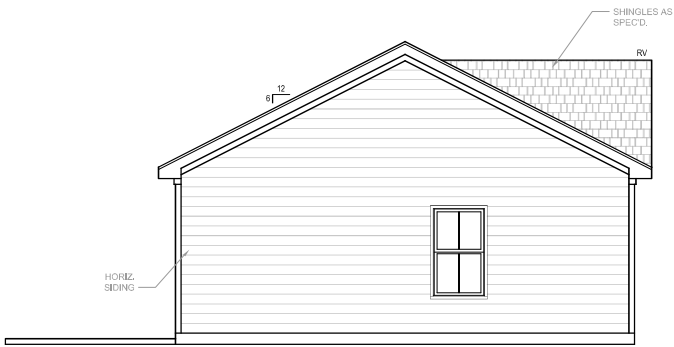


PLANS DESIGNED TO THE NC  
STATE CODE, 2018 EDITION



**FRONT ELEVATION**

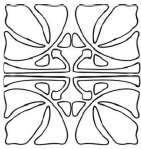
1/4" = 1'-0"



**LEFT ELEVATION**

1/4" = 1'-0"

It is the sole responsibility of the contractor and/or builder to determine whether these plans conform to all applicable provisions, requirements, methods of construction, and standards established by applicable building codes, and any other local, state, and/or federal codes, and to coordinate with local engineering and construction officials. These plans do not constitute a warranty of any kind or a representation of any kind. If a discrepancy is discovered, please contact Cedar House Studio before continuing work.



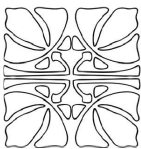
PLAN 1215



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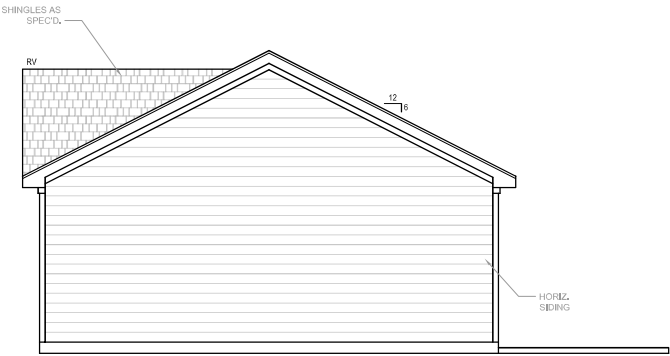
FAMILY BUILDING CO.





**REAR ELEVATION**

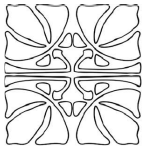
1/4" = 1'-0"



**RIGHT ELEVATION**

1/4" = 1'-0"

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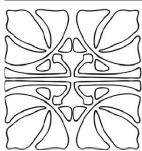
PLAN 1215



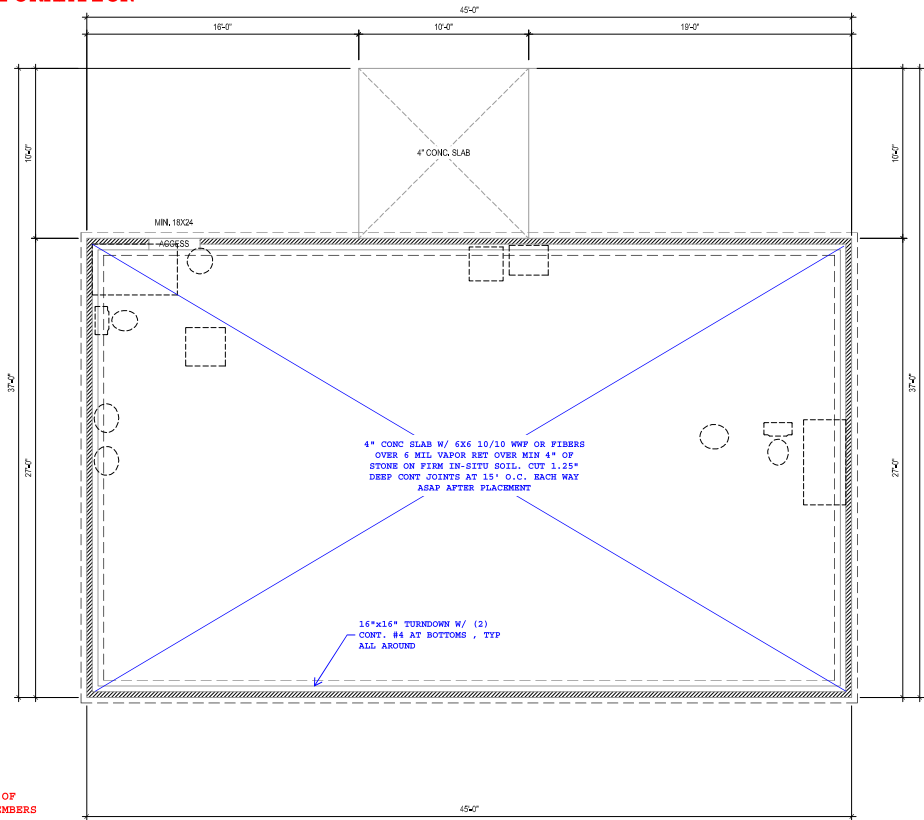
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FAMILY BUILDING CO.



CODE REFERENCE: NCRC 2018;  
ALL WORK TO CONFORM. SEE  
STRUCTURAL NOTES PAGE FOR  
ADDITIONAL INFORMATION



FOUNDATION AND SLAB PLAN  
SCALE 1/4" = 1'

Footprint Schedule:  
A = 16"x16"x8"  
B = 20"x20"x8"  
C = 24"x24"x10"  
D = 30"x30"x12"  
E = 36"x36"x12"  
F = 40"x40"x12" w/ (3) #4 EW  
G = 48"x48"x12" w/ (4) #4 EW  
\*All rebar in footings to have 3" cover from sides, bottoms and other parallel rebar.

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**Takla Engineering, PLLC**  
NC Firm License # P-1952  
Consulting  
Design  
Efficiency

Andy A. Takla, PE  
AndyTakla@taklaengineering.com  
919-423-0470  
PO Box 71298 Durham, NC 27722

PE SEAL APPLIES TO  
STRUCTURAL NOTES ONLY

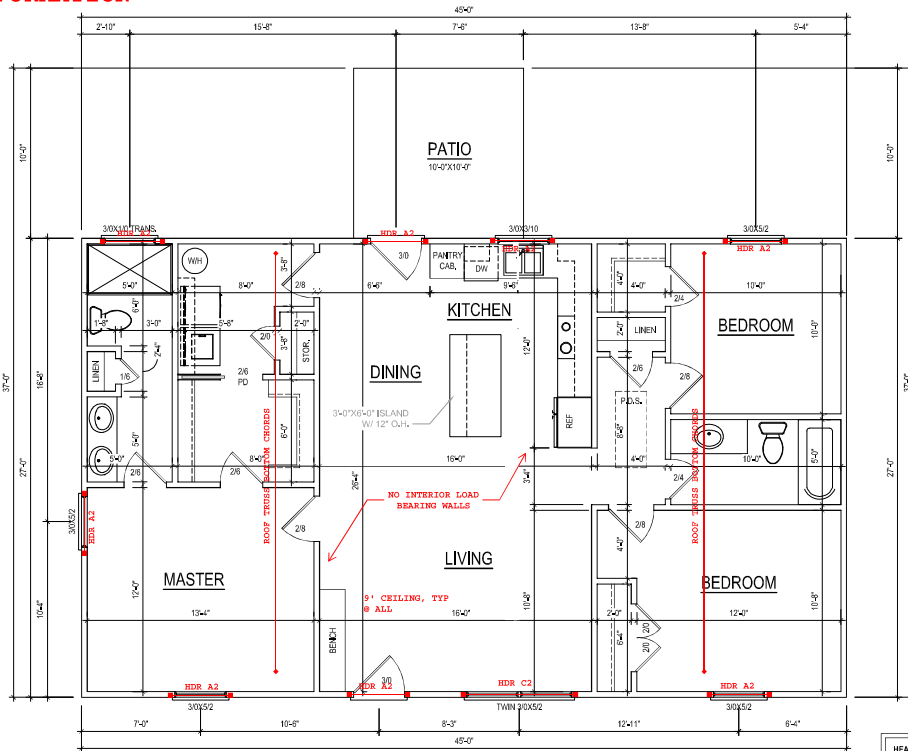
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New Construction  
Lot 4 Duke Valentine  
Wynne Rd  
Louisburg, NC  
Family Building Company

Job Number:  
2-3331-25  
**S1**

CODE REFERENCE: NCRC 2018;  
ALL WORK TO CONFORM. SEE  
STRUCTURAL NOTES PAGE FOR  
ADDITIONAL INFORMATION



|                                        |      |
|----------------------------------------|------|
| <b>HEATED SF</b><br><b>First Floor</b> | 1215 |
|----------------------------------------|------|

 DENOTES ORIENTATION OF REPETITIVE FRAMING MEMBERS  
 DENOTES EXTENT OF REPETITIVE FRAMING MEMBERS

 DENOTES LOAD BEARING WALLS

 DENOTES OFFSET LOAD BEARING WALLS ABOVE

 DENOTES OFFSET NON-LOAD BEARING WALLS ABOVE

 DENOTES SPECIAL SHEAR WALL (INT SHEAR WALL, PORTAL FRAME WALL OR GB2 WALLS)

1ST STORY WALL AND  
CEILING FRAMING PLAN  
SCALE 1/4" : 1'

**Header Schedule:**  
A = 2x6 w/ (1) Jack @ EE UON  
B = 2x8 w/ (2) Jack @ EE UON  
C = 2x10 w/ (2) Jack @ EE UON  
D = 2x12 w/ (3) Jack @ EE UON  
E = 9 1/4" LVL (3) Js @ EE UON  
F = 11 7/8" LVL (3) Js @ EE UON

Jack studs should be same thickness of studs in wall.

Number following letter refers to number of plys of header. (IE C2 = (2)2X10 with (2) jack studs at each end).

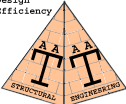
Header E1 (single ply 9 1/4" LVL) may replace Headers A2, B2, and C2.

**King Stud Schedule (R602.7.5):**  
 0'-3' wide = 1 @ EE UON  
 3'-6' wide = 2 @ EE UON  
 6'-9' wide = 3 @ EE UON  
 9'-12' wide = 4 @ EE UON  
 12'-15' wide = 5 @ EE UON  
 \*Stud size shall match width of wall.

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|                                                                           |
|---------------------------------------------------------------------------|
| <p style="text-align: center;"><u>Takla</u><br/>Engineering,<br/>PLLC</p> |
|---------------------------------------------------------------------------|

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Efficiency



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919-423-0470  
PO Box 71298 Durham, NC 27722



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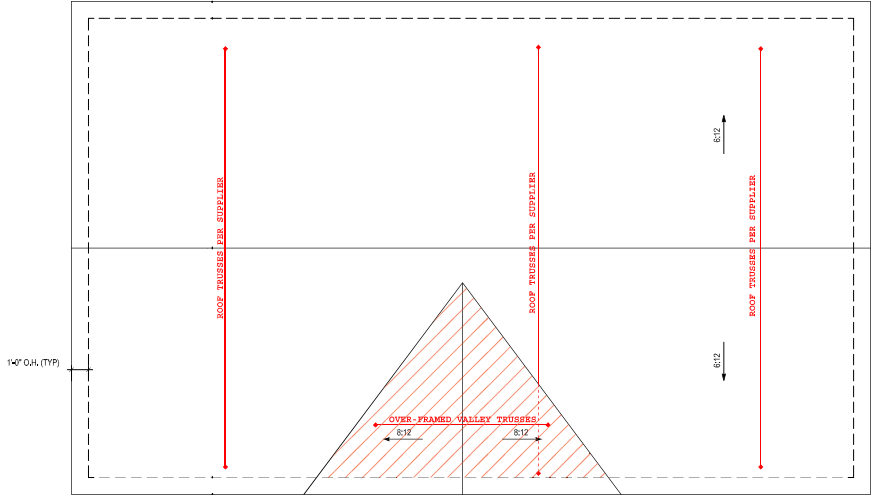
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424 E. MAIN ST.,  
CLAYTON, NC 27520  
919.624.4776

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Lot 4 Duke Valentine  
Wynne Rd  
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Family Building Company

Job Number:  
2-3331-25

**S2**

CODE REFERENCE: NCRC 2018;  
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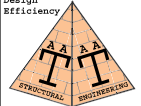
- DENOTES ORIENTATION OF REPETITIVE FRAMING MEMBERS
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- DENOTES OFFSET NON-LOAD BEARING WALLS ABOVE
- DENOTES SPECIAL SHEAR WALL (INT SHEAR WALL, PORTAL FRAME WALL OR GB2 WALLS)

ROOF FRAMING PLAN  
SCALE 1/4" = 1'

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S3

