

Project Information:

Kinney Garage Addition
2621 SW River Trail Road
Lee's Summit, MO 64082
Project #: 23086

Client Information:

Mr. Keith Lamming
Top Shelf Home Builders
Keith@topshelfhomebuilders.com

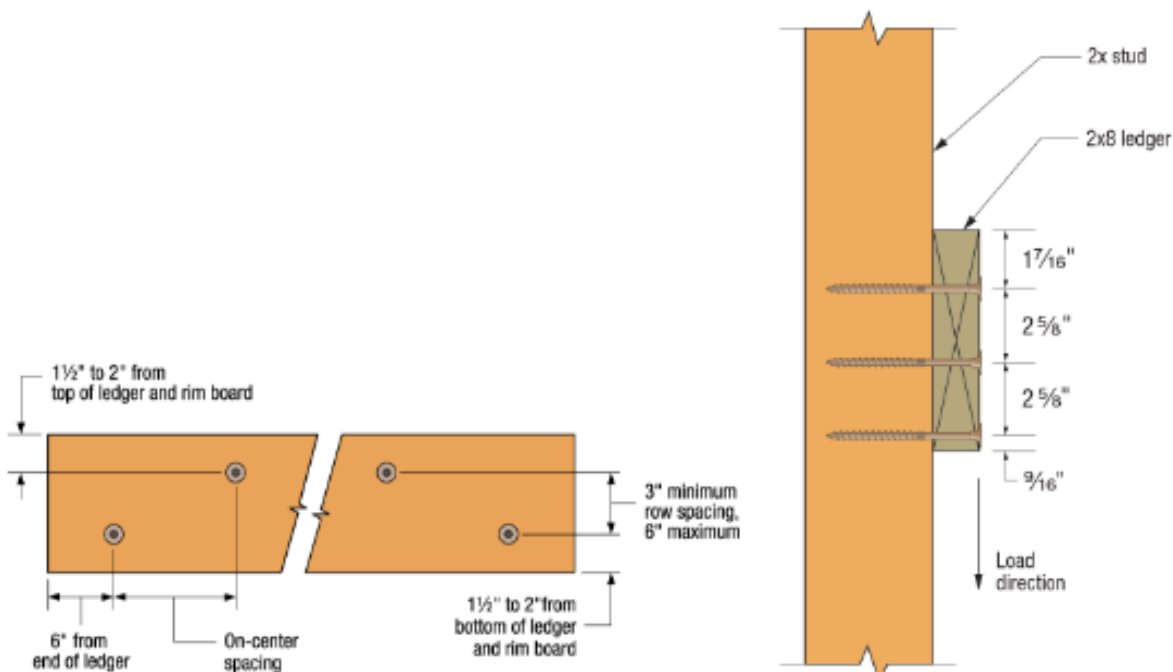
RE: Ledger for Truss Support

Dear Mr. Lamming,

May 12, 2023

At your request, I have reviewed the information you provided regarding an item for the garage addition at the addresses listed above. This report is a summary of my findings and opinions related to the ledger attachment to the existing house to support the pre-fabricated wood trusses. The trusses and their attachment to the ledger are by others.

The ledger shall be a Douglas Fir #2 2x8. The ledger shall be attached to the existing rim joist with (2) rows of 4" long Simpson SDWS screws at 8" o.c. staggered top and bottom. Alternatively, the ledger shall be attached to each existing stud (24" o.c. maximum) with (3) 5" long Simpson SDWS screws per stud. Existing siding shall be removed prior to installing ledger. 1/2" maximum thickness wood structural panel sheathing is permissible between the ledger and the rim board / stud.



Spacing Requirements for SDWS Screws for Rim Board or Stud

Not to Scale

The ledger design shown above is based on a 16' truss span with a top chord dead load of 10psf, a top chord roof live load of 20psf, a bottom chord dead load of 10psf, and a bottom chord live load of 10psf (i.e. non-storage attic).

Thank you for this opportunity to assist you. I would be happy to answer any further questions you may have.

Sincerely,



Digitally signed by
Darius Viet, P.E.
on 5/12/2023.

Darius Viet, P.E.
Viet Engineering, LLC
MO License Number: PE-2009001138
MO Certificate of Authority: E-2017008536