



Wise Engineering  
3915 Old Fairground Rd.  
Angier, NC 27501  
(919)894-2203

April 23, 2024

Chad Anderson  
Stand Sure Custom Homes, Inc.

Subject: 910 NC-82, Dunn, NC 28334

Mr. Anderson,

A representative from Wise Engineering reviewed the home being constructed at the above address. Specifically, we reviewed the first-floor framing and wall framing damaged by plumbing lines.

Based on my observations, it appears that holes for the plumbing were extended through 3 consecutive studs in the exterior wall at the right side of the home. This can be repaired by adding a stud shoe over the hole areas to provide additional strength to the stud. In addition, the plumbing for the toilet at the left side of the home, cut a floor joist from top to bottom approximately 2 foot from the main girder. I recommend installing a header to support the cut joist on the side of the cut away from the girder side and installing a "sistered" joist from the header adjacent to the cut joist back to the girder.

In summary, the stud shoes and the header installed to the cut joists are adequate to repair the plumbing holes and cuts and are structurally adequate in accordance with the 2018 NC Residential Building Code requirements.

If you need additional information or have other questions, please let me know.

Sincerely,

Randy K. Wise, PE

