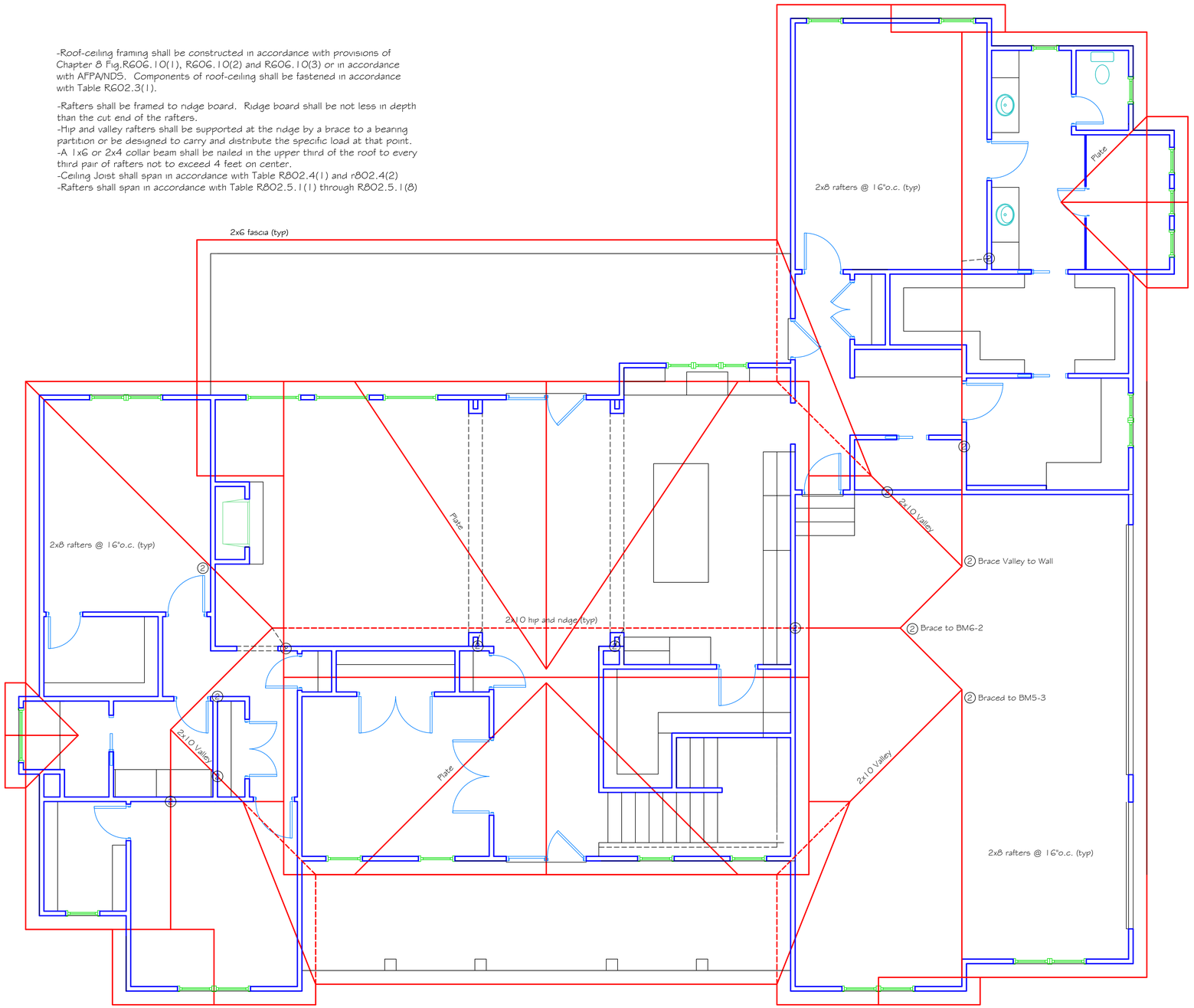
REVISED ARCH. PLAN DATE
xx-xx-xx

xxxxxxx

Sheet
2 OF 2

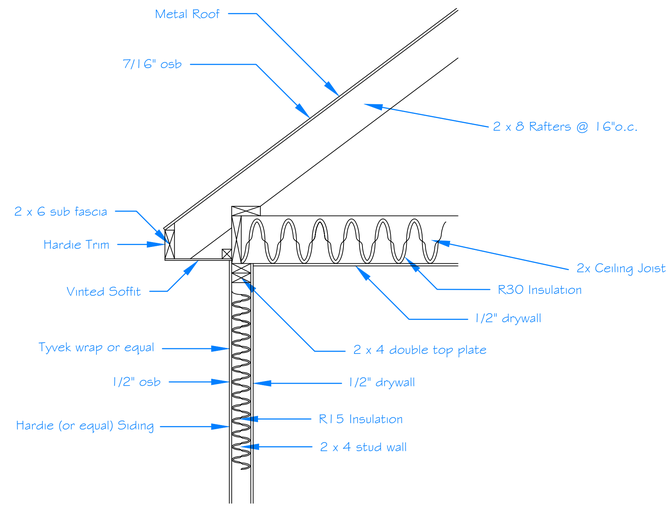
-Roof-ceiling framing shall be constructed in accordance with provisions of Chapter 8 Fig.R606.10(1), R606.10(2) and R606.10(3) or in accordance with AFPA/NDS. Components of roof-ceiling shall be fastened in accordance with Table R602.3(1).

-Rafters shall be framed to ridge board. Ridge board shall be not less in depth than the cut end of the rafters.
-Hip and valley rafters shall be supported at the ridge by a brace to a bearing partition or be designed to carry and distribute the specific load at that point.
-A 1x6 or 2x4 collar beam shall be nailed in the upper third of the roof to every third pair of rafters not to exceed 4 feet on center.
-Ceiling Joist shall span in accordance with Table R802.4(1) and r802.4(2)
-Rafters shall span in accordance with Table R802.5.1(1) through R802.5.1(8)



2 Support Columnt to Load Bearing Point Below. Qty of Studs Required

Roof Framing Plan



ROOF SECTION

-Framing design based on the following loading conditions R301.4)

Attic with Storage	-20psf
Rooms other than sleeping	-40psf
Sleeping Rooms	-30psf
Passenger Vehicle Garages	-50psf
Maximum wind speed	-100mph

Verify seismic requirements for your area.

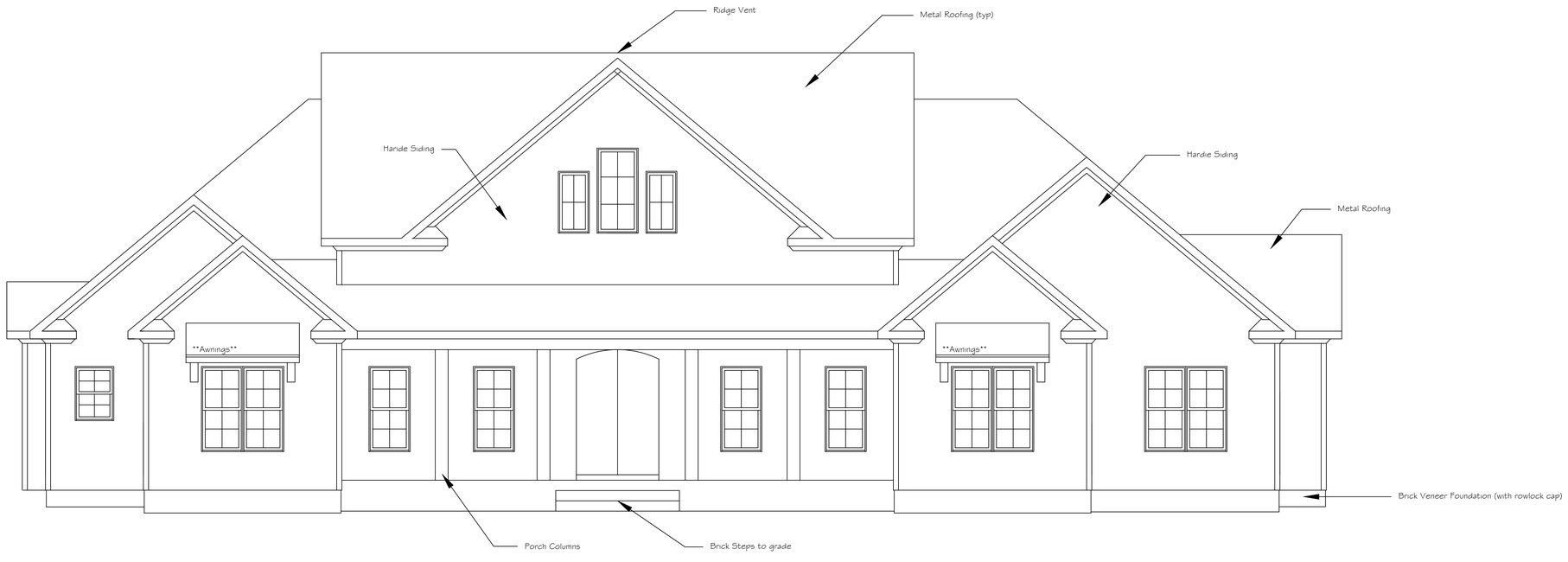
-All ceiling joist, rafters, girders, headers, sills, and beams shall be No.2 S.P.F. unless otherwise noted.

All floor joist are No. 1 SYP

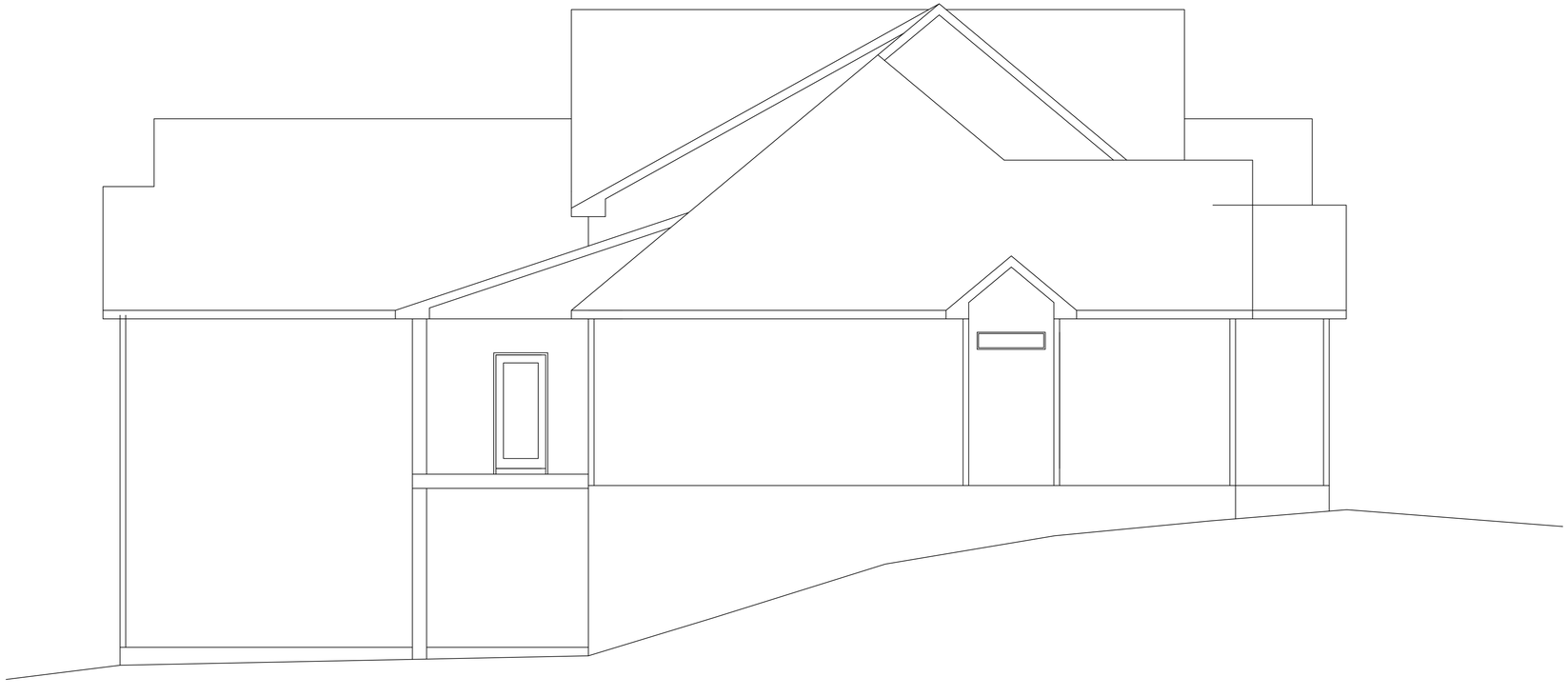
-All load bearing walls shall be No, 2 S.P.F. unless otherwise noted.
-Average dead loads shall not exceed 15 psf for roof/ceiling assemblies or 10 psf for floor assemblies.

Exterior light-frame wood walls	-15psf
Interior light-frame wood walls	-14psf
8-inch thick masonry walls	-80psf
Attics without storage	-10psf

-All girder joist and ends of girders shall rest on solid bearing. Fill cores to footing with concrete.
-Provide pressure treated lumber for sills, plates, bands, and any lumber in contact with masonry.

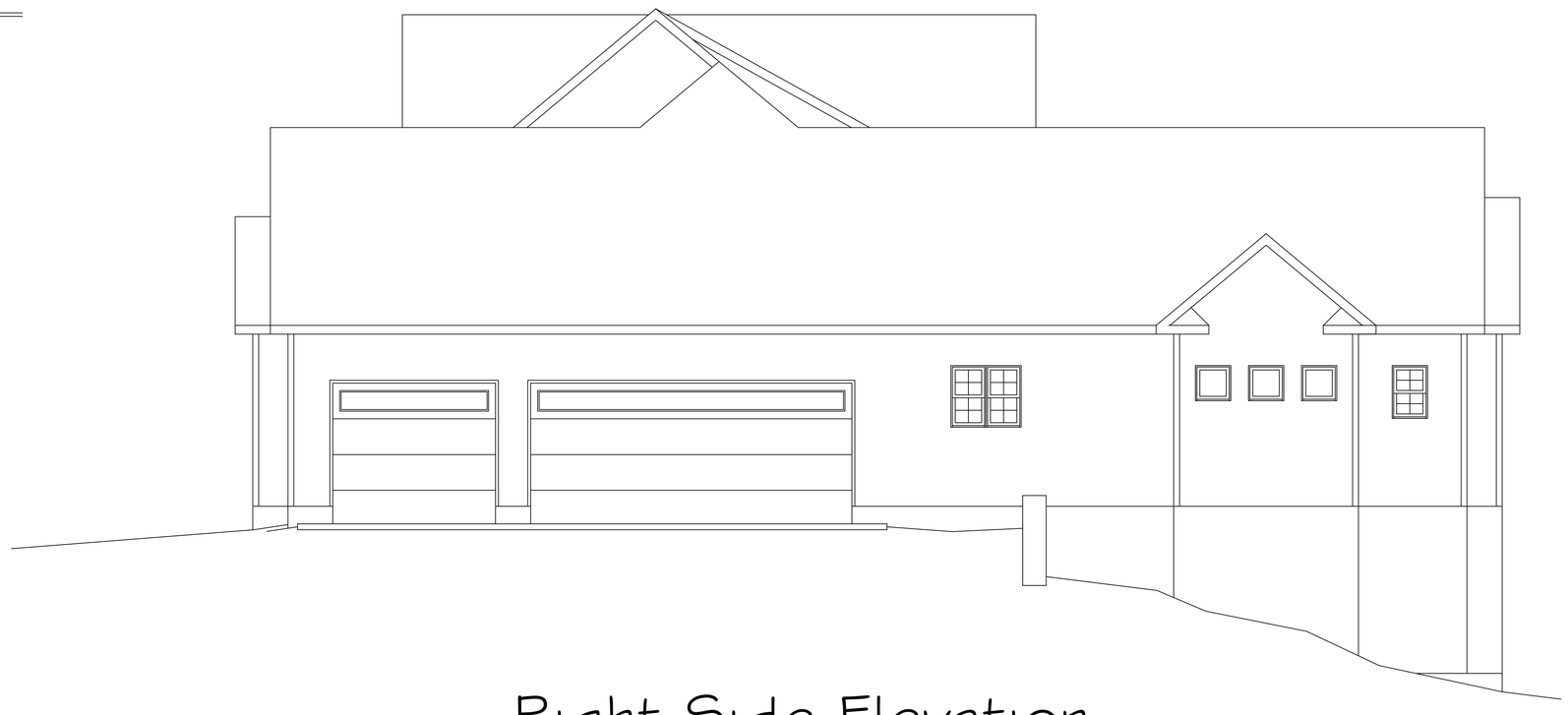


Front Elevation



Left Side Elevation

Rear Elevation



Right Side Elevation

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
Seismisc 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:	$\frac{3}{8}$ 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

1. 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).
2. Auxiliary drain pipe must be four (4) inch diameter perforated, covered with filter fabric and directed to a sump pit or daylight.
3. Builder shall establish the elevation benchmark (if necessary)
4. Builder shall insure proper site access for trucks and crane.

INSTALLATION NOTES

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

DRAWING NOTES

1. All measurements for brick, stone, or support ledges are from Top Of Wall (TOW).
2. 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 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: -

Job Name: Keane

Job Address: ----

Lot #: ----

BUILDER:

Company: Brad Cummings Const

Contact:

Phone/Email: ----

MUNICIPALITY:

Harnett County

----, NC

Superior Walls of North Carolina

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

DRAWING DATA:

Job Number: -
Sales Rep: JOHN COBB

Drawn By: KM

Date Created: Jan. 31, 2022
Date Modified: Nov. 01, 2022
Revision: 3

Pages: 5

Superior Walls® FOUNDATION DRAWING

4' WALLS - TOTAL LENGTH: 39'-3 1/2"
10' WALLS - TOTAL LENGTH: 251'-1 1/2"

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

#	DESCRIPTION
31	BRICK LEDGE TOTALING 264'-2 1/4"
8	SLAB CONNECTOR
44	L.F. OF SHOE BLOCK TOP (24" H x 5" D)

ID	#	OBJECT	DESCRIPTION	WIDTH	HEIGHT	FROM TOP OF WALL	FROM BOT OF WALL	MAX HDR CAPACITY
A	1	DOOR	STYLE 1	38"	83"	33"	4"	5500 PLF
B	1	CUTOUT	SUPPORT CUT	6"	48"			
C	1	CUTOUT	GARAGE CUT	111"	24"			

ID	#	OBJECT	DESCRIPTION	WIDTH	HEIGHT	DEPTH
D	1	BEAM POCKET		8"	14"	6"
E	5	BEAM POCKET		6"	9 1/4"	6"

ID	#	OBJECT	LENGTH	WIDTH	THICKNESS	DESCRIPTION
F	1	FOOTER PAD	36"	36"	4 1/2"	

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

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: _____

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

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	10-05-22	KM
2	10-28-22	BS
3	11-01-22	BS

PROJECT: Keane
BUILDER: Brad Cummings Const

STATUS: ISSUED FOR APPROVAL
SALESMAN: John Cobb
FILENAME: Keane
SHEET TITLE: SUMMARY
SHEET NO. 2 of 5

JOHN COBB
BRAD CUMMINGS CONST

10' Walls
4' Walls

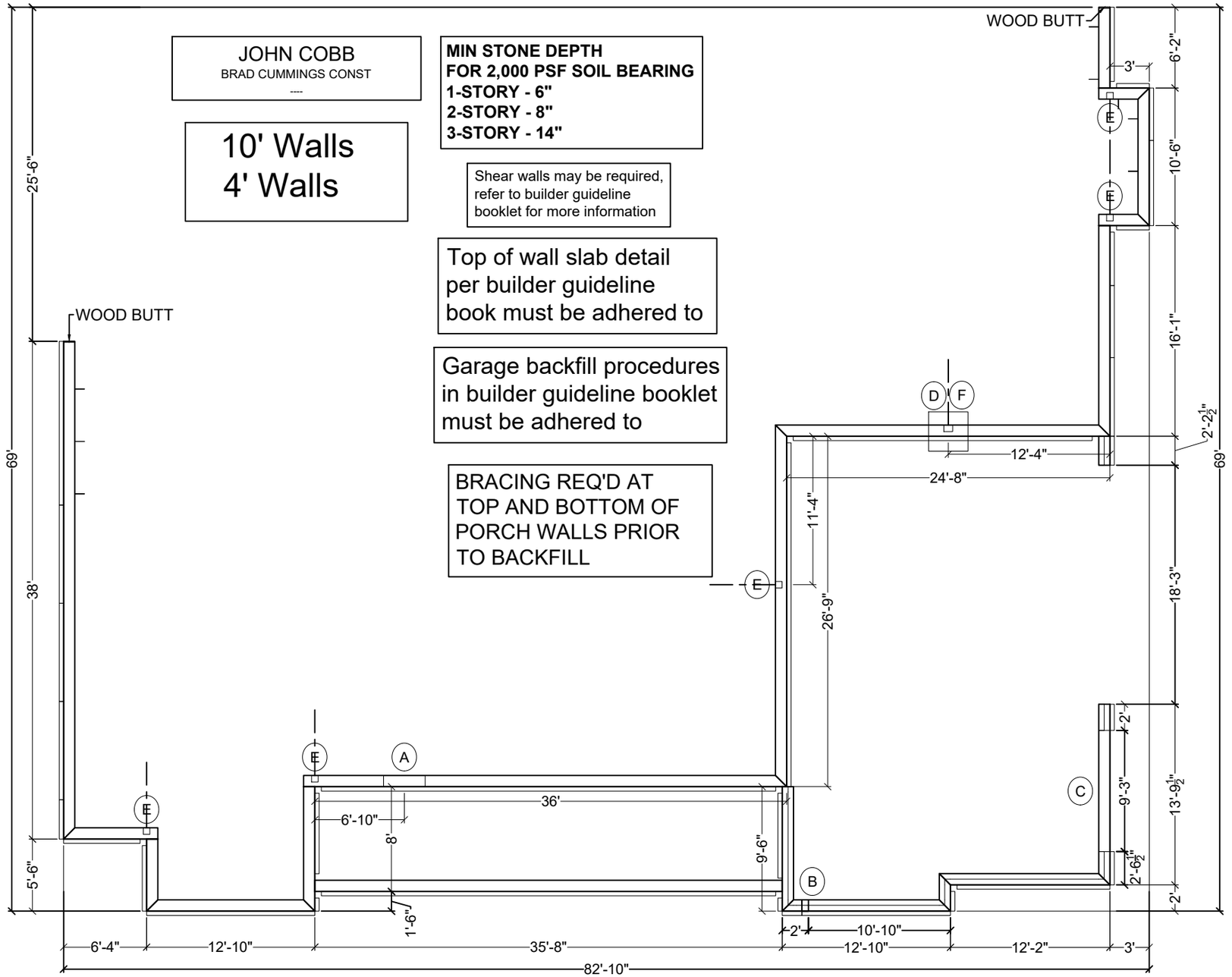
MIN STONE DEPTH
FOR 2,000 PSF SOIL BEARING
1-STORY - 6"
2-STORY - 8"
3-STORY - 14"

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

Garage backfill procedures in builder guideline booklet must be adhered to

BRACING REQ'D AT TOP AND BOTTOM OF PORCH WALLS PRIOR TO BACKFILL



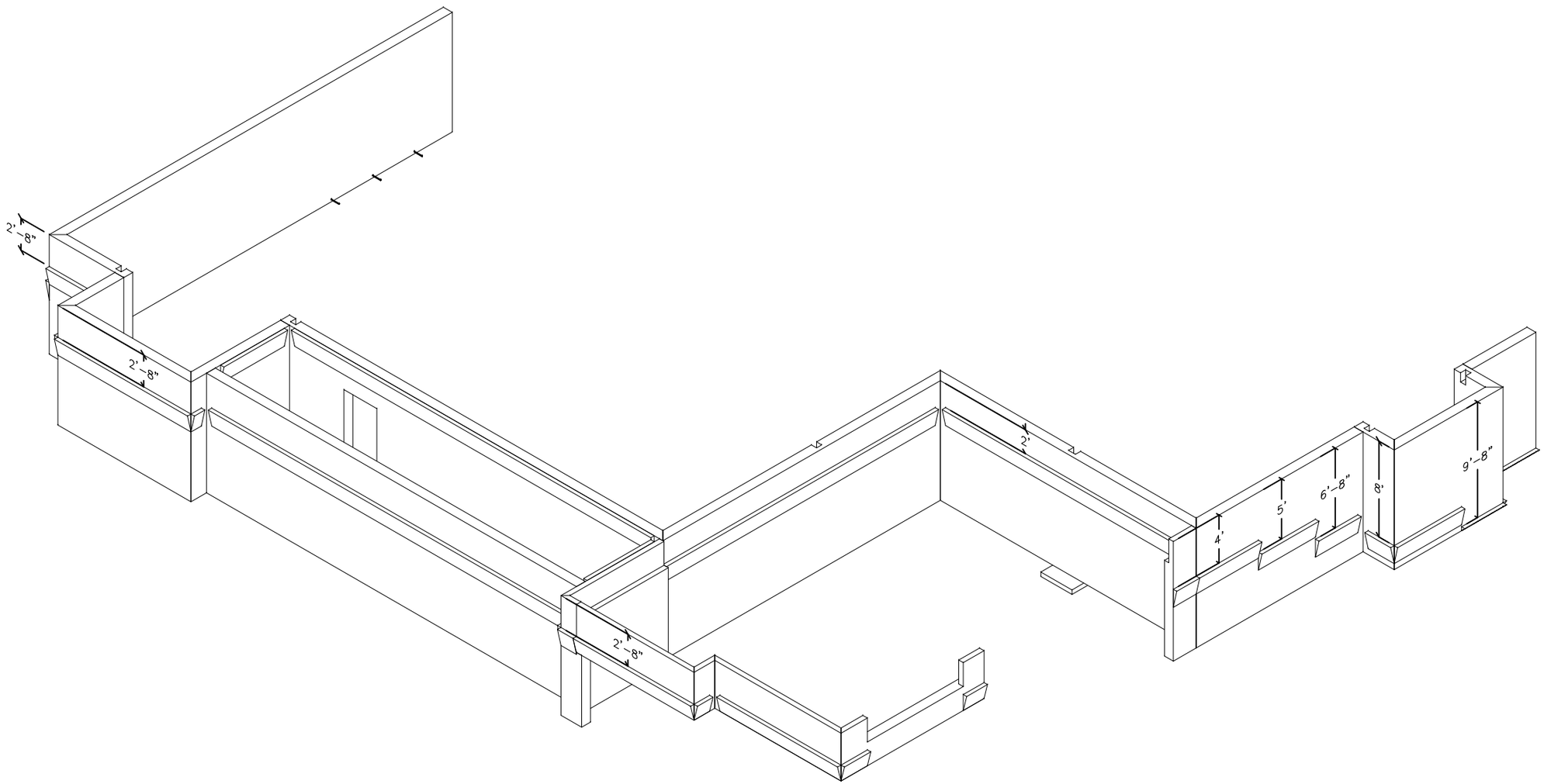
CUSTOMER SIGNATURE: _____ DATE: _____

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	10-05-22	KM
2	10-28-22	BS
3	11-01-22	BS

PROJECT: Keane
BUILDER: Brad Cummings Const

STATUS: ISSUED FOR APPROVAL
SALESMAN: John Cobb
FILENAME: Keane
SHEET TITLE: PLAN W/O DIMS
SHEET NO. 3 of 5



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	10-05-22	KM
2	10-28-22	BS
3	11-01-22	BS

PROJECT: Keane

BUILDER: Brad Cummings Const

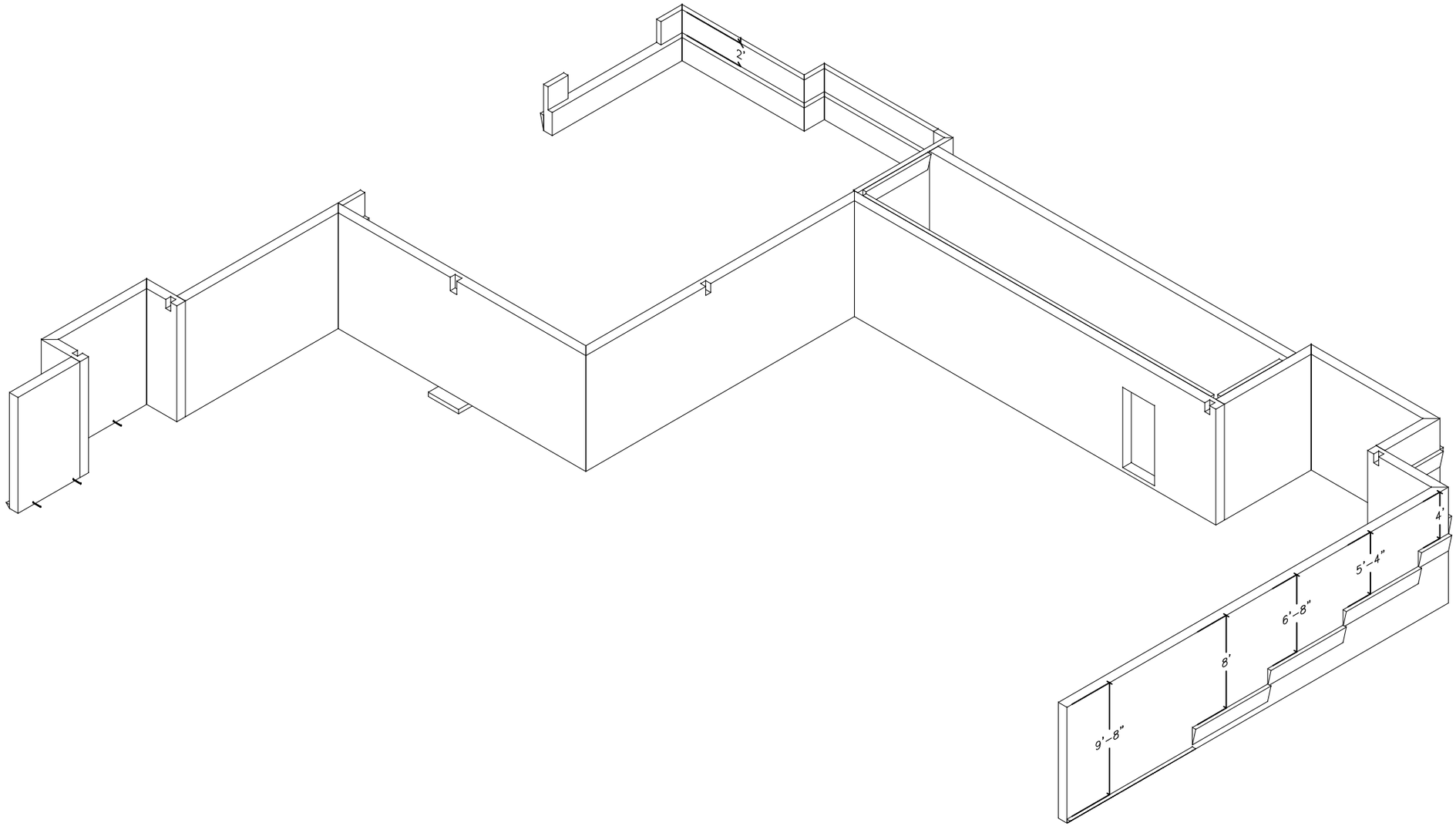
STATUS: ISSUED FOR APPROVAL

SALESMAN: John Cobb

FILENAME: Keane

SHEET TITLE: ISOMETRIC 1

SHEET NO. 4 of 5



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	10-05-22	KM
2	10-28-22	BS
3	11-01-22	BS

PROJECT: Keane

BUILDER: Brad Cummings Const

STATUS: ISSUED FOR APPROVAL

SALESMAN: John Cobb

FILENAME: Keane

SHEET TITLE: ISOMETRIC 2

SHEET NO. 5 of 5