# PLANS DESIGNED TO THE 2018 NORTH CAROLINA STATE RESIDENTIAL BUILDING CODE.

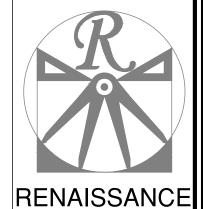
# BCR LOT 3 4903 BARBECUE CHURCH RD SANFORD,NC

SHINGLES -

# **GENERAL NOTES**

- 1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AND REGULATIONS.
- 2. CONTRACTOR SHALL THOROUGHLY REVIEW ALL SHEETS IN PLAN SET AND VERIFY ALL DETAILS AND DIMENSIONS BEFORE BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO RENAISSANCE RESIDENTIAL DESIGN, INC. FOR JUSTIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH WORK. CONTRACTORS SHALL ASSUME RESPONSIBILITY FOR ERRORS THAT ARE NOT REPORTED PRIOR TO CONSTRUCTION.
- 3. ALL DIMENSIONS SHOULD BE READ OR CALCULATED AND NEVER SCALED.

4. CONTRACTOR SHALL ENSURE COMPATIBILITY OF THE BUILDING WITH ALL SITE REQUIREMENTS.



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DATE: AUGUST 25, 2020

SCALE: 1/4" = 1'-0" DRAWN BY: WG

ENGINEERED BY: REVIEWED BY:

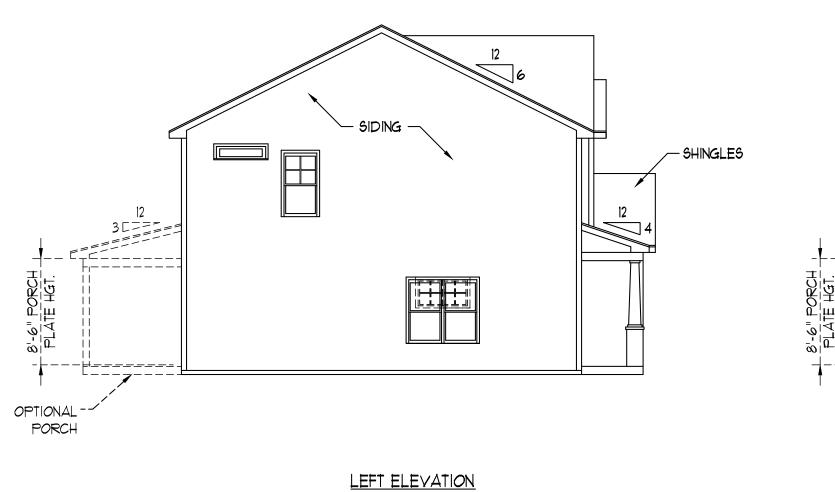
C - ELEVATIONS

A-3

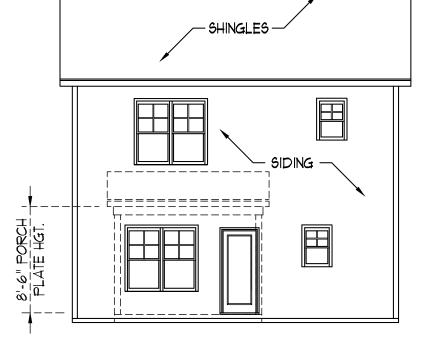
PORCH

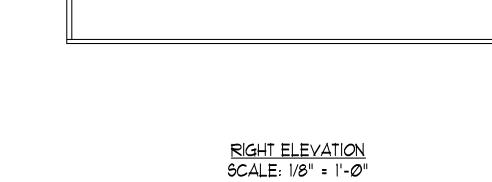


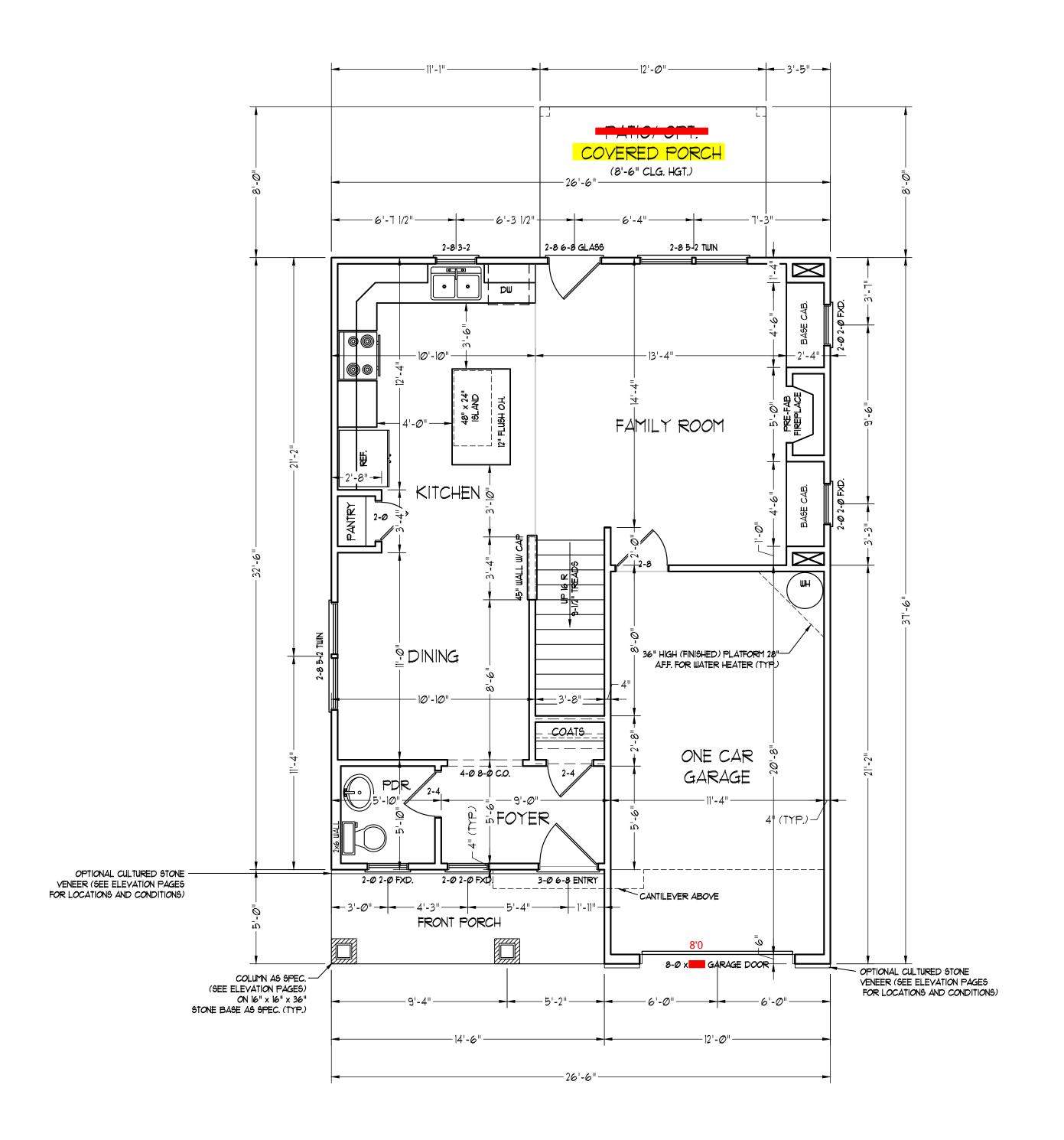
# FRONT ELEVATION-C SCALE: 1/4" = 1'-0"



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







## SQUARE FOOTAGE (I.F.S.)

 let FLOOR:
 639 SQ. FT.

 2nd FLOOR:
 795 SQ. FT.

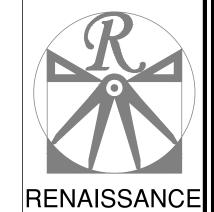
 TOTAL:
 1434 SQ. FT.

 GARAGE:
 232 SQ. FT.

 FRONT PORCH:
 73 SQ. FT.

 STD. REAR PATIO:
 96 SQ. FT.

 OPT. REAR PORCH:
 96 SQ. FT.



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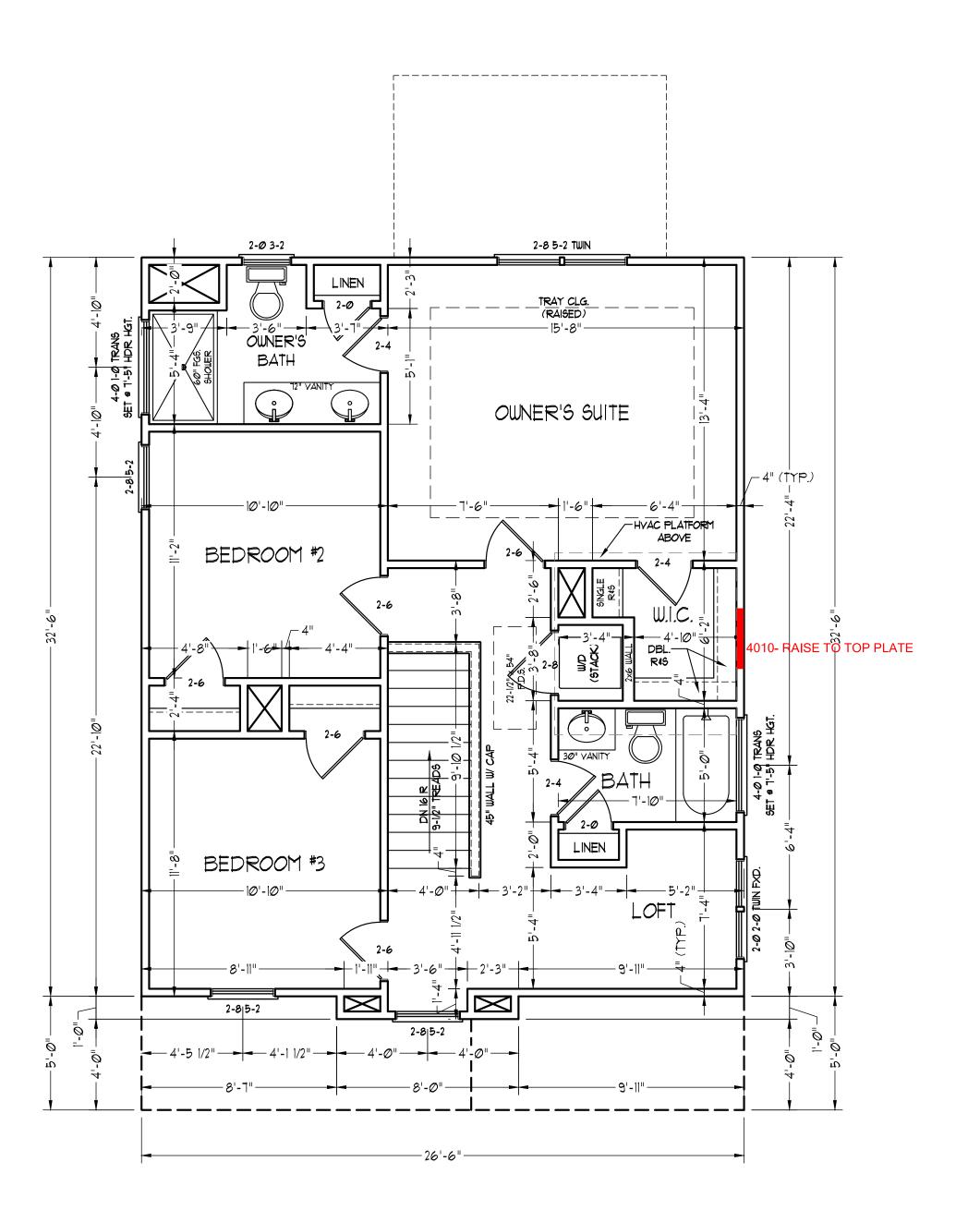
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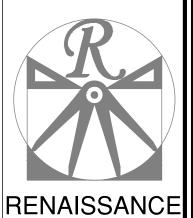
REVIEWED BY:

FIRST FLOOR PLAN
A-4

SCALE NOTE: 18x24 PRINTS ARE TO SCALE AS NOTED.

11x17 PRINTS ARE NOT TO SCALE





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

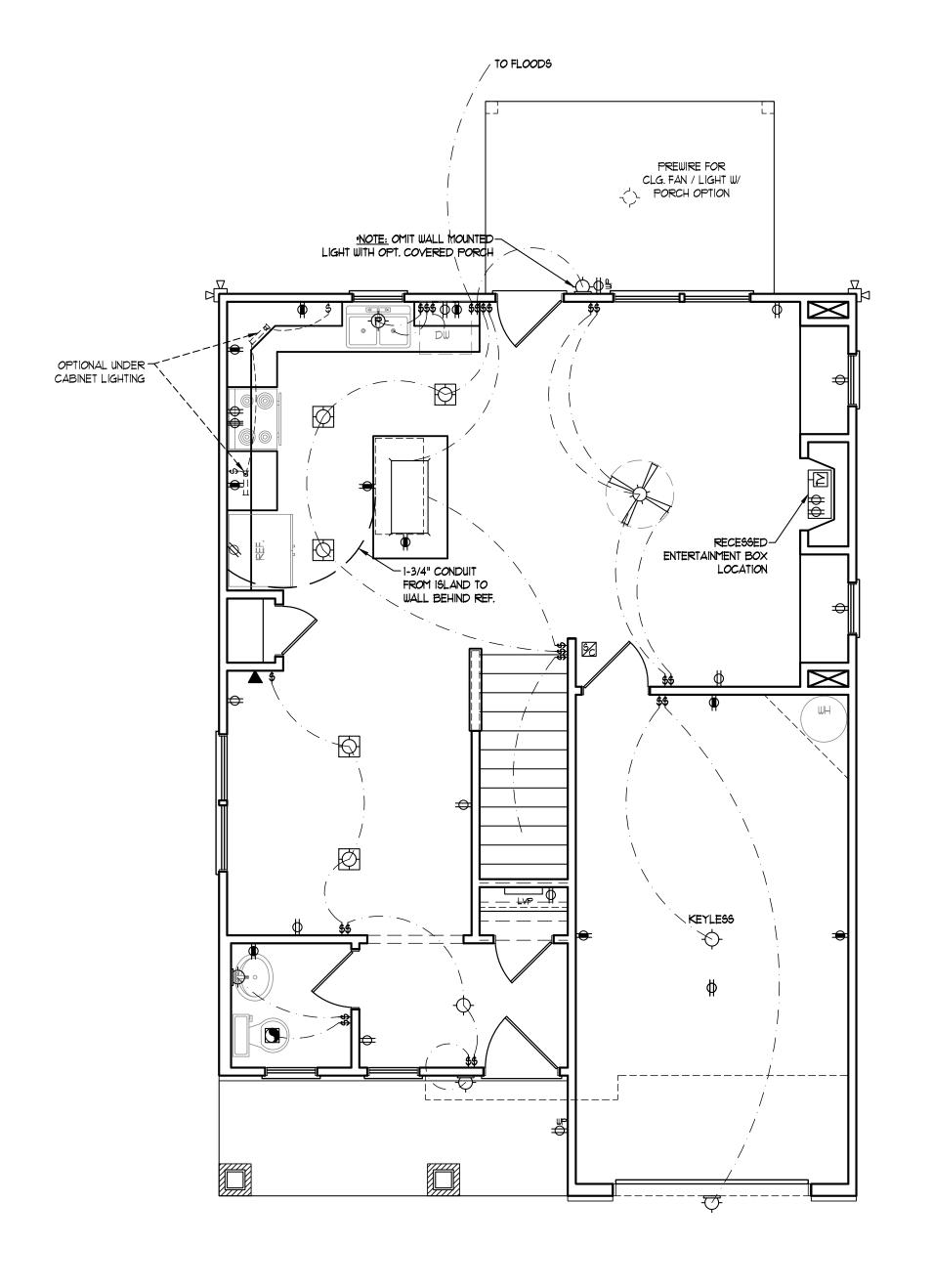
DRAWN BY: WG

ENGINEERED BY:
REVIEWED BY:

SECOND FLOOR

PLAN
A-5

SCALE NOTE: 18x24 PRINTS ARE TO SCALE AS NOTED. 11x17 PRINTS ARE NOT TO SCALE



### **ELECTRICAL LAYOUT NOTES:**

1.) BLOCK AND WIRE FOR ALL CELING FANS PER PLAN.

2.) VANITY LIGHTS TO BE SET @ 90" AFF. (TYP.)

3.) ADDITIONAL EXTERIOR OUTLETS
REQUIRED BY CODE TO BE
LOCATED BY ELECTRICIAN.

4.) PLACE SWITCHES 8" (MIN.) FROM ROUGH OPENINGS.

# ELECTRICAL LEGEND

- $\Rightarrow$  110  $\vee$  outlet
- = 110 V GFI OUTLET
- → 110 ∨ SWITCHED OUTLET
- BB 110 V BASEBOARD OUTLET
- 4-PLEX
- COUNTER OR FLOOR MOUNTED
- COUNTER OR FLOOR MOUNTED 110V GF1
- ₩EATHERPROOF
- **⇒** 220 ∨ OUTLET
- Ø 110 V DEDICATED CIRCUIT
- # 220 Y DEDICATED CIRCUIT
- SPECIAL PURPOSE (240 V, ETC.)
- WALL MOUNT LIGHT
- -CEILING MOUNT LIGHT
- -P- PENDANT LIGHT
- RECESSED CAN LIGHT
- MINI CAN LIGHT
- EYEBALL LIGHT
- FLUORESCENT LIGHT
- UNDERCABINET LIGHT
- FLOOD LIGHT
- \$ SWITCH
- \$D DIMMER SWITCH
- ▲ TELEPHONE
- △ DATA
- TELEPHONE AND DAT
- TY- TY CONNECTION
- TV/ DATA
- CD- CONDUIT FOR COMPONENT WIRING
- 6P SPEAKER
- MOV SMOKE/CM DETECTOR
- 6D 110 V SMOKE DETECTOR
- EXHAUST FAN

LOW VOLTAGE PANEL

ALARM PANEL

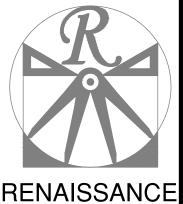




CEILING FAN W/ LIGHT

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WEAVER HOMES CAROLINA COLLECTIC HICKORY

DATE: AUGUST 25, 2020

DATE: AUGUST 2

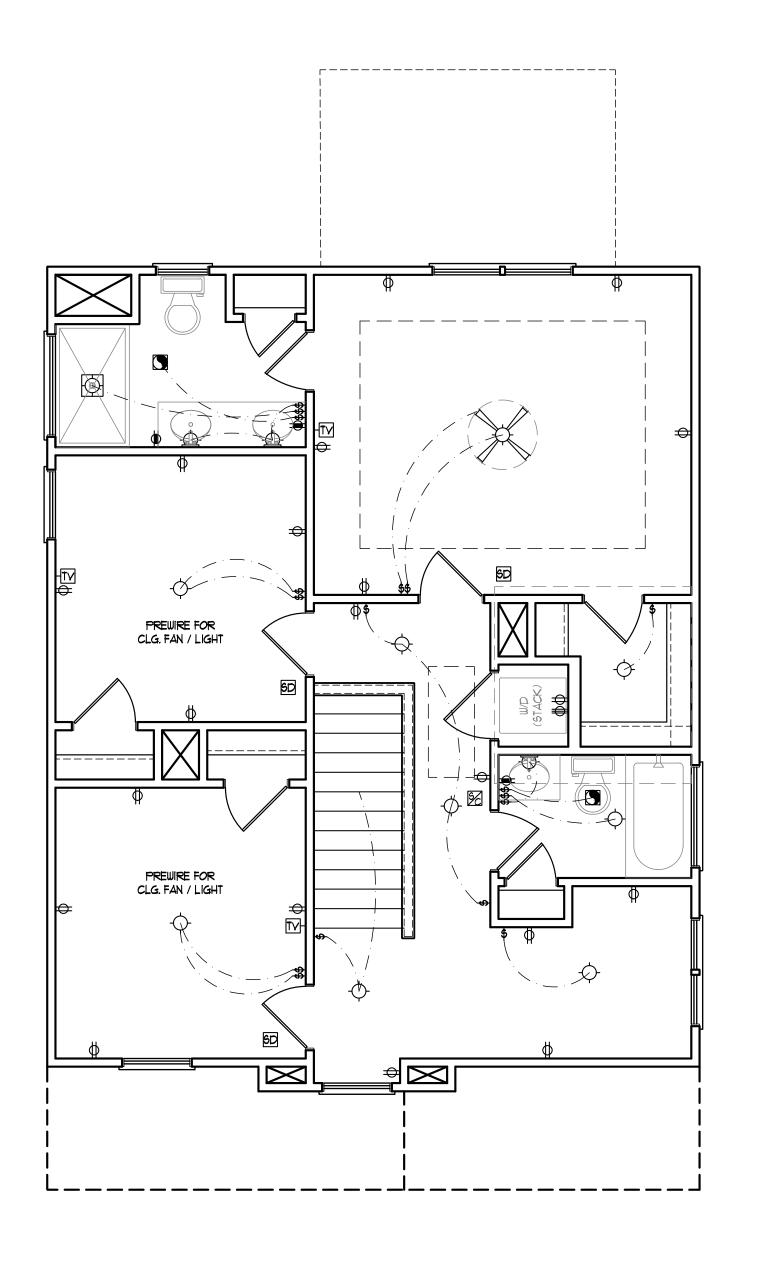
SCALE: 1/4" = 1'-0"

DRAWN BY: WG
ENGINEERED BY:

REVIEWED BY:
FIRST FLOOR

ELECTRICAL

PLAN E-1



## ELECTRICAL LAYOUT NOTES:

1.) BLOCK AND WIRE FOR ALL CELING FANS PER PLAN.

2.) VANITY LIGHTS TO BE SET @ 90" AFF. (TYP.)

3.) ADDITIONAL EXTERIOR OUTLETS REQUIRED BY CODE TO BE LOCATED BY ELECTRICIAN.

4.) PLACE SWITCHES 8" (MIN.) FROM ROUGH OPENINGS.

# ELECTRICAL LEGEND

- → 110 ∨ OUTLET
- € 110 Y GFI OUTLET
- = 110 Y SWITCHED OUTLET

BB - 110 V BASEBOARD OUTLET

- 4-PLEX
- COUNTER OR FLOOR MOUNTED
- COUNTER OR FLOOR MOUNTED 110V GF1
- ₩EATHERPROOF
- **⇒** 22Ø ∨ OUTLET
- Ø 110 V DEDICATED CIRCUIT
- # 220 Y DEDICATED CIRCUIT
- PH SPECIAL PURPOSE (240 V, ETC.)
- WALL MOUNT LIGHT
- -CEILING MOUNT LIGHT
- -P- PENDANT LIGHT
- RECESSED CAN LIGHT
- MINI CAN LIGHT
- EYEBALL LIGHT

FLUORESCENT LIGHT

undercabinet light

FLOOD LIGHT

SWITCH

\$D DIMMER SWITCH

▲ TELEPHONE

 $\triangle$  DATA

TV- TY CONNECTION

TV/ DATA

CD- CONDUIT FOR COMPONENT WIRING

SPEAKER

110 V SMOKE/ CO DETECTOR 110 Y SMOKE DETECTOR

EXHAUST FAN

LOW VOLTAGE PANEL ALARM PANEL





SCALE NOTE: 18x24 PRINTS ARE TO SCALE AS NOTED. 11x17 PRINTS ARE NOT TO SCALE



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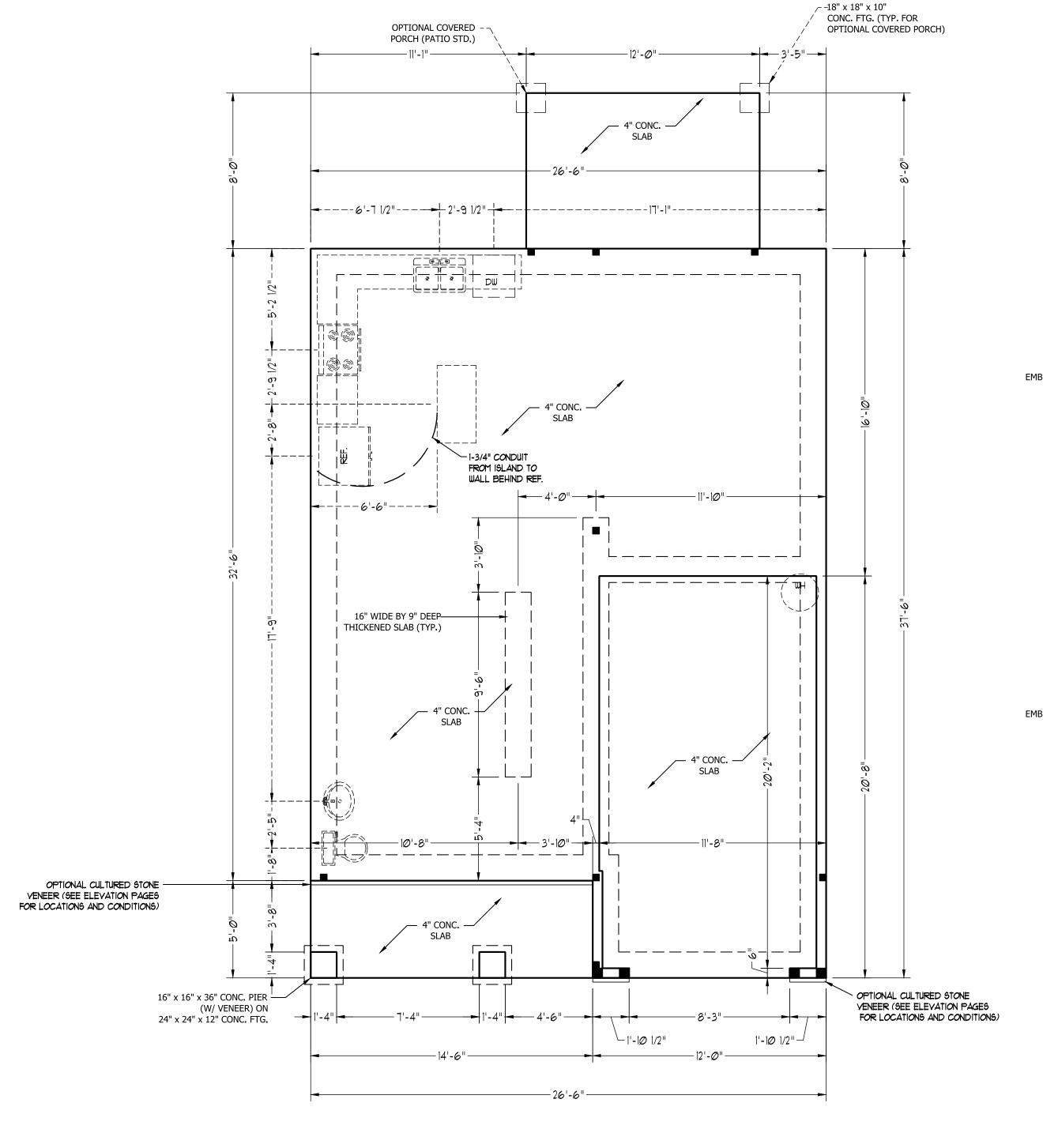
DATE: AUGUST 25, 2020

SCALE: 1/4" = 1'-0" DRAWN BY: WG

ENGINEERED BY: REVIEWED BY:

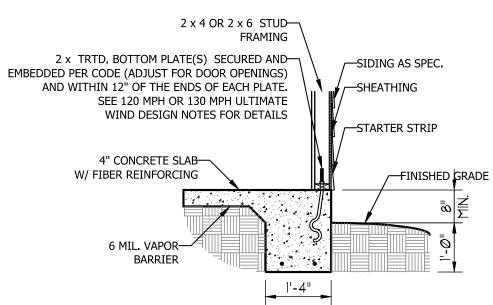
SECOND FLOOR ELCTRICAL PLAN

E-2

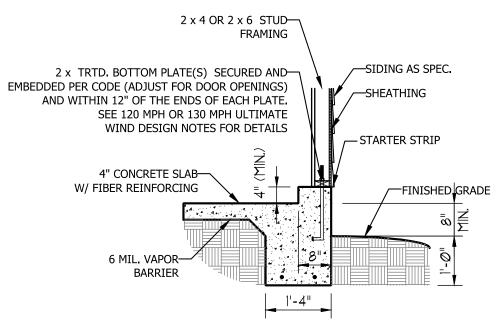


#### ULTIMATE DESIGN WIND SPEED NOTES FOR LESS THAN 30' MEAN ROOF HEIGHT:

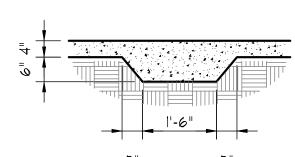
- 1. STRUCTURAL DESIGN PER NORTH CAROLINA RESIDENTIAL CODE, 2018 EDITION.
- 2. FOR 120 MPH WIND ZONES INSTALL 1/2" ANCHOR BOLTS 6'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER. ANCHOR BOLTS MUST EXTEND A MINIMUM OF 7" INTO CONCRETE OR 15" INTO MASONRY. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTH.
- 3. FOR 130 MPH WIND ZONES INSTALL 1/2" ANCHOR BOLTS 4'-0" O.C. AND WITHIN 1'-0" FROM END OF EACH CORNER. ANCHOR BOLTS MUST EXTEND A MINIMUM OF 7" INTO CONCRETE OR 15" INTO MASONRY. LOCATE BOLT WITHIN MIDDLE THIRD OF PLATE WIDTH.
- 4. MEAN ROOF HEIGHT IS LESS THAN 30 FEET.
- 5. EXTERIOR WALLS DESIGNED FOR 120 OR 130 MPH WINDS.
- 6. INSTALL 7/16" OSB SHEATHING ON ALL EXTERIOR WALLS OF ALL STORIES IN ACCORDANCE WITH SECTION R602.10.3 OF THE NCRC, 2018 EDITION.
- 7. ENERGY EFFICIENCY COMPLIANCE AND INSULATION VALUES OF THE BUILDING TO BE IN ACCORDANCE WITH CHAPTER 11 OF THE NCRC, 2018 EDITION.



# TYPICAL SLAB DETAIL



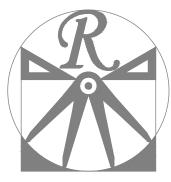
# GARAGE CURB DETAIL



THICKENED SLAB DETAIL

SCALE NOTE: 18x24 PRINTS ARE TO SCALE AS NOTED.

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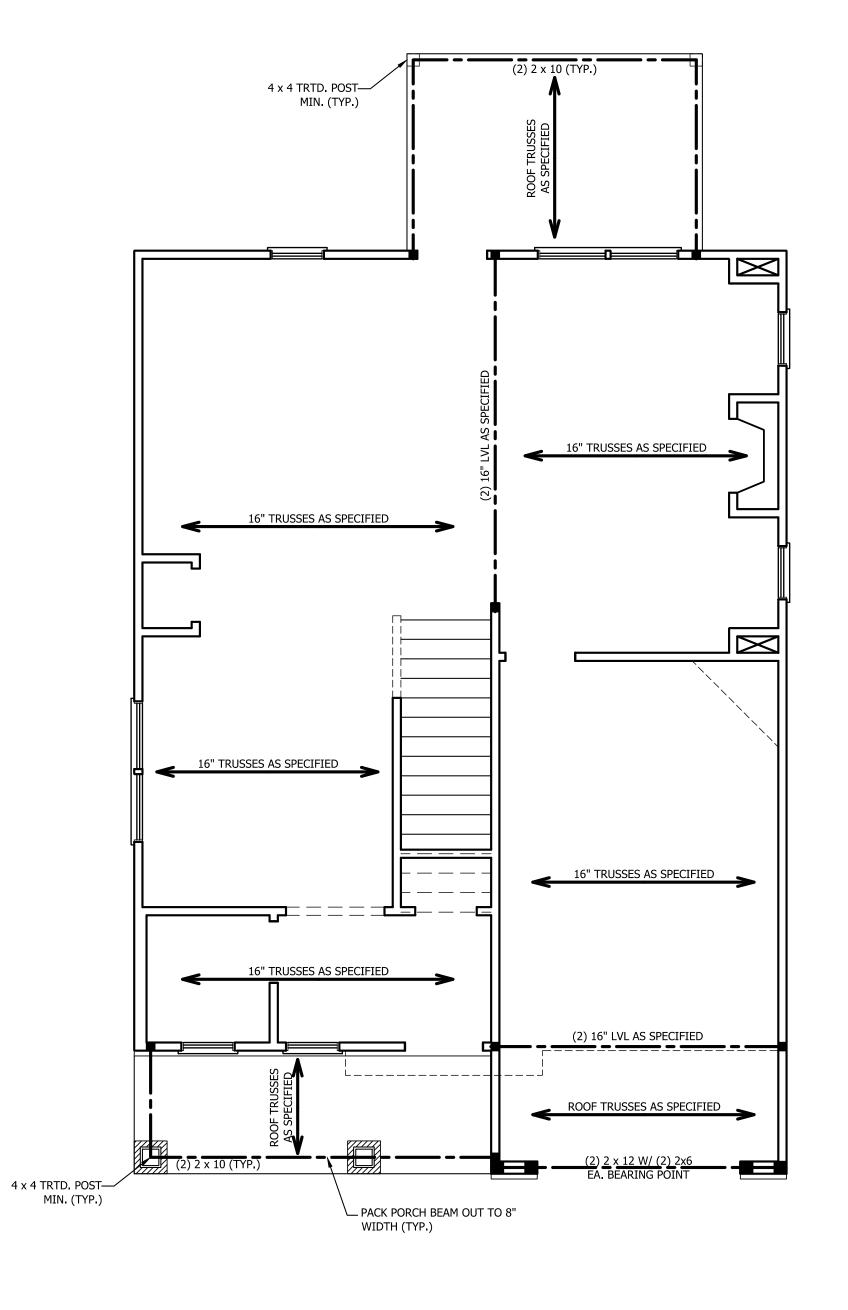
REV.: SCALE: 1/4" = 1'.0"

DRAWN BY: WG

ENGINEERED BY:

MONO SLAB
FOUNDATION

PLAN
S-1



#### **STRUCTURAL NOTES:**

- 1. ALL FRAMING LUMBER TO BE SPF #2 (UNO). ALL TREATED LUMBER TO BE SYP #2
- 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 4 (UNO).
- 3. INSTALL AN EXTRA JOIST UNDER WALLS PARALLEL TO FLOOR JOISTS
- 4. WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO.). SEE TABLE R602.7.5 FOR ADDITIONAL KING STUD
- 5. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)
- 6. ALL 4 X 4 POSTS SHALL BE ANCHORED TO SLABS W/ SIMPSON ABU44 POST BASES (OR EQUAL) AND 6 X 6 POSTS W/ ABU66 POST BASES (OR EQUAL) (UNO). ALL 4 X 4 AND 6 X 6 POSTS TO BE INSTALLED WITH 700 LB CAPACITY UPLIFT CONNECTORS AT TOP (UNO.)
- FOR FIBERGLASS, ALUMINUM, OR COLUMN ENG. BY OTHERS, SECURE TO SLAB W/
   (2) METAL ANGLES USING 2" CONC. SCREWS. FASTEN ANGLES TO COLUMNS W/
   1/4" THROUGH BOLTS W/ NUTS AND WASHERS. LOCATE ANGLES ON OPPOSITE
   SIDES OF COLUMN. THROUGH BOLTS MUST BE INSTALLED PRIOR TO SETTING
   COLUMN.

### **BRACE WALL PANEL NOTES:**

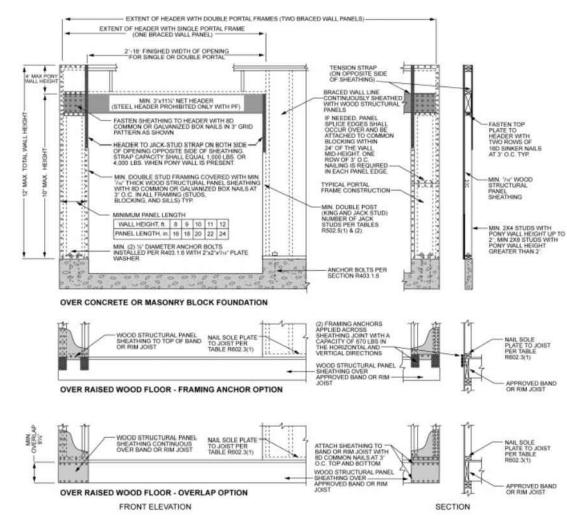
**EXTERIOR WALLS:** ALL EXTERIOR WALLS TO BE SHEALTHED WITH CS-WSP OR CS-SFB IN ACCORDANCE WITH SECTION R602.10.3 UNLESS NOTED OTHERWISE.

REQUIRED LENGTH OF BRACING: REQUIRED BRACE WALL LENGTH FOR EACH SIDE OF THE CIRCUMSCRIBED RECTANGLE ARE INTERPOLATED PER TABLE R602.10.3. METHODS CS-WSP AND CS-SFB CONTRIBUTE THIER ACTUAL LENGTH. METHOD GB CONTRIBUTES 0.5 ITS ACTUAL LENGTH. METHOD PF CONTRIBUTES 1.5 TIMES ITS ACTUAL LENGTH.

**GYPSUM:** ALL INTERIOR SIDES OF EXTERIOR WALLS AND BOTH SIDES OF INTERIOR WALLS TO HAVE 1/2" GYPSUM INSTALLED. WHEN NOT USING METHOD GB GYPSUM TO BE FASTENED PER TABLE R702.3.5. METHOD GB TO BE FASTENED PER TABLE R602.10.1.

**HD:** 800 LBS HOLD DOWN DEVICE FASTENED TO THE EDGE OF THE BRACE WALL PANEL NEAREST TO THE CORNER

METHODS: PER TABLE R602.10.1



nch = 25.4 mm, 1 foot = 305 mm, 1 lb = 4.45 N.

FIGURE R602.10.1

METHOD PF—PORTAL FRAME CONSTRUCTION

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DATE: AUGUST 25, 2020

REV.:

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

DRAWN BY: WG

ENGINEERED BY:

REVIEWED BY:

SECOND FLOOR FRAMING PLAN

S-2

SCALE NOTE: 18x24 PRINTS ARE
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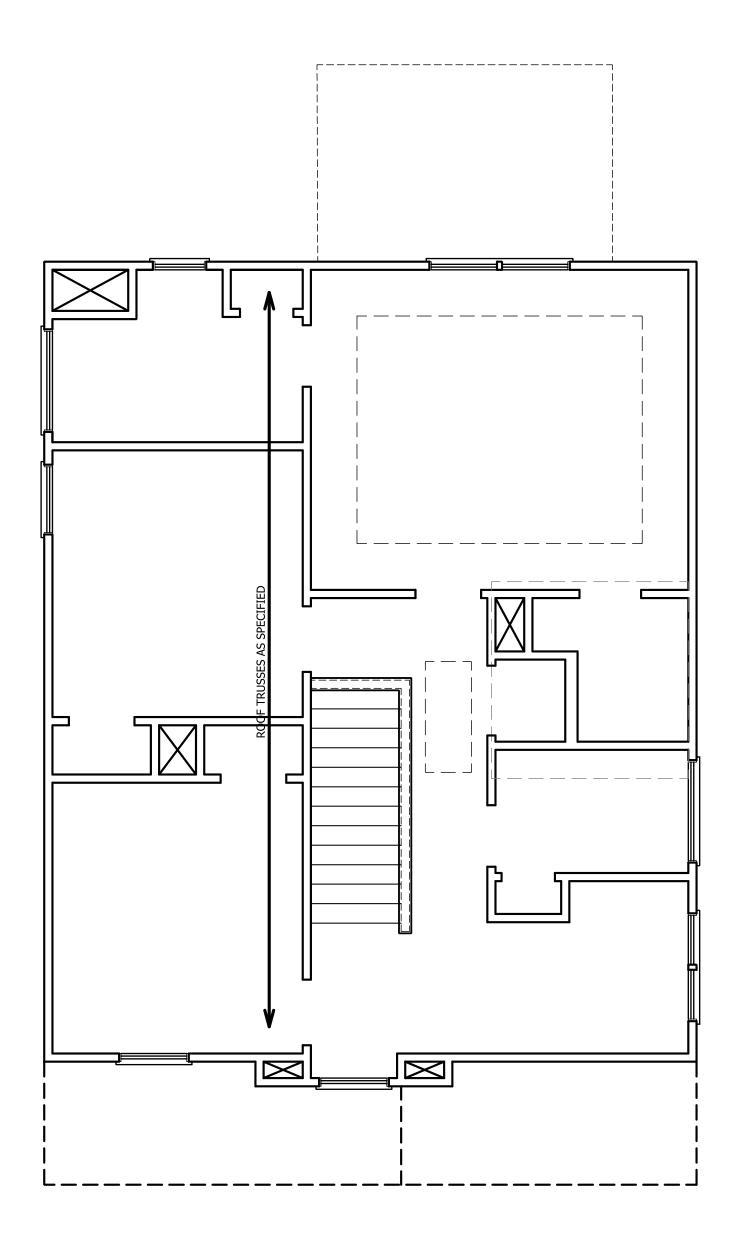


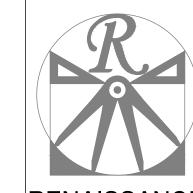
TABLE R602.7.5
MINIMUM NUMBER OF FULL HEIGHT STUDS
AT EACH END OF HEADERS IN EXTERIOR WALLS

	HEADER SPAN (FEET)	MAXIMUM STUD SPACING (INCHES) (PER TABLE R602.3(5)	
		16	24
	UP TO 3'	1	1
	4'	2	1
	8'	3	2
	12'	5	3
	16'	6	4

# STRUCTURAL NOTES:

- 1. ALL FRAMING LUMBER TO BE SPF #2 (UNO). ALL TREATED LUMBER TO BE SYP #2 (UNO.)
- 2. ALL LOAD BEARING HEADERS TO BE (2) 2 x 6 (UNO).
- 3. WINDOW AND DOOR HEADERS TO BE SUPPORTED w/ (1) JACK STUD AND (1) KING STUD EA. END (UNO.). SEE TABLE R602.7.5 FOR ADDITIONAL KING STUD REQUIREMENTS.
- 4. SQUARES DENOTE POINT LOADS WHICH REQUIRE SOLID BLOCKING TO GIRDER OR FOUNDATION. ALL SQUARES TO BE (2) STUDS (UNO.)

DSP - DOUBLE STUD POCKET TSP - TRIPLE STUD POCKET



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WEAVER HOMES CAROLINA COLLECTIO HICKORY

DATE: AUGUST 25, 2020

REV.:

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

DRAWN BY: WG

ENGINEERED BY:

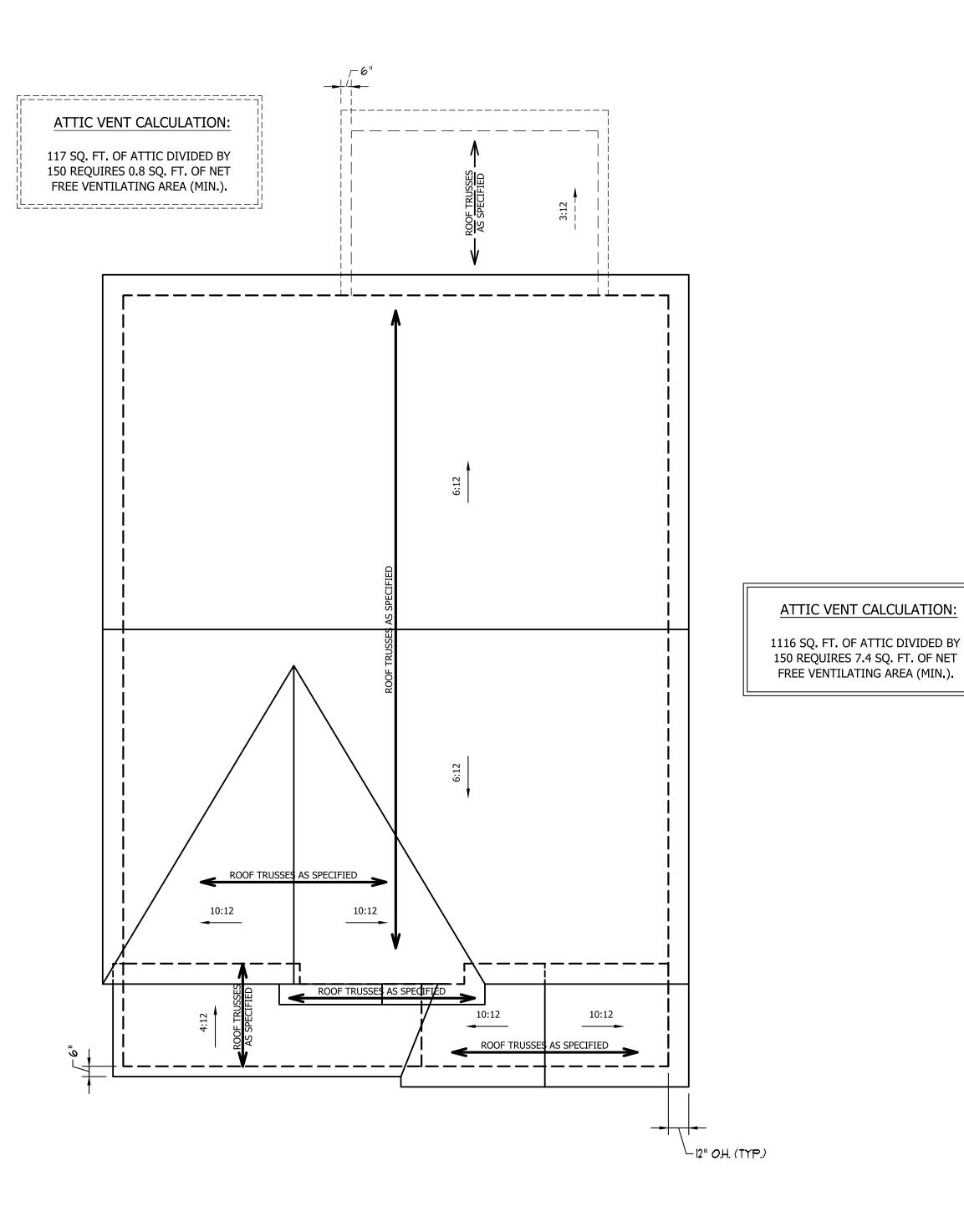
REVIEWED BY:

ATTIC FLOOR FRAMING PLAN

S-3

SCALE NOTE: 18x24 PRINTS ARE TO SCALE AS NOTED.

11x17 PRINTS ARE NOT TO SCALE



1040 SQ. FT. OF ATTIC DIVIDED BY 150 REQUIRES 6.9 SQ. FT. OF NET FREE VENTILATING AREA (MIN.).

#### STRUCTURAL NOTES:

- 1. ALL FRAMING LUMBER TO BE #2 SPF (UNO).
- 2. HIP SPLICES ARE TO BE SPACED A MIN. OF 8'-0". FASTEN MEMBERS WITH THREE ROWS OF 12d NAILS @ 16" O.C. (TYP.)
- 2 x 8 RIDGES, 2 x 6 RAFTERS @ 16" O.C. AND FLAT 2 x 10 VALLEYS OR USE VALLEY TRUSSES.
- 4. FASTEN FLAT VALLEYS TO RAFTERS OR TRUSSES MIN. OF (6) 12d TOE NAILS.
- FOR REQUIRED UPLIFT RESISTANCE AT RAFTERS AND TRUSSES.

# ATTIC VENT CALCULATION:

- 3. STICK FRAME OVER-FRAMED ROOF SECTIONS W/
- WITH SIMPSON H2.5A HURRICANE TIES @ 32" O.C. MAX. PASS HURRICANE TIES THROUGH NOTCH IN ROOF SHEATHING. EACH RAFTER IS TO BE FASTENED TO THE FLAT VALLEY WITH A
- 5. REFER TO SECTION R802.11 OF THE 2018 NCRC



# RESIDENTIAL DESIGN, INC.

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DATE: AUGUST 25, 2020

SCALE: 1/4" = 1'-0" DRAWN BY: WG

ENGINEERED BY: REVIEWED BY:

ROOF PLAN

SCALE NOTE: 18x24 PRINTS ARE TO SCALE AS NOTED. 11x17 PRINTS ARE NOT TO SCALE

