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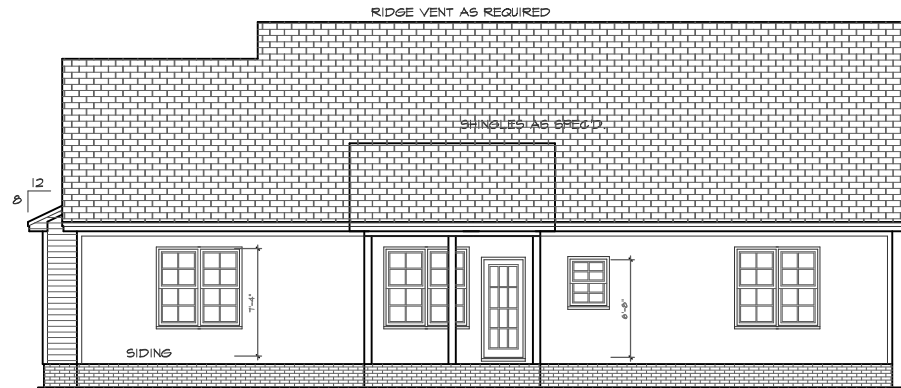
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FRONT ELEVATION
SCALE 1/4" = 10"

ATTIC VENTILATION

THE NET FREE VENTILATING AREA SHALL BE NOT LESS THAN 1 TO 150 OF THE AREA OF THE SPACE VENTILATED EXCEPT THAT THE AREA MAY BE 1 TO 300 PROVIDED AT LEAST 50 PERCENT OF THE REQUIRED VENTILATING AREA IS PROVIDED BY VENTILATORS LOCATED IN THE UPPER PORTION OF THE SPACE TO BE VENTILATED AT LEAST 5 FEET ABOVE THE EAVE OR CORNICE VENTS WITH THE BALANCE OF THE REQUIRED VENTILATION TO BE PROVIDED BY EAVE OR CORNICE VENTS.
GROSS ATTIC AREA TO BE VENTILATED = 1470 SQ. FT.
1470/300 = 4.9 SQ. FT. NET FREE AREA
50% OF VENTING MUST BE 5 FEET ABOVE THE EAVE OR SOFFIT VENTS



REAR ELEVATION
SCALE 1/8" = 10"

Plan #
NRH 1881 The Caleb 2 Car
GARAGE LEFT

THIS PLAN DESIGNED UNDER NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION (2021/22)
NO OTHER PERMITS / VENTS / RIS - 118 - 200 mm
PLAN, SPEC, CALC, SEALS, YOU OWN ALL.

DATE: 1/29/2025
PROJECT #: 25-0107

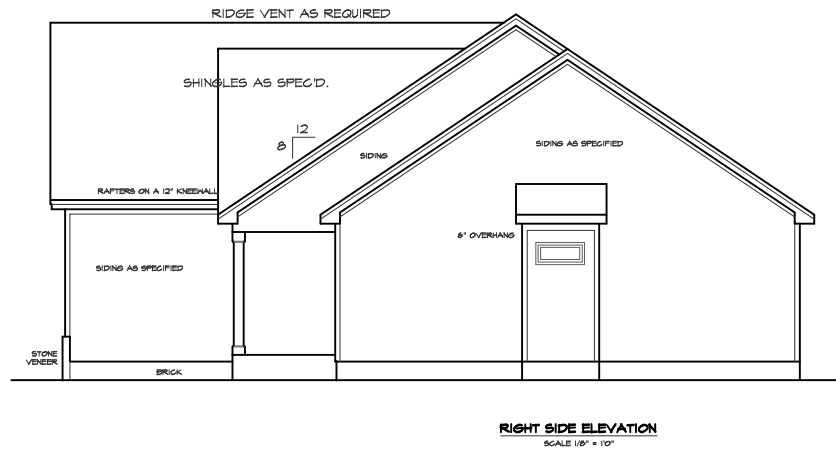
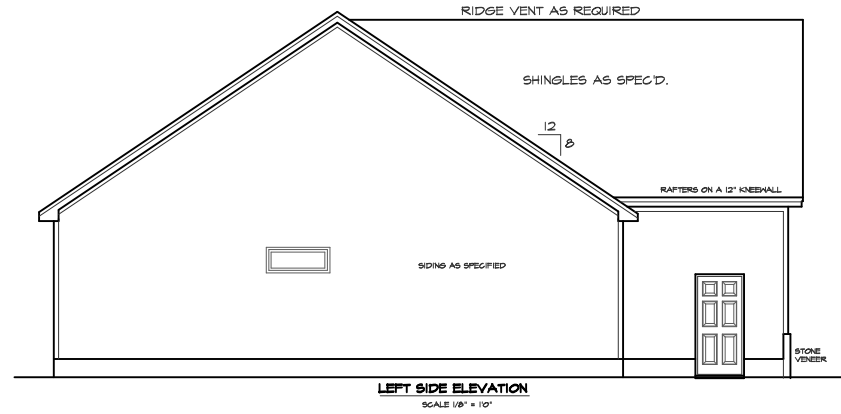


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Plan #
NRH 1881 The Caleb 2 Car
GARAGE LEFT

THIS PLAN DESIGNED UNDER NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION (BOOZING)
NO OTHER PERMITS / VARIATIONS / OR CHANGES ALLOWED.
DATE: 05/20/2025

DATE: 1/23/2025
PROJECT # 25-0107

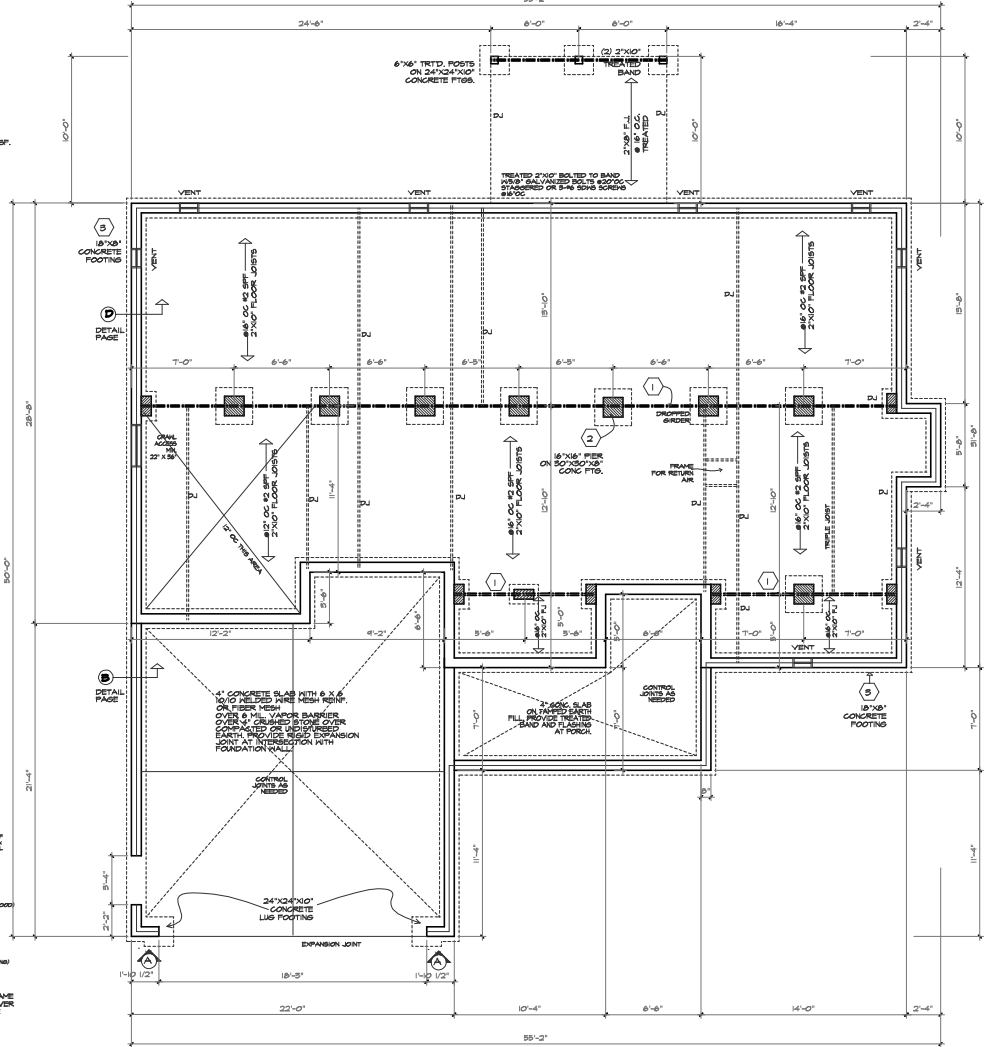
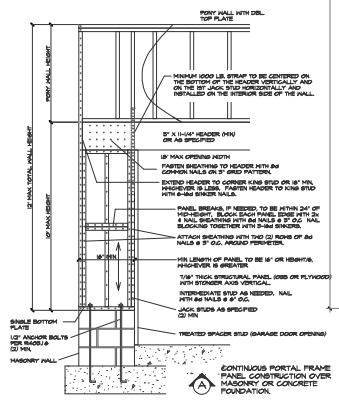
MidTown Designs Inc., 1732 Deacon Falls Way, Wendell NC 27591 Phone: 919-763-8626 www.midtowndesigns.com

FOUNDATION STRUCTURAL NOTES:

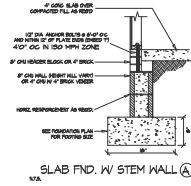
- 1) 3" x 10" SFF 42 GIRDER, DROPPED TYPICAL, UNO.
- 2) CONCRETE BLOCK PIER SIZE SHALL BE:
SIZE HOLLOW MASONRY - SOLID MASONRY
8" x 16" UP TO 32" HIGH UP TO 8'-0" HIGH
12" x 16" UP TO 48" HIGH UP TO 11'-0" HIGH
16" x 16" UP TO 64" HIGH UP TO 12'-0" HIGH
24" x 24" UP TO 144" HIGH
WITH 30" x 30" x 10' CONCRETE FOOTINGS, UNO.
- 3) HALL FOOTINGS AS FOLLOWS:
DEPTH: 8" - UP TO 2-1/2 STORY
12" - 3 STORY
WIDTH: SIDING (OR EQUAL)
- 18" - UP TO 2-1/2 STORY
- 18" - 3 STORY
BRICK VENEER
- 24" - 1 STORY
- 20" - 2 STORY
- 24" - 3 STORY
FOR FOUNDATION WALL HEIGHT AND BACKFILL REQUIREMENTS, REFER TO NORTH CAROLINA RESIDENTIAL CODE TABLE R404.1 (1 THRU 4) NOTE: ASSUMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIFY SITE CONDITIONS AND CONTACT SOILS ENGINEER IF MARGINAL OR UNSTABLE SOILS ARE ENCOUNTERED.
ATTACH SILL PLATE WITH 1/2" DIA. ANCHOR BOLTS AT 8'-0" CENTERS (1' ENDSPREAD) AND 12" FROM EACH PLATE END. (SECTION R 405.1.6) 4' O' BOLT SPACING IN 150 MPH WIND ZONE
4) "R" DESIGNATES A SIGNIFICANT POINT LOAD TO HAVE SOLG BLOCKING TO PIER, SOLID BLOCK, ALL BEAM BEARING POINTS NOTED TO HAVE THREE OR MORE STUDS TO FND, TYPICAL.
5) ABBREVIATIONS:
"S.J." = SINGLE JOIST
"D.J." = DOUBLE JOIST
"T.J." = TRIPLE JOIST

FOUNDATION VENTING

SECTION R408 UNDER FLOOR SPACE
R408) Ventilation. The under-floor space between the bottom of the floor joists and the earth floor, on existing dwellings, shall be provided with a minimum of 1 square foot of ventilation openings through foundation walls of exterior walls. The relative floor-to-ceiling ventilation openings shall not be less than 1 square foot for each 50 square feet (52.7) is required for each 100 sq ft in equivalent under-floor space area. One such ventilating opening shall be within 5 feet (610 mm) of each corner of each building.
GRAVEL AREA TO BE VENTED: 1422 SQ. FT.
1422 SQ. FT. = 4.14 NET FREE VENTING AREA REQUIRED
R409) Drainage Vapor Retarder. A minimum 6 mil polyethylene vapor retarder shall be installed to cover all earth in the crawl space with joints tapered not less than 2".



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

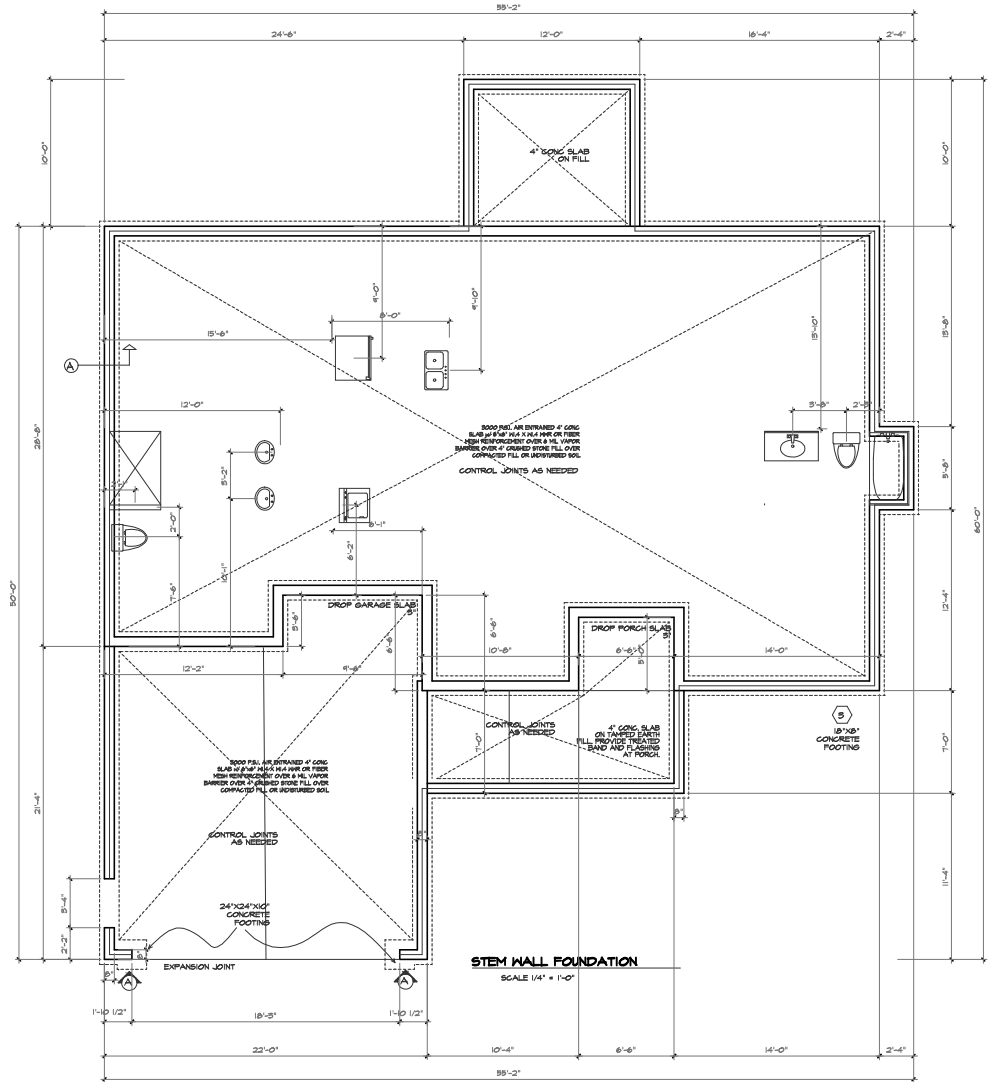
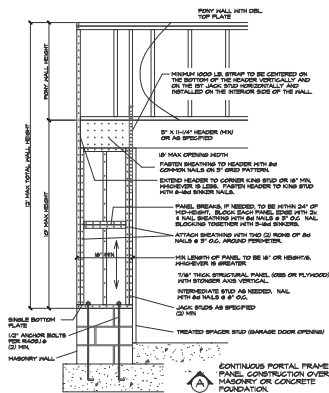


FOUNDATION STRUCTURAL NOTES:

- 1) 1/2" x 10 SFF #3 GIRDER, DROPPED TYPICAL, UNO.
- 2) CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE	HALLOW MASONRY	SOLID MASONRY
8 x 16	UP TO 32" HIGH	UP TO 5'-0" HIGH
12 x 16	UP TO 48" HIGH	UP TO 10'-0" HIGH
16 x 16	UP TO 64" HIGH	UP TO 12'-0" HIGH
24 x 24	UP TO 96" HIGH	

 WITH 50" x 50" x 10' CONCRETE FOOTING, UNO.
- 3) HALL FOOTING AS FOLLOWS:
 DEPTH: 8" - UP TO 2-1/2 STORY
 10" - 5 STORY
 WIDTH: SIDING (OR EQUAL)
 - 16" - UP TO 2-1/2 STORY
 - 18" - 3 STORY
 BRICK VENEER
 - 16" - 1 STORY
 - 20" - 2 STORY
 - 24" - 3 STORY
 FOR FOUNDATION WALL HEIGHT AND BACKFILL REQUIREMENTS REFER TO NORTH CAROLINA RESIDENTIAL CODE TABLE R404.1 (1) THRU (4).
 NOTE: ASSUMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIFY SITE CONDITIONS AND CONTACT SOIL ENGINEER IF HANGING OR UNSTABLE SOILS ARE ENCOUNTERED.
 ATTACH SILL PLATE WITH 1/2" DIA. ANCHOR BOLTS AT 8'-0" CENTERS (1' EMBEDMENT) AND 12" FROM EACH PLATE END, SECTION R 402.1(A). 4" BOLT SPACING IN ISO MPH WIND ZONE.
- 4) 'B' DESIGNATES A SIGNIFICANT POINT LOAD TO HAVE SOLID BLOCKING TO PIER, SOLID BLOCK, ALL BEAM BEARING POINTS NOTED TO HAVE THREE OR MORE STUDS TO FND, TYPICAL.
- 5) ABBREVIATIONS:
 'SU' = SINGLE JOIST
 'DU' = DOUBLE JOIST
 'TU' = TRIPLE JOIST



FOUNDATION STRUCTURAL NOTES:

- 1) (B) 2 x 10 SPP #2 GIRDER, DROPPED TYPICAL I.N.O.
- 2) CONCRETE BLOCK PIER SIZE SHALL BE:

SIZE	HOLLOW MASONRY	SOLID MASONRY
8 x 16	UP TO 25'-0" HIGH	UP TO 8'-0" HIGH
12 x 16	UP TO 45'-0" HIGH	UP TO 11'-0" HIGH
16 x 16	UP TO 54'-0" HIGH	UP TO 12'-0" HIGH
24 x 24	UP TO 98'-0" HIGH	

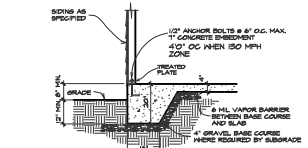
 WITH 50% x 50% x 10' CONCRETE FOOTING I.N.O.
- 3) WALL FOOTING AS FOLLOWS:
 DEPTH: 8' - UP TO 2-1/2 STORY
 10' - 5 STORY
 WIDTH: SIDING (OR EQUAL)
 - 18" - UP TO 2-1/2 STORY
 - 18" - 5 STORY
 BRICK VENEER
 - 18" - 1 STORY
 - 20" - 2 STORY
 - 24" - 5 STORY

FOR FOUNDATION WALL HEIGHT AND BACKFILL REQUIREMENTS, REFER TO NORTH CAROLINA RESIDENTIAL CODE TABLE R401.1 (1) THRU (4). NOTE: ASSUMED SOIL BEARING CAPACITY = 2000 PSF. CONTRACTOR MUST VERIFY SITE CONDITIONS AND CONTACT SOILS ENGINEER IF MARGINAL OR UNSATISFACTORY SOILS ARE ENCOUNTERED.

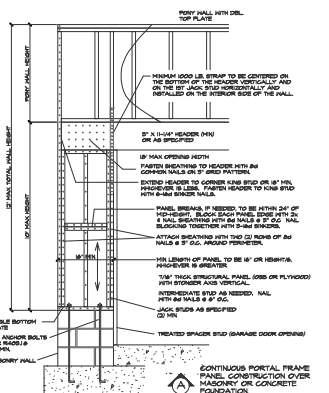
ATTACH SILL PLATE WITH 1/2" DIA. ANCHOR BOLTS AT 8'-0" CENTERS (1" EMBEDMENT) AND 12" FROM EACH PLATE END. (SECTION R 405.1.6) 45° BOLT SPACING IN 50 MPH WIND ZONE

4) 'M' DESIGNATES A SIGNIFICANT POINT LOAD TO HAVE SOLID BLOCKING TO PIERE SOLID BLOCK. ALL BEAM BEARING POINTS NOTED TO HAVE THREE OR MORE STUDS TO THIS TYPICAL.

5) ABBREVIATIONS:
 'S.J.' = SINGLE JOIST
 'D.J.' = DOUBLE JOIST
 'T.J.' = TRIPLE JOIST



B SECTION THROUGH MONOLITHIC SLAB/ FOOTING
SCALE 1/2" = 1'-0"



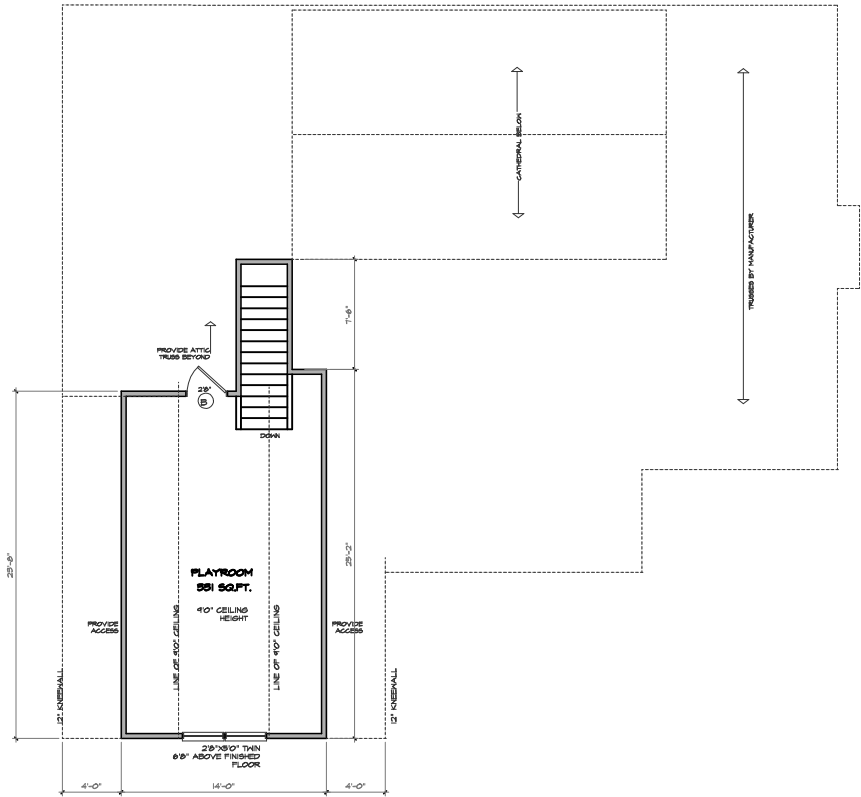


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SECOND FLOOR PLAN
SCALE 1/4" = 1'-0"

Plan #
NRH 1881 The Caleb 2 Car
GARAGE LEFT

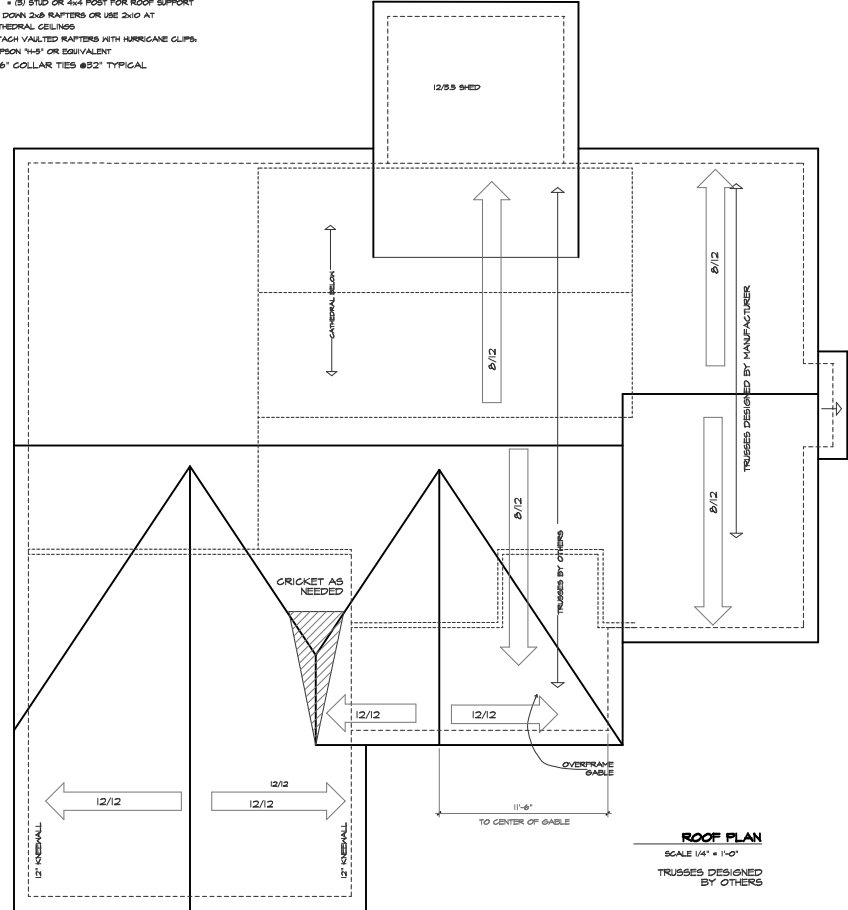
**THIS PLAN DESIGNED UNDER NORTH CAROLINA
RESIDENTIAL CODE 2018 EDITION (BOOZING)**
NO OTHER PERMITS / NOTES / IS - 100 PER
PLAN 25-0107-0000

DATE
1/23/2025

PROJECT #
25-0107

ROOF FRAMING NOTES:

- (1) 12x12 MEN HIND ZONE!
 IF 150 MPH FOLLOW APPLICABLE CODE
1. ALL RAFTERS TO BE 2x8 @ 16" O.C. WITH 2 X 12 RIDGE UNO.
 2. (2)2x10 OR (1) 175' X 11 7/8" LVL HIP, (2)2x10 HIP MAY BE SPLICED WITH A MINIMUM 4'-0" OVERLAP AT CENTER.
 3. (2)2x10 OR (1) 175' X 425' LVL VALLEY, DO NOT SPLICE VALLEYS
 4. 113BH 7/8" LVL VALLEY
 5. FALSE FRAME VALLEY ON 2x10 FLAT PLATE
 6. 2"x6" RAFTERS @16" O.C. W/ 2x8 RIDGE
 7. 2"x10" RAFTERS @16" O.C. W/ 2x12 RIDGE
 - "SR" = SINGLE RAFTER
 - "DR" = DOUBLE RAFTER
 - "TR" = TRIPLE RAFTER
 - "RS" = ROOF SUPPORT FOR RAFTER SPLICE
 - "TR" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT
 - "B" = (3) STUD OR 4x4 POST FOR ROOF SUPPORT
 - FIR DOWN 2x8 RAFTERS OR USE 2x10 AT CATHEDRAL CEILING
 - ATTACH VAULTED RAFTERS WITH HURRICANE CLIPS, SIMPSON 1/4-S" OR EQUIVALENT
 - 2"x6" COLLAR TIES @32" TYPICAL



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Plan #
NRH 1881 The Caleb 2 Car
 GARAGE LEFT

THIS PLAN DESIGNED UNDER NORTH CAROLINA RESIDENTIAL CODE 2018 EDITION (2021IRC)
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DATE
 1/23/2025

PROJECT #
 25-0107



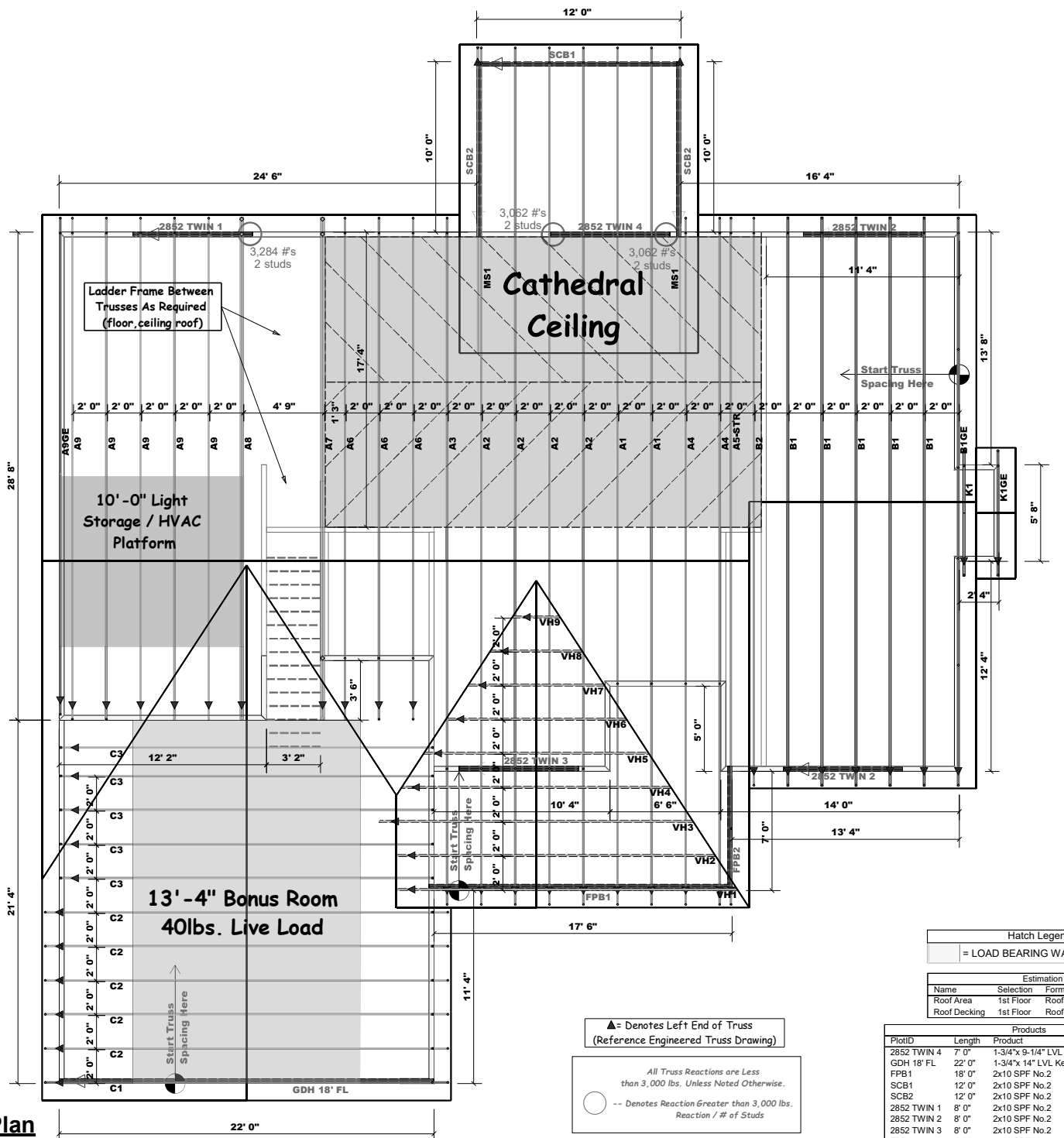
ROOF & FLOOR TRUSSES & BEAMS
 Reilly Road Industrial Park
 Fayetteville, N.C. 28309
 Phone: (910) 864-8787
 Fax: (910) 864-4444

Bearing reactions less than or equal to 3000# are deemed to comply with the prescriptive Code requirements. The contractor shall refer to the attached Tables 1 derived from the prescriptive Code requirements 1) to determine the minimum foundation size and number of rods/studs required to support reactions greater than 3000# but not greater than 1500#. A registered design professional shall be retained to design the support system for any reaction that exceeds those specified in the attached Tables. A registered design professional shall be retained to design the support system for all reactions that exceed 1500#.

Signature: Lenny Norris
 Lenny Norris

LOAD CHART FOR JACK STUDS
 (BASED ON TABLES #502.5(1) & (2))
 NUMBER OF JACK STUDS REQUIRED @ EA END OF MEMBER

MEMBER SIZE (INCHES)	MEMBER TYPE	MEMBER LENGTH (FEET)	MEMBER WEIGHT (LBS)	MEMBER REACTION (LBS)	MEMBER REACTION (KIP)
1700	1	2550	1	3400	1
3400	2	5100	2	6800	2
5100	3	7650	3	10200	3
6800	4	10200	4	13600	4
8500	5	12750	5	17000	5
10200	6	15300	6		
11900	7				
13600	8				
15300	9				



Ladder Frame Between Trusses As Required (floor, ceiling roof)

Cathedral Ceiling

10'-0" Light Storage / HVAC Platform

13'-4" Bonus Room
 40lbs. Live Load

Hatch Legend
 = LOAD BEARING WALLS @ 9'-1-8 Hgt.

Estimation

Name	Selection	Formula	Calculation
Roof Area	1st Floor	Roof Area	3188.58
Roof Decking	1st Floor	Roof Decking	110

▲ = Denotes Left End of Truss (Reference Engineered Truss Drawing)

All Truss Reactions are Less than 3,000 lbs. Unless Noted Otherwise.
 ○ -- Denotes Reaction Greater than 3,000 lbs. Reaction / # of Studs

Products

PartID	Length	Product	Piles	Net Qty
2852 TWIN 4	7' 0"	1-3/4"x 9-1/4" LVL Kerto-S	2	2
GDH 18' FL	22' 0"	1-3/4"x 14" LVL Kerto-S	2	2
FPB1	18' 0"	2x10 SPF No.2	3	3
SCB1	12' 0"	2x10 SPF No.2	2	2
SCB2	12' 0"	2x10 SPF No.2	2	4
2852 TWIN 1	8' 0"	2x10 SPF No.2	2	2
2852 TWIN 2	8' 0"	2x10 SPF No.2	2	4
2852 TWIN 3	8' 0"	2x10 SPF No.2	2	2
FPB2	8' 0"	2x10 SPF No.2	2	2

Truss Placement Plan
 SCALE: 1/4" = 1'-0"

BUILDER	JOHNSTON CO. / JOHNSTON
JOB NAME	Neuse River Homes
PLAN	Lot 10 Homaker Farms
SEAL DATE	NRH 1881 CALEB 2-CAR
QUOTE #	Seal Date
JOB #	Quote #
	J1224-6968
	Drawn By: Lenny Norris
	Sales Rep: Lenny Norris
	Address: ROOF / /

THIS IS A TRUSS PLACEMENT DIAGRAM ONLY. These trusses are designed as individual building components to be incorporated into the building design at the specification of the building designer. See individual design sheets for each truss design identified on the placement drawing. The building designer is responsible for temporary and permanent bracing of the roof and floor system and for the overall structure. The design of the truss support structure including headers, beams, walls, and columns is the responsibility of the building designer. For general guidance regarding bracing, consult IBC301 and IBC302 provided with the truss delivery package or online @ sbcindustry.com

