## LIST OF ABBREVIATIONS

CLG.: CEILING HGT.: HEIGHT D.O.: DOUBLE OVEN WD.: WOOD CONT.:CONTINUOUS

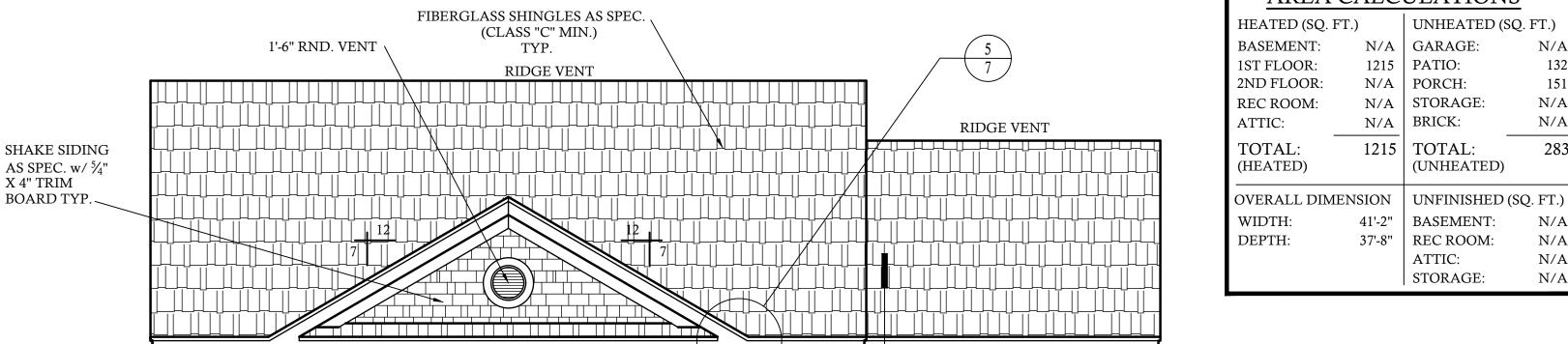
CONC.: CONCRETE COL.: COLUMN ELLIP.: ELLIPSE

ABV.: ABOVE C.O.: CASED OPENING REFG.: REFRIGERATOR D.W.: DISHWASHER T.B.D.: TO BE DETERMINED W.I.C.: WALK IN CLOSET

W: WASHER D: DRYER SHWR.: SHOWER W/: WITH DN.: DOWN TRANS.: TRANSOM K.S.: KNEE SPACE NOTE: PLANS DESIGNED UNDER 2018 NORTH CAROLINA RESIDENTIAL CODE.

NOTE: SEE ROOF PLAN FOR KNEEWALL HEIGHTS AND LOCATIONS.

GRADE LINES ARE ASSUMED. VERIFY WITH FINAL GRADING PLAN.



FRONT ELEVATION

SCALE: 1/4"=1'-0"

### **ACCESSORIES LEGEND**

PROVIDE BLOCKING FOR:

TB = TOWEL BARMR = MAGAZINE RACK TP = TOILET PAPERMC = MEDICINE CABINET TR = TOWEL RING

## GENERAL PLAN NOTES

- 1.) SEE CHAPTER 6 OF 2018 NCRC FOR WALL CONSTRUCTION.
- 2.) TEMPERED GLASS TO BE USED AT ALL SAFETY REQUIRED LOCATIONS ACCORDING TO 2018 NCRC SECTION R308.4.
- 3.) DWELLING/GARAGE FIRE SEPARATION SHALL PER TABLE 302.6 OF 2018 NCRC.
- 4.) ALL HABITABLE ROOMS SHALL MEET LIGHT/VENTILATION & EGRESS AS REQUIRED IN 2018 NCRC SECTIONS R303.1 AND R310
- 5.) ALL ANGLED WALLS ARE 45° UNLESS NOTED 9.) ALL CABINET DESIGNS/LAYOUTS TO BE OTHERWISE.

6" COLS

TYP.

- 6.) VERIFY ALL WINDOW SIZES, RADIUS, AND DETAILS WITH CHOSEN MANUFACTURE.
- 7.) LOCATE DORMER FACE TO ALLOW 4" MIN. BELOW WINDOW FRAME.
- 8.) FLOOR PLAN NOTATIONS GOVERN OVER ELEVATION SCALE.
- VERIFIED WITH OWNER VIA SHOP DRAWINGS FROM CABINET MANUF.

BRICK FOUNDATION AS PER

OWNER / BUILDER SELECTION

- 10.) ALL FLOOR COVERINGS AND FINISHES BY OWNER/ BLDR. COORDINATE HEIGHTS DUE TO THICKNESS CHANGES.
- 11.) ALL WINDOW GLAZING TO HAVE 0.32 U-FACTOR MIN. SEE TABLE E-4A, E-4B
- 12.) FINISHES OF SCREEN PORCH COLUMNS, RAILS, FLOORS, CEILINGS; SCREEN DOOR SYSTEM, AND DOOR TO PORCH BY BLDR. & OWNER, PER CONTRACT SPECIFICATIONS

1'-0" O.H. TYP.

8" MIN MASONRY

FROM GRADE TO

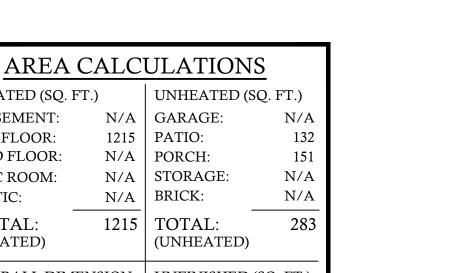
SIDING (TYP)

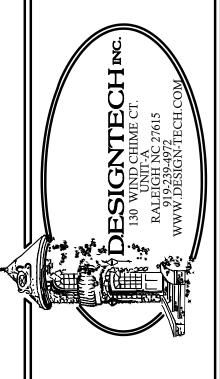
4" BAND · W/ CROWN

SIDING AS SPEC. w/ 1/4" X 4" TRIM BOARD TYP.

RAISED PANEL SHUTTERS TYP.

- 13.) FINISHES FOR CLOSET SHELVING AND ROD BY BLDR. & OWNER, PER CONTRACT **SPECIFICATIONS**
- 14.) FINISHES OF ALL INTERIOR BASE BOARD, CLG. DETAIL / MOLDING, OPENING DETAILS, PASS-THRUS, WAINSCOTTING DETAILS BY BLDR. & OWNER, PER CONTRACT **SPECIFICATIONS**





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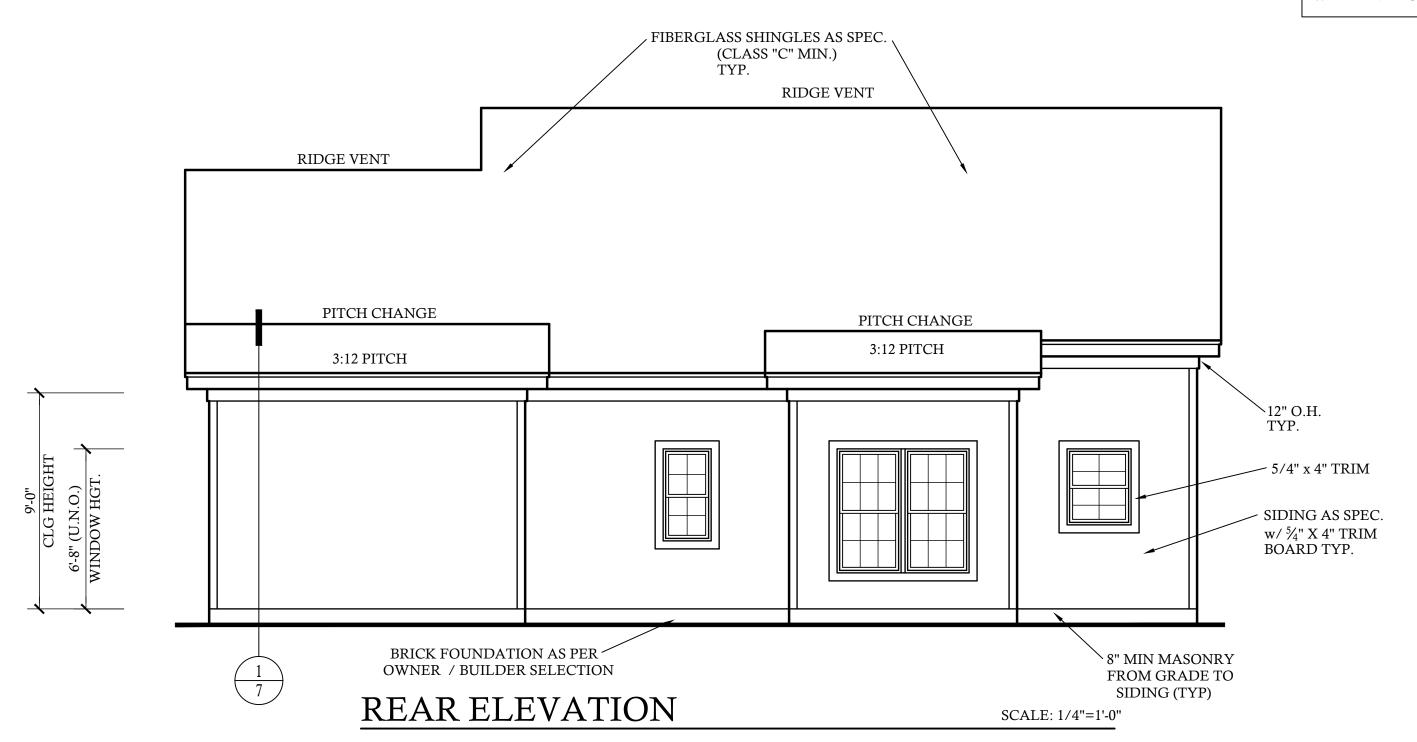
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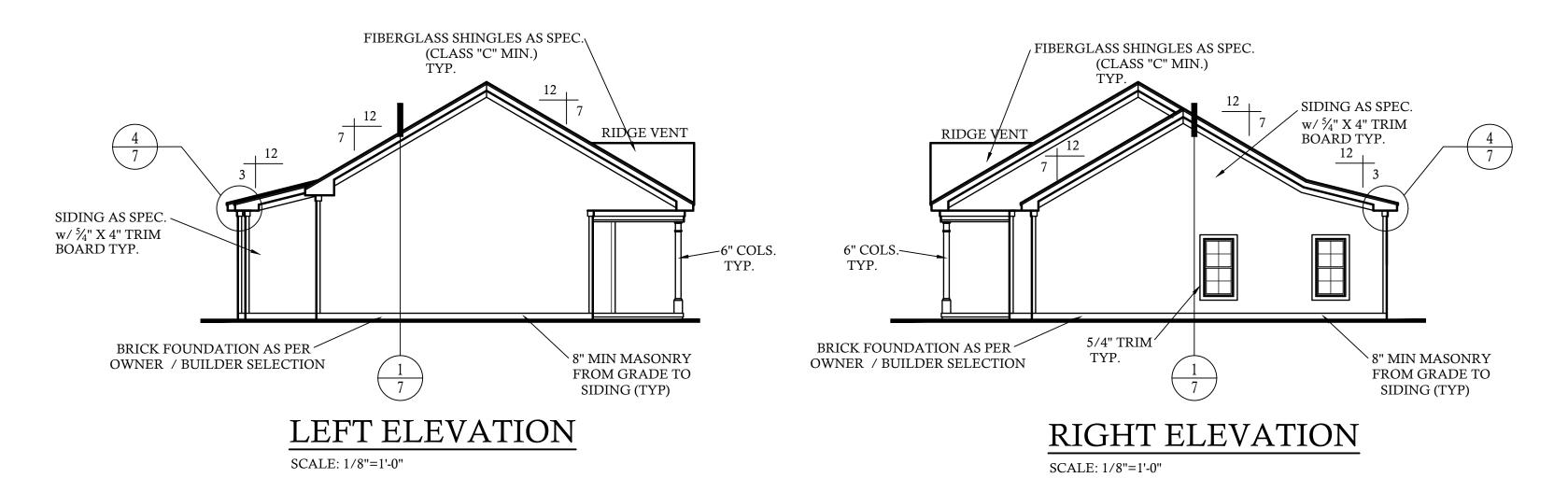
5-DT 1016 RED HILL RD 2 10-1

SHEET NO

NOTE: SEE ROOF PLAN FOR KNEEWALL HEIGHTS AND LOCATIONS.

GRADE LINES ARE ASSUMED. VERIFY WITH FINAL GRADING PLAN.

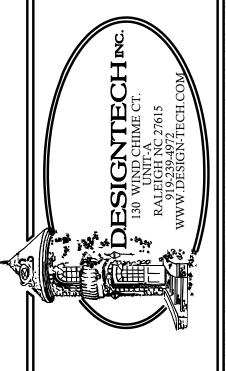




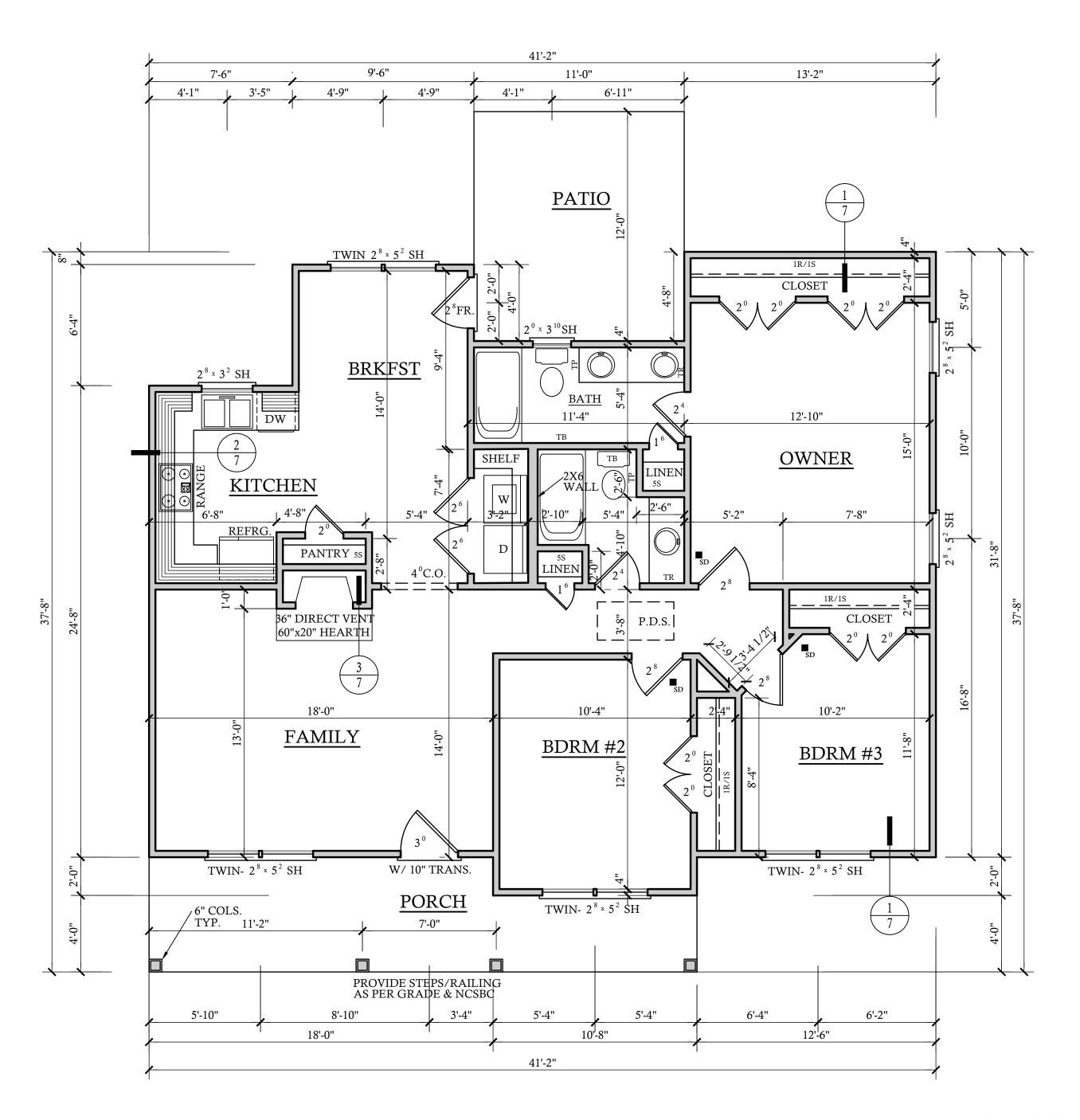
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10-1215-DT 1016 RED HILL RD

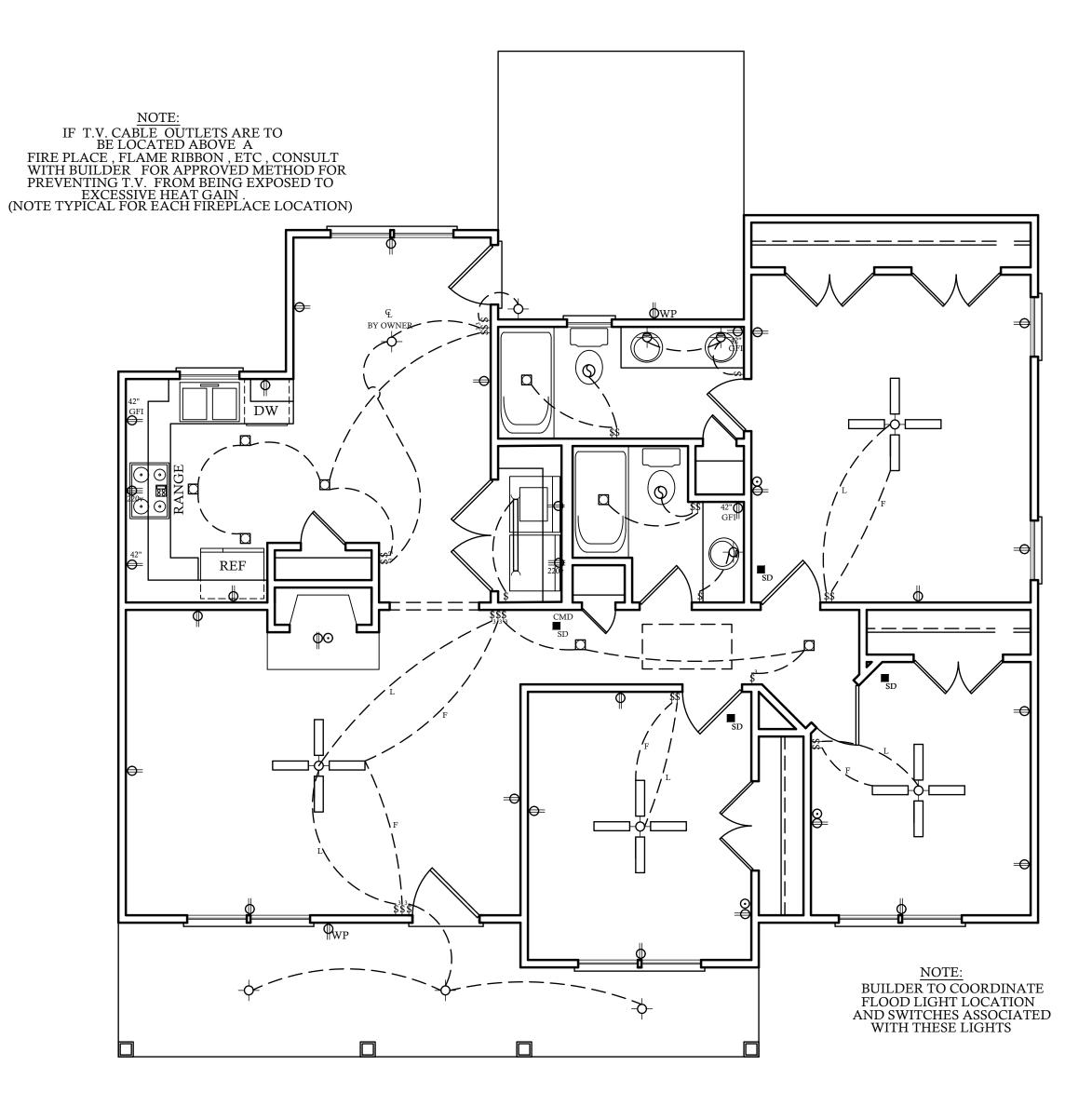


CEILING JOISTS PER TRUSS MANUF.

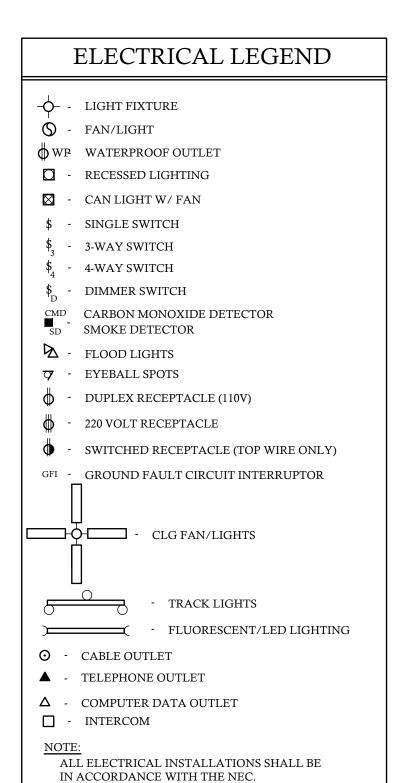
FIRST FLOOR PLAN

SCALE: 1/4"=1'-0"

9'-0" CLG. HGT. U.N.O. SET WINDOWS @ 6'-8" U.N.O. DATE: NAME: DRAWN BY: RKR/GES CHECKED BY: JCD DATE: 7-26-23 PLAN NO. 10-1215-DT 10-1215-DT 1016 RED HILL RD



FIRST FLOOR ELECTRICAL PLAN



### **ELECTRICAL NOTES:**

- 1. THE ELECTRICAL DIAGRAMS SHOWN ON THESE PLANS ARE TO BE USED AS A GUIDE. HOME OWNER AND BUILDER ARE REQUIRED TO REVIEW AND CONFIRM WITH LICENSED ELECTRICAL CONTRACTOR THESE CONTENTS PRIOR TO ROUGH-IN FOR CODE COMPLIANCE AND SPECIAL REQUIREMENTS BY THE HOME OWNER. ONCE CONSTRUCTION BEGINS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR, NOT DESIGN TECH, INCORPORATED.
- 2. SEE ELECTRICIAN, BUILDER, AND OWNER FOR POSSIBLE GENERATOR LOCATION, SWITCHES, RECEPTACLES, AND ATTACHMENTS. COORDINATE SIZE AND MODEL OF GENERATOR TO HANDLE LOADS ADEQUATELY.
- 3. UNDER-CABINET COUNTER LIGHTING FOR KITCHEN IS OPTIONAL. PLEASE CONFIRM WITH CABINET MAKER AND ELECTRICIAN.
- 4. ELECTRICAL FOR EXTERIOR LANDSCAPE LIGHTING AND POOL EQUIPMENT BY BUILDER AS PER CODE.
- 5. IT IS AN OPTION FOR EVERY TOP RECEPTACLE AT FRONT WINDOWS TO BE ON ONE SWITCH LOCATED BY OWNER/BUILDER FOR WINDOW DECORATION LIGHTING.
- 6. CLOSET LIGHTING TO BE CONTROLLED BY SWITCH AS SHOWN OR IN-JAMB SWITCH WHICH WOULD ILLUMINATE LIGHT WHEN DOOR IS OPENED. SOME ELECTRICAL PLANS MAY OR MAY NOT SHOW CLOSET LIGHTING. SEE OWNER AND CONFIRM WITH BUILDER.
- 7. EXHAUST FANS ARE REQUIRED IN BATHROOMS WITHOUT NATURAL VENTILATION. OUR PLANS WILL ALWAYS SHOW EXHAUST FAN.
- 8. NO HEAT LAMPS OR HEATERS MAY BE SHOWN IN THIS DRAWING. PLEASE CONFIRM WITH BUILDER FOR PRESENCE AND LOCATION
- 9. ALL SLEEPING AREAS/BEDROOMS SHOULD CONTAIN SMOKE DETECTORS. SOME CORRIDORS ALSO REQUIRE SMOKE DETECTORS. PLEASE SEE LOCAL, STATE, AND FEDERAL BUILDING CODES TO CONFIRM THESE REQUIREMENTS.
- 10. PANEL BOX LOCATION BY ELECTRICIAN/BUILDER AS PER CODE.

**REVISIONS:** 

DATE:

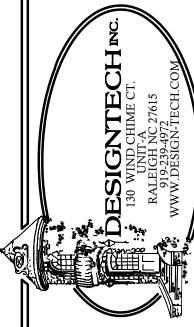
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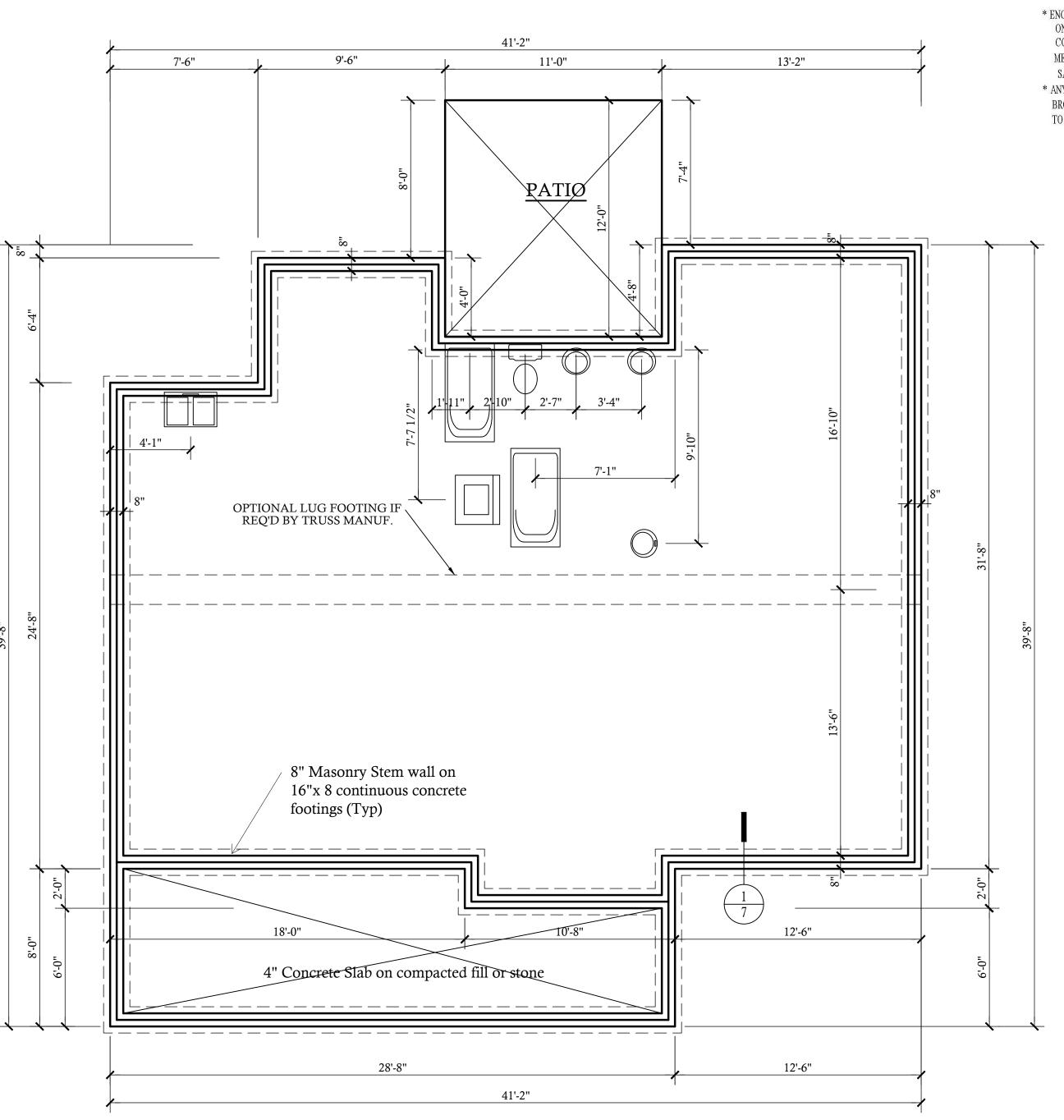
PLAN NO. 10-1215-DT



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**A** [] **B D**®

SHEET OF



STRUCTURAL EVALUATION BY: HOWERTON SERVICES, PLLC 3513 CATHEDRAL BELL ROAD RALEIGH, NC 27614 LICENSE P-1716

\* ENGINEER'S SEAL APPLIES ONLY TO STRUCTURAL COMPONENTS ON THIS DOCUMENT. SEAL DOES NOT INCLUDE CONSTRUCTION REVIEW,

MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES OR SAFETY PRECAUTIONS.

\* ANY DEVIATIONS OR DISCREPANCIES ON PLANS ARE TO BE TO DO SO WILL VOID ENGINEER'S LIABILITY.

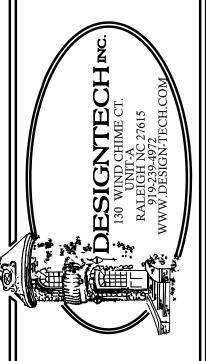


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10-1215-DT

STEM WALL FOUNDATION PLAN SCALE: 1/4"=1'-0"

# All Roof Members to be Trusses by Others

## ROOF VENTILATING REQUIREMENTS

 $\frac{\text{SQ.FT. OF AREA}}{\text{VENTILATED}} \frac{1307}{150} \quad (144) = \frac{1254.7}{\text{ATTIC VENTILATION REQ'D}}$ 

NOTE: FIGURE BASED ON SECTION R-806.2 OF THE 2018 NCRC .

MINIMUM NET FREE VENTILATING AREA IS PERMITTED

TO BE REDUCED TO 1 TO 300

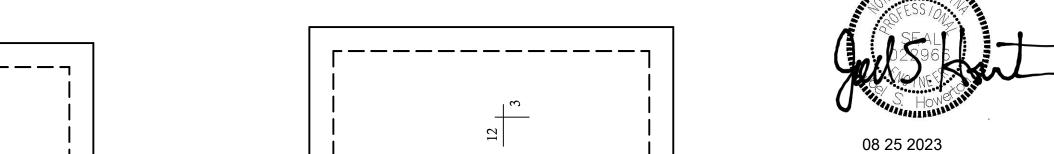
WHEN CONDITIONS ARE MET AS PER SECTION R806.2 OF THE 2018 NCRC

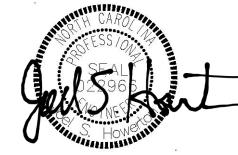
INLET:

 $\underline{1254.7}$  (.5) =  $\underline{627.4}$  SQ. IN. OF INLET VENTING REQ'D

OUTLET:

1254.7 (.5) = 627.4 SQ. IN. OF OUTLET VENTING REQ'D





## BRACED WALL NOTES:

- 1. BRACED WAILS ARE REQUIRED PER SECTION R602.10.1 2018 NCBC RESIDENTIAL CODE
- 2. THE EXTERIOR WALL STRUCTURE SHALL BE CONTINUOUSLY SHEATHED, FULL HEIGHT WITH MIN. THICKNESS 7/16" OSB. THESE WALLS SHALL BE CONSTRUCTED IN CONFORMANCE TO TYPE CS-WSP DETAILS. REFER TO PLAN FOR LOCATION OF REQUIRED BRACING LABLED "CS BRACING" AND LENGTH OF WALL BRACING LABELED IN LINEAR FEET.
- 3. INTERIOR WALLS WHERE NOTED SHALL BE BRACED PER INDICATED METHOD IN REFERENCE TO NCBC-RESIDENTIAL CODE, TABLE R602.10.2.

INSTALL 1X4 WOOD OR CONTINUOUS METAL STRAPPING AT 45 DEGREES TO 60 DEGREES FROM TOP PLATE TO BOTTOM PLATE ACROSS STUDS WITH MAXIMUM STUD SPACING OF 16" ON CENTER. CONNECT AS INDICATED IN CODE SECTION.

MINIMUM \$\bar{\ell}\_2\$" GYPSUM BOARD TURNED VERTICALLY AND CONTINUOU FROM TOP PLATE TO BOTTOM PLATE. SCREW CONNECTION TO FRAMING USING SPACING CRITERIA AS

- 4. SPECIAL BRACING DETAILS ARE ILLUSTRATED IN THE CODE AND ALLOWED WHERE WALLS DO NOT MEET THE MINIMUM REQUIREMENTS FOR SUPPORT.
- 5. SEE TABLE R602.7.5 FOR CORRECT NUMBER OF KING STUDS PER HEADER.

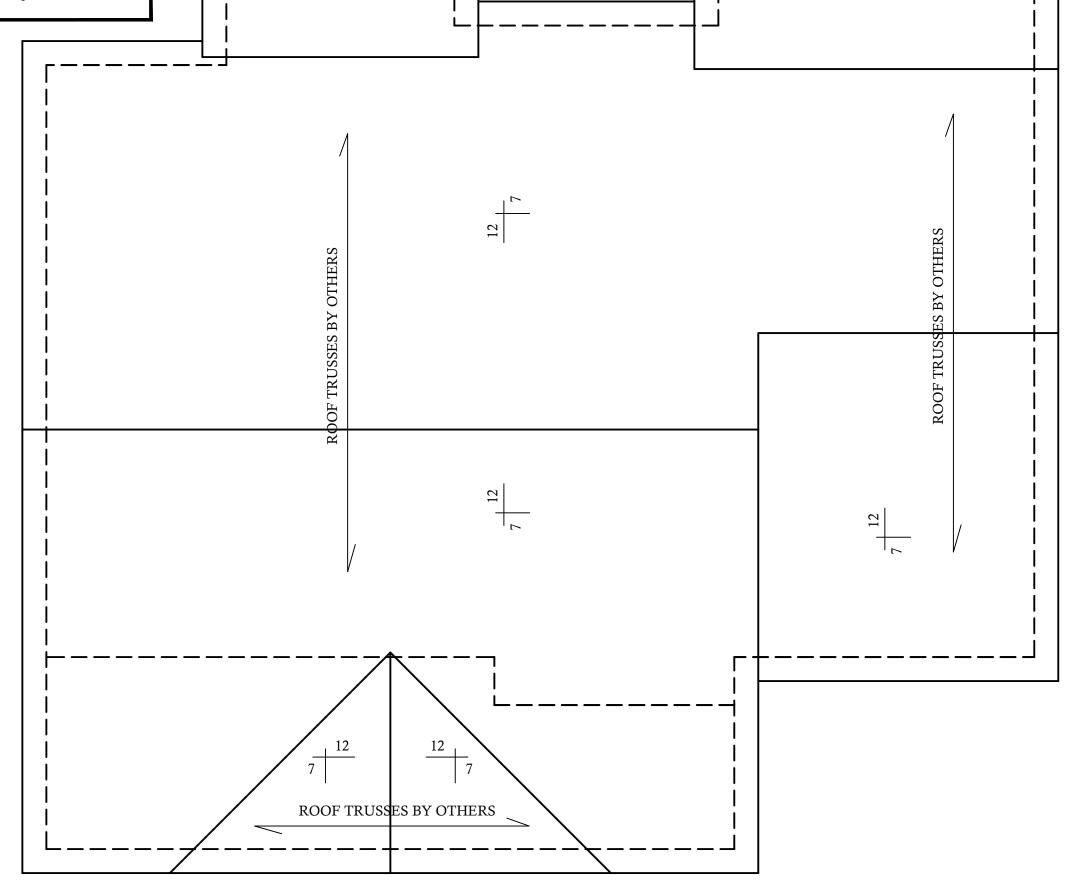
#### **GENERAL FRAMING NOTES:**

- 1. THIS PLAN DESIGNED IN ACCORDANCE WITH NC RESIDENTIAL CODE. 2018
- 2. GLAZING AREAS SHOWN ON THESE DESIGN DRAWINGS DO NOT EXCEED 15% OF THE GROSS AREA OF THE EXTERIOR WALLS. THIS STRUCTURE MEETS THE REQUIREMENTS OF NI101.2.1, RESIDENTIAL BUILDING, TYPE A-1.
- 3. WALL CLADDING IS DESIGNED FOR A 24.1 #/SF OR GREATER
- POSITIVE/NEGATIVE PRESSURE.
- 4. ALL WALLS, FLOORS AND CEILINGS SHALL BE INSUIATED IN ACCORDANCE WITH CODE SUMMARY.
- 5. DESIGN CRITERIA: LIVE 40 PSF 10 PSF PRIMARY FLOOR 40 PSF SECONDARY FLOOR **10 PSF** SLEEPING AREAS 10 PSF 30 PSF 20 PSF 10 PSF ROOF 10 PSF 20 PSF

DEFLECTION LIMITS:

**FLOOR** L/360{LIVE LOAD ONLY) ROOF L/240

- 6. ALL HEADERS IN LOAD BEARING WALLS SHALL BE DOUBLE 2X10 U.O.N.
- ALL WALLS ARE 2X4 @ 16" O.C. U.O.N.
- PROVIDE DOUBLE FLOOR JOISTS UNDER WALLS ABOVE.
- 9. PROVIDE FOUNDATION VENT WITHIN 36" OF EACH CORNER.
- 10. ALL JOISTS TO BE SPF.





SCALE: 1/4"=1'-0"

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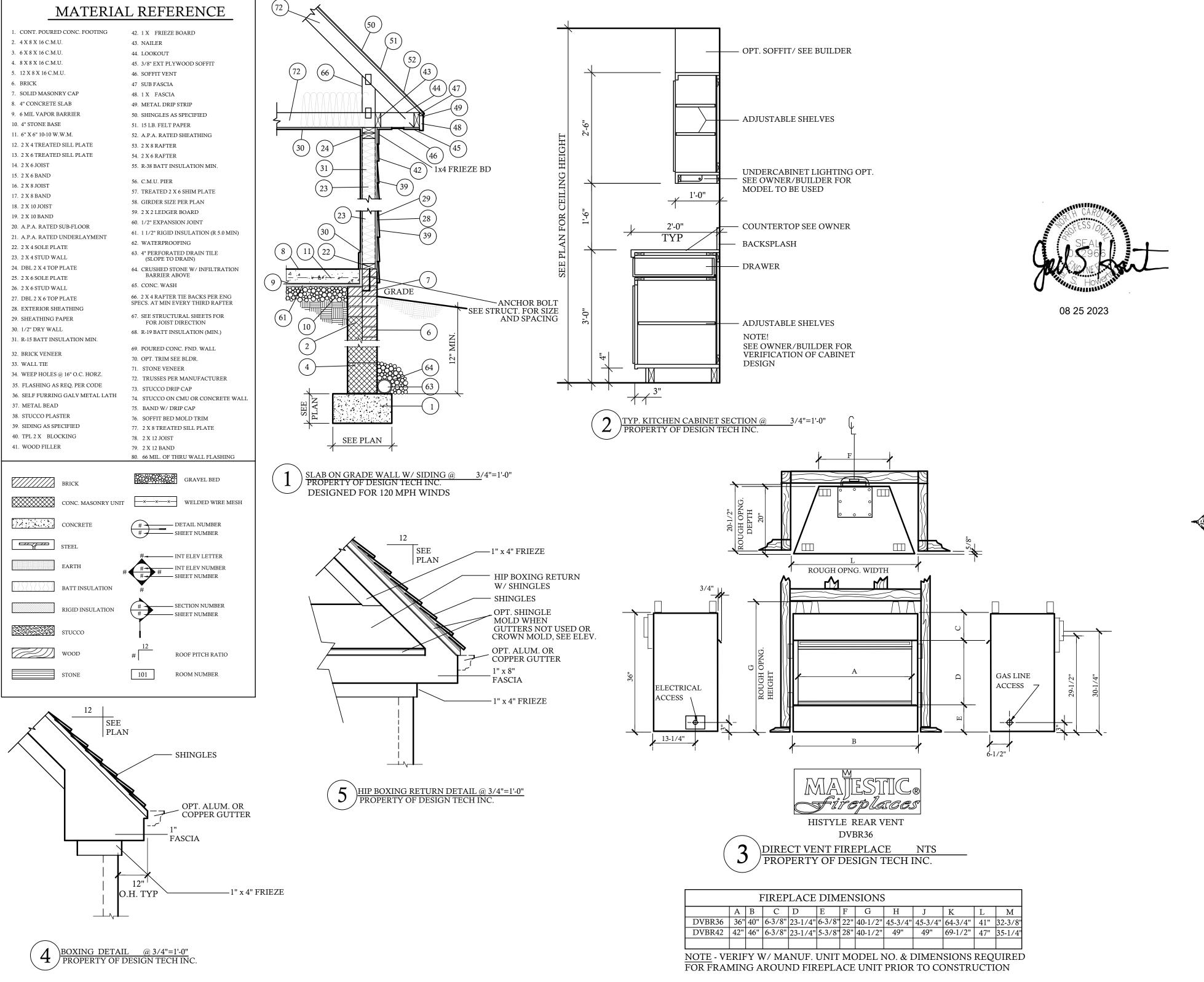
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10-1215-DT 1016 RED HILL RD