

**GENERAL NOTES:**

1. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL DIMENSIONS, ROOF PITCHES, AND SQUARE FOOTAGE ARE CORRECT PRIOR TO CONSTRUCTION. K&A HOME DESIGNS, INC. IS NOT RESPONSIBLE FOR ANY DIMENSIONING, ROOF PITCH, OR SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
2. ALL WALLS SHOWN ON THE FLOOR PLANS ARE DRAWN AT 4" UNLESS NOTED OTHERWISE.
3. ALL ANGLED WALL SHOWN ON THE PLANS ARE 45 DEGREES UNLESS NOTED OTHERWISE.
4. STUD WALL DESIGN SHALL CONFORM TO ALL NORTH CAROLINA STATE BUILDING CODE REQUIREMENTS.
5. DO NOT SCALE PLANS. DRAWING SCALE MAY BE DISTORTED DUE TO COPIER IMPERFECTIONS.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA STATE BUILDING CODE, 2018 EDITION.

**SQUARE FOOTAGE**

HEATED SQUARE FOOTAGE		UNHEATED SQUARE FOOTAGE	
FIRST FLOOR=	1414	GARAGE=	N/A
SECOND FLOOR=	N/A	FRONT PORCH=	108
THIRD FLOOR=	N/A	SCREEN PORCH=	N/A
BASEMENT=	N/A	DECK=	N/A
		STORAGE=	N/A
<b>TOTAL HEATED=</b>	<b>1414</b>	<b>TOTAL UNHEATED=</b>	<b>108</b>

**CRAWL SPACE VENTILATION CALCULATIONS**

-VENT LOCATIONS MAY VARY FROM THOSE SHOWN ON THE PLAN BUT SHOULD BE PLACED TO PROVIDE ADEQUATE VENTILATION AT ALL POINTS TO PREVENT DEAD AIR POCKETS.

-100% VAPOR BARRIER MUST BE PROVIDED WITH 12" MIN. LAP JOINTS.

-THE TOTAL AREA OF VENTILATION OPENINGS MAY BE REDUCED TO 1/1500 AS LONG AS REQUIRED OPENINGS ARE PLACED SO AS TO PROVIDE CROSS-VENTILATION OF THE SPACE. THE INSTALLATION OF OPERABLE LOUVERS SHALL NOT BE PROHIBITED. (COMPLY WITH NC CODE MIN. WITH REGARD TO VENT PLACEMENT FROM CORNERS)

1414 SQ. FT. OF CRAWL SPACE/1500

.94 SQ. FT. OF REQUIRED VENTILATION

PROVIDED BY: 3 VENTS AT 0.45 SQ. FT. NET FREE

VENTILATION EACH= 1.35 SQ. FT. OF VENTILATION

\*\*FOUNDATION DRAINAGE- WATERPROOFING PER SECTIONS 405 & 406.

**ATTIC VENTILATION CALCULATIONS**

- CALCULATIONS SHOWN BELOW ARE BASED ON VENTILATORS USED AT LEAST 3 FT. ABOVE THE CORNICE VENTS WITH THE BALANCE OF VENTILATION PROVIDED BE EAVE VENTS.

- CATHEDRAL CEILINGS SHALL HAVE A MIN. 1" CLEARANCE BETWEEN THE BOTTOM OF THE ROOF DECK AND THE INSULATION.

1522 SQ. FT. OF ATTIC/300= 5.07

EACH OF INLET AND OUTLET REQUIRED.

**\*WALL AND ROOF CLADDING DESIGN VALUES**

- WALL CLADDING IS DESIGNED FOR A 24.1 SQ. FT. OR GREATER POSITIVE AND NEGATIVE PRESSURE.

- ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE AS FOLLOWS:

45.5 LBS. PER SQ. FT. FOR ROOF PITCHES OF 0/12 TO 2.25/12

34.8 LBS. PER SQ. FT. FOR ROOF PITCHES OF 2.25/12 TO 7/12

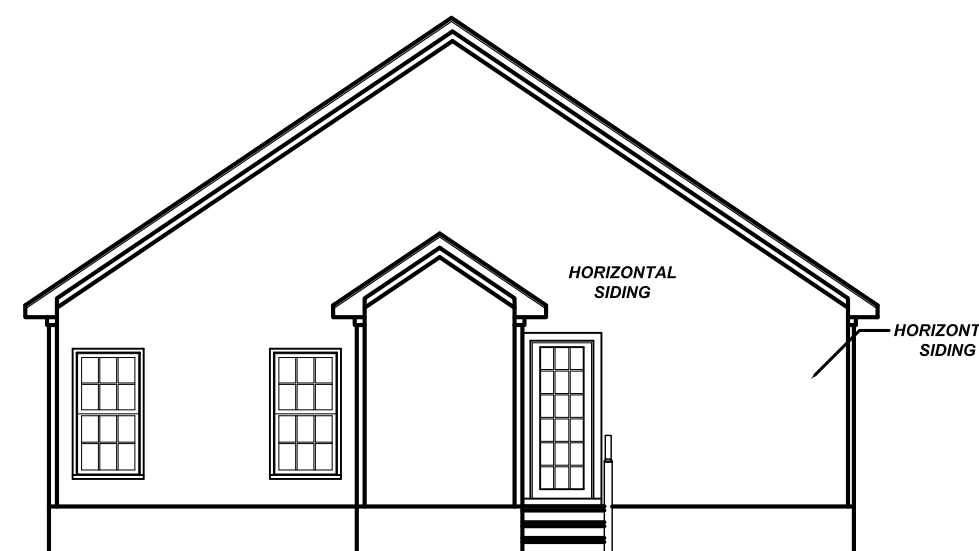
21 LBS. PER SQ. FT. FOR ROOF PITCHES OF 7/12 TO 12/12

\*\* MEAN ROOF HEIGHT 30' OR LESS



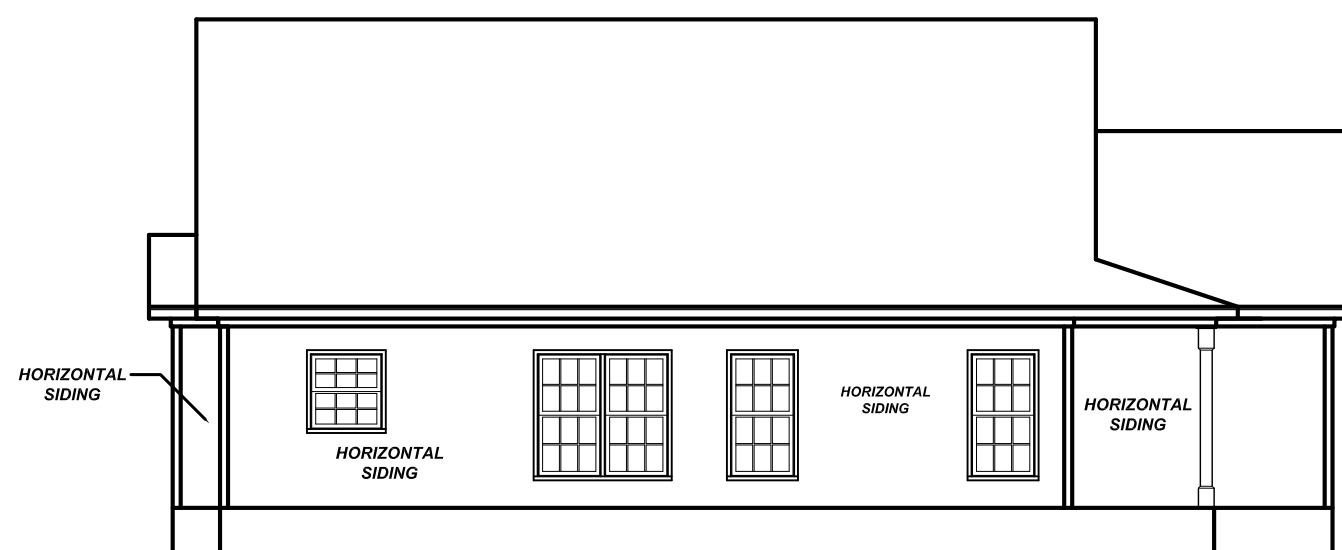
**FRONT ELEVATION**

1/4" = 1'-0"



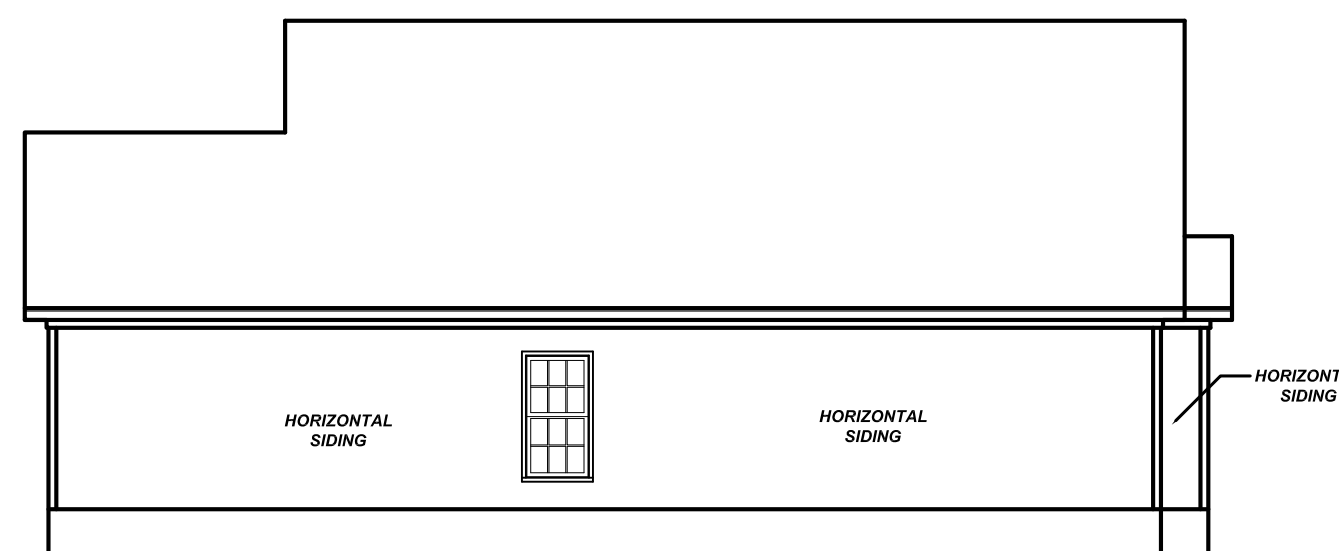
**REAR ELEVATION**

1/8" = 1'-0"



**LEFT ELEVATION**

1/8" = 1'-0"



**RIGHT ELEVATION**

1/8" = 1'-0"

Project #:	19-047
Date:	1-27-21
Drawn/Design By:	KBB
Scale:	REFER TO ELEV.

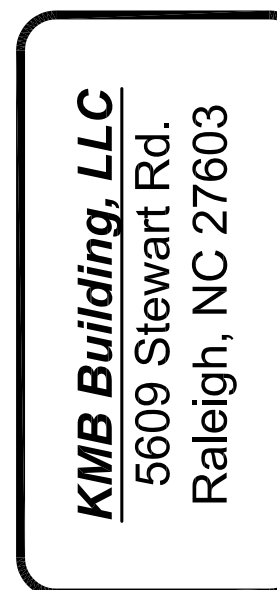
REVISIONS		
No.	Date	Remarks
1		
2		
3		

9101 Ten-Ten Rd.  
Raleigh, NC 27603  
Office: (919) 302-0693



Website: www.KandAHomeDesigns.com

Email: Kent@KandAHomeDesigns.com



ELEVATIONS

Sheet Number	1
	of 4

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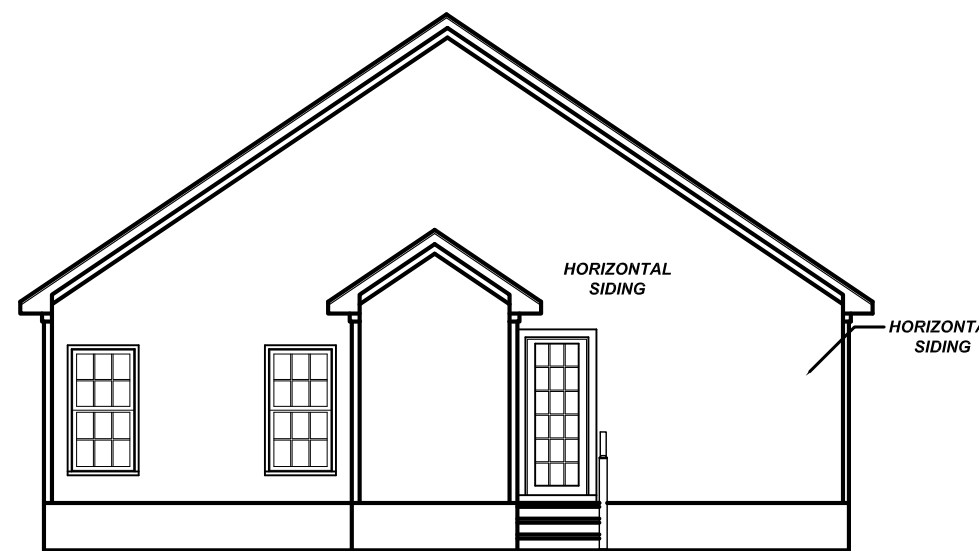
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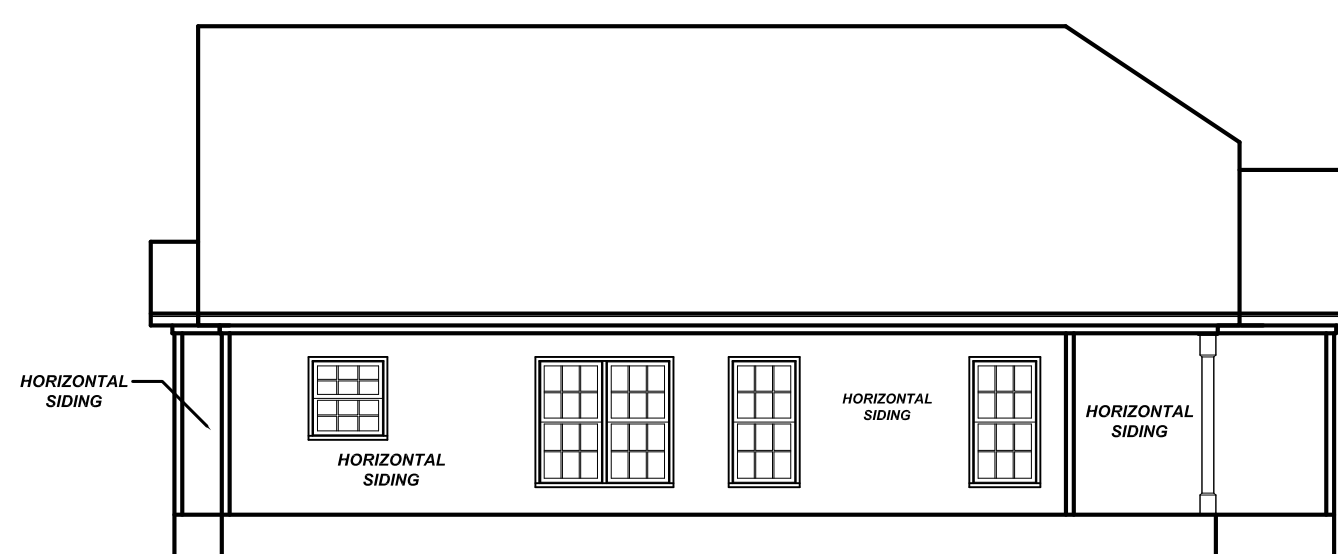
**FRONT ELEVATION 'B'**

1/4" = 1'-0"



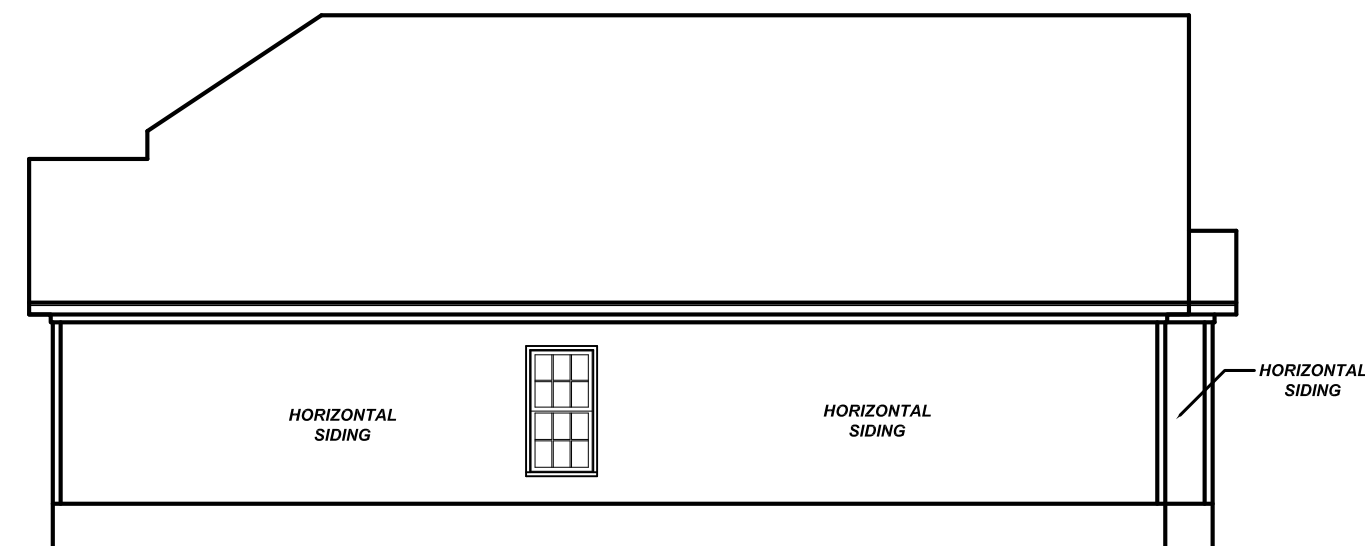
**REAR ELEVATION 'B'**

1/8" = 1'-0"



**LEFT ELEVATION 'B'**

1/8" = 1'-0"



**RIGHT ELEVATION 'B'**

1/8" = 1'-0"

Project #:	19-047
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Drawn/Design By:	KBB
Scale:	REFER TO ELEV.

REVISIONS		
No.	Date	Remarks
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Email: Kent@KandAHomeDesigns.com

**The Cedar  
(Master Right)**

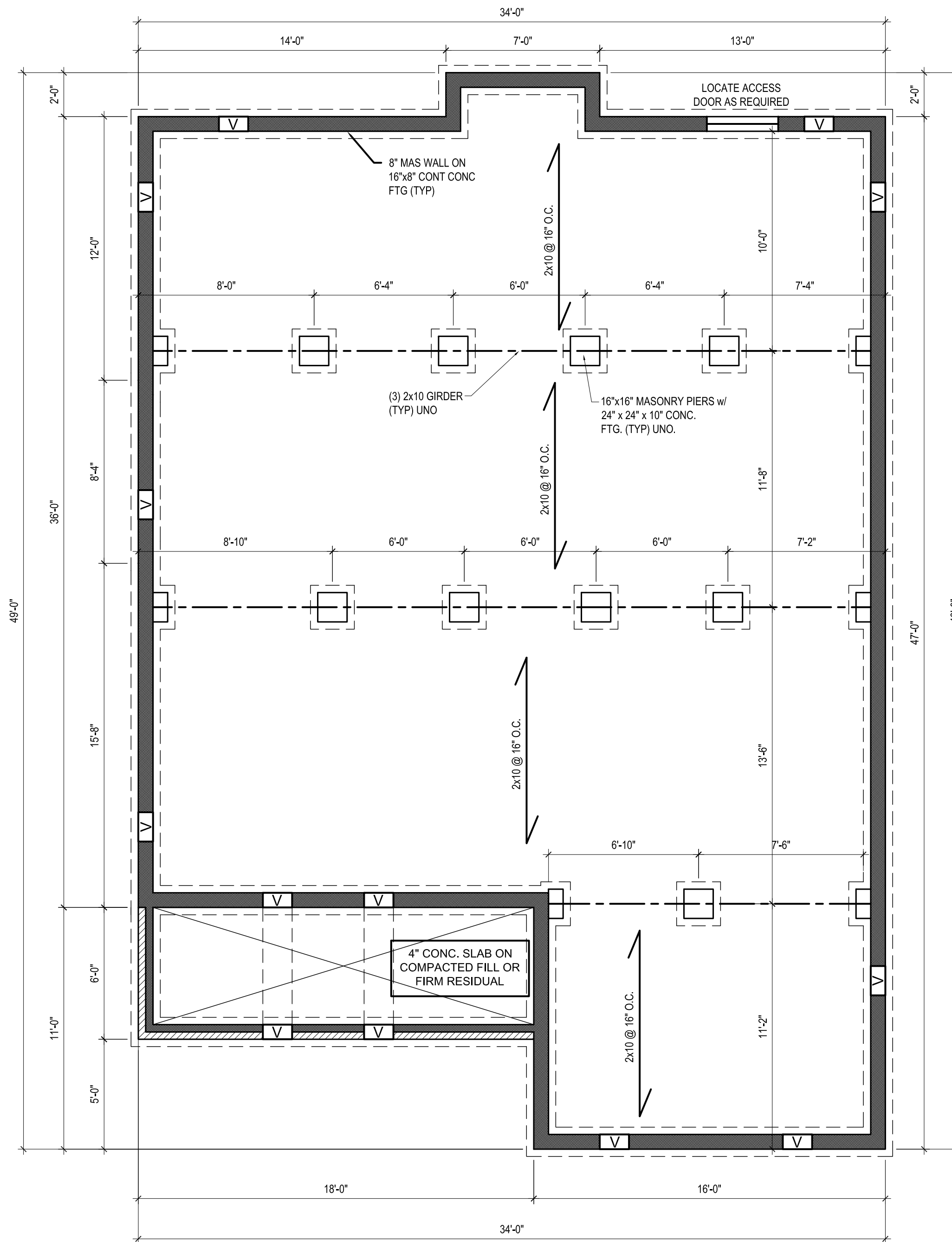
**KMB Building, LLC**  
5609 Stewart Rd.  
Raleigh, NC 27603

ELEVATIONS

Sheet Number

1

of 4



**FOUNDATION PLAN**  
1/4" = 1'-0"



Structural Engineering by:  
**Mark E. Jones, PE**  
6425 Glen Dean Court  
Raleigh, NC 27603  
Phone: (919) 395-5618

\*Engineers seal applies only to structural components on this document. Seal does not include construction means, methods, techniques, sequences, procures or safety precautions.  
\*Any deviations or discrepancies on plans are to be brought to the immediate attention of Mark E. Jones, PE. Failure to do so will void Mark E. Jones, PE liability.  
Structural analysis based on 2018 North Carolina Residential Code.

Project No. 21-144

Project #:	19-047
Date:	1-27-21
Drawn/Design By:	KBB
Scale:	1/4" = 1'-0"

REVISIONS		
No.	Date:	Remarks
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2		
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Raleigh, NC 27603  
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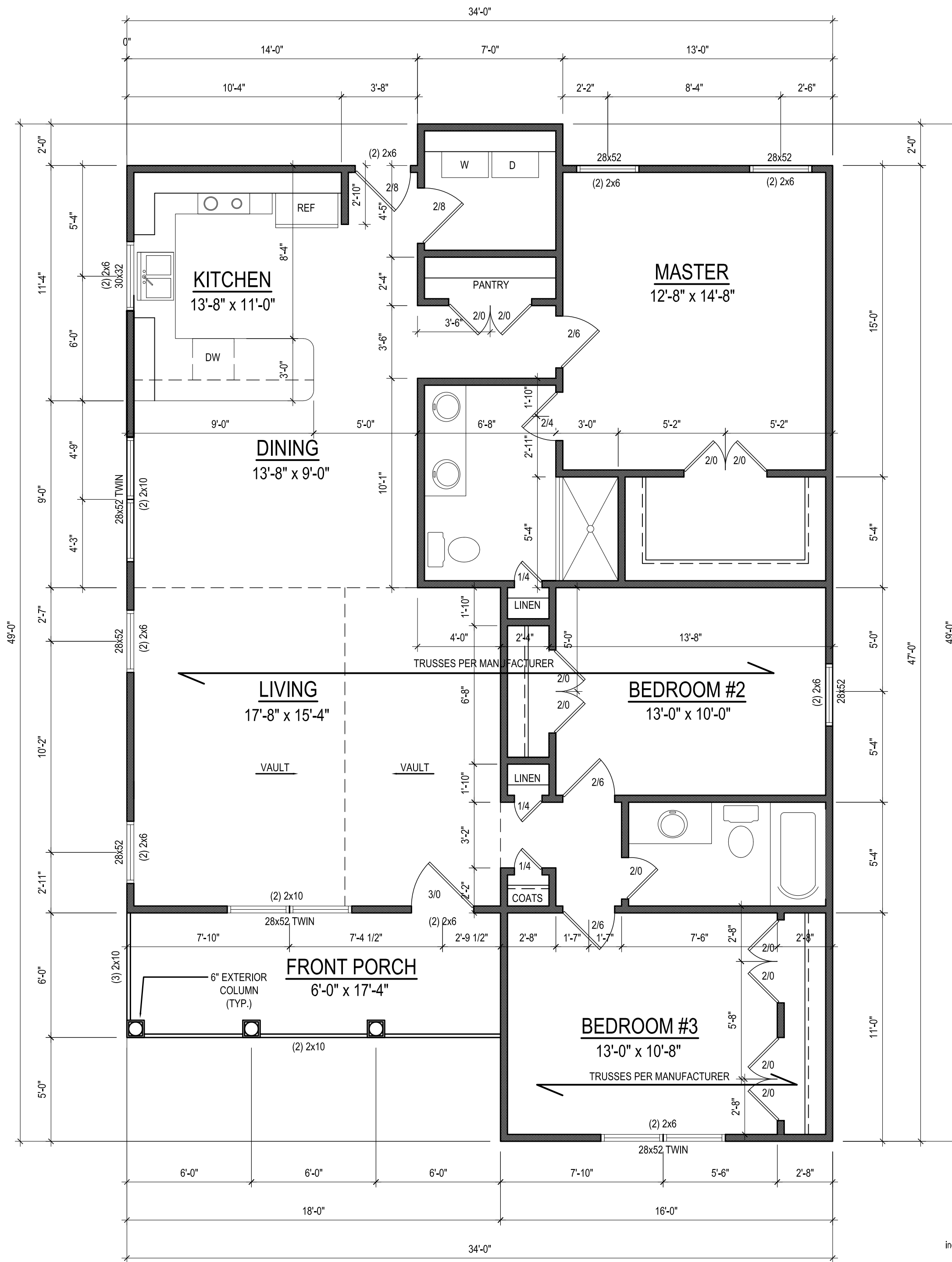
Email: Kent@KandAHomeDesigns.com Website: www.KandAHomeDesigns.com

**The Cedar**  
(Master Right)

**KMB Building, LLC**  
5609 Stewart Rd.  
Raleigh, NC 27603

FOUNDATION

Sheet Number  
**2**  
of 4



**FIRST FLOOR PLAN**  
 1/4" = 1'-0" CEILING HT. = 9'-0"



Structural Engineering by:  
**Mark E. Jones, PE**  
 6425 Glen Dean Court  
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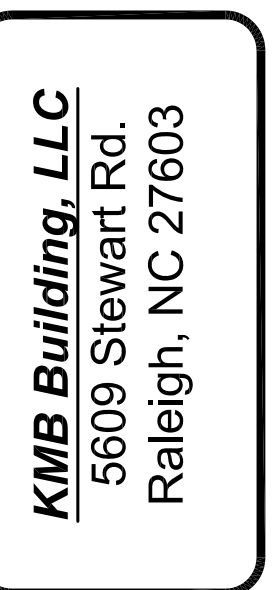
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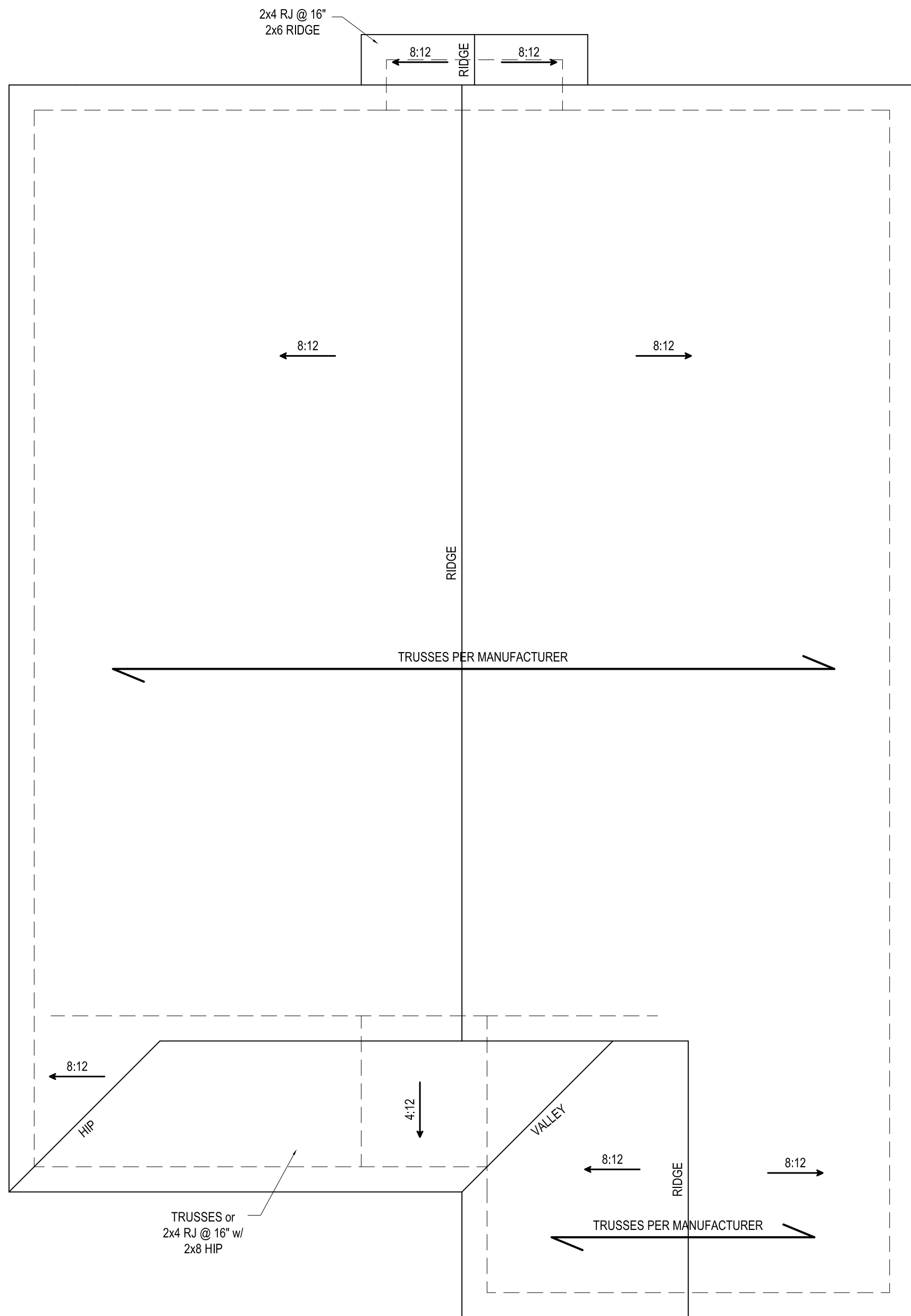


FIRST FLOOR

Sheet Number  
**3**  
 of 4

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Drawn/Design By:	KBB
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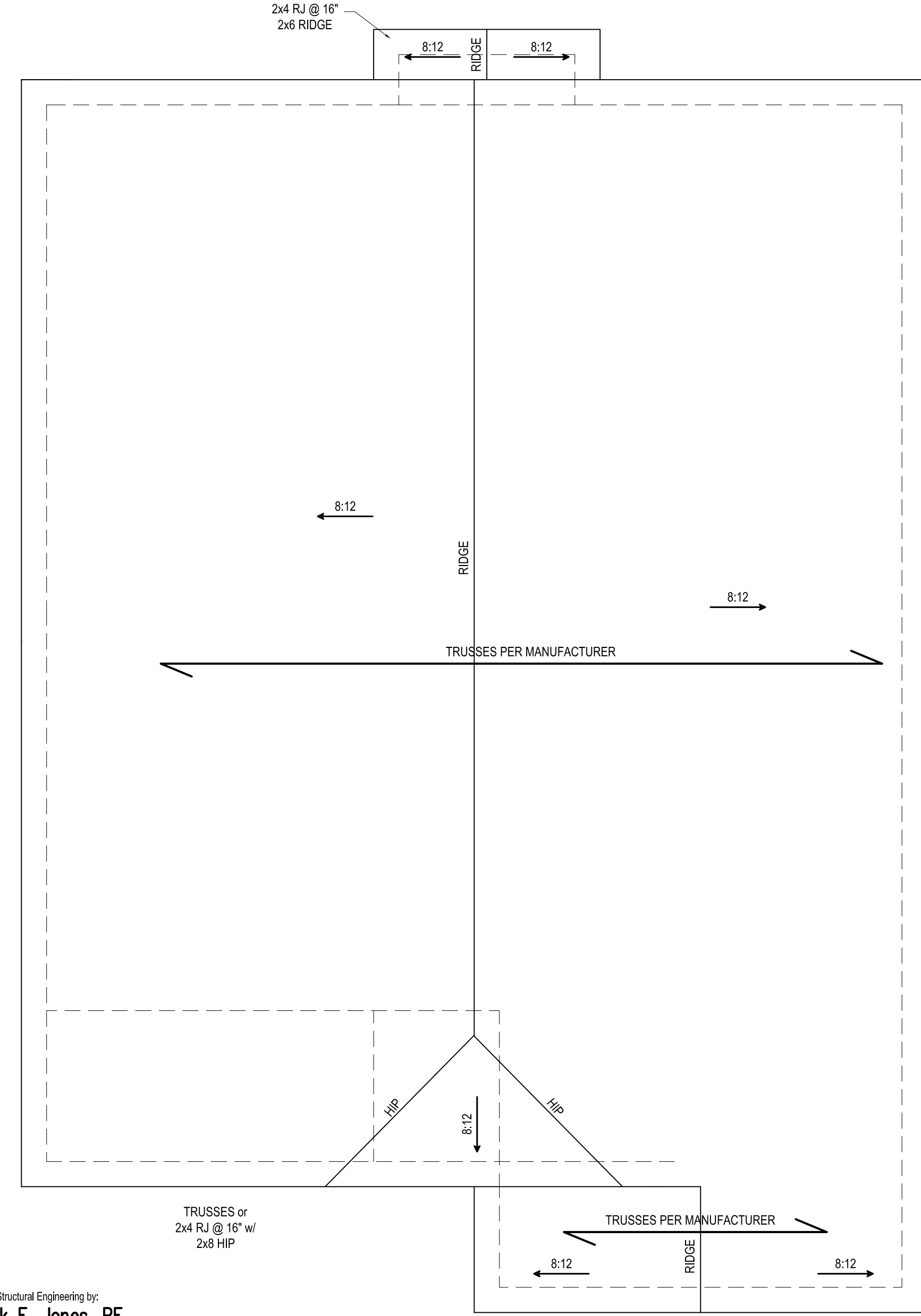
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No.	Date	Remarks
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**ROOF PLAN**  
1/4" = 1'-0"



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**ROOF PLAN ELEV. 'B'**  
1/4" = 1'-0"

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ROOF LAYOUT

Sheet Number

4

of 4