

June 27, 2023

MEMO

RE: 2165 Cane Mills Road - Coats, NC
Project No: IN022412

An assessment of the roof framing construction at said residence has been completed in lieu of field variations from the original framing plan. The following determinations have been made:

- The (4) 14" LVL hip beams used to create the cathedral ceiling for the theater room over the garage is structurally sufficient.
- The 11 ¼" LVL hip beams used over the bonus room in lieu of the 14" originally specified are sufficient.
- The headers, jack and king studs for the new door from the 3-car garage to the breezeway are sufficient.
- Balcony framing construction per plan and thus structurally sufficient.

In conclusion the roof framing, as constructed, is sufficient and in compliance with the 2018 North Carolina Residential Code.

Please give me a call if you have any further questions.

Regards,



Jerome Rufaro Redmond, PE
Principal Structural Engineer