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Dec 13, 2018

Kimberly DeGraffenreidt
4060 Wire Rd
Linden, NC 28356

RE: Structural Evaluation for Flood Damage Repair at 4060 Wire Rd, Linden, NC

Kimberly:

Thank you for the opportunity to assist with current repairs at 4060 Wire Rd, Linden, NC. This letter addresses structural inspection/evaluation results after flood damage mitigation.

Damage has been repaired by removal of insulation and sheetrock below mid-height of the walls. At the time of this inspection, an electrical inspection had been successfully completed and the wall insulation and sheetrock had been replaced. So, this structural inspection/examination required use of photographs and inspection of exposed sole plates. Doors and windows also allowed for inspection of the wood. All the sole plates in all rooms were inspected and no rot or mold was observed. The same is true for the wood exposed around all the windows and doors. As evidenced by the sheetrock nailing, the studs are spaced correctly. Soundness checks were performed on all the walls and no weaknesses were observed. Additionally, corner bracing for all the walls is provided. The wall framing is adequate.

Insulation was observed in pictures and at the edges of repair areas. In all cases, the insulation was adequate.

Insulation is currently removed from under the floors in the crawlspace. Floor joists and girders are in good shape with no rot and only minor mold. The floor framing still has a slightly elevated moisture content. But the space is open is currently drying. The floor framing is adequate.

All flooring has been removed down to the subfloor. There are no remaining wet areas of the subfloor.

In summary, the repairs made for flood damage are adequate for code required loading conditions.

It was my pleasure to support you in this effort. If you have any questions, please call.

Sincerely,



Ronald L. Knott, P.E.
(919) 417-1962

