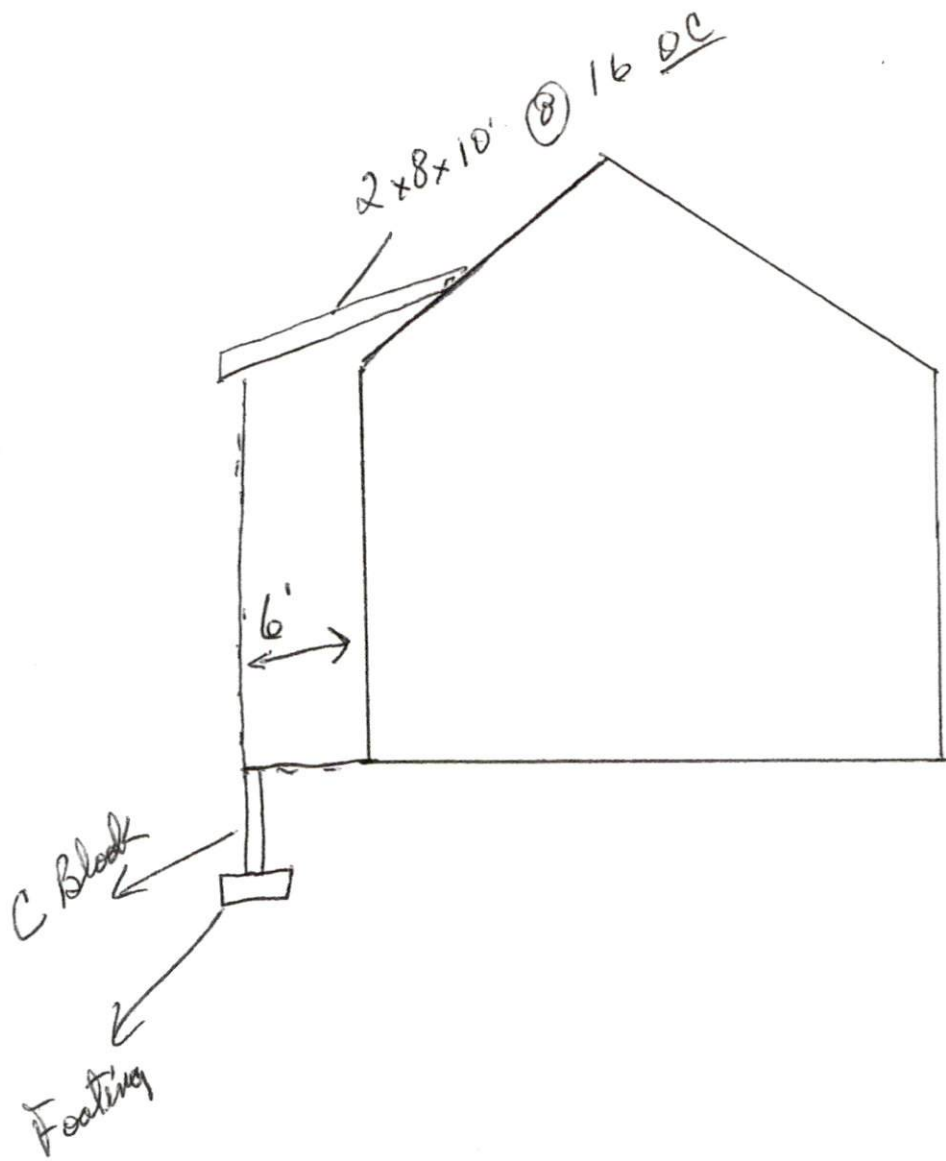
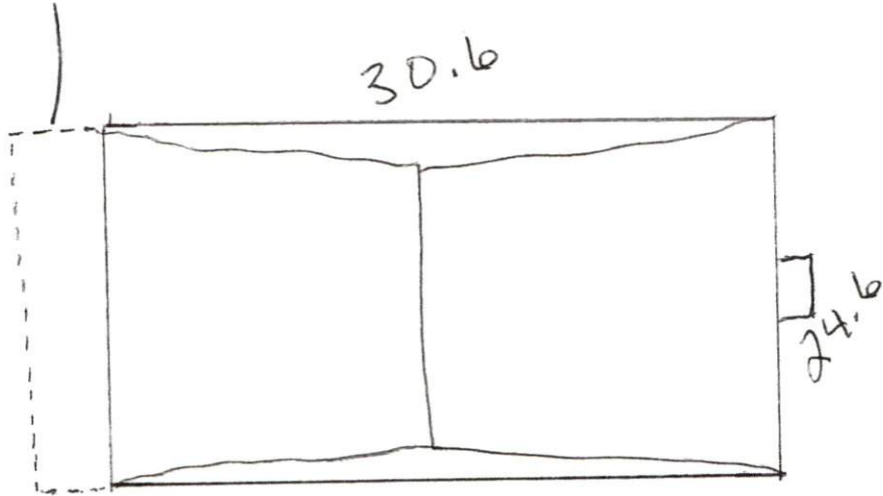


Footing 8x16
 Foundation cBlock
 Floor FRAMING - 2x8x6
 16" O center
 Floor 3/4" Ad3311 ec
 WALL Insulation
 2x4x8
 16" O center
 OSB Sheeting
 Insulation for WALL

Rafters 2x8x10
 16" O center
 OSB Sheeting
 Felt paper 30 #
 Shingles 3 Tab
 Exterior White Vinyl



6' foot



Howerton Services, PLLC
License # P-1716
3513 Cathedral Bell Road
Raleigh, NC 27614
(919) 270-3460

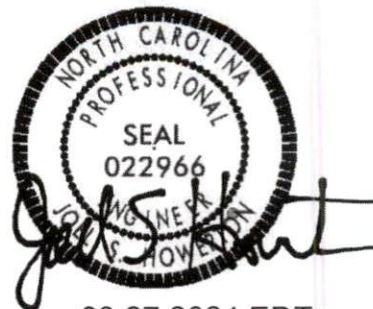
March 27, 2024

Subject: 1676 Wade Stephenson Road
Holly Springs, NC 27540
Renovation/Addition Letter

Based on the request of the Contractor, the rear wall of the home will be modified to build and addition on the rear of the home. My assessment and recommendations are as follows:

- An addition will be built on the rear of the home that runs the entire length of the home. The rear wall of the home will be removed to extend the existing rooms into the new portion of the home. A double 1 3/4"x 11 1/4" LVL beam will be upset into the ceiling to support the existing ceiling joists and the rafters at the rear of the home. The LVL beam will support the new ceiling joists of the new portion of the home as well. Fasten the LVL members together with 2 rows of 1/4"x 3 1/2" structural screws spaced at 12" o.c. The LVL beam will be supported by 3 studs on each end at the rear corners of the home and by 3 studs in 2 interior walls of the existing home. Each stud column will bear on the existing foundation wall below. Attach the existing ceiling joists and rafter combination to the LVL beam with a Simpson U26-2 or a U26-3 hanger or equivalent. Attach the new ceiling joists to the LVL beam with a Simpson U26 hanger or equivalent.
- The new roof will be a shed style roof overframed and bearing on the existing roof. I would recommend adding a new 2x6 rafter to every other existing rafter on the rear of the home to support the added load of the new roof.
- I would recommend tying the new concrete footings of the addition to the existing concrete footings with 2 - #4 dowel bars (8" long, 4" into each footing).

The renovation items noted above meet all the requirements of the 2018 North Carolina Building Code for Residences.



03 27 2024 EDT

Signature Certificate



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Author: Joel S. Howerton Creation Date: 27 Mar 2024, 18:04:18, EDT Completion Date: 27 Mar 2024, 18:04:33, EDT

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