



April 11, 2022

Summit Homes
120 SE 30th St.
Lee's Summit, MO 64082

RE: Field Issue of over bored hole in stud for Lot #28 Woodside Ridge – 425 NW Kaylea Ct. Lee's Summit, MO 64081 – Permit # PRRES20213631

This letter addresses the over bored hole in stud for Lot #28 Woodside Ridge.

- Hole is approx. 2.5" diameter and located 1" from edge of stud.
- Hole is located approx. 2' below top plate at master bath exterior wall.
- Stud has approx. 14' of roof loads for 770 plf.

Recommended modifications:

- **Install HSS2-SDS1.5 stud shoe per manufacturer's spec's.**

Load Tables

Model No.	Stud Size	W (in.)	Fasteners (in.)	Allowable Loads ¹		
				DF/SP		
				Compression		Tension
				Floor (100)	Roof (125)	
HSS2-SDS1.5	2x	1 ⁵ / ₁₆	(12) ¼ x 1 ½ SDS	1,165	1,165	1,025
HSS2-2-SDS3	(2) 2x	3	(12) ¼ x 3 SDS	1,165	1,165	1,025
HSS2-3-SDS3	(3) 2x	4 ⁵ / ₁₆	(12) ¼ x 3 SDS	990	990	960
HSS4-SDS3	4x	3 ⁵ / ₁₆	(12) ¼ x 3 SDS	1,205	1,205	1,025

1. Roof loads are 125% of floor loads unless limited by other criteria. Floor loads may be adjusted for load durations according to the code provided they do not exceed those in the roof column.

2. Fasteners: SDS screws are Simpson Strong-Tie® Strong-Drive SDS Heavy-Duty Connector screws. For additional information, see [Fastener Types and Sizes Specified for Simpson Strong-Tie Connectors](#).

Sincerely,

Bradley Huxol, PE

