



17-5-42301

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January 28, 2018

Subject: Framing Items
Location: Lot 41 Cottlestone - 366 Cottle Lake Dr. (Coats, NC)
Project No: TGS180309
Review Date: 1/26/2018

We are pleased to provide the evaluation of the subject and location referenced above.

Observations:

Inspection Items;

1. Inspector questions use of Redheads to secure sill plate throughout 1st floor.\
2. Contractor had to remove (1) jack stud at left side of front door framing leaving (2) jack studs as opposed to (3) per plan.
3. AO5L truss has damaged gusset at joint K.
4. AO2 truss has cracked vertical web between joint C & M.
5. AO4L truss has cracked vertical web between joints D & O.
6. Missing (2) 2x10 header above laundry room where top of stairway meets second floor.

Recommendations:

Based on our observations and review, the contractor shall;

1. Compression fit bolts (i.e. Redheads) are a sufficient substitute for wet set anchor bolts and are adequate to secure sill plate on first floor provided they are placed according to code minimum requirements (maximum 6'-0" O.C. and within 12" of corners and sill plate breaks).
2. The existing support for the front door header referenced above is adequate as is. No action required.
3. Install 18"x18"x 3/4" OSB gusset to both sides of joint K. Attach with (2) 10d nails at 4" o.c. in all members.
- 4 & 5. Install full length 2x4 scab to both sides of damaged web. Attach with (2) 10d nails at 4" o.c.
6. The stairs are supported by F13 Truss as shown on the floor truss layout, in lieu of (2) 2x10 shown on the structural plans. Adequate as is. No further action required.

If you have any questions or if I can be of further assistance to you on this project, please contact me at (919) 703-7747

Respectfully Submitted,
Mike Wilkerson
JDS Consulting & Design, PLLC

Reviewing Engineer: Elijah B. Smith, P.E.

