



October 11, 2023

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Reference: Engineering Services
4131 US 421 N.
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TE&D Project No.: 2301-020954

To Whom It May Concern;

As requested, a representative of Tyndall Engineering & Design, PA (TE&D) was on site to inspect the following issues:

- 1) Assessment of firewall assembly installed in lieu of the plan specified assembly.

The following conclusions and recommendations were noted:

- 1) We observed the firewall was assembled as follows from interior face to interior face: 2 x 4 stud wall framing, 5/8" gypsum panel, 1" - 2" airspace gap, 5/8" gypsum panel, 2 x 4 stud wall framing.

Based on our observations and analysis, TE&D recommends installing an additional layer of 5/8" type X gypsum panels at each side of the firewall assembly. The final assembly is to be as follows from interior face to interior face: 5/8" type X gypsum panel, 2 x 4 stud wall framing, 5/8" gypsum panel, 1" - 2" airspace gap, 5/8" gypsum panel, 2 x 4 stud wall framing, 5/8" type X gypsum panel. See attached detail.

Upon completion, the firewall assembly will meet the 1-hour assembly requirement of 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 | 2301-020954

Prentice Tyndall Jr., P.E.





Firewall Assembly Detail
(Plan View – Not to Scale)

