



Wise Engineering  
3915 Old Fairground Rd.  
Angier, NC 27501  
(919)894-2203

February 28, 2023

Alan Tallent  
300 Scott's Creek Run, Angier, NC 27501

Subject: Roof Truss Repair

Mr. Tallent,

At your request, I reviewed the home at the subject address. Specifically, I reviewed the damaged roof trusses and a method for repair/replacement.

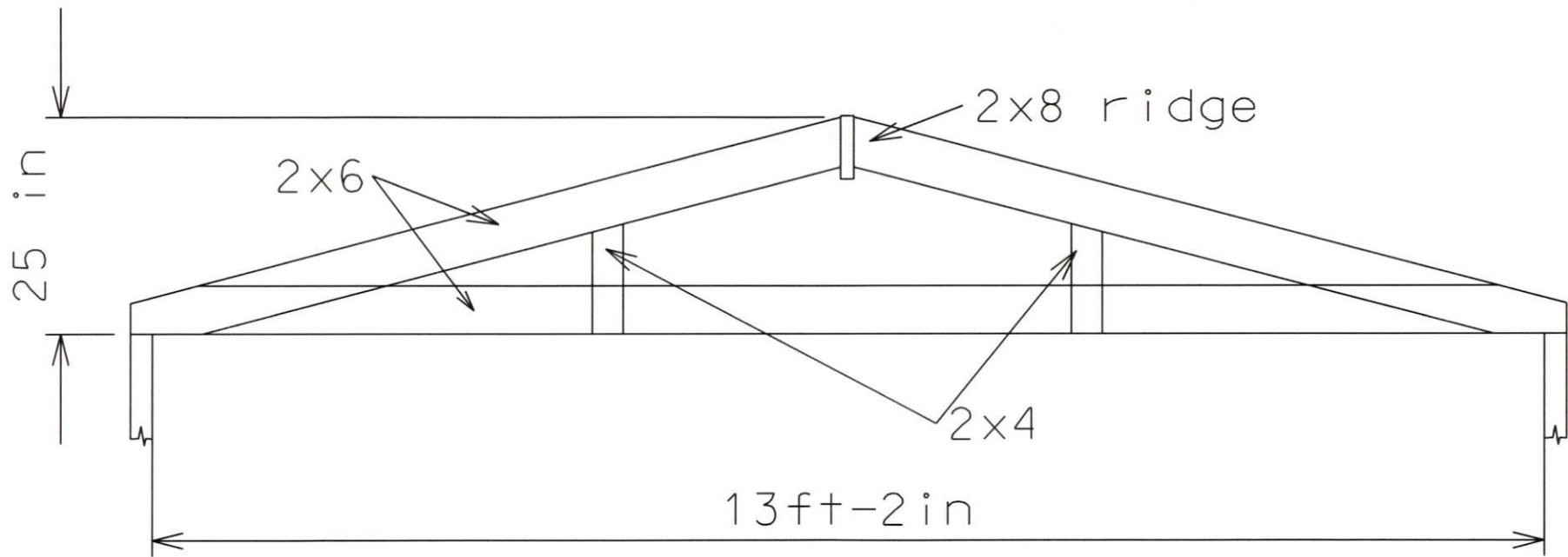
Based on my review and analysis of the damaged single wide mobile home roof, I recommend replacing the existing roof trusses with a stick framed roof. It consists of 2x6 rafters (approx. 3:12 pitch) with a 2x8 ridge plate. A 2x6 ceiling joist should be used to tie the walls together creating a flat ceiling. If desired, the ceiling joist may be raised up to 8 inches to create a "trey" ceiling effect, but a 2x6 should still be used as a ceiling joist. Also, 2x4 "webs" should be added at 1/3 of the width of the rafter section to tie the rafter to the ceiling joist. See the attached sketch for illustration.

If you need additional information or have other questions, please let us know.

Sincerely,

Randy K. Wise, PE





MH Truss Repair  
(N.T.S)

Replace Truss in living room and kitchen  
24 TRUSSES \$5000.00

Repair Inner and outer walls

Rewire total mobile home \$4200.00

Installation \$7000.00

Replace HVAC and Duct work \$6500.00

Miscellaneous

Windows

Plywood on floors

Plywood around exterior \$10,000.00

metal

\$26,700.00