

COVINGTON ENGINEERING SERVICES

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Lake City, FL

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February 12th, 2025

Columbia County Building & Zoning Department
135 NE Hernando Ave.
Lake City, Florida 32055

**RE: Bechard Roof Covering
Structural Analysis**

To whom it may concern,

I have reviewed the drawings provided by Mike Todd Construction for the roof covering replacement at the Bechard residence. I have found these drawings to be suitable for construction and in compliance with applicable building codes. All connectors to be installed per manufacturer recommendations. All materials shall be fastened per Table R602.3(1) Fastening Schedule, F.B.C.

Structural Elements:

Roof Rafters/Joists:

#2 SP 2x8 @ MAX. 24" O.C.

Header Beam:

#2 SP 2-2x10 w/ 1/2" OSB Flitch Plate

Post:

6x6 PT Post anchored with 24" SQ x 48" Deep Concrete Footing. Min. 2000 PSI Conc.
MAX. 12' O.C.

Uplift Connectors:

Header to Rafters – Simpson H2.5A

Rafter to Band – Simpson HU7

Please contact me if you have any questions.

Respectfully,

Travis Covington, P.E.
License No. 89637



Digitally signed by Travis L. Covington
DN: CN=Travis L. Covington,
dnQualifier=A01410C00000186740C7DE200082C08,
O=Florida, C=US
Date: 2025.02.12 09:41:17-05'00'

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BY TRAVIS COVINGTON, P.E. ON THE DATE ADJACENT
TO THE SEAL.

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