



July 12, 2024

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Reference: Engineering Services
400 Mason Dr.
Erwin, NC 28339
TE&D Project No.: 2401-020174_B

To Whom It May Concern;

As requested by the client, a representative of Tyndall Engineering & Design, PA (TE&D) was on-site to inspect and observe the foundation and floor framing of the fire damaged house.

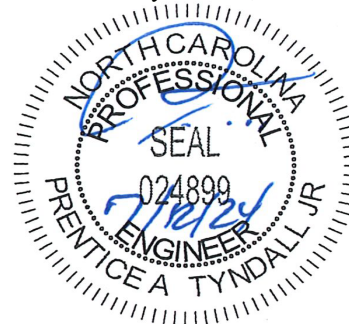
- 1) We observed the foundation to be comprised of 8" x 8" brick piers with a 4" brick curtain wall between the piers. The piers and curtain wall were supported by a brick leveling pad. The remaining floor was framed 2 x 10 joists spanning a maximum of 15'-6". The joists were supported by 2 x 10, (2) 2 x 10, and (3) 2 x 10 girders. Based on our observations and analysis, TE&D recommends the following:
 - A) The existing pier and curtain wall foundation is inadequate to support the anticipated loading conditions. The existing foundation is to be removed and rebuilt per the 2018 North Carolina Residential Building Code.
 - B) Due to moisture and insect damage as well as improper installation, the remaining floor framing is inadequate to support the anticipated loading conditions. The floor framing is to be removed and rebuilt per the 2018 North Carolina Residential Building Code.

We appreciate being able to assist you during this phase of the project. If you need further assistance or require additional information, please do not hesitate to contact us.

Sincerely,
Tyndall Engineering & Design

Tripp Amos
BH | 2401-020174_B

Prentice Tyndall Jr., P.E.





Existing Foundation:



Existing Floor Framing

