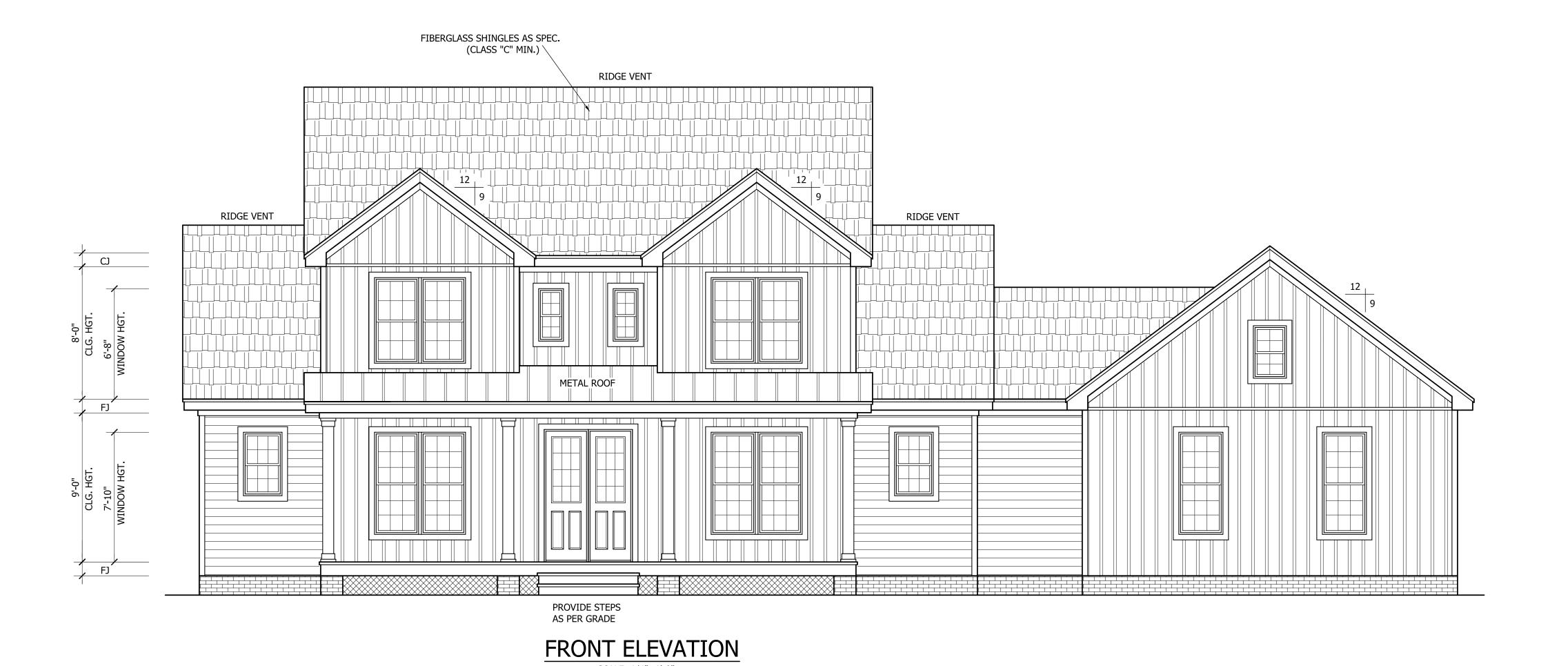
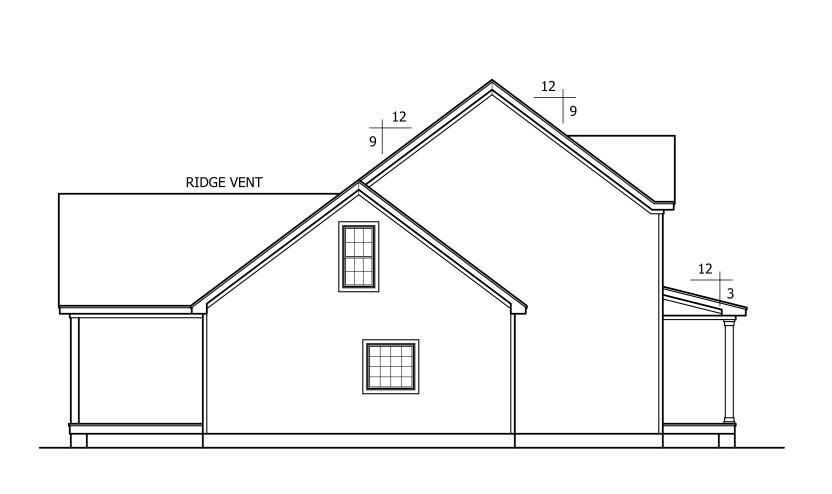
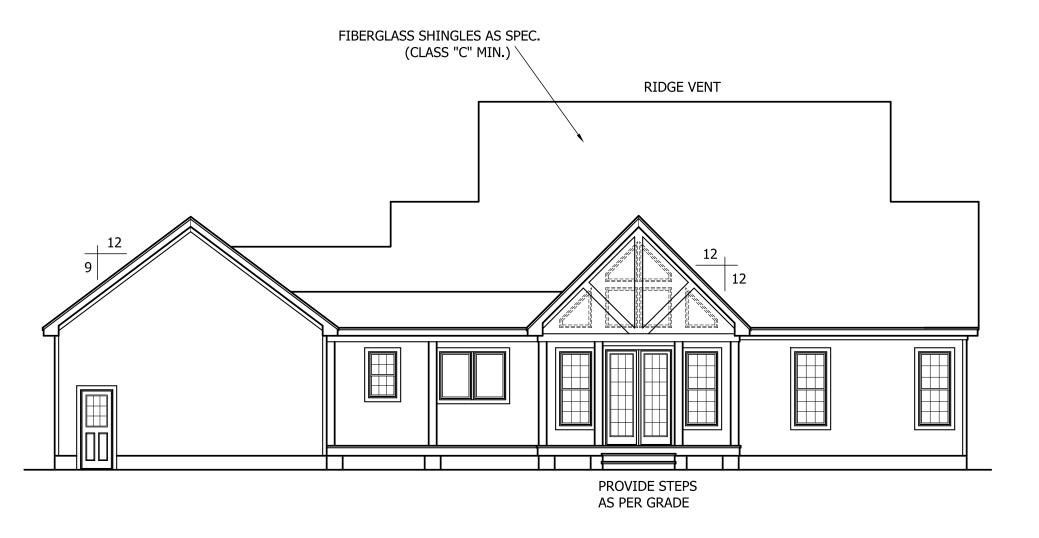
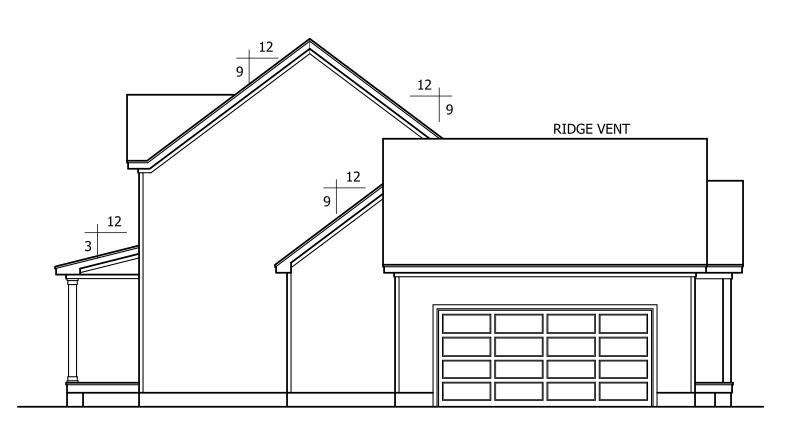
CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS PRIOR TO BEGGINING WORK. CONTRACTOR IS RESPONSIBLE FOR COMPLIANCE WITH ALL STATE AND LOCAL BUILDING CODES AND ORDINANCES. KADS CUSTOM HOME DESIGNS, LLC ASSUMES NO LIABILITY FOR SITE CONDITIONS, CONSTRUCTION METHODS OR ANY DEVIATION OF THESE PLANS.

NOTE:
ALL WINDOWS TO BE INSTALLED MUST MEET
A MINIMUM OF .35 U VALUE OR BETTER, UNLESS
ENERGY CALCULATIONS ARE SUBMITTED WITH PLANS
PROVIDED BY BUILDER AT TIME OF PLAN REVIEW.









LEFT ELEVATION

SCALE: 1/8"=1'-0"

REAR ELEVATION

SCALE: 1/8"=1'-0"

RIGHT ELEVATION

SCALE: 1/8"=1'-0"



ANGIER, NC 919-369-7181

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<u>D.W.O.</u>

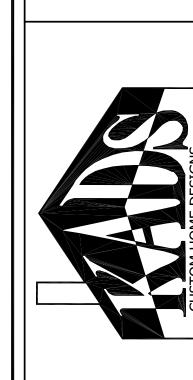
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OF **4**

PLAN NO.



ANGIER, NC 919-369-7181

> DRAWN BY: D.W.O.

DATE:

4/17/25

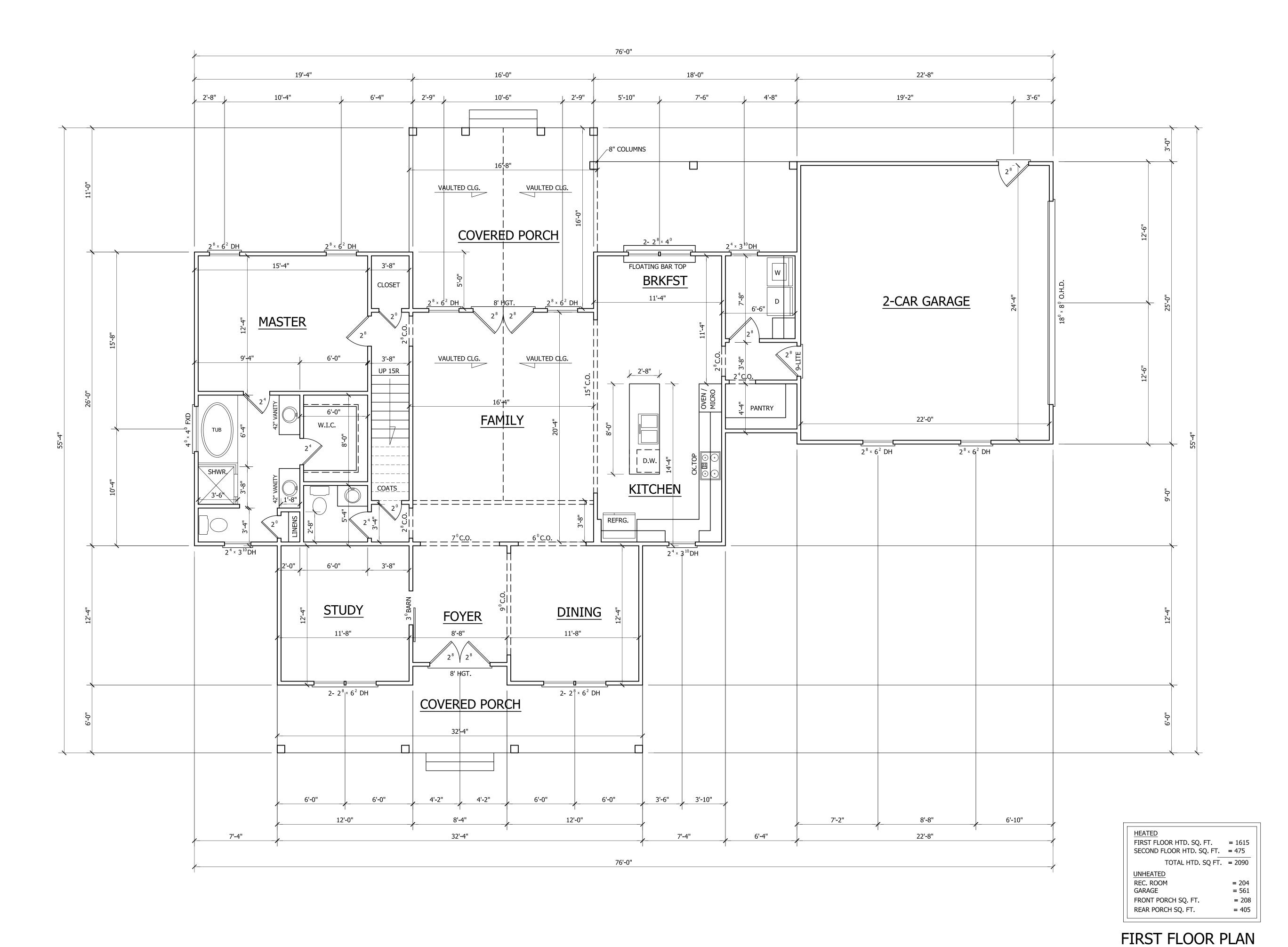
PAGE NO

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4

PLAN NO. DK2090

SCALE: 1/4"=1'-0" 9'-0" CLG. HGT. SET WINDOWS AT 7'-10" A.F.F.



ANGIER, NC 919-369-7181

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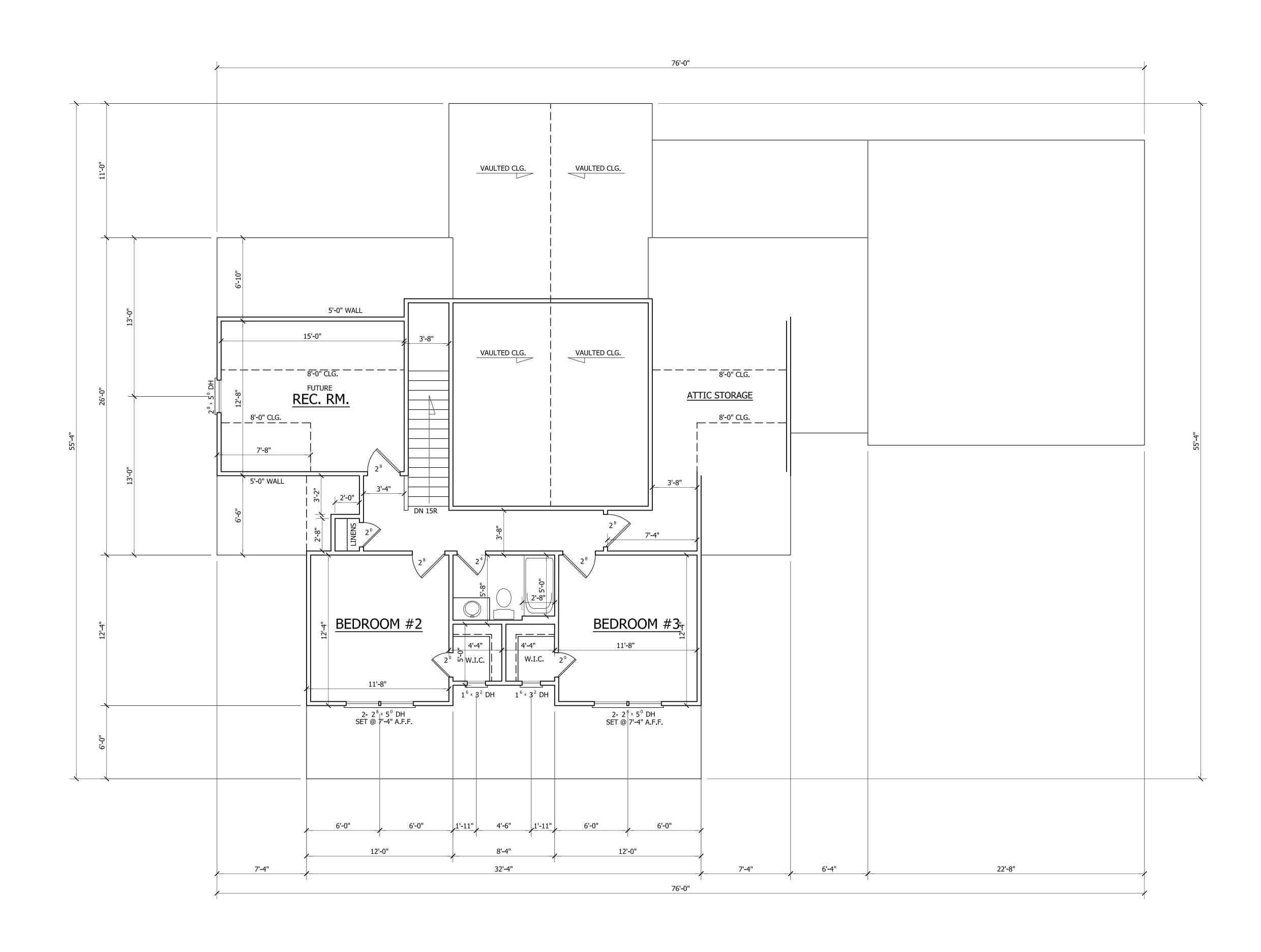
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4/17/25

PAGE NO

OF

PLAN NO. DK2090



SECOND FLOOR PLAN

SCALE: 1/4"=1'-0" 8'-0" CLG. HGT. SET WINDOWS AT 6'-8" A.F.F.

SIDING

INSUL.

FIRESTOPPING

handrail height and below the required headroom height.

on either side of the stairway and the minimum clear width

of the stairway at and below the handrail height, including

treads and landings, shall not be less than 31-1/2 inches where

Stairways shall not be less than 36 inches

in clear width at all points above the permitted

Handrails shall not project more than 4.5 inches

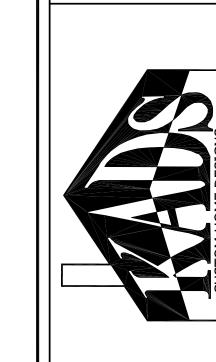
a handrail is installed on one side and 27 inches

where handrails are provided on both sides

STAIR DETAIL

1/2" DIA X 15" EMBEDED ANCHOR BOLTS @ 6'-0" O.C.





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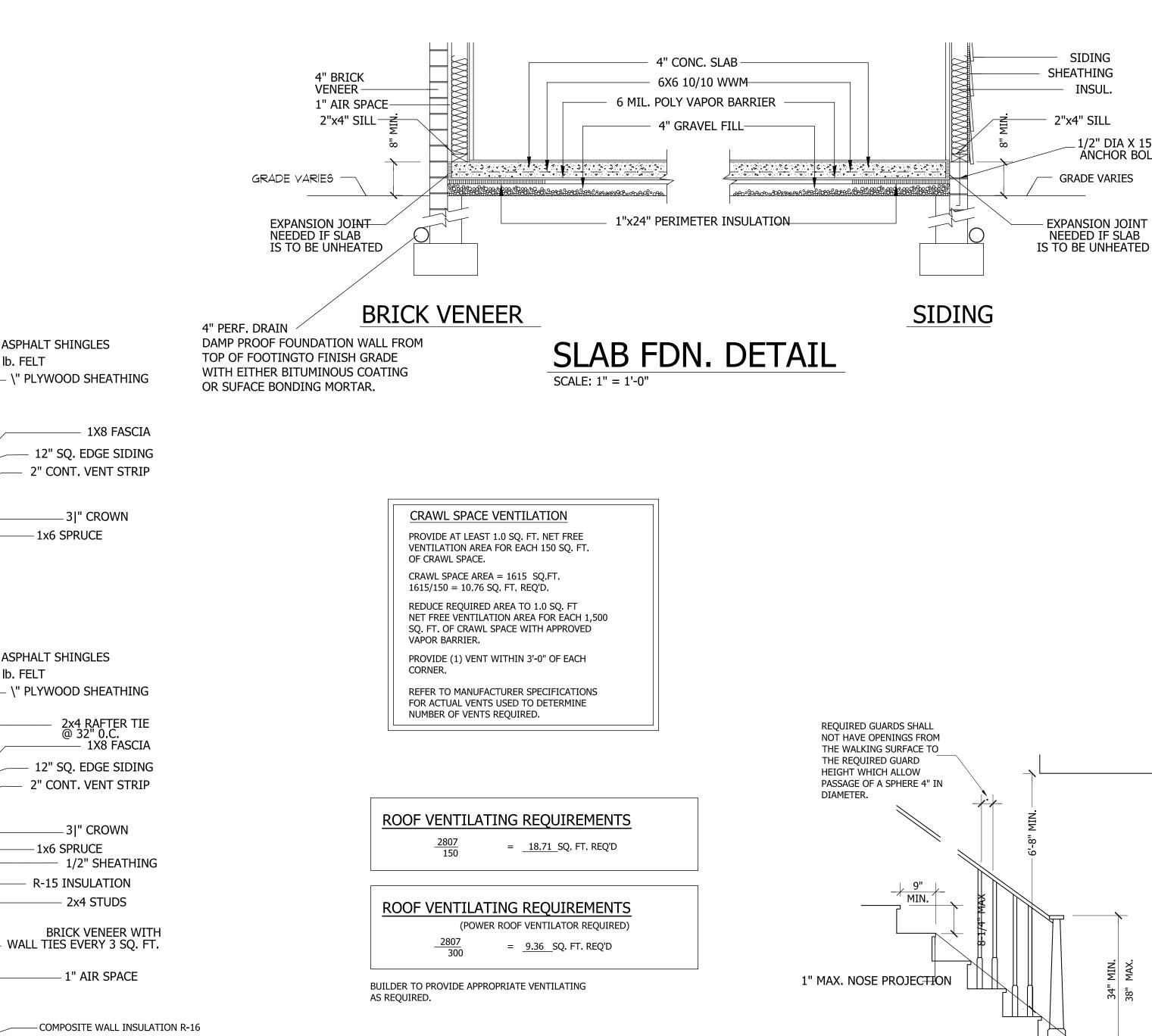
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OF

PLAN NO. DK2090



EXPANSION JOINT - 4" CONC. SLAB WITH FIBERMESH OR WIREMESH ON 6 MIL. VAPOR FOUNDATION BARRIER ON 4" CRUSHED STONE GRADE -- 8" CONC. BLK. WALL 8"x16" CONC. FTG.

GARAGE SLAB SCALE: NTS

SIDING SECTION

FOOTING

3" MIN. PROJECTION MAX. - THICKNESS OF

240 lb. ASPHALT SHINGLES

240 lb. ASPHALT SHINGLES

\" PLYWOOD SHEATHING

-1x10 SPRUCE

\" PLYWOOD SHEATHING

1x8 FASCIA -

3|" CROWN

2x4 RAFTER TIE @ 32" O.C. 1x8 FASCIA ——

3|" CROWN

1/2" SHEATHING-

2x4 STUDS -

SUBFLOOR -

2 X BAND

FINISH FLOOR

FINISH GRADE

1/2" DIA X 15" EMBEDED ANCHOR BOLTS @ 6'-0" O.C.

12" SQ. EDGE SIDING -

2" CONT. VENT STRIP

12" SQ. EDGE SIDING

2" CONT. VENT STRIP

WALL SECTION

SCALE: \" = 1'-0"

→ GIRDER

240 lb. ASPHALT SHINGLES

- \" PLYWOOD SHEATHING

- 1X8 FASCIA

12" SQ. EDGE SIDING

_3|" CROWN

1x6 SPRUCE

- \" PLYWOOD SHEATHING

2x4 RAFTER TIE @ 32" 0.C. ____ 1X8 FASCIA

- 12" SQ. EDGE SIDING

3|" CROWN

2x4 STUDS

- 1" AIR SPACE

____ 2" CONT. VENT STRIP

1x6 SPRUCE

R-15 INSULATION

240 lb. ASPHALT SHINGLES

– 15 lb. FELT

- SUBFLOOR

FINISH FLOOR

— 2 X BAND

WEEP HOLES 48" O.C.

— 30# FELT OR FLASHING UP 6" BEHIND SHEATHING

1/2" DIA X 15" EMBEDED ANCHOR BOLTS @ 6'-0" O.C.

4" PERF. DRAIN

DAMP PROOF FOUNDATION WALL FROM

TOP OF FOOTINGTO FINISH GRADE

OR SUFACE BONDING MORTAR.

WITH EITHER BITUMINOUS COATING

2" CONT. VENT STRIP

– 15 lb. FELT

R-30 INSULATION

1x4 PINE

1x10 SPRUCE

1x4 PINE 1x10 SPRUCE

ROOF TRUSS PER MANUFACTURER

(SEE TRUSS DESIGN PACKAGE)

-2X4 COLLAR BEAM

R-30 INSULATION —

CLG. JOISTX

FL. JOIST

FL. JOIST

1ST FLOOR HVAC
IN CRAWL SPACE
(MIN. 22" CLEARANCE)

BRICK SECTION

TREATED SILL

CORBEL BRICK

- CONC. BLOCK

AS SHOWN BELOW 8" SOLID CAP

@ 48" O.C.

1/2" GYPSUM BOARD

COMPOSITE FLOOR INSULATION R-20 —

R-19 INSULATIQN/

TYP. FOR INTERIOR WALLS

2ND FLOOR HVAC IN ATTIC

CLG. JOIST

1x10 SPRUCE

FL. JOIST

FL. JOIST

TREATED SILL

- 8" SOLID CAP FOR 2 STORY

4" SOLID CAP FOR 1 STORY

OPTIONAL ROOF TRUSS DETAIL

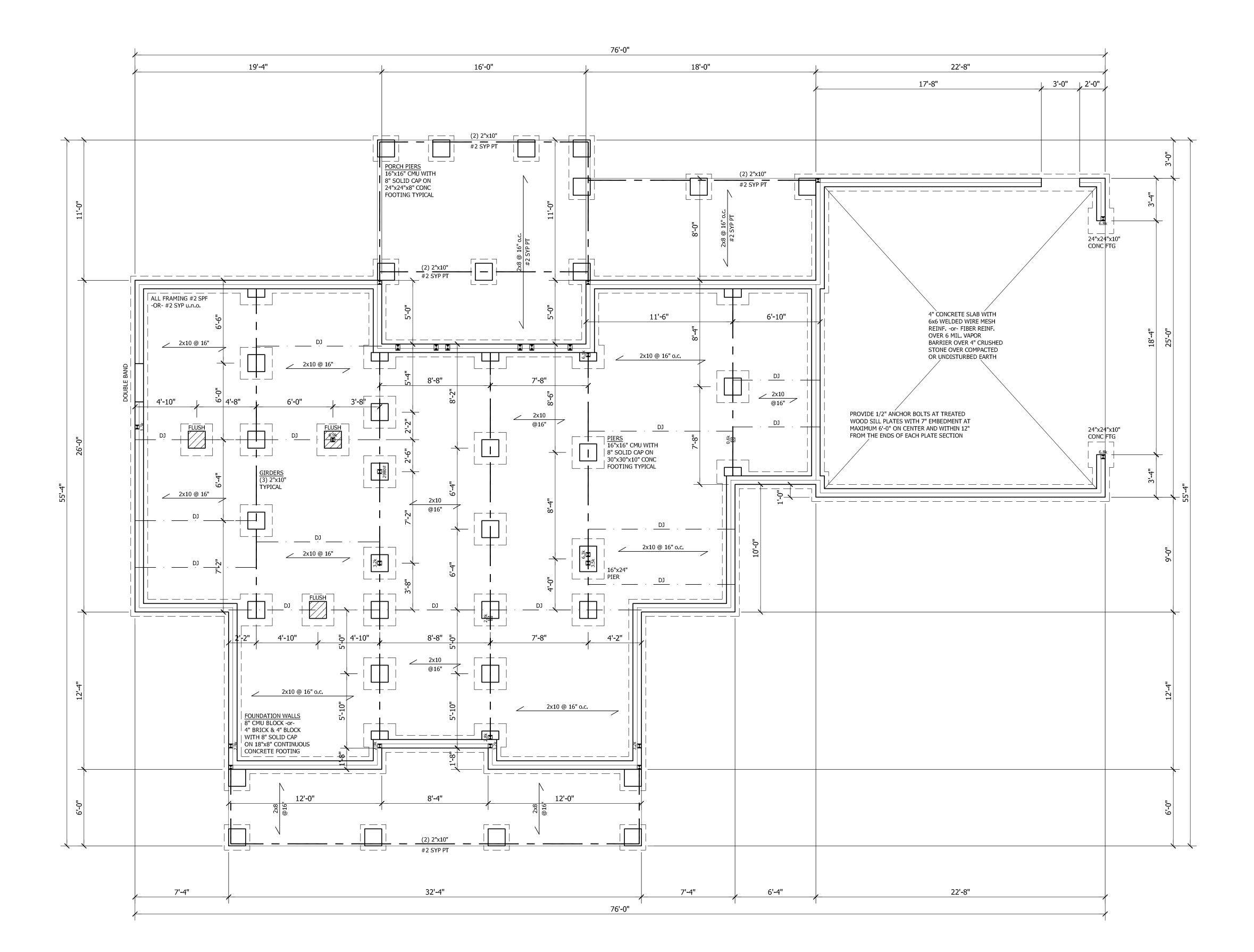
STEPHENSON BUILDERS GILLIAM RESIDENCE LOT I DIXON ROAD

LR 1*7* APR 25 DRAWN BY: DATE: R250303

FOUNDATION & FIRST FLOOR

ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY.

SEAL APPLIES ONLY FOR LOT NUMBER INDICATED AND SIGNED PLANS MAY NOT BE COPIED. FAILURE TO NOTIFY THE ENGINEER OF ADDITIONAL USE OF THE PLANS WILL VOID THE LIABILITY OF ROSS LINDEN ENGINEERS PC.



WALL BRACING NOTES:

WALL BRACING SHALL BE IN ACCORDANCE WITH SECTION R602.10.3
CONTINUOUS SHEATHING. BRACING METHOD CS-WSP SHALL BE USED IN ACCORDANCE WITH TABLE R602.10.1.

THE REQUIRED LENGTH OF BRACING FOR EACH SIDE OF A RECTANGLE CIRCUMSCRIBED AROUND THE PLAN OR A PORTION OF THE PLAN AT EACH STORY LEVEL SHALL BE IN ACCORDANCE WITH TABLE R602.10.3 AND FIGURE R60.10.3(1). UNLESS NOTED OTHERWISE, THE ENTIRE STRUCTURE IS ASSUMED TO CIRCUMSCRIBED WITHIN A SINGLE RECTANGLE.

MINIMUM PANEL WIDTH IS 24". SEE SECTION R602,10.3 FOR ADDITIONAL INFORMATION. CONNECTION CRITERIA SHALL BE IN ACCORDANCE WITH TABLE R602,10.1. PORTAL FRAME CONSTRUCTION SHALL BE IN ACCORDANCE WITH FIGURE R602.10.1

HOLD DOWN DEVICE SHALL BE AS FOLLOWS: SIMPSON LSTA24 STRAP (OR EQUIVALENT) BETWEEN FLOORS EXTENDING FROM BOTTOM OF FLOOR BAND UP STUDS WHERE SHOWN. SIMPSON HD3B HOLDOWN (OR EQUIVALENT) WHERE REQUIRED TO CONNECT DIRECTLY TO FOUNDATION.

WIND SPEED: 115 mph

EAVE TO RIDGE HEIGHT: 10.0 ft

FIRST FLOOR:

SHORT SIDE LENGTH OF CIRCUMSCRIBED RECTANGLE: $\underline{46.33 \text{ ft}}$ REQUIRED LENGTH OF BRACING = $\underline{11.4 \text{ ft}}$ PROVIDED LENGTH OF BRACING = $\frac{42.3 \text{ ft}}{}$

LONG SIDE LENGTH OF CIRCUMSCRIBED RECTANGLE: 76.0 ft REQUIRED LENGTH OF BRACING = 18.2 ft

PROVIDED LENGTH OF BRACING = $\frac{29.0 \text{ ft}}{}$

/ 2x10 @ 16" o.c.

(2) 2"x10" CONTINUOUS

(2) 2"x10" CONTINUOUS 16" LPI 36 at 16" o.c. 2x10 @ 16" o.c. - 2x6 JACK AND (2) 2x6 CONTINUOUS KING STUDS EACH SIDE OF DOOR AND WINDOWS TYPICAL AT VAULT 2x10 @ 16" o.c. _____ (2) 2x10 @ 16" o.c. 2x10 @ 16" o.c. 2x10 @ 16" o.c.

FRAMING NOTES

1. STRUCTURAL NOTES SHEET S5.

2. FRAMING SHALL BE #2 SPF OR #2 SYP u.n.o.

3. EXTERIOR AND BEARING HEADERS (2) 2"x10" u.n.o.

4. ■ DENOTES POINT LOAD. SEE CONSTRUCTION NOTE #4 ON S5.

WITH THE SUPPORT LOCATIONS SHOWN. JOISTS SHALL BE DESIGNED FOR MAXIMUM L/480 LIVE LOAD DEFLECTION, JOIST LAYOUT SHALL BE PROVIDED FOR REVIEW AND COORDINATED WITH THE ENGINEER OF RECORD.

FRAMING SYSTEM
JOIST LAYOUT AND PLACEMENT BY MANUFACTURER TO COINCIDE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.

> STRUCTURAL DESIGN IN ACCORDANCE WITH: NORTH CAROLINA STATE RESIDENTIAL CODE 2018 EDITION IRC ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY. SEAL APPLIES ONLY FOR LOT NUMBER INDICATED AND SIGNED PLANS MAY NOT BE

SEAL NOT VALID UNLESS SIGNED AND DATED LOT 1 DIXON ROAD ONLY

COPIED. FAILURE TO NOTIFY THE ENGINEER

OF ADDITIONAL USE OF THE PLANS WILL VOID THE LIABILITY OF ROSS LINDEN

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STEPHENSON BUILDERS GILLIAM RESIDENCE LOT I DIXON ROAD

DRAWN BY: 17 APR 25

R250303

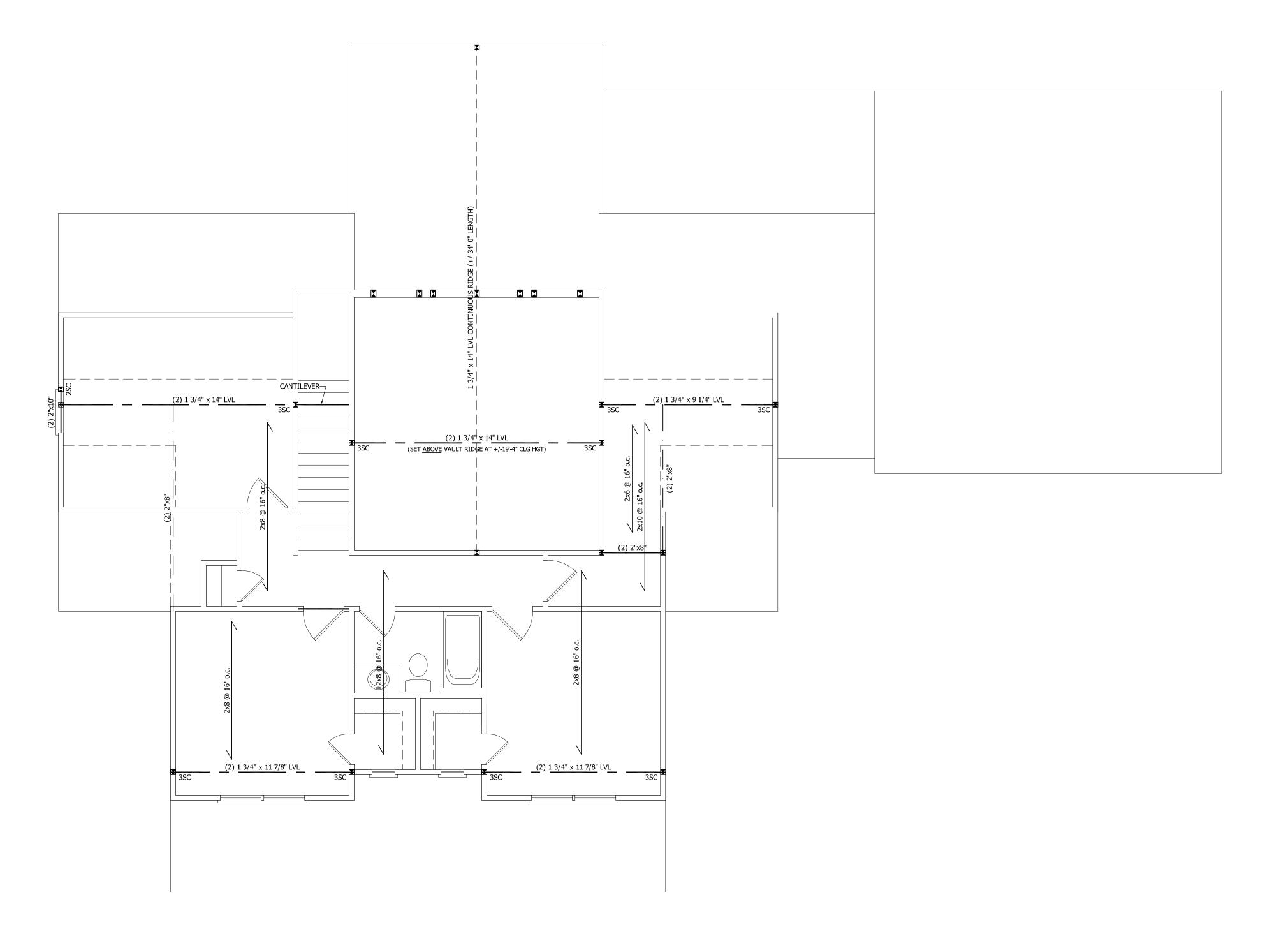
FIRST CEILING FRAMING

1. STRUCTURAL NOTES SHEET S5.

2. FRAMING SHALL BE #2 SPF OR #2 SYP u.n.o.

3. EXTERIOR AND BEARING HEADERS (2) 2"x10" u.n.o.

4. ■ DENOTES POINT LOAD. SEE CONSTRUCTION NOTE #4 ON S5.





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SEAL APPLIES ONLY FOR LOT NUMBER INDICATED AND SIGNED PLANS MAY NOT BE COPIED. FAILURE TO NOTIFY THE ENGINEER OF ADDITIONAL USE OF THE PLANS WILL YOUR THE LIABILITY OF ROSS LINDEN VOID THE LIABILITY OF ROSS LINDEN ENGINEERS PC.

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LR 1*7* APR 25 DRAWN BY:

R250303

SECOND CEILING FRAMING

ROOF FRAMING NOTES

1. STRUCTURAL NOTES SHEET S5.

2. FRAMING SHALL BE #2 SPF OR #2 SYP u.n.o.

4. FUR RIDGES FOR FULL RAFTER CONTACT

3. PROVIDE 2x4 COLLAR TIES AT 48" o.c. AT UPPER THIRD OF RAFTERS u.n.o. ON PLAN.

DENOTES OVERFRAMED AREA

5. ■ DENOTES POINT LOAD. SEE CONSTRUCTION NOTE #4 ON S5.

R250303

STRUCTURAL DESIGN IN ACCORDANCE WITH: NORTH CAROLINA STATE

RESIDENTIAL CODE 2018 EDITION IRC

ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY.
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VOID THE LIABILITY OF ROSS LINDEN

ENGINEERS PC.

SEAL NOT VALID UNLESS SIGNED AND DATED LOT 1 DIXON ROAD ONLY

ROOF PLAN FRAMING



2"x10"

_____2x8 @ 16" o.c.

SET RAFTER SUPPORT ABOVE CONTINUOUS FAMILY/PORCH RIDGE

2x8 @ 16" o.c.

2"x10" RIDGE

2"x10"



2x8 @ 16" o.c.

2x8 @ 16" o.c.

2x8 @ 16" o.c.

ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY. ROSS LINDEN ENGINEERS PC ASSUMES NO LIABILITY FOR CHANGES OR MODIFICATIONS MADE TO THESE PLANS BY OTHERS, OR FOR CONSTRUCTION METHODS, OR FOR ANY DEVIATION FROM THE PLANS. 2. ALL CONSTRUCTION, WORKMANSHIP, MATERIAL QUALITY AND

SELECTION SHALL BE IN ACCORDANCE WITH THE NORTH CAROLINA STATE BUILDING CODE - RESIDENTIAL CODE 2018 EDITION FROM THE INTERNATIONAL RESIDENTIAL CODE 2015 (IRC), AND LOCAL CODES AND REGULATIONS. DIMENSIONS SHALL GOVERN OVER SCALE AND CODE SHALL GOVERN OVER DIMENSIONS

STRUCTURAL

SHEATHING-

SEE TABLES <u>R404.1.1</u> FOR WALL

REINFORCING REQUIREMENTS. IT IS

THE CONTRACTOR'S RESPONSIBILITY

TO VERIFY THAT THE WALL HEIGHT

FINISHED GRADE —

FOUNDATION DRAIN

PER CODE -

8" FOUNDATION WALL

FASTEN HEADER TO KING STUD 6-16d

.

0 0 0 0 0

0 0 0 0 0

0 0 0 0

.

20" MIN.

SCALE: 1" = 1'-0"

FASTEN SHEATHING TO HEADER AND WALL

WITH 8d NAILS AT 3" o.c.

ANCHOR BOLT PER

R403.1.6 TYP.
PROVIDE MIN. 2" x2" x 3/16"
PLATE WASHER AT BOLTS
EACH SIDE OF DOOR.

AND REINFORCING IS PER CODE.

−1/2" DIA. ANCHOR BOLTS

PLATE

(EMBED. 7" MIN.) @ 6'-0" O.C.

AND 12" FROM ENDS OF SILL

-2x6 TREATED

SILL PLATE

—SOLID MASONRY CAP

-8" FOUNDATION WALL

REINFORCED PER CODE

- CONCRETE FOOTING

PROVIDE LSTA24 STRAP

INSIDE FACE OF WALL

(TYP. EACH SIDE).

(SEE PLAN)

EXTENT OF HEADER

- SEE PLAN FOR HEADER

FOR ATTACHMENT OF

FOR A PANEL SPLICE, PANEL EDGES SHALL BE BLOCKED AND

SHEATHING-TO-FRAMING CONNECTIONS IS REQUIRED IN

WOOD STRUCTURAL PANEL

NO SCALE

EACH PANEL.

OCCUR WITHIN 24" OF MID-HEIGHT. ONE ROW OF TYP.

BEAMS WITH 2x MATERIAL

SHEATHING AND STRAPS.

SEE PLAN

SEE FIG. R602.10.1 FOR

CS-PF PORTAL FRAME BRACED WALL PANEL

ADDITIONAL INFORMATION

BASED ON FIG. R602.10.1

3. CONTACT THE ENGINEER PRIOR TO CONSTRUCTION IF ANY DISCREPANCIES ARE NOTED ON THE PLANS.

4. ONLY CURRENT SEALED DRAWINGS ARE TO BE USED FOR CONSTRUCTION.

DESIGN LOADS LIVE LOAD DEAD LOAD TABLE R301.4 DWELLING UNITS (PSF) SLEEPING ROOMS ATTICS WITH STORAGE ATTICS WITHOUT STORAGE **ROOF SNOW** STAIRS DECKS EXTERIOR BALCONIES PASSENGER VEHICLE GARAGES FIRE ESCAPES GUARDRAILS AND HANDRAILS

ADDITIONAL LOADS

AS FOLLOWS:

TABLE R301.2(4) - BASIC DESIGN WIND SPEED 115 MPH TABLE R301.2(7) - SEISMIC DESIGN CATEGORY B

 $\frac{\text{TABLE R301.2(6)}}{\text{DOORS AND WINDOW FOR A MEAN ROOF HEIGHT OF 35 FEET OR}}$ LESS SHALL BE 25 PSF

TABLE R301.2(2) - COMPONENT AND CLADDING LOADS FOR A BUILDING LOCATED IN EXPOSURE B

ROOF VALUES BOTH POSITIVE AND NEGATIVE SHALL BE DESIGNED BASED ON ROOF PITCHES AND MEAN ROOF HEIGHT

2.25:12 TO 7:12 34.8 PSF 36.5 PSF 37.9 PSF 21.0 PSF 22.1 PSF 22.9 PSF 7:12 TO 12:12

WALL CLADDING SHALL BE DESIGNED FOR A 24.1 PSF POSITIVE AND NEGATIVE PRESSURE

MATERIALS

REQUIREMENTS.

1. FRAMING LUMBER SHALL BE #2 SPRUCE PINE FIR (SPF) WITH THE FOLLOWING DESIGN PROPERTIES: Fb = 875 PSI Fv = 70 PSI E = 1.4E6 PSI

2. FRAMING LUMBER EXPOSED TO WEATHER OR IN CONTACT WITH THE GROUND, CONCRETE OR MASONRY SHALL BE #2 SOUTHERN YELLOW PINE (SYP) TREATED IN ACCORDANCE WITH AWPA C22 WITH THE FOLLOWING DESIGN PROPERTIES: Fb = 1050 PSI Fv = 95 PSI E = 1.6E6 PSI

3. ENGINEERED WOOD BEAMS SHALL BE LAMINATED VENEER LUMBER (LVL) OR PARALLEL STRAND LUMBER (PSL) WITH THE FOLLOWING MINIMUM DESIGN PROPERTIES: Fb = 2600 PSI Fv = 285 PSI E = 1.9E6 PSITHE FOLLOWING PRODUCTS MEET OR EXCEED THE ABOVE

SPECIFICATIONS AND MAY BE USED AT THE LOCATION INDICATED ON THE PLANS: BROADSPAN 1.9E-2750Fb LVL BY GEORGIA PACIFIC iLEVEL TRUS JOIST 1.9E MICROLLAM LVL BY WEYERHAUSER

4. STRUCTURAL STEEL WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A992 OR A572, GRADE 50. ALL OTHER STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.

5. BOLTS SHALL CONFORM TO A325 MINIMUM GRADE.

6. REBAR SHALL BE DEFORMED STEEL CONFORMING TO ASTM A615 GRADE 60. 7. SEE <u>TABLE R602.3(1)</u> FOR STRUCTURAL MEMBER FASTENING

8. POURED CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. MATERIALS USED TO PRODUCE CONCRETE SHALL COMPLY WITH THE

9. CONCRETE LOCATED PER <u>TABLE R402.2</u> SHALL BE AIR ENTRAINED WITH THE TOTAL AIR CONTENT NOT LESS THAN 5 PERCENT OR MORE THAN 7 PERCENT.

APPLICABLE STANDARDS LISTED IN ACI 318 OR ASTM C 1157.

10. MASONRY UNITS SHALL CONFORM TO ACI 530/ASCE 5/TMS 402 AND MORTAR SHALL COMPLY WITH ASTM C 270.

CONSTRUCTION

1. STEEL BEAMS SHALL BE SUPPORTED AT EACH END WITH A MINIMUM BEARING LENGTH OF 3 1/2" AND FULL FLANGE WIDTH. BEAMS MUST BE ANCHORED AT EACH END WITH A MINIMUM OF FOUR 16d NAILS OR TWO 1/2" x 4" LAG SCREWS.

2. ENGINEERED WOOD BEAMS SHALL BE INSTALLED WITH ALL CONNECTIONS PER MANUFACTURER'S INSTRUCTIONS.

3. ALL BEAMS SHALL BE CONTINUOUSLY SUPPORTED LATERALLY AND SHALL BEAR FULL WIDTH ON THE SUPPORTING WALLS OR COLUMNS INDICATED WITH A MINIMUM OF THREE STUDS.

4. SOLID BLOCKING SHALL BE PROVIDED AT ALL POINT LOADS TO TRANSFER LOADS THROUGH FLOOR LEVELS. COLUMNS SHALL BE CONTINUOUS TO THE FOUNDATION OR TO OTHER STRUCTURAL ELEMENTS.

5. ENGINEERED WOOD FLOOR SYSTEMS AND ROOF TRUSS SYSTEMS SHALL BE PROVIDED FOR REVIEW AND COORDINATED WITH THE ENGINEER OF RECORD. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. ROOF TRUSS DRAWINGS SHALL BE SIGNED AND SEALED BY THE MANUFACTURER AND REVIEWED BY THE ENGINEER OF RECORD PRIOR TO CONSTRUCTION.

6. WALL BRACING REQUIREMENTS SHALL BE IN ACCORDANCE WITH SECTION R602.10 OF THE NORTH CAROLINA RESIDENTIAL

A. EXTERIOR WALLS ARE ASSUMED TO BE BRACED WALL LINES. ADDITIONAL INTERIOR WALLS MAY ALSO BE USED AS BRACED WALL LINES WHERE APPLICABLE. SEE PLAN FOR LOCATIONS.

B. THE EXTERIOR OF THE STRUCTURE SHALL BE CONTINUOUSLY SHEATHED WITH 1/2" WOOD STRUCTURAL SHEATHING (PLYWOOD OR OSB) PER CODE SECTION <u>R602.10.3</u>. EXTERIOR BRACED WALL LINES ARE ASSUMED TO BE BRACED WITH CS-WSP (WOOD STRUCTURAL PANEL) BRACED WALL PANELS. ALTERNATE BRACING METHODS, IF USED, MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE CODE AND MUST BE REVIEWED BY THE ENGINEER PRIOR TO CONSTRUCTION. C. INTERIOR BRACED WALL LINES ARE CONSIDERED TO BE BRACED WITH 1/2" GB (GYPSUM BOARD) BRACED WALL

PANELS. SEE TABLE <u>R602.10.2</u> FOR CONNECTION CRITERIA. D. SEE PLANS FOR SPECIAL WALL BRACING REQUIREMENTS FOR GARAGE WALLS AND OTHER WALLS WITH MULTIPLE OR LARGE OPENINGS. 7. STEEL FLITCH BEAMS SHALL BE FASTENED TOGETHER WITH 1/2"

DIAMETER BOLTS WITH WASHERS PLACED UNDER THE THREADED END OF THE BOLT. BOLTS SHALL BE SPACED AT MAXIMUM 24" o.c. STAGGERED TOP AND BOTTOM OF BEAM WITH A MINIMUM 2" EDGE DISTANCE. TWO BOLTS SHALL BE LOCATED AT 6" FROM EACH END OF FLITCH BEAM.

8. BRICK LINTELS SHALL BE 3 1/2 x 3 1/2 x 1/4 STEEL ANGLE FOR UP TO 6'-0" MAXIMUM SPAN AND 6 x 4 x 5/16 FOR SPANS GREATER THAN 6'-0".

9. BRICK LINTELS AT SLOPED AREAS SHALL BE 4 x 3 1/2 x 1/4 STEEL ANGLE WITH 16d NAILS IN 3/16" HOLES IN 4" ANGLE LEG AT 12" o.c. TO TRIPLE RAFTER. WHEN THE SLOPE EXCEEDS 4:12 A MINIMUM OF 3 x 3 x 1/4 PLATES SHALL BE WELDED AT 24" o.c. ALONG THE STEEL ANGLE.

FOUNDATION

1. MINIMUM ALLOWABLE SOIL BEARING CAPACITY IS ASSUMED TO BE 2000 PSF. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SOIL BEARING CAPACITY.

2. CONCRETE AND MASONRY FOUNDATION WALLS SHALL BE SELECTED AND CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF <u>SECTION R404</u> OR IN ACCORDANCE WITH ACI 318, NCMA TR68-A, OR ACI 530/ASCE 5/TMS 402.

3. MASONRY AND POURED CONCRETE WALL REINFORCEMENT SHALL BE IN ACCORDANCE WITH TABLES R404.1.1 (1 THROUGH 4) OF THE NORTH CAROLINA RESIDENTIAL CODE.

A. PER R404.1.3, TABLES ASSUME THAT WALLS HAVE PERMANENT LATERAL SUPPORT AT THE TOP AND BOTTOM. B. WALL REINFORCING SHALL BE PLACED ACCORDING TO FOOTNOTE (c) OF THE TABLES (REINFORCING IS NOT

CENTERED IN WALL). C. FOUNDATION DRAINS ARE ASSUMED AT ALL WALLS PER

4. WOOD SILL PLATES SHALL BE ANCHORED TO THE FOUNDATION WITH 1/2" ANCHOR BOLTS WITH MINIMUM 7" EMBEDMENT SPACED A MAXIMUM OF 6'-0" o.c. AND WITHIN 12" FROM THE ENDS OF EACH PLATE SECTION.

NOT EXCEED TEN TIMES THEIR LEAST DIMENSION. UNFILLED HOLLOW PIERS MAY BE USED IF THE UNSUPPORTED HEIGHT IS NOT MORE THAN FOUR TIMES THEIR LEAST DIMENSION.

6. CENTERS OF PIERS SHALL BEAR IN THE MIDDLE THIRD OF THE FOOTINGS, AND GIRDERS SHALL CENTER IN THE MIDDLE THIRD OF THE PIERS.

5. THE UNSUPPORTED HEIGHT OF SOLID MASONRY PIERS SHALL

7. ALL FOOTINGS SHALL HAVE MINIMUM 2" PROJECTION ON EACH SIDE OF FOUNDATION WALLS.

APPREVIATIONS

ABBREVIATIONS	
CONC	CONCRETE
CONT	CONTINUOUS
DBL	DOUBLE
DJ	DOUBLE JOIST
DSP	DOUBLE STUD POCKET
EA	EACH
FL PT	FLAT PLATE
FTG	FOOTING
HGR	HANGER
LVL	LAMINATED VENEER LUMBER
NTS	NOT TO SCALE
OC	ON CENTER
PT	PRESSURE TREATED
RS	RAFTER SUPPORT
SC	STUD COLUMN
SP	STUD POCKET
TJ	TRIPLE JOIST
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
XJ	EXTRA JOIST

SEAL NOT VALID UNLESS SIGNED AND DATED LOT 1 DIXON ROAD ONLY

INDICATED AND SIGNED PLANS MAY NOT BE COPIED. FAILURE TO NOTIFY THE ENGINEER OF ADDITIONAL USE OF THE PLANS WILL VOID THE LIABILITY OF ROSS LINDEN ENGINEERS PC.

EXTRA JOIST DRAWN BY: STRUCTURAL DESIGN IN ACCORDANCE WITH: NORTH CAROLINA STATE RESIDENTIAL CODE 2018 EDITION IRC ENGINEER'S SEAL APPLIES TO STRUCTURAL COMPONENTS ONLY AND DOES NOT CERTIFY ARCHITECTURAL LAYOUT OR DIMENSIONAL ACCURACY. SEAL APPLIES ONLY FOR LOT NUMBER

709 W. JONES STREET

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