



FRONT ELEVATION 'B'
1/4" = 1'-0"

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)

1253 SQ. FT. OF CRAWL SPACE/1500

0.84 SQ. FT. OF REQUIRED VENTILATION

PROVIDED BY: 4 VENTS AT 0.45 SQ. FT. NET FREE

VENTILATION EACH= 1.8 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 BY EAVE VENTS.

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

1651 SQ. FT. OF ATTIC/300= 5.50

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

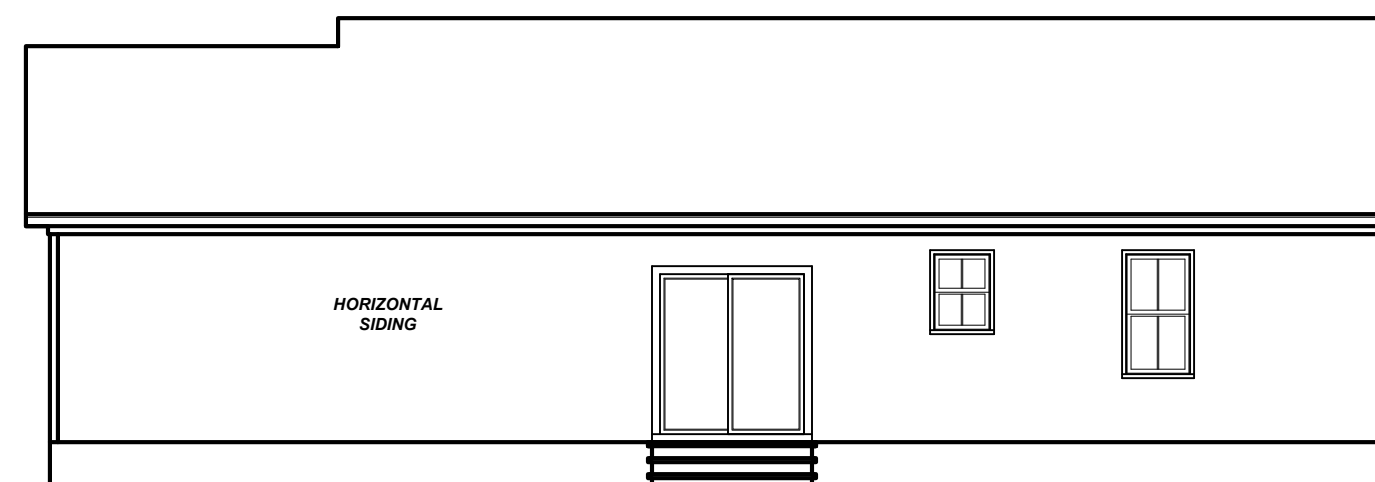
**** MEAN ROOF HEIGHT 30' OR LESS**

GENERAL NOTES:

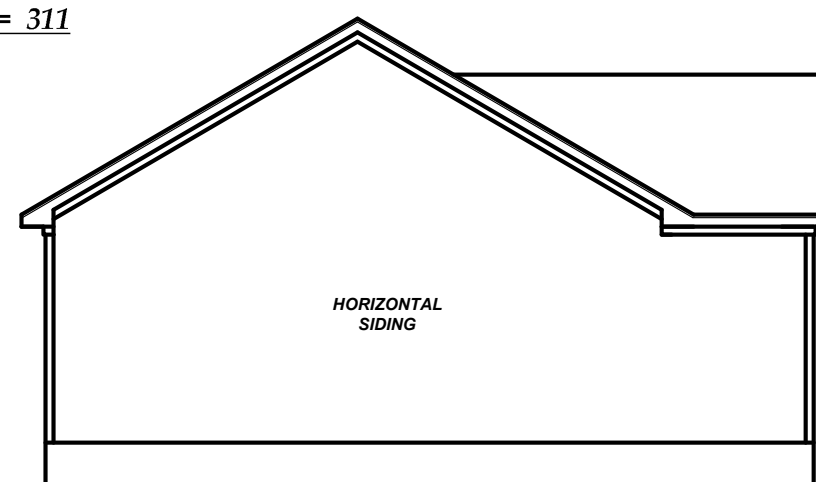
1. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT ALL DIMENSIONS, ROOF PITCHES, AND SQUARE FOOTAGE ARE CORRECT PRIOR TO CONSTRUCTION. K&A HOME DESIGNS, INC. IS NOT RESPONSIBLE FOR ANY DIMENSIONING, ROOF PITCH, OR SQUARE FOOTAGE ERRORS ONCE CONSTRUCTION BEGINS.
2. ALL WALLS SHOWN ON THE FLOOR PLANS 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 RESIDENTIAL STATE BUILDING CODE, 2018 EDITION.

SQUARE FOOTAGE

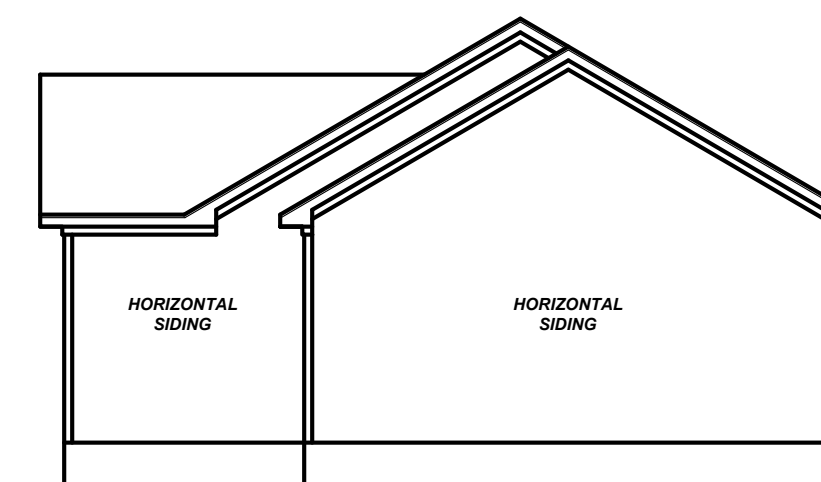
<u>HEATED SQUARE FOOTAGE</u>		<u>UNHEATED SQUARE FOOTAGE</u>	
FIRST FLOOR=	1253	GARAGE=	286
SECOND FLOOR=	N/A	FRONT PORCH=	25
THIRD FLOOR=	N/A	SCREEN PORCH=	N/A
BASEMENT=	N/A	DECK=	N/A
		STORAGE=	N/A
TOTAL HEATED=	1253	TOTAL UNHEATED=	311



REAR ELEVATION 'B'
1/8" = 1'-0"



LEFT ELEVATION 'B'
1/8" = 1'-0"



RIGHT ELEVATION 'B'
1/8" = 1'-0"

Project #:	23-281
Date:	8-11-23
Drawn/Design By:	KBB
Scale:	REFER TO ELEV.

REVISIONS		
No.	Date:	Remarks
1		
2		
3		
4		

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



1253
Single Car

Signature Homes
1209 N Main Street
Lillington, NC 27546

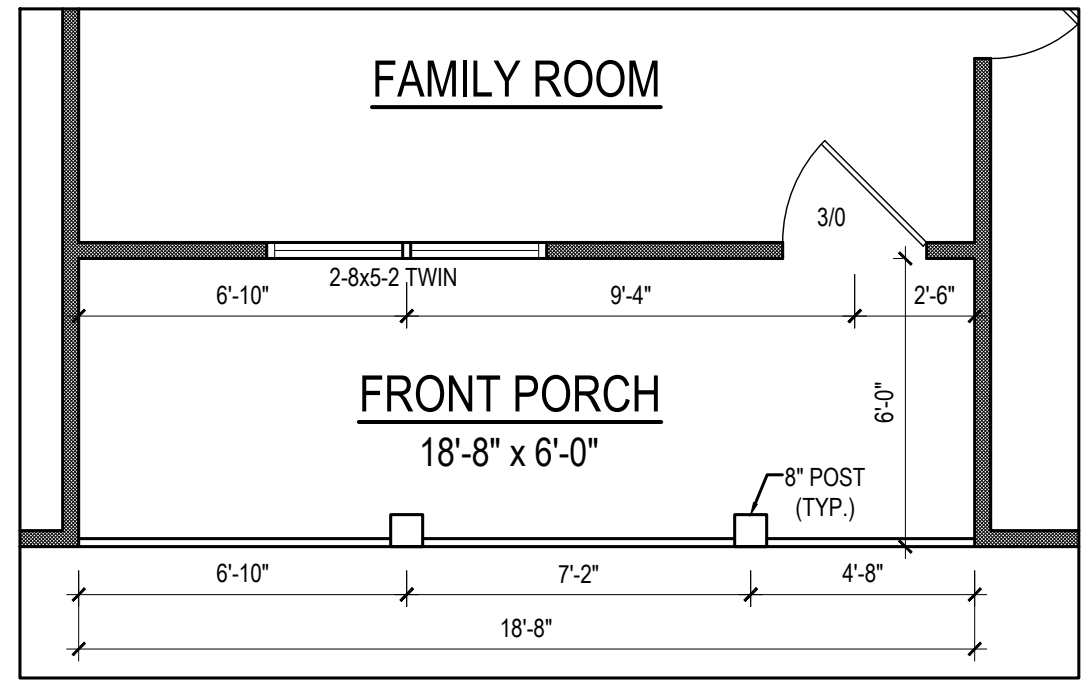
ELEVATIONS

Sheet Number
1
of 2

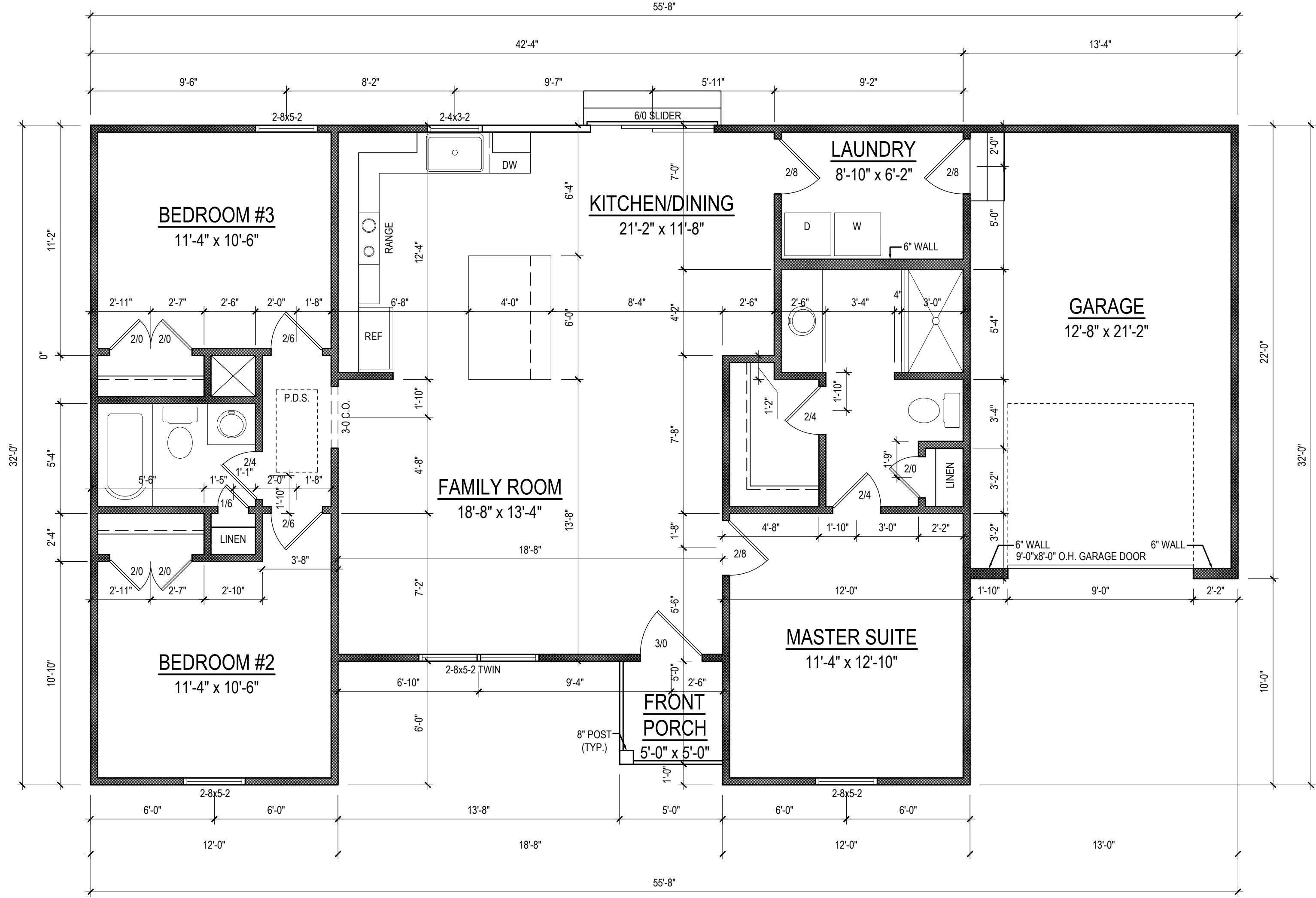
Email: Kent@KandAHomeDesigns.com Website: www.KandAHomeDesigns.com

Project #	23-281
Date:	8-11-23
Drawn/Design By:	KBB
Scale:	1/4" = 1'-0"

REVISIONS		
No.	Date:	Remarks
1		
2		
3		
4		



FIRST FLOOR PLAN
ELEV. 'B', 'C', & 'D'
 1/4" = 1'-0" CEILING HT. = 9'-0"
 THIS OPTION ADDS 112SF



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

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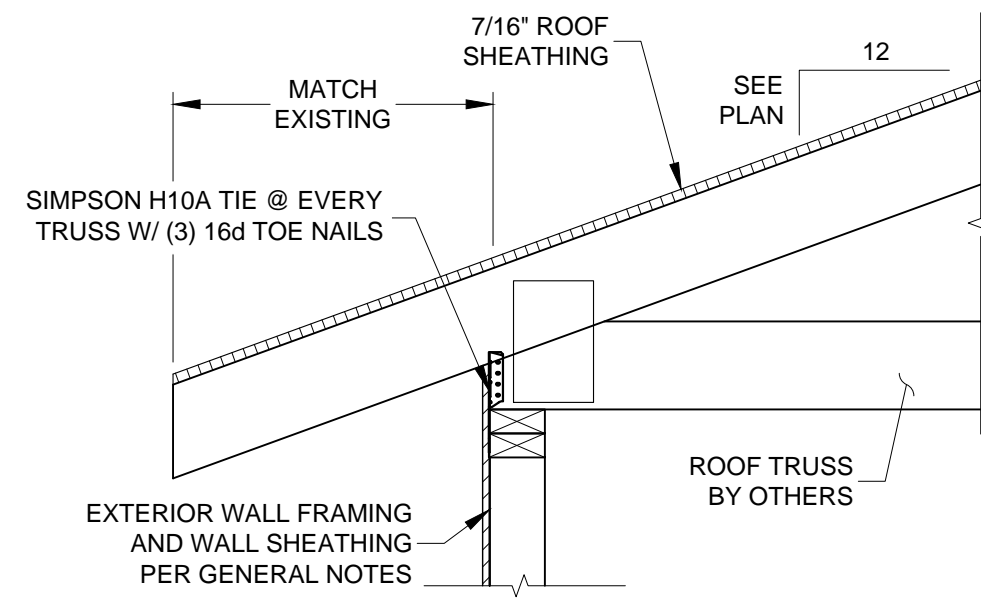
Email: Kent@KandAHomeDesigns.com Website: www.KandAHomeDesigns.com

1253
Single Car

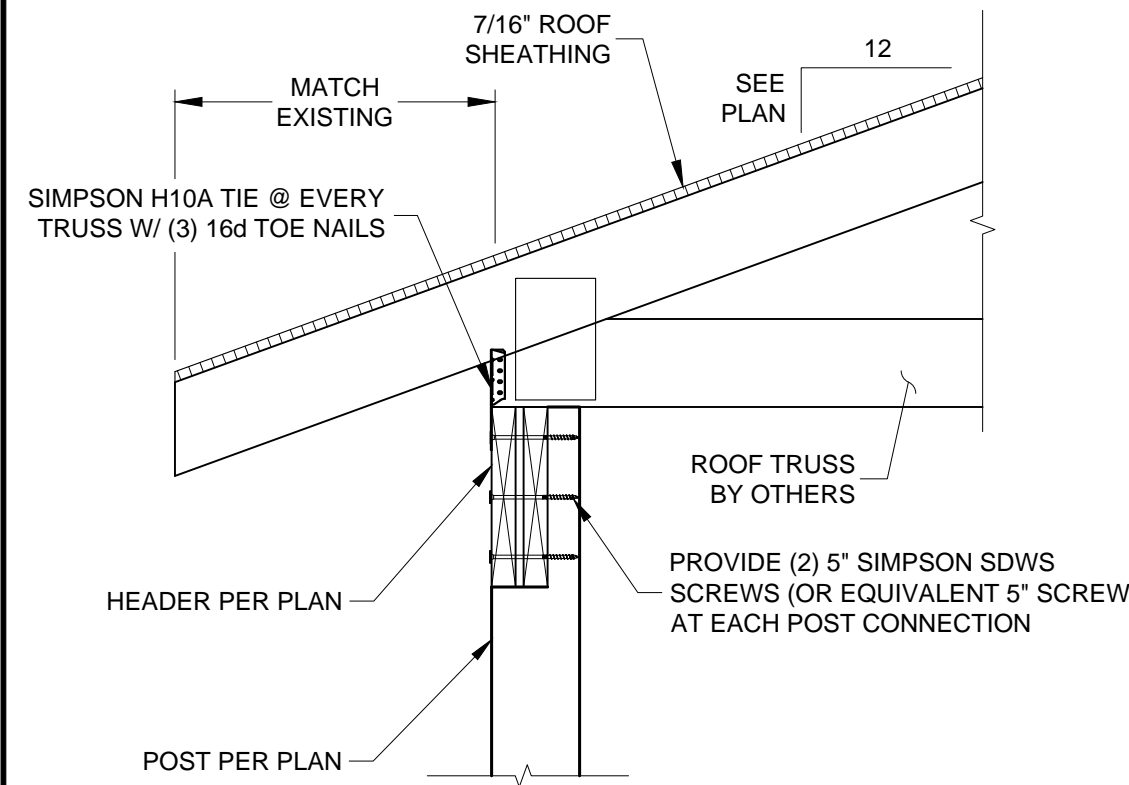
Signature Homes
 1209 N Main Street
 Lillington, NC 27546

FLOOR PLAN

Sheet Number
2
 of 2



1 TYP. TRUSS AT PERIMETER WALL
SCALE: N.T.S.

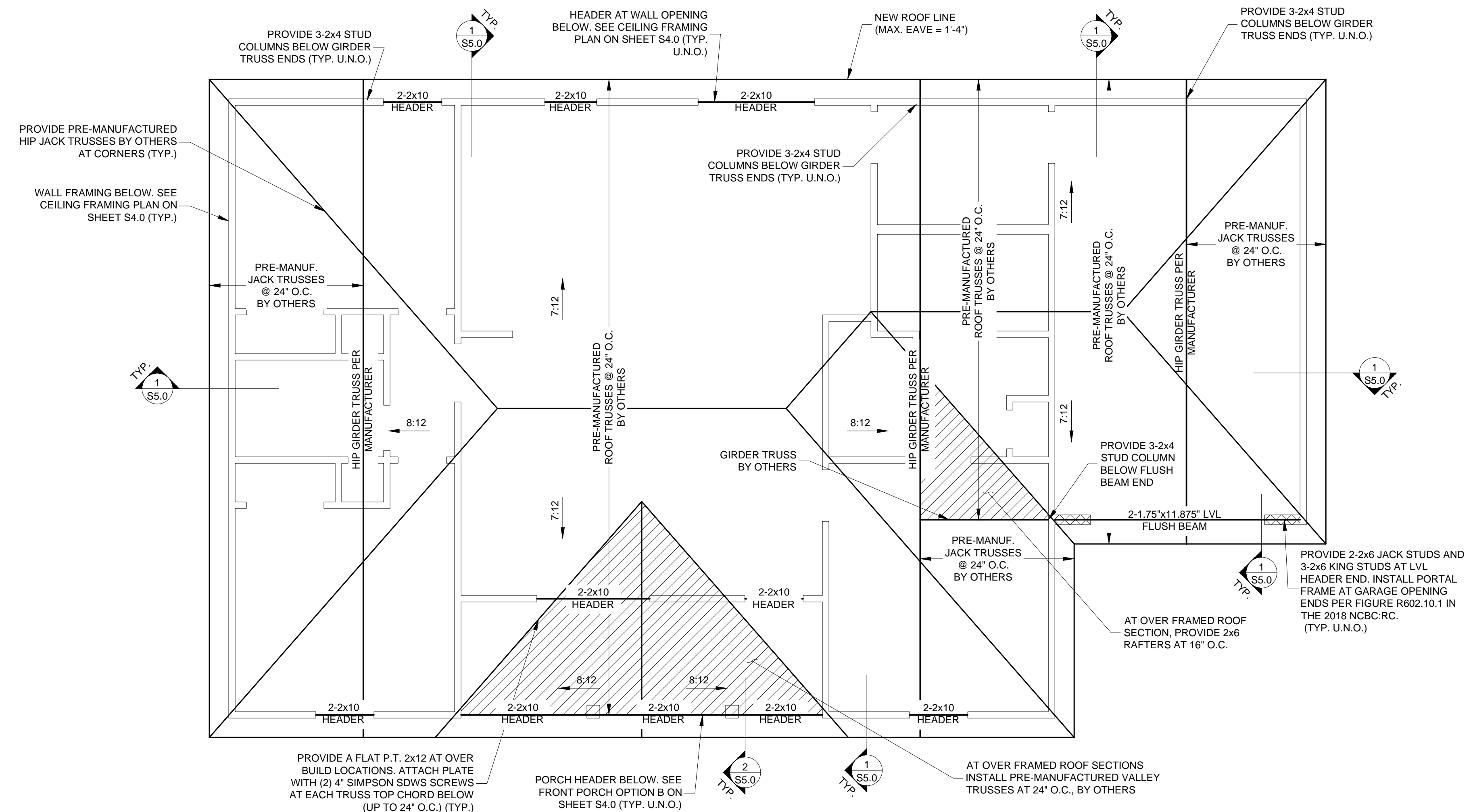


2 TYP. RAFTER CONNECTIONS
SCALE: N.T.S.

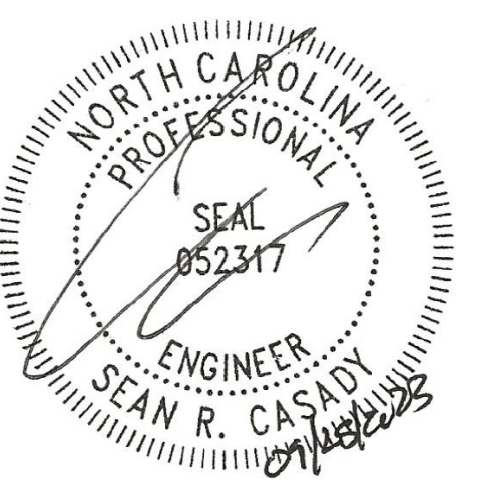
JACK STUD SCHEDULE (U.N.O.)

OPENING < 4'-0"	1
OPENING < 6'-0"	2
OPENING < 12'-0" OR LVL BEAMS	3

NOTE: PROVIDE KING STUDS AT NEW EXTERIOR OPENINGS PER 2018 NCBC:RC TABLE R602.3(5) SUBNOTE 1d. ONE HALF OF THE STUDS INTERRUPTED BY A WALL OPENING SHALL BE PLACED IMMEDIATELY OUTSIDE THE JACK STUDS ON EACH SIDE OF THE OPENING AS KING STUDS ... KING STUDS SHALL EXTEND FULL HEIGHT FROM SOLE PLATE TO TOP PLATE OF WALL.



ROOF FRAMING PLAN B
SCALE: 1/4" = 1'-0"



BUILT UP
ENGINEERS
7283 NC HWY 42 W STE: 102-148 RALEIGH, NC 27604
P: 919-817-9915
NC LICENSE NO. P-2664

1253 SINGLE CAR (GARAGE RIGHT)
STRUCTURAL PLANS
K&A HOME DESIGNS
126 MICRO TOWER RD.
LILLINGTON, NC

REVISIONS

NO.	DATE	DESCRIPTION
0	09.25.2023	FOR CONSTRUCTION

SCALE: AS SHOWN
REVIEWED BY: SRC
DRAWN BY: SRC
DATE: SEPTEMBER 25, 2023

S5.0

