

PLAN SUBMITTED TO THE NC
STATE CODE, 2019 EDITION



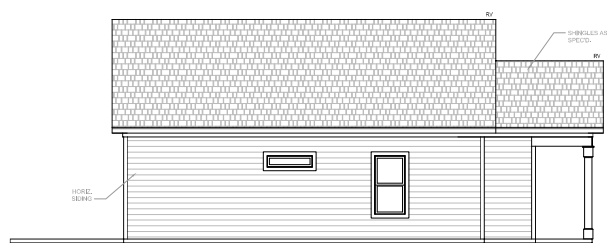
FRONT ELEVATION
1/4" = 1'-0"



RIGHT ELEVATION
1/4" = 1'-0"



REAR ELEVATION
1/4" = 1'-0"

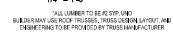


LEFT ELEVATION
1/4" = 1'-0"

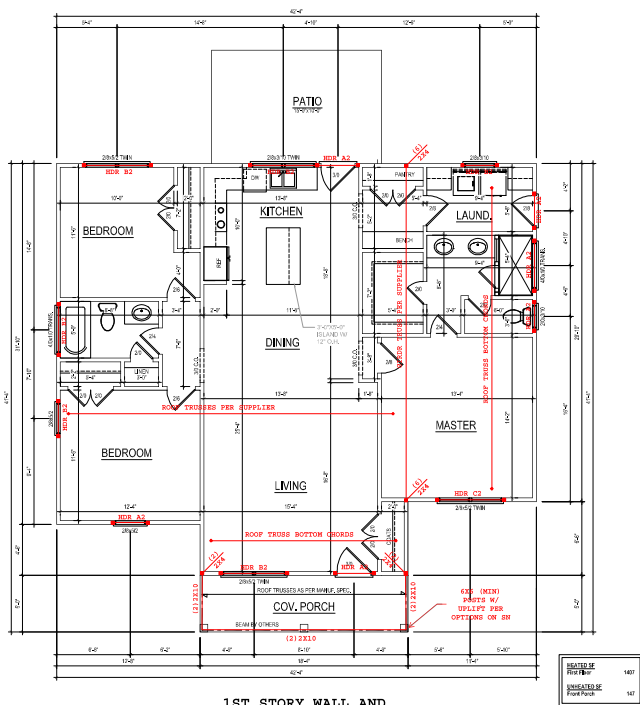
1400 Ranch
Plan

Cedar House Studio Inc.
424 E. Main St.
Clayton, NC 27520
919.624.4776

FAMILY BUILDING CO.



FAMILY BUILDING CO.

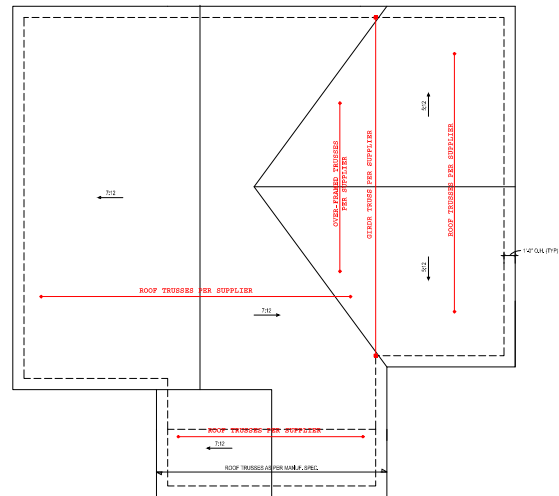


**1ST STORY WALL AND
CEILING FRAMING PLAN**

SCALE 1/4" = 1'-0"

ALL LUMBER TO BE K.D. DRY, UNED

ALL WALLS TO BE 4" THICK



ROOF FRAMING PLAN

SCALE 1/4" = 1'-0"

ALL LUMBER TO BE K.D. DRY, UNED

ALL TRUSSES TO BE 2X6 OR 2X8, UNED

ALL RAFTERS TO BE 2X6 OR 2X8, UNED

ALL TRUSSES TO BE 2X6 OR 2X8, UNED

ALL RAFTERS TO BE 2X6 OR 2X8, UNED

**Takla
Engineering,
PLLC**



Consulting
Design
Engineering

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SEALS APPLIED TO
STRUCTURAL WORK ONLY

DRAWING/ DESIGN BY:

CHB HOUSE STUDIOS INC.
6245 MAIN ST
CLAYTON NC 27520
919.624.4776

New Construction
Lot 2 Duke Valentine Wynne Rd
Louisburg, NC
Family Building Company

Job Number:
2-3329-25

S2

- Footprint Schedule:**
- A = 16"x16"x8"
 - B = 20"x20"x12"
 - C = 24"x24"x10"
 - D = 30"x30"x12"
 - E = 36"x36"x12"
 - F = 40"x60"x12" w/ (3) 44 RB
 - G = 48"x48"x12" w/ (4) 44 RB
- Note: In footprints to have "3" cover from sides, bottoms and other parallel*
- Header Schedule:**
- A = 2x6 w/ (1) Jack & RB UON
 - B = 2x6 w/ (2) Jack & RB UON
 - C = 2x10 w/ (1) Jack & RB UON
 - D = 2x12 w/ (1) Jack & RB UON
 - E = 2x12 w/ (2) Jack & RB UON
 - F = 2x12 w/ (3) Jack & RB UON
 - G = 11 7/8" LVLG (3) Js w RB UON
- Jack studs should be same thickness of studs in wall.
- Number following letter (REF C2 = 2)X12X12 w/ (2) jack studs at each
- Stud Schedule Schedule (#602.7.5):**
- 3"x6" wide = 2 RB EE UON
 - 3"x6" wide = 2 RB EE UON
 - 3"x6" wide = 3 RB EE UON
 - 4"x6" wide = 4 RB EE UON
 - 12"x15" wide = 5 RB EE UON
- *Stud size shall match width of wall.

Roof Framing Notes:

1. All roof framing shall comply with NCRC 2018 CH 8.
2. All dimensional lumber to be SYP No. or better.
3. Sheath with 7/16" OSB w/ 8d nails at 6" o.c. edge and 12" o.c. field.
4. All rafter ties to be installed no higher than 1/3rd height eave to ridge up eave nailed with (5) 10d nails @ each end. NOM.

6. per supplier guidelines.
7. When structural ridge is used, collars may be omitted with 24" long ridge strapping (C822) is applied at 32" o-c
8. Areas noted as "Port Down" shall be supported by minimum 120k+ to the next load bearing component. Downward studs may be skewed as required not exceed 15 degrees.

- Framing Notes:**
- 1. Floor joists, ceiling joists and rafters and all SFP #2 or #3 and exterior wood deck joists, wall framing maybe SFP #2 or SFP #2.
 - 2. Floor joists and ceiling joists 4 or more with (3) inch. C222 spans.
 - 3. **■** Lumber count loads from above to be transferred, match stud to foundation.
 - 4. LVL Beams shall be 1.75" wide ply (Ply) 2400 psi.
 - 5. All wall framing shall be 2x6.
 - 6. All wall framing per MNC 2018 Code.
 - 7. All framing is to be installed in accordance with framing per supplier's specifications and layout.
 - 8. All exterior wall framing shall be ASTM A-36, 16' x 6' SFP #3. All wood material shall be 70 KSI material.
 - 9. All welds to be installed by a certified AWS welder.
 - 10. All exterior wall framing shall be 2x6 with 1/2" dia. br 2x material and bolted thru to web with "d" dia thru bolts at 12" on center.
 - 11. Install double joint under all walls parallel with joists.
 - 12. Typically, interior load bearing walls (LBRW) are shown. Heavily braced exterior walls shall be shown. Heavily braced walls to be directly supported these LBRW. All exterior walls shall be 2x6 with 1/2" dia thru bolts at 12" on center.
 - 13. Beams of 3 ply or more with any side loaded members shall be 2x6 with 1/2" dia thru bolts at 12" on center. 2" beam edge distance from top/bottom side edge UCL. 2 ply LVL shall be fastened with 10d nails at 16" o.c. driven from both sides of crown shall be 1/2" dia thru bolts at 12" on center along depth of beam.
 - 14. All exterior walls shall be no less than 3". All other bearing to be 2x6.
 - 15. All exterior walls shall be standard, appropriately sized face frame hangers.
 - 16. All exterior walls shall be standard. High capacity hangers will be load rated on

- [illegible]

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