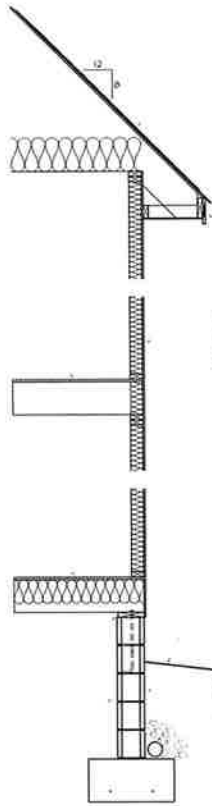


PROVIDENCE DEVELOPMENT COMPANY, INC
 2521 NEWBOLD STREET
 RALEIGH, NC 27603
 155/E DATE: 7/25/24, REV. 10/10/24

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A TYPICAL WALL SECTION
3/4" = 1'-0"

ROOF SHALL BE 30-YEAR SHINGLE ATOP R30 VAPOR BARRIER ATOP 1" OSB SHEATHING ATOP ROOF TRUSSES SPACED PER MANUFACTURER.

1/4" FASCIA OVER 2x4 SUBFASCIA w/ 1" AC FLEXWOOD SOFFIT w/ 1" CONTINUOUS SOFFIT VENT

EXTERIOR WALLS ARE 2x4 STUDS @ 16" O.C. w/ R-0 FACED BATT INSULATION (MIN. 2" DRN SHEATHING) FINISH OR EQUAL, ROOFING AND SIDING AS CHOSN BY CONTRACTOR

PROVIDE POSITIVE DRAINAGE MINIMUM OF 6" FROM HOUSE

WATERPROOFING FROM GRADE LINE DOWN TO AND OVER FOOTING

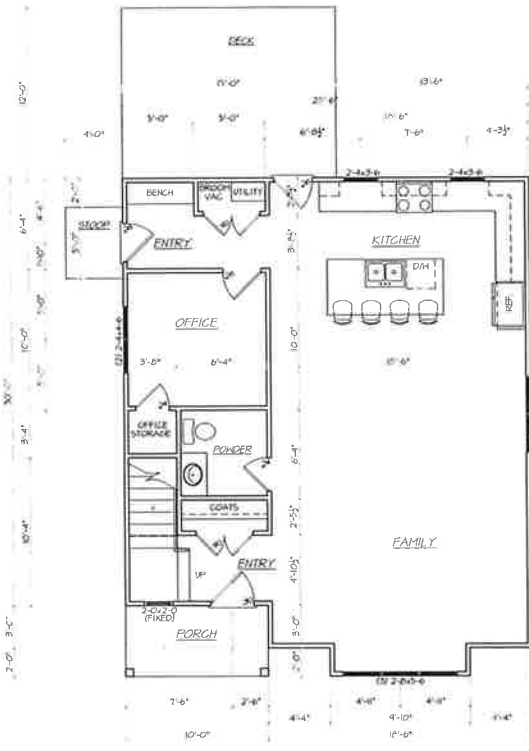
4" PERFORATED PLASTIC FOUNDATION DRAIN ATOP FOOTING SURROUNDED w/ GRADED STONE TO WITHIN 3" OF FINAL FINISH GRADE

1" TONGUE AND GROOVE SHEATHING GLEUED AND SCREWED TO ENGINEERED FLOOR SYSTEM

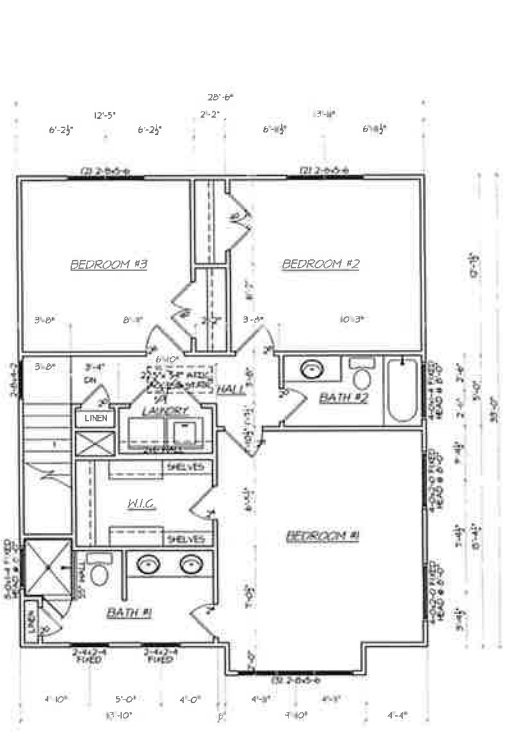
3/4" TONGUE AND GROOVE SHEATHING GLEUED AND SCREWED TO FLOOR SYSTEM w/ R-11 FACED BATT INSULATION (MIN)

1" 2x4 MDX SILL w/ 1/2" DIA ANCHOR BOLTS @ 6" O.C. AND 12" FROM CORNERS OR SPLICES EMBEDDED IN CONCRETE FILLED CELLS OF BUDGE WALL

FOUNDATION WALL SHALL BE 8" CONCRETE BLOCK ATOP 30" WIDE x 10" DEEP CONCRETE FOOTING w/ 2 #4 REBARS RUNNING CONTINUOUSLY



B LOWER LEVEL FLOOR PLAN
1/4" = 1'-0"



C UPPER LEVEL FLOOR PLAN
1/4" = 1'-0"

SQUARE FOOTAGES

| | |
|--------------------|---------|
| MAIN LEVEL HEATED | 1830 SF |
| UPPER LEVEL HEATED | 1550 SF |
| TOTAL HEATED | 1940 SF |
| COVERED PORCHES | 70 SF |
| DECK | 150 SF |

- GENERAL NOTES**
- ALL ASPECTS OF THIS DESIGN SHALL BE PER 2018 NORTH CAROLINA STATE BUILDING CODE: RESIDENTIAL CODE
 - ALL GLAZING IN HAZARDOUS LOCATIONS BASED ON SECTION R308.4 SHALL BE TEMPERED
 - ALL SLEEPING AREAS SHALL INCLUDE A MEANS OF ESCAPE THROUGH A DOOR OR WINDOW THAT MEETS SECTION R302.2

STAIR NOTES

| | |
|--|----------------|
| MAIN LEVEL CEILING HEIGHT | 11'-11" |
| SECOND FLOOR THICKNESS | 1'-2" |
| FLOOR TO FLOOR HEIGHT | 10'-4" |
| PROVIDE 15 TREADS AND 16 RISERS | |
| TREAD DEPTH | 10 1/4" NOSING |
| RISER HEIGHT | 7" |
| ALL ASPECTS OF STAIR CONSTRUCTION SHALL BE ACCORDING TO SECTION R301 | |

ATTIC VENTILATION CALCULATIONS PER CODE SECTION R306
 TOTAL ATTIC AREA TO BE VENTED = 1294 SF
 1034 / 300 = 3.56 SF VENTILATION REQUIRED
 SOFFIT VENT PROVIDES 4.50 SF IN PER L.P.
 60 L.P. SOFFIT VENT PROVIDES 544.50 IN OR 413 SF VENT AREA
 RIDGE VENT PROVIDES 17.50 IN PER LIN FT
 41 LIN FT. RIDGE PROVIDES 641.50 IN OR 324 SF VENT AREA
 413 SF + 641 SF = 641.50 TOTAL SF VENT PROVIDED

CRAWLSPACE VENTILATION CALCULATIONS PER CODE SECTION R408.11
 TOTAL CRAWLSPACE AREA TO BE VENTED = 841 SF
 841 / 150 = 5.61 SF VENTILATION REQUIRED (SEE 502.B.1)
 20" W/ PLASTIC VENT PROVIDES 49.50 IN PER VENT
 15 FOUNDATION VENTS REQUIRED IF CRAWLSPACE IS VENTED
 ***** THIS CRAWLSPACE TO BE SEALED *****

INSULATION & ENERGY NOTES

CLIMATE ZONE = 4A

MINIMUM EXT. HALL INSULATION VALUE = R-5

MINIMUM ROOF/ATTIC INSULATION VALUE = R-30
 IF CONTINUOUS OVER THE WALL TOP PLATE (R402.1.2, NOTE L), OTHERWISE R-30

MINIMUM FLOOR INSULATION VALUE = R-11

MINIMUM CRAWLSPACE/BASEMENT WALL INSULATION VALUE = R10/5 (R402.1.2, NOTE C)

MINIMUM SLAB EDGE INSULATION VALUE = R-10

MINIMUM GLAZING REQUIREMENTS =
 PENETRATION U-FACTOR = 0.35 OR LESS
 PENETRATION SHGC = 0.30 OR LESS

THESE DRAWINGS ARE CONTRACTED & AS OF THE DATE OF ISSUE AND MAY NOT BE USED TO CREATE CONTRACTS, PERMITS, OR ANY OTHER LEGAL INSTRUMENTS WITHOUT THE EXPRESS PERMISSION OF BROCK KING

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