

April 22, 2022

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

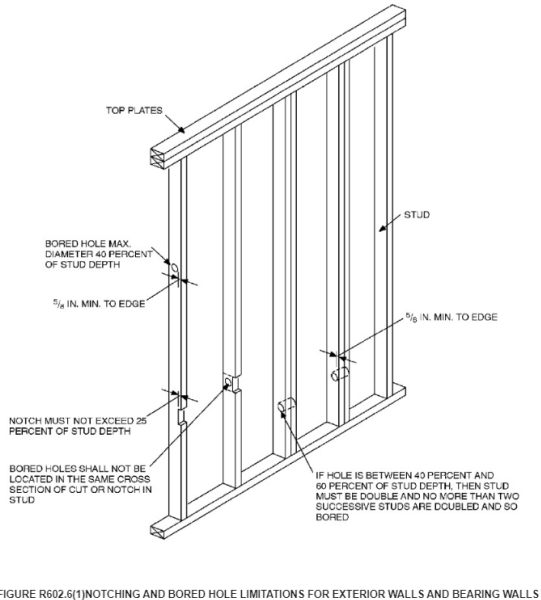
RE: Field Issue of over bored stud in garage for Lot #153 Hawthorne Ridge – 3204 SW Arboridge Dr. Lee's Summit, MO 64082 – Permit # PRRES20213383

This letter addresses the over bored hole in stud at garage exterior wall.

- Stud is overbored at electrical panel box in garage.
- Wall has approx. 2' tributary width of roof loads for 90 plf.
- Hole is approx. 2.5" diameter.
- Electrical line diameter is approx. 1.5".

Recommended modifications:

- **Install Simpson SS1.5 stud shoe per manufacturer's specifications.**



Many of these products are approved for installation with Strong-Drive® SD Connector screws.

Model No.	Stud Size	W (in.)	Fasteners (in.)	Allowable Loads ¹	
				DF/SP	
				Compression	
				Floor (100)	Roof (125)
SS1.5	2x	1 $\frac{5}{8}$	(12) 0.148 x 1 $\frac{1}{2}$	500	500
SS2.5	3x	2 $\frac{5}{8}$	(12) 0.148 x 1 $\frac{1}{2}$	730	740
SS3	(2) 2x	3 $\frac{1}{8}$	(12) 0.148 x 3	730	830
SS4.5	(3) 2x	4 $\frac{5}{8}$	(14) 0.148 x 3	840	840

Sincerely,



Bradley Huxol, PE

