

CAROL CHADWICK, P.E.

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February 16, 2022

Mr. Walker Windham

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**re: COMPRESSION ROOF FRAMING**

In lieu of engineered trusses, the roof may be constructed using the following framing members:

- Ceiling joists: 2x10 SP#2 @ 12" o.c. (uninhabited attics without storage, LL=10 psf, DL=5 psf)
- Rafters: 2x8 SP#2 @ 12" o.c. (ceiling not attached to rafters, LL=20 psf, DL=20)
- Ridge board: 2x10 SP#2
- Collar tie: 2x4 SP#2 @ 1/3 H from top @ 48" max spacing
- Fasteners per Table R802.5.1, 2020 FBC, 7<sup>th</sup> edition Simpson H2.5A clip @ each rafter both ends OR Simpson Strong-Tie Co. Strong-Drive SDWC TRUSS Screws at each rafter, both ends. Strong-Drive SDWC TRUSS Screws to be installed per manufacturer's specifications.
- Sheathing and roofing per plan

In my professional opinion, this structure meets the structural load and uplift requirement for a residential dwelling per the Florida Building Code 2020, 7<sup>th</sup> Edition, Residential. Should you have any questions, please don't hesitate to contact me.

Respectfully,

Carol Chadwick, P.E.

Digitally signed by  
Carol Chadwick  
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o=Florida,  
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CC Job #FL22048

