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
- 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

HEATED SQUARE FOOTAGE		<u>UNHEATED SQUARE FOOTAGE</u>		
FIRST FLOOR=	678	CARPORT=	676	
SECOND FLOOR=	N/A	COV'RD. PATIO=	299	
THIRD FLOOR=	N/A	SCREEN PORCH=	N/A	
BASEMENT=	N/A	DECK=	N/A	
		STORAGE=	N/A	

TOTAL HEATED= 678 TOTAL UNHEATED= 975

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)

678 SQ. FT. OF CRAWL SPACE/1500

.45 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 VENTIALTION PROVIDED BE EAVE VENTS.

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

1653 SQ. FT. OF ATTIC/300= 5.5

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.

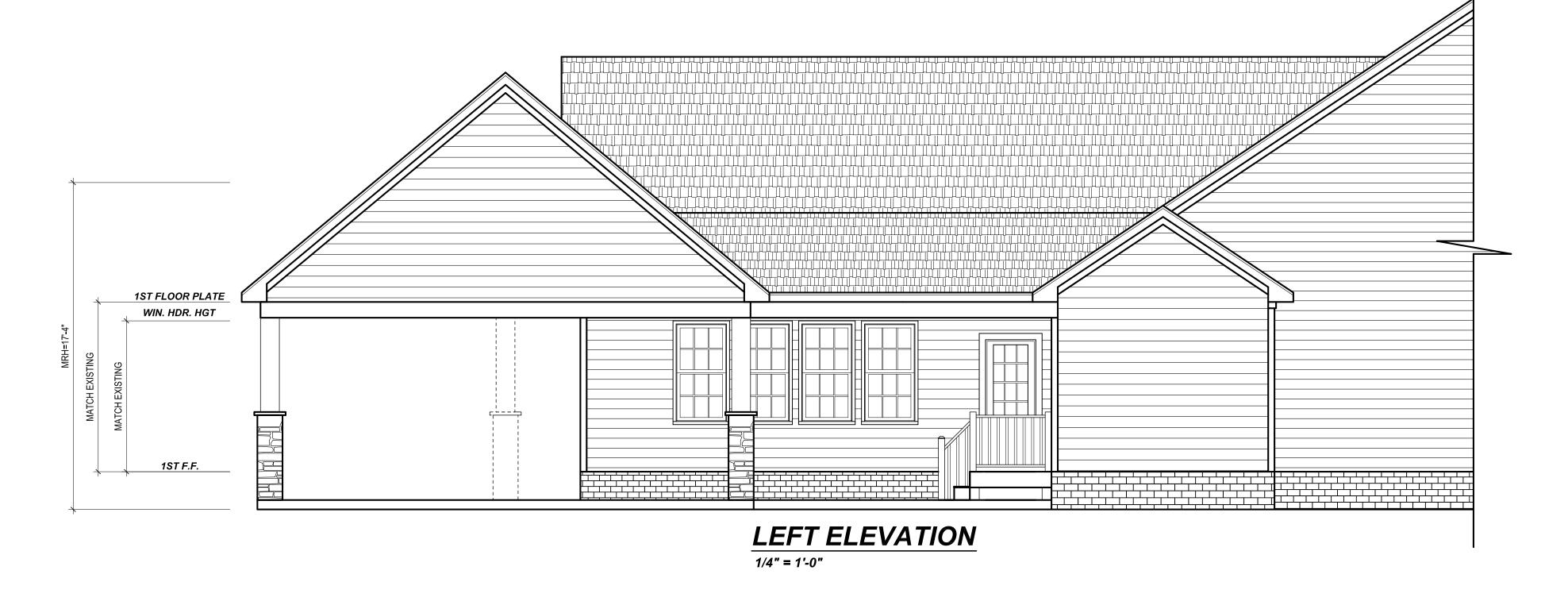
- ROOF VALUES BOTH POSITVE AND NEGATIVE SHALL BE AS FOLLOWS:

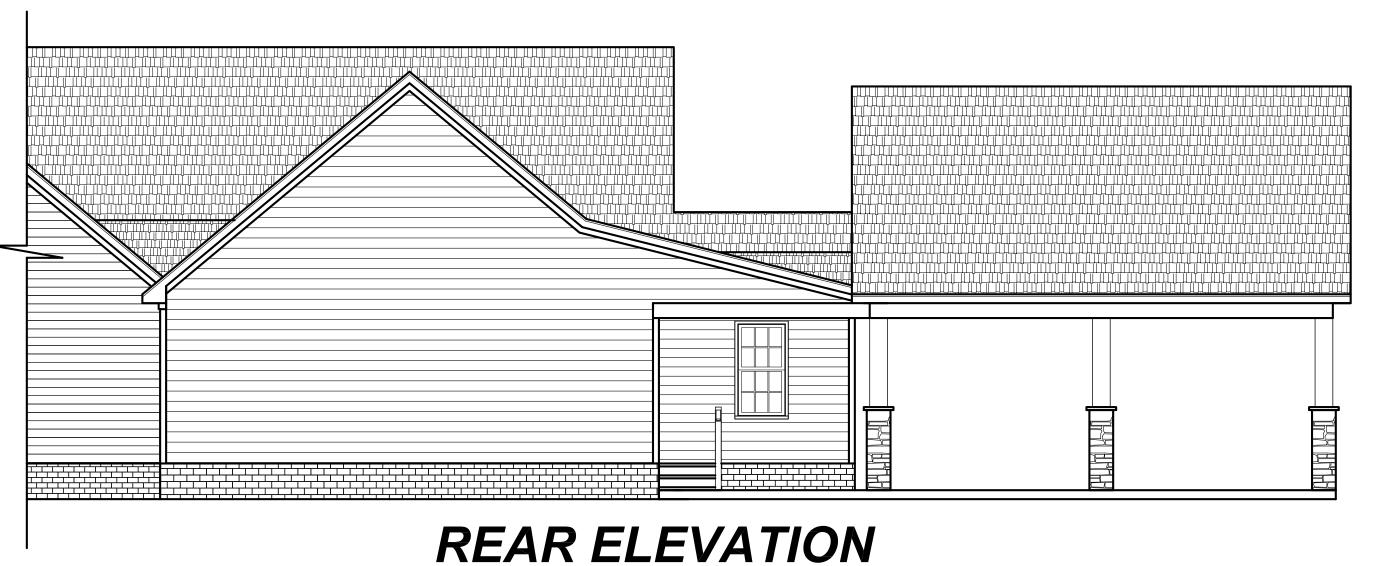
45.5 LBS. PER SQ. FT. FOR ROOF PITCHES OF 0/12 TO 2.25/12

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

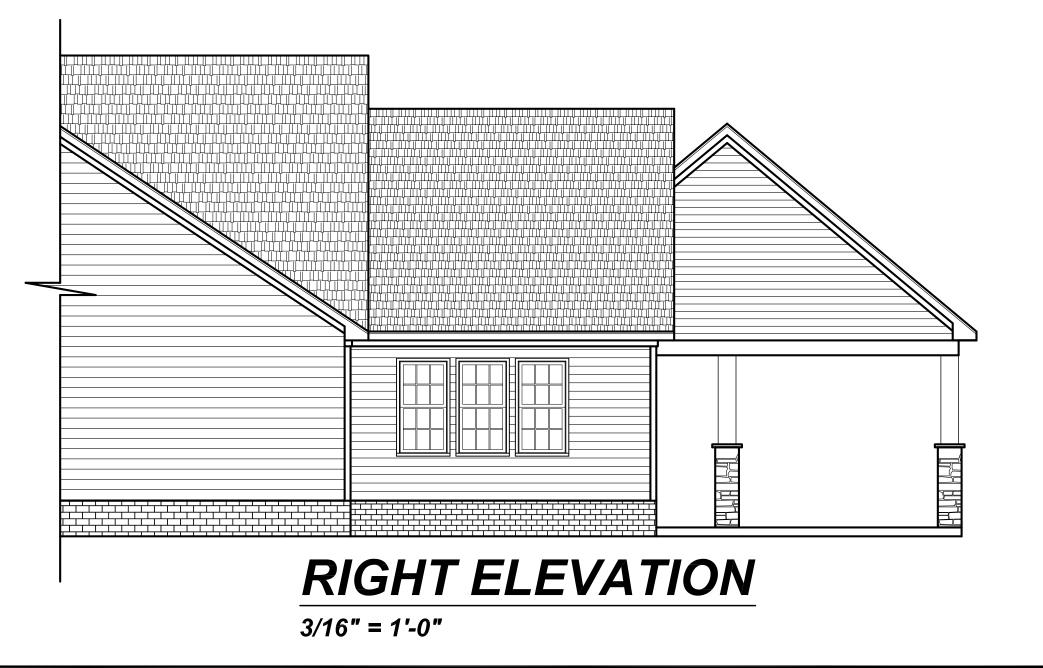
21 LBS. PER SQ. FT. FOR ROOF PITCHES OF 7/12 TO 12/12

** MEAN ROOF HEIGHT 30' OR LESS





3/16" = 1'-0"



Project #:
21-362

Date:
11-30-21

Drawn/Design By:
KBB

Scale:
REFER TO ELEV.

REVISIONS

No. Date: Remarks

1
2
3
4

01 | en-| en Ka. lleigh, NC 27603 fice: (919) 302-0693

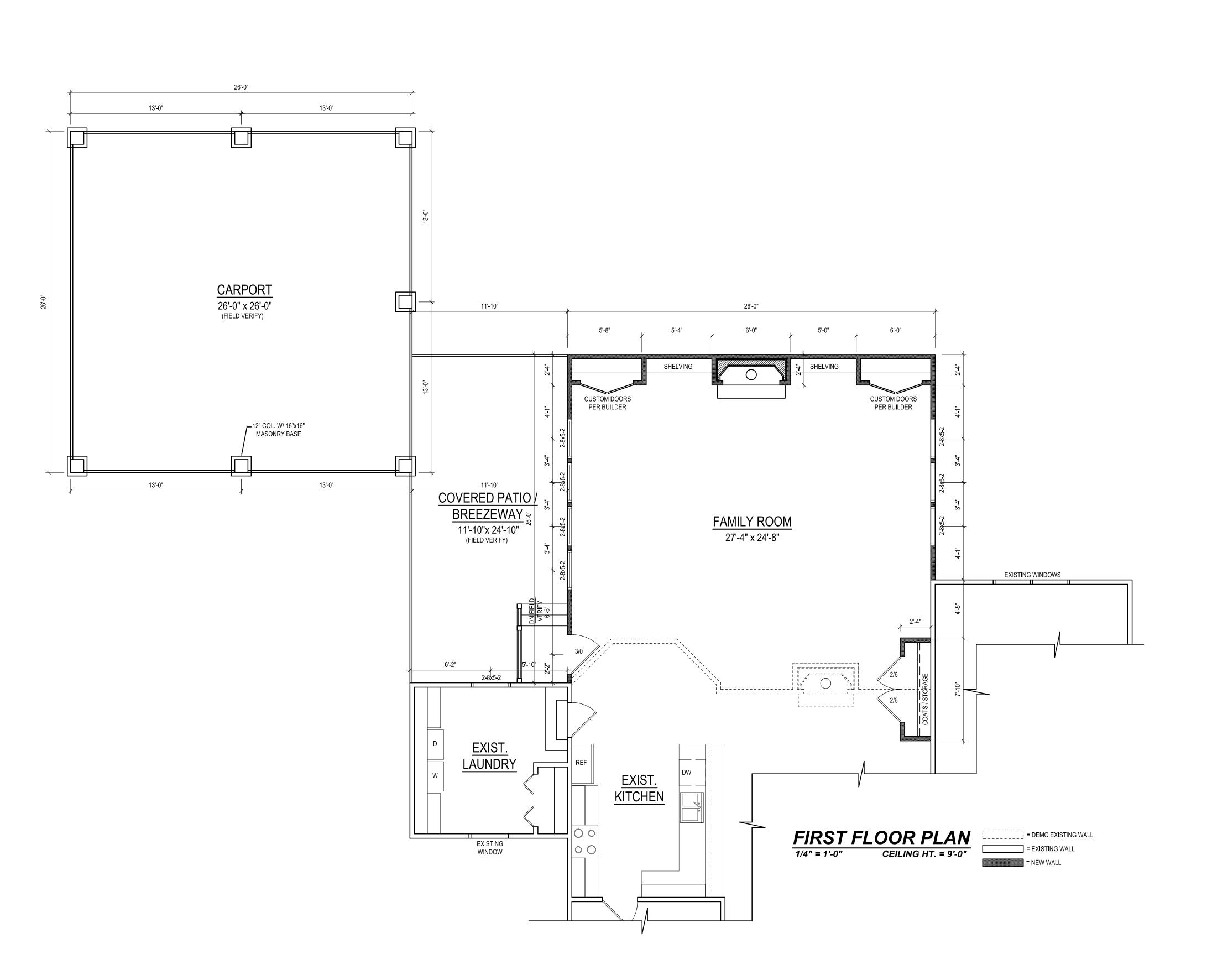


Hamilton Addition

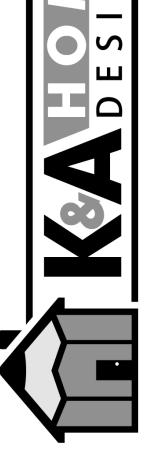
> **Clay Hamilton** 2238 NC 82 Dunn, NC 28334

ELEVATIONS

Sheet Num

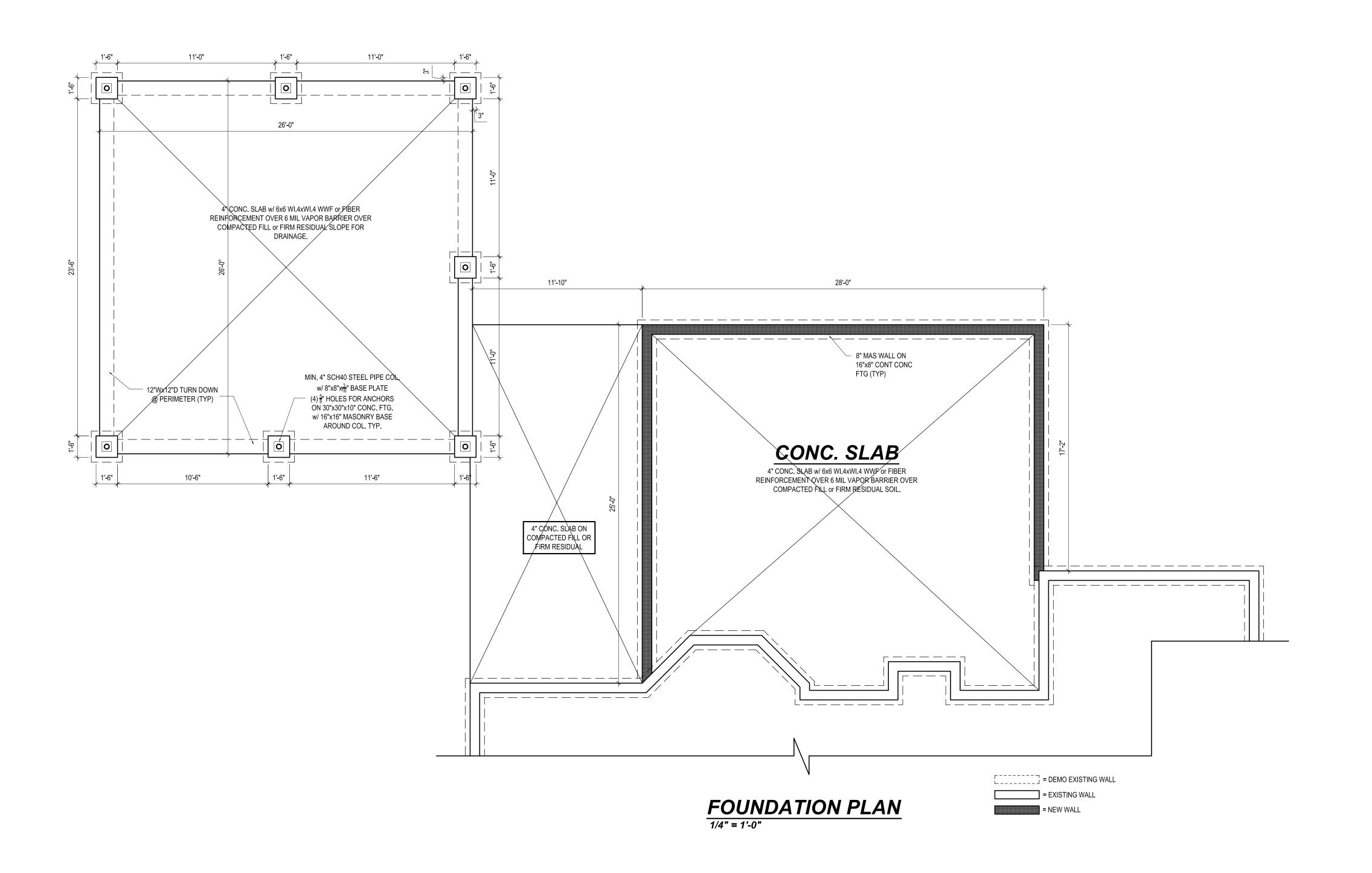


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	RI	<u>EVISIONS</u>	
<u>No.</u>	Date:	<u>Remarks</u>	
1			
2			
3			
4			
Water Street			



Hamilton Addition

Clay Hamilton 2238 NC 82 Dunn, NC 28334



* Englneers seal does not Include construction means, methods, techniques, sequences, procedures or safety precaution.

* 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.

* Please review these documents carefully. Mark E. Jones, PE will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.

deemed acceptable once construction begins.

CARO

CARO

032702

2-21-22

ENGINEER

E. JONESTIMA

Mark E. Jones, PE 6425 Glen Dean Court Raleigh, NC 27603 (919) 395-5618

> Hamilton Addition

Clay Hamilton2238 NC 82
Dunn, NC 28334

Project #:

22-005

Date:

2/21/22

Drawn/Design By:

MEJ

DWG. Checked By:

MEJ

Scale:

1/4"=1'-0"

		NAME OF THE PROPERTY OF THE PR		
	<u>REVISIONS</u>			
<u>No.</u>	<u>Date:</u>	<u>Remarks</u>		
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FOUNDATION

Sheet Number

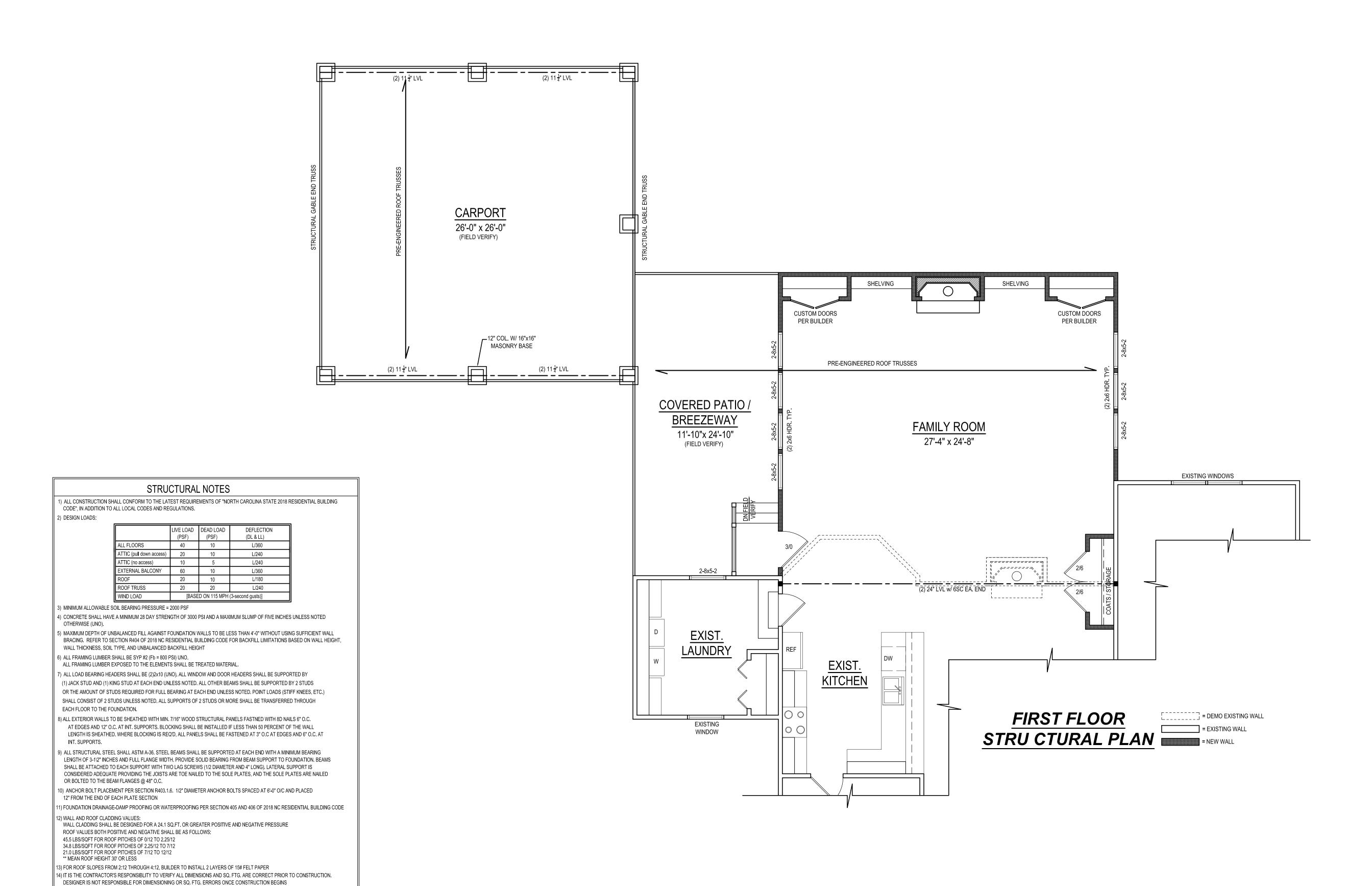


TABLE N1102.1 INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT

.35 R-38 or R-30 R-15 R-19 R-5/13 R-0

.35 R-38 or R-30 R-15 R-19 R-10/15 R-10

GLAZING
U-FACTOR CEILINGS WALLS FLOORS BASEMENT SLAB PERIMETER CRAWL SPACE WALLS

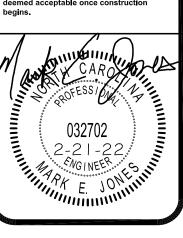
MAXIMUM

GLAZING

CLIMATE ZONE

neans, methods, techniques, sequence procedures or safety precaution.

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Mark E. Jones, PE 6425 Glen Dean Court Raleigh, NC 27603 (919) 395-5618

Hamilton Addition

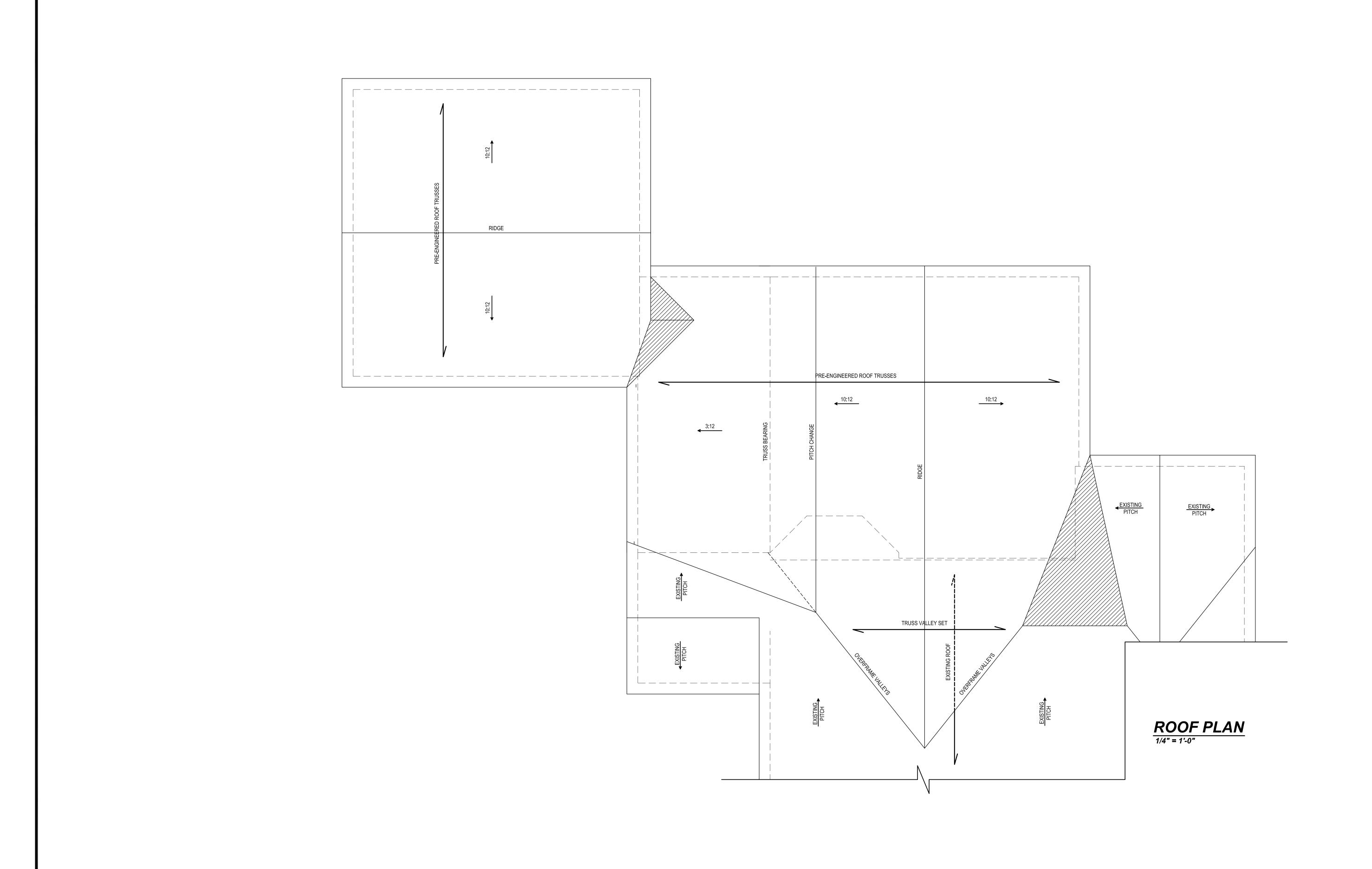
y Hamilton 238 NC 82 n, NC 28334

22-005 2/21/22 Drawn/Design By: MEJ 1/4"=1'-0"

	RI	<u>EVISIONS</u>
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STRUCTURAL

Sheet Number



Failure to do so will void mark E. Jones, PE liability.

* Please review these documents carefully. Mark E. Jones, PE will interpret that all dimensions, recommendations, etc. presented in these documents were deemed acceptable once construction begins.

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* 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.

Mark E. Jones, PE 6425 Glen Dean Court Raleigh, NC 27603 (919) 395-5618

Hamilton Addition

Clay Hamilton 2238 NC 82 Dunn, NC 28334

Project #: 22-005 <u>Date:</u> 2/21/22 Drawn/Design By: MEJ DWG. Checked By: Scale: 1/4"=1'-0"

400			
	<u>R</u> l	<u>EVISIONS</u>	
<u>No.</u>	Date:	<u>Remarks</u>	
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Water Land			- Name

ROOF

S3