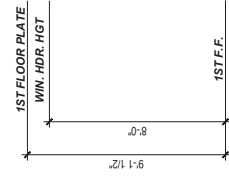


Block Parged Stemwall Foundation



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)

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

1.651	SQ. FT. OF ATTIC/500*
5.50	SQ. FT. OF REQUIRED VENTILATION

***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

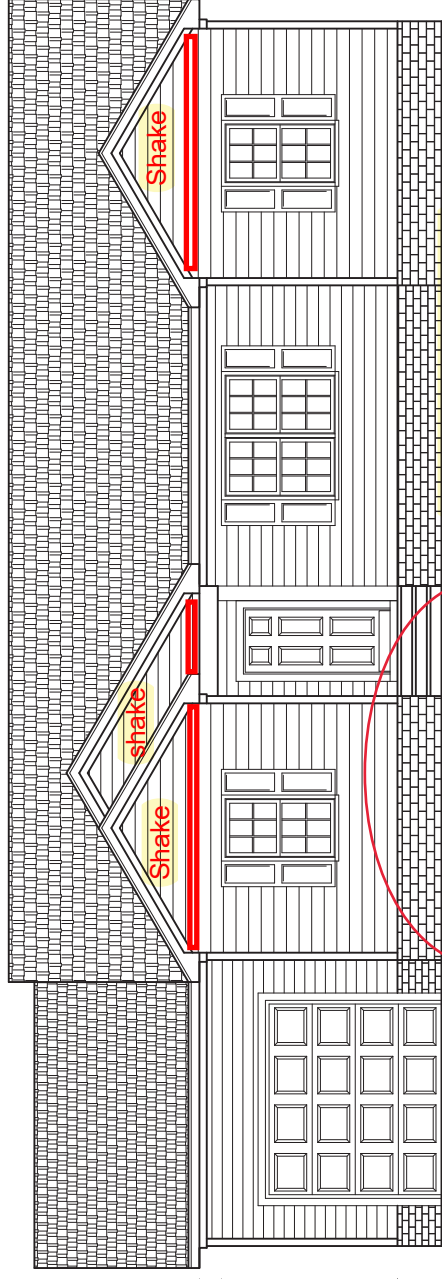
GENERAL NOTES:

- 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.
- ALL WALLS SHOWN ON THE FLOOR PLANS ARE DRAWN AT 4" UNLESS NOTED OTHERWISE.
- ALL ANGLED WALL SHOWN ON THE PLANS ARE 45 DEGREES UNLESS NOTED OTHERWISE.
- STUD WALL DESIGN SHALL CONFORM TO ALL NORTH CAROLINA STATE BUILDING CODE REQUIREMENTS.
- DO NOT SCALE PLANS. DRAWING SCALE MAY BE DISTORTED DUE TO COPIER IMPERFECTIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH NORTH CAROLINA RESIDENTIAL STATE BUILDING CODE, 2018 EDITION.

SQUARE FOOTAGE

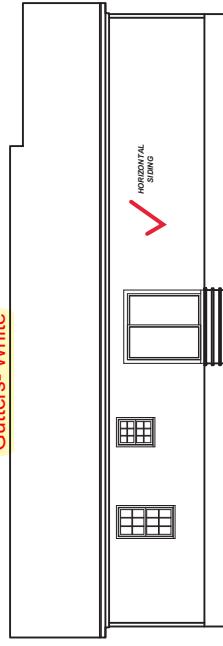
HEATED SQUARE FOOTAGE	UNHEATED SQUARE FOOTAGE
FIRST FLOOR= 1253	GARAGE= 286
SECOND FLOOR= N/A	FRONT PORCH= 25
THIRD FLOOR= N/A	SCREEN PORCH= N/A
BASEMENT= N/A	DECK= N/A
	STORAGE= N/A

TOTAL HEATED= 1253 TOTAL UNHEATED= N/A



FRONT ELEVATION 'A'

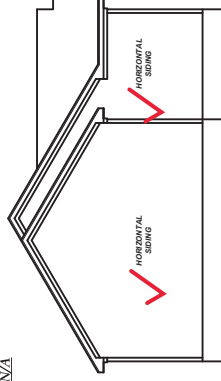
1/4" = 1'-0"



REAR ELEVATION 'A'

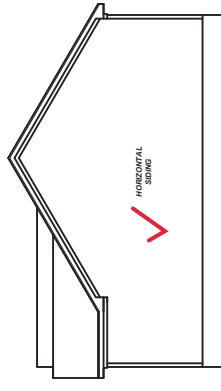
1/8" = 1'-0"

Rear Door- 6' Vinyl Slider



LEFT ELEVATION 'A'

1/8" = 1'-0"



RIGHT ELEVATION 'A'

1/8" = 1'-0"

23-281
DATE
BY
DATE
BY
DATE
BY

NO.	DATE	REVISIONS
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

NO. 23-281
DATE 01.23
DESIGNED BY KBB
CHECKED BY KBB
SCALE 1/4"=1'-0"

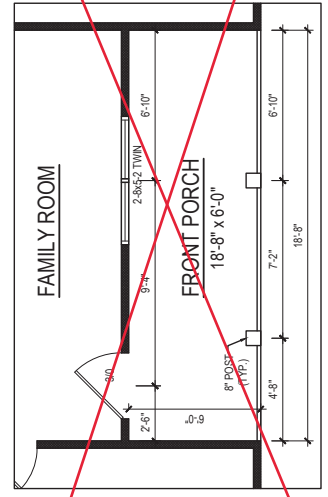
REVISIONS	
No.	Desc.

1253
Single Car

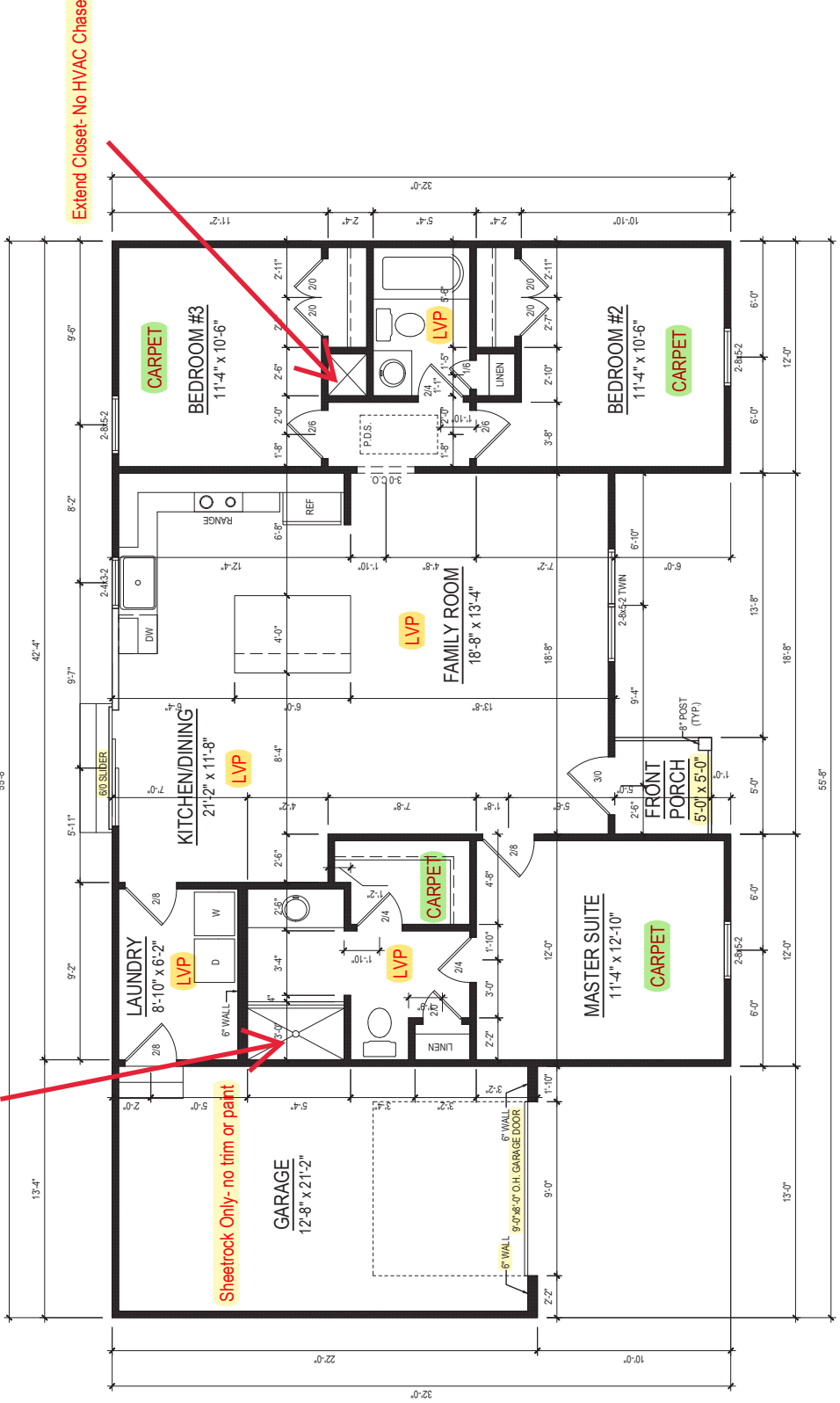
Signature Homes
 1209 N Main Street
 Lillington, NC 27546

FLOOR PLAN
 Sheet Number
2
 of 2

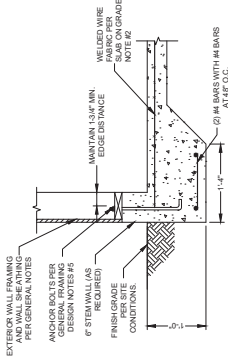
FIRST FLOOR PLAN
ELEV. 'B', 'C', & 'D'
 1/4" = 1'-0" CEILING HT. = 9'-0"
 THIS OPTION ADDS 112SF



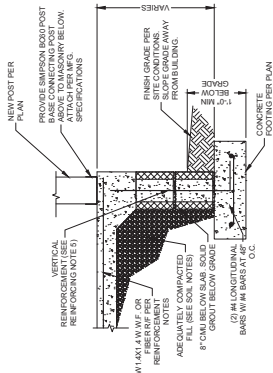
5 Fiberglass Shower Unit w/ Framed Shower Door



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

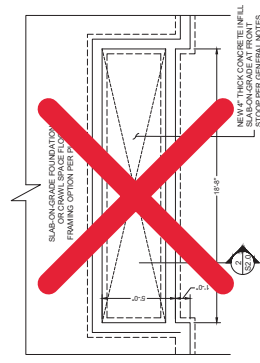


1 TYP. PERIMETER LUG FOOTING
SCALE: 1/8" = 1'-0"

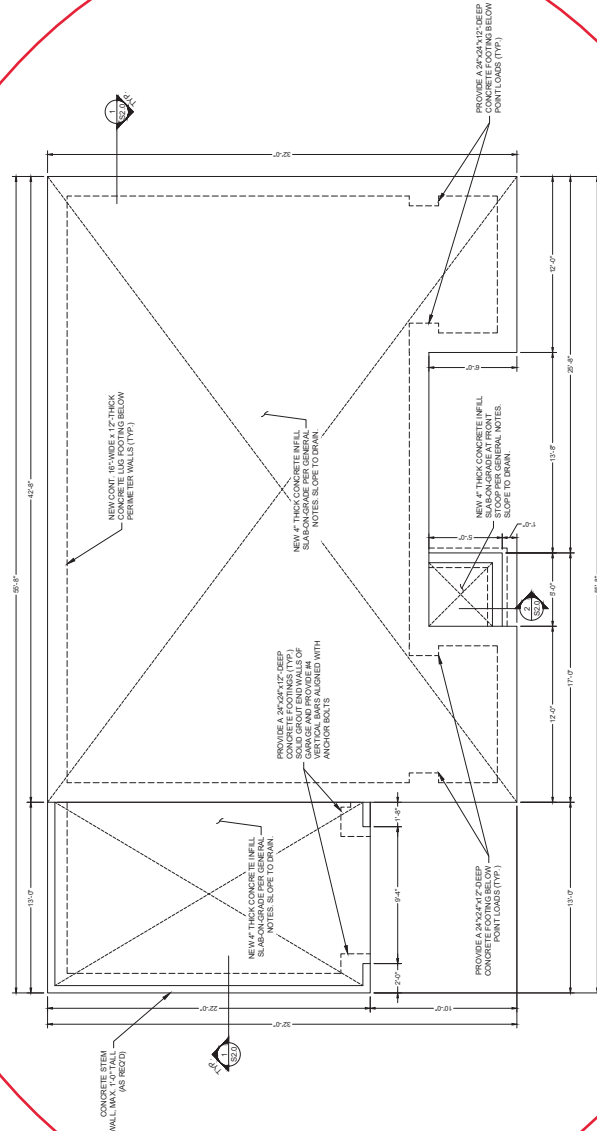


2 TYP. PORCH FOUNDATION WALL
SCALE: 1/8" = 1'-0"

3. NOT USED
SCALE: 1/8" = 1'-0"



FOUNDATION PLAN - FRONT PORCH OPTION B
SCALE: 1/8" = 1'-0"



FOUNDATION PLAN - SLAB-ON-GRADE OPTION
SCALE: 1/8" = 1'-0"



BUILT UP ENGINEERS
7283 NC HWY 42 W STE 102-148 RALEIGH, NC 27604
P: 919.817.9818
F: 919.817.9815

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

NO.	DATE	DESCRIPTION	BY	CHK

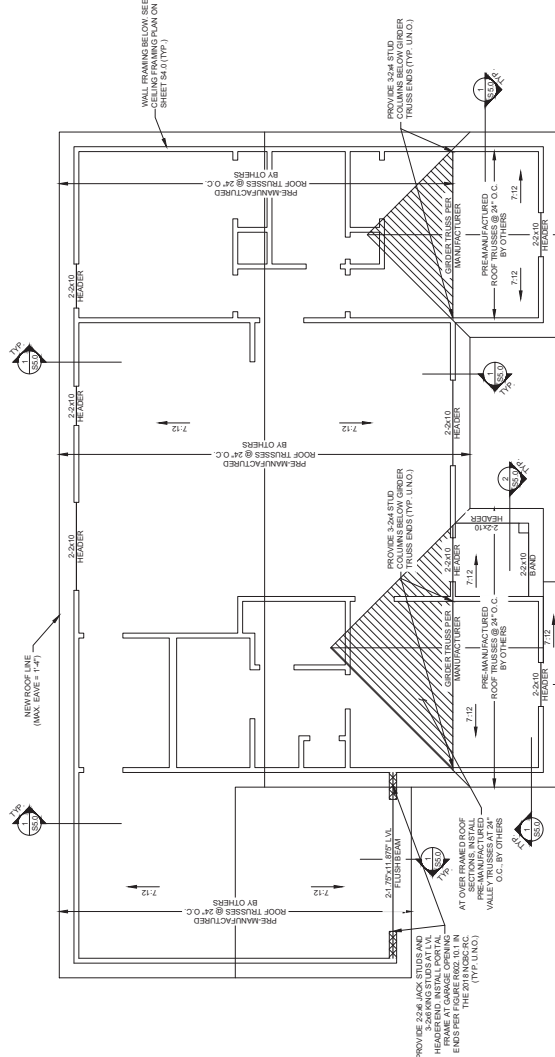
SCALE: AS SHOWN
REVIEWED BY: SAC
DRAWN BY: SAC
DATE: SEPTEMBER 03, 2023

S2.0



NO.	DATE	REVISIONS

SCALE:	AS SHOWN
REVIEWED BY:	SJC
DRAWN BY:	SJC
DATE:	SEPTEMBER 05, 2023



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

1 NOT USED
 S4.0 SCALE: N.T.S.

JACK STUDS SCHEME (U.N.O.)	
OPENING < 4'-0"	1
OPENING < 6'-0"	2
OPENING < 12'-0" OR LVA BEAMS	3

NOTE: PROVIDE KING STUDS AT NEW EXTERIOR WALL OPENINGS - KING STUDS SHALL BE PLACED IMMEDIATELY OUTSIDE OF JOINT HALF OF THE STUDS UNINTERRUPTED BY A WALL OPENING SHALL BE PLACED IMMEDIATELY OUTSIDE OF JOINT FROM SOLE PLATE TO TOP PLATE OF WALL.

