

TRIPLE A HOMES

Lot 66 Mill Bend

Fuquay-Varina, North Carolina

INDEX TO DRAWINGS

- C COVER SHEET
- 1 FRONT & REAR ELEVATIONS
- 2 LEFT & RIGHT SIDE ELEVATIONS
- 3 FIRST FLOOR PLAN
- 4 SECOND FLOOR PLAN
- 5 ROOF PLAN

- S1 FOUNDATION PLAN
- S2 CRAWLSPACE FRAMING PLAN
- S3 FIRST FLOOR FRAMING PLAN
- S4 SECOND FLOOR FRAMING PLAN
- S5 ROOF FRAMING PLAN
- SD1 STRUCTURAL DETAILS
- SD2 STRUCTURAL DETAILS
- SD3 STRUCTURAL DETAILS

GENERAL NOTES

1. ALL WORK TO BE DONE IN STRICT ACCORDANCE WITH NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE, 2024 EDITION (HEREWITH SHOWN AS N.C.S.R.B.C.).
2. DIMENSIONS SHOWN ON DRAWINGS GOVERN OVER SCALE.
3. STUD WALL DESIGN SHALL CONFORM TO ALL N.C.S.R.B.C. REQUIREMENTS
4. CONTRACTOR SHALL USE TEMPERED SAFETY GLASS IN ALL LOCATIONS AS REQUIRED BY N.C.S.R.B.C., 2024 EDITION, SECTION R308.4.
5. ANY HABITABLE ROOM SHALL MEET ALL LIGHT, VENTILATION, AND EGRESS AS REQUIRED BY N.C.S.R.B.C. 2024 EDITION, SECTIONS R-303.1 AND R-310.1.
6. ALL EXTERIOR WALLS SHOWN ON FLOOR PLANS ARE 2X4 FRAME UNLESS NOTED OTHERWISE. ALL INTERIOR WALLS SHOWN ON FLOOR PLANS ARE 2X4 FRAME UNLESS NOTED OTHERWISE.
7. ALL ANGLED WALLS SHOWN ON FLOOR PLANS ARE 45 UNLESS NOTED OTHERWISE.
8. ALL WINDOWS SHALL HAVE A MINIMUM DPI RATING OF 22. BUILDER SHALL VERIFY WITH WINDOW MANUFACTURER THAT UNITS INSTALLED MEET THESE REQUIREMENTS AS PER N.C.S.R.B.C., 2024 EDITION, TABLE 301.2(6).
9. ENERGY EFFICIENCY REQUIREMENTS FOR THE SPECIFIC CLIMATE ZONE WHERE STRUCTURE IS BEING BUILT SHALL BE IN ACCORDANCE WITH CHAPTER 11 OF THE N.C.S.R.B.C., 2024 EDITION, AS SHOWN IN SECTION N1101.2.

FOUNDATION VENTILATION CALCULATIONS

REFERENCE: N.C.S.R.B.C. 2024 EDITION
SECTION R408

NOT APPLICABLE WITH SEALED CRAWL
FOUNDATIONS

ATTIC VENTILATION REQUIREMENTS

NATURAL ROOF VENTILATION CALCULATIONS
1944 SF / 150 = **12.96** SF VENT REQ'D

MECHANICAL ROOF VENTILATION CALCULATIONS
1944 SF / 300 = **6.48** SF VENT REQ'D

BUILDER TO PROVIDE APPROPRIATE
VENTILATING AS REQUIRED PER CODE

OVERALL DIMENSIONS

WIDTH: 39'-6"

DEPTH: 52'-7"

RESIDENTIAL BUILDING CODE SUMMARY

1. PLANS ARE DESIGNED TO THE 2024 N.C.S.R.B.C.
2. HOUSE IS DESIGNED FOR 115 MPH ULTIMATE DESIGN WIND SPEED (89 MPH NOMINAL DESIGN WIND SPEED), EXPOSURE B.
3. ANCHOR BOLTS SHALL BE MIN. 1/2" DIAMETER AND SHALL EXTEND 7" MIN. INTO MASONRY OR CONCRETE. BOLTS TO BE NO MORE THAN 6' O.C. AND WITHIN 12" FROM THE CORNER.
4. MEAN ROOF HEIGHT: 32'-4"
5. COMPONENT & CLADDING DESIGNED FOR THE FOLLOWING LOADS:

MEAN ROOF HGT:	UP TO 30'	30'-1" TO 35'	35'-1" TO 40'	40'-1" TO 45'
ZONE 1	16.5,-18.0	17.3,-18.9	17.3,-18.9	17.3,-18.9
ZONE 2	16.5,-21.0	17.3,-22.1	17.3,-22.1	17.3,-22.1
ZONE 3	16.5,-21.0	17.3,-22.1	17.3,-22.1	17.3,-22.1
ZONE 4	18.0,-19.5	18.9,-20.5	18.9,-20.5	18.9,-20.5
ZONE 5	18.0,-24.1	18.9,-25.3	18.9,-25.3	18.9,-25.3

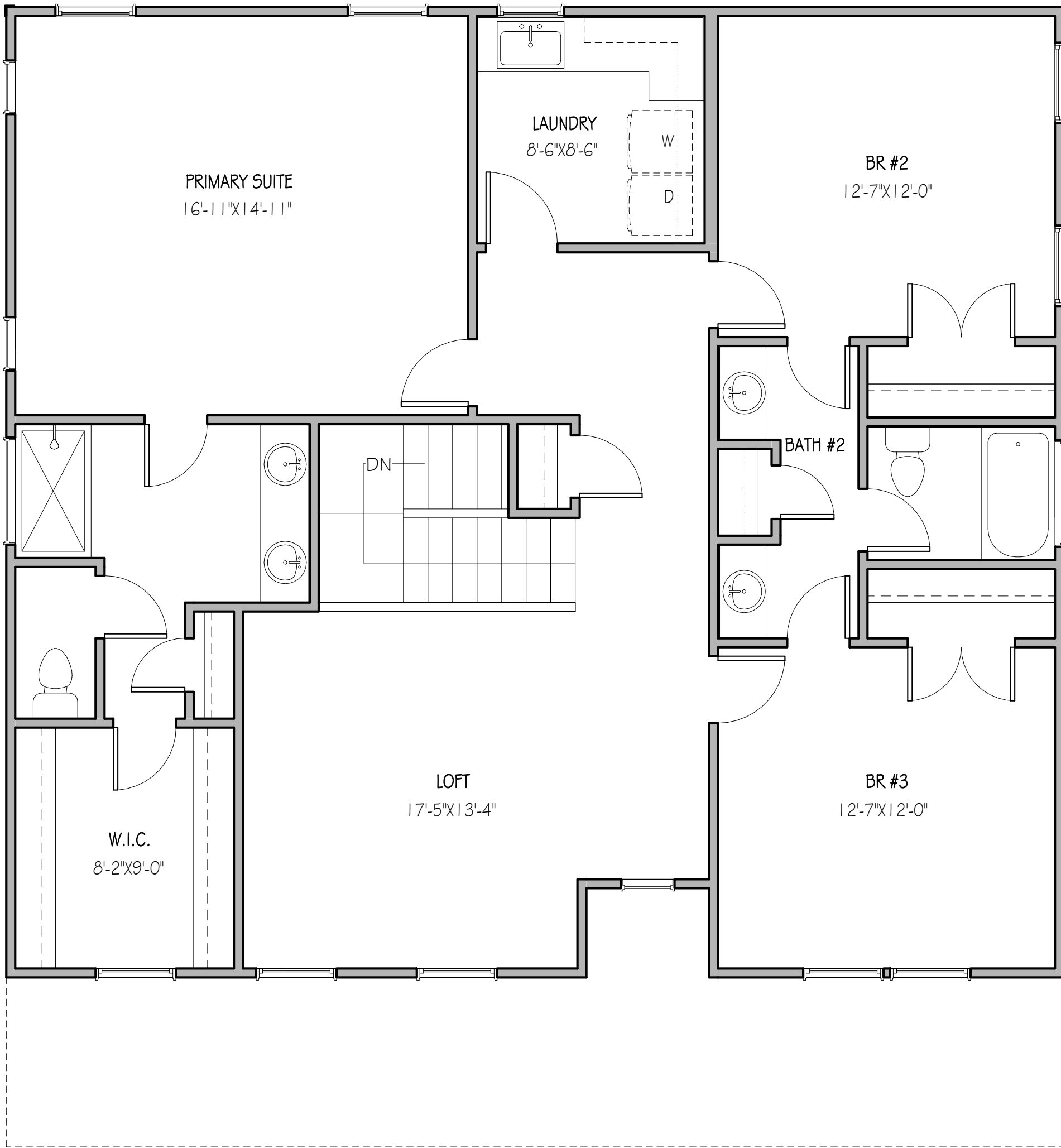
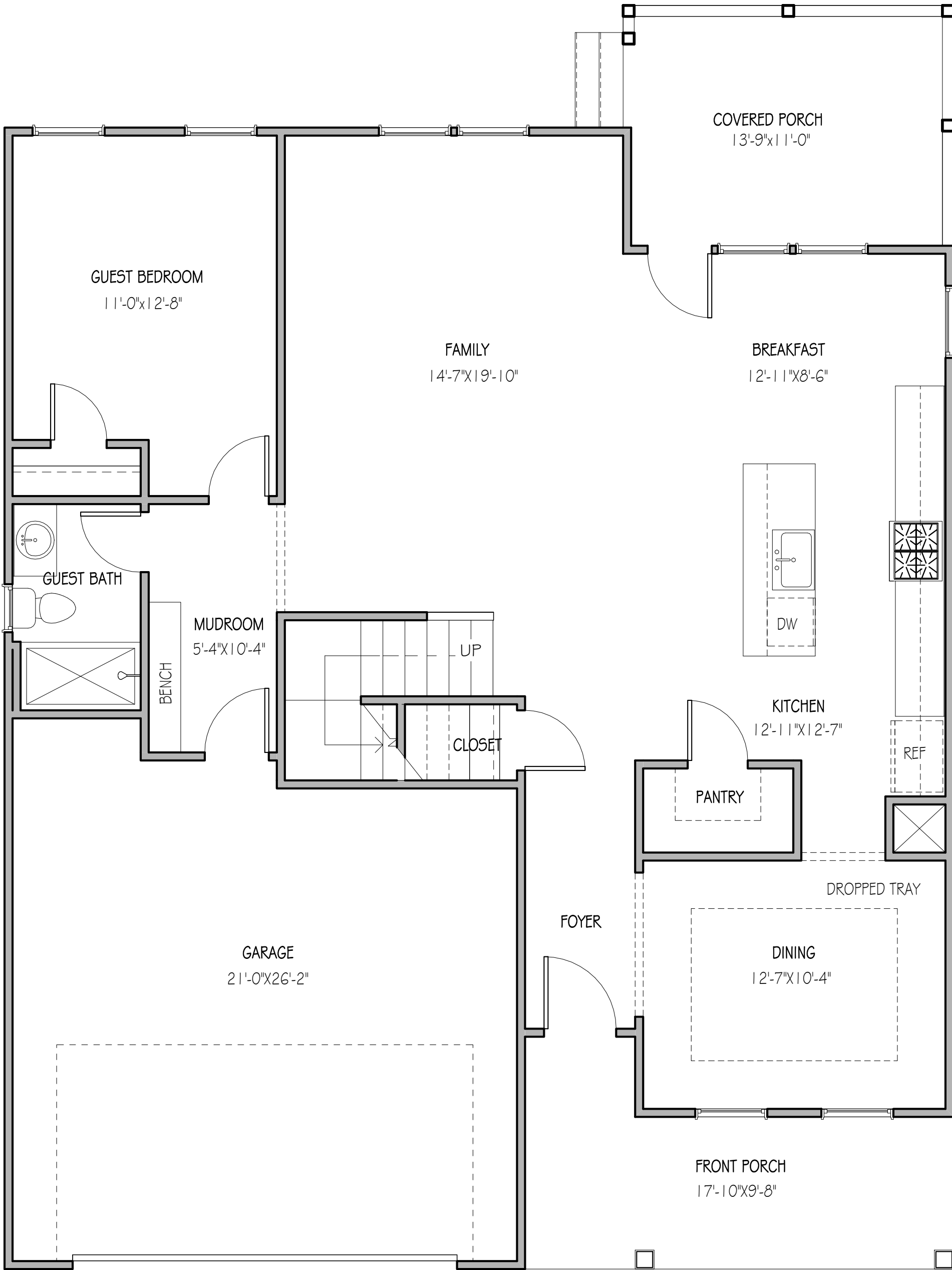
6. MINIMUM VALUES FOR ENERGY COMPLIANCE: Zone 4

7. MAXIMUM GLAZING U-FACTOR: .35

8. INSULATING VALUES:
CEILING: R-38
WALLS: R-15
FLOOR: R-19
SLABS: R-10
CODE REFERENCE: TABLE N1102.1.2

AREA CALCULATIONS

	HEATED (SQ. FT.)	UNHEATED (SQ. FT.)
1ST FLOOR:	1226	GARAGE: 456
2ND FLOOR:	1362	FRONT PORCH:128
TOTAL:	2588	COVERED PORCH: 134
		TOTAL: 718



Date Drawn

10/21/25

Revision Date

Sheet

C



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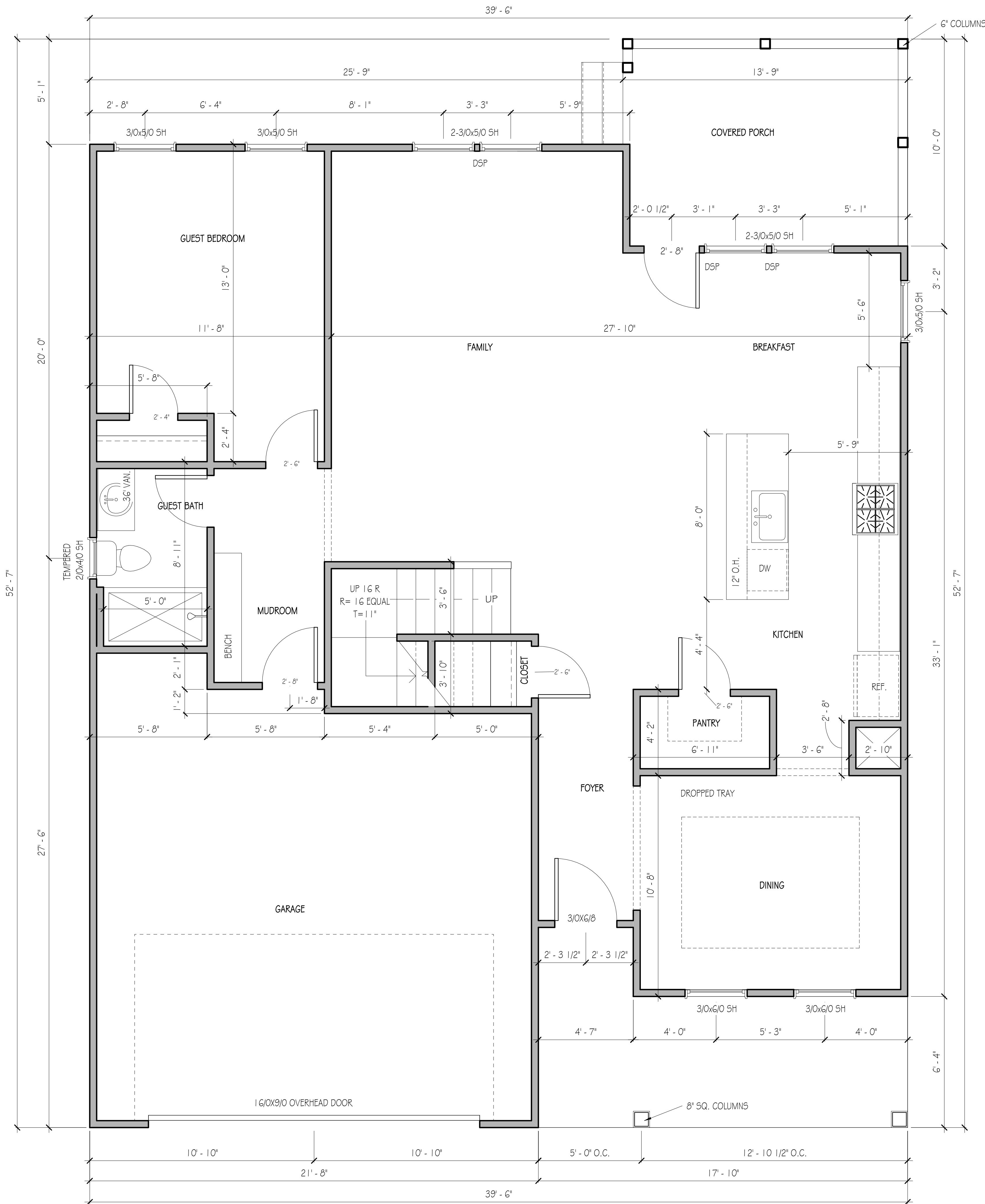
LOT 66, MILL BEND
FUQUAY-VARINA, NORTH CAROLINA

1



LOT 66, MILL BEND
FUQUAY-VARINA, NORTH CAROLINA

2



NOTES:
FIRST FLOOR
-ALL WALLS ARE DRAWN 4" THICK U.N.O.
-ANGLED WALLS ARE DRAWN @ 45 U.N.O.
-9'-0" CEILING HEIGHT (TYP.) U.N.O.
-ALL DOORS AND CASED OPENINGS TO BE 6'-8" TALL U.N.O.
-ROUGH FRAME ALL CASED OPENINGS 2" BIGGER THAN FINISHED OPENING CALLS FOR
-PROVIDE 2X4 BLOCKING FOR TOILET PAPER HOLDER, TOWEL BARS, AND MEDICINE CABINET
-SET WINDOWS @ 8'-0" A.F.F. (TYP.) U.N.O.
-STAIRS: UP 1GR (TYP) FIRST FLOOR TO SECOND FLOOR
-SMOKE DETECTOR LOCATION AND NUMBER SHALL CONFORM TO NEC.

BOTTOM OF WINDOW CLEAR OPENINGS SHALL BE MORE THAN 24" A.F.F. OR A FALL PREVENTION DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R312.2.1 OF THE 2024 NC BUILDING CODE.

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FUQUAY-VARINA, NORTH CAROLINA

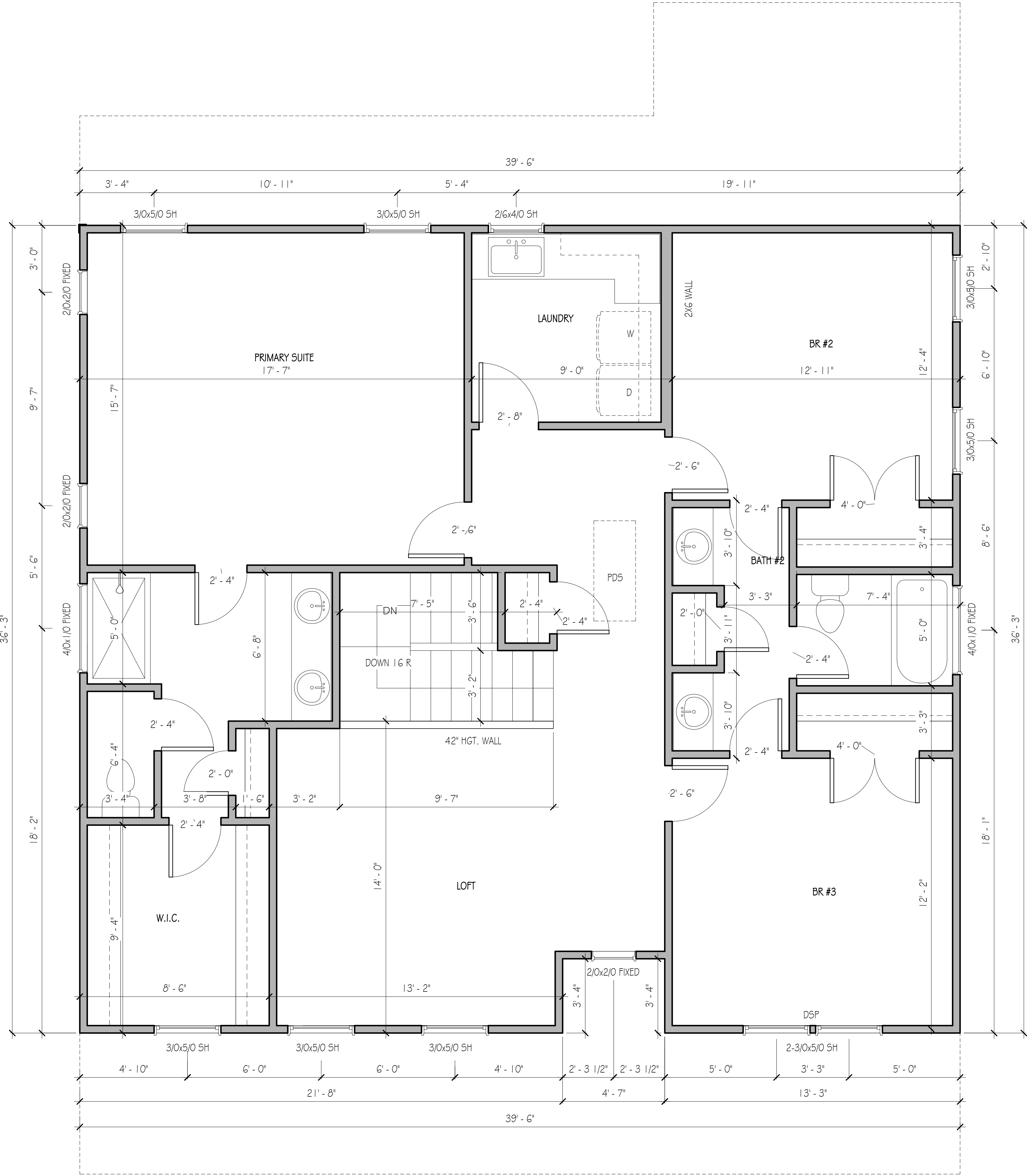
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3



SECOND FLOOR
3/8" = 1'-0"

NOTES:
-SECOND FLOOR
-ALL WALLS ARE DRAWN 4" THICK U.N.O.
-ANGLED WALLS ARE DRAWN @ 45 U.N.O.
-9'-0" CEILING HEIGHT (TYP.) U.N.O.
-ALL DOORS AND CASED OPENINGS TO BE 6'-8" TALL U.N.O.
-ROUGH FRAME ALL CASED OPENINGS 2" BIGGER THAN FINISHED OPENING CALLS FOR-PROVIDE 2X4 BLOCKING FOR TOILET PAPER HOLDER, TOWEL BARS, AND MEDICINE CABINET
-SET WINDOWS @ 7'-6" A.F.F. (TYP.) U.N.O.
-STAIRS: DOWN 16 R (TYP) SECOND FLOOR TO FIRST FLOOR
-SMOKE DETECTOR LOCATION AND NUMBER SHALL CONFORM TO NEC.

BOTTOM OF WINDOW CLEAR OPENINGS SHALL BE MORE THAN 24" A.F.F. OR A FALL PREVENTION DEVICE SHALL BE INSTALLED IN ACCORDANCE WITH SECTION R312.2.1 OF THE 2024 NC BUILDING CODE.

TRIPLE A HOMES
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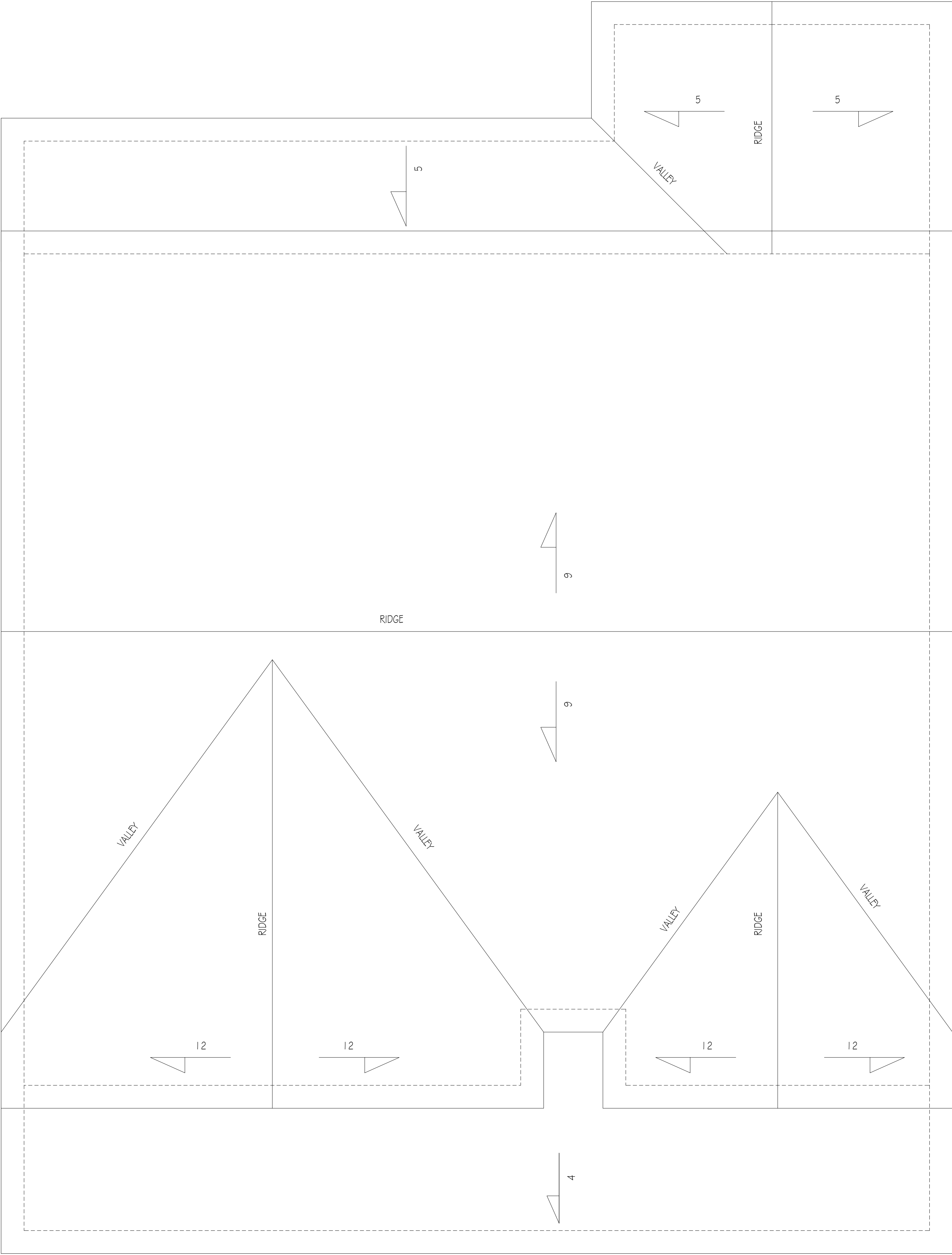
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4



ROOF PLAN
3/8" = 1'-0"

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