

August 11, 2023

New Mark Homes

Re: 1608 SW 27th St
Lot 47, Whispering Woods
Lee's Summit, MO

Apex Engineers Inc. observed the house under construction at the above-referenced address. Our firm has been retained to address comments from the city rough-in inspection. For the purposes of this report, the house will be referred to as facing south.

1. *Address deck post to beam connections and deck post to be continuous per plans.*

- The corner deck posts were observed to be continuous per the plans.
- The center deck post was observed with a splice at the deck girder beam. the repair shall be as follows:
 - (2) 5" Fastenmaster Ledgerloks or (2) 5" Simpson SDWS timber screws shall be installed above and below the splice [(4 total fasteners)]. Reference detail below.

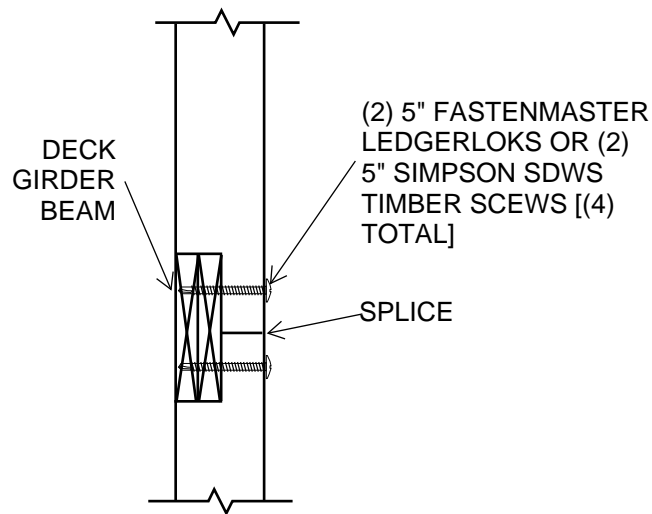


Figure 1.0 – Deck Post Splice Connection

- Deck beam-to-post connections were observed to be not per plans at the corner posts. One of the plies of the deck beam stops short of the post with only one of the plies observed to be bearing on the post.
 - After computations, our firm has determined that a single ply of the girder beam is sufficient for the bearing of the beam. The girder beam plies shall be fastened together with (3) 16d x 3.5" nails at 6" OC.

Contingent upon the repairs outline above, our firm recommends approval of these items.

Please call if our firm can of further assistance.

LIMITATIONS



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The scope of our services includes only those items specifically addressed herein. All other items are outside the scope of this inspection; including any environmental assessment (such as but not limited to mold, mildew, or the presence of any other toxic substance or environmental risks).

In addition, the scope of our services does not include any evaluation of the building or site for job-site safety and/or hazardous conditions. All construction shall be performed in compliance with IRC and OSHA standards at all times. Our firm has not been retained to examine the site or building for any of these conditions. In addition, the contractor shall retain sole responsibility for the quality of work, for adhering to plans, specifications, appropriate codes, and, for repairing defects, deficiencies or omissions, regardless of when they are found. By the use of this report, it is understood the above conditions are agreed to.

Best Regards,
Apex Engineers, Inc.

A handwritten signature in black ink that reads 'Nick A. Shifflett'.

Nick A. Shifflett, E.I.T.
Field Engineer

Clayton J. Hess, P.E.
Principal

