



May 14, 2019

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Reference: Engineering Services
107 Neill Thomas Road
Lillington, NC
Project No.: 1801-010358

To Whom It May Concern:

A representative of Tyndall Engineering & Design (TE&D) has observed the following items:

- 1) Dormer located above bedroom 5 relocated aft 32".
- 2) SPF top plate in-lieu of the plan specified SYP top plate at the living room/kitchen steel beam.
- 3) Notched (2) 11-7/8" LVL beam bearing in the W21x44 steel beam flange at the rear right living room wall.
- 4) Modified door opening at the second-floor theater room.
- 5) 24" O.C. bolting pattern at the per Detail A for the W21x44 steel beam at the living room.

The following conclusion and recommendations were noted:

- 1) Based on our observations and analysis, the existing dormer modification and framing changes related to the modification ((1) 9-1/4" LVL supporting the dormer header point loads) are adequate as constructed to support the anticipated loading conditions.
- 2) Based on our observations and analysis, the existing SPF top plate is adequate as constructed to support the anticipated loading conditions.
- 3) Based on our observations and analysis, the existing notched (2) 11-7/8" LVL bearing on the bottom flange of the steel beam coupled with the plan specified Simpson HHUS410 hanger is adequate as constructed to support the anticipated loading conditions.
- 4) Based on our observations and analysis, the existing framing modifications at the second-floor theater opening are adequate as constructed to support the anticipated loading conditions.
- 5) Based on our observations and analysis, the existing staggered bolting connection is adequate as constructed to support the anticipated loading conditions.

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

Sincerely,
Tyndall Engineering & Design, P.A.

Sean M. Holmes
SMH/1801-010358

Prentice Tyndall Jr., P.E.





Item 1



Item 3



Item 4



Item 5