



June 23, 2021

Summit Homes  
120 SE 30<sup>th</sup> St.  
Lee's Summit, MO 64082

**RE: Field Issue of nailing pattern for braced wall panels not visible due to siding installation for Lot #82 Woodside Ridge – 334 NW Ambershame Dr. Lee's Summit, MO 64081 – Permit # PRRES20204861**

This letter addresses the field issue of nailing pattern for braced wall panels not being visible due to siding installation for Lot # 82 Woodside ridge.

Per IRC table R602.10.4:

- WSP – 3/8" minimum thickness OSB with 6" oc at panel edges and 12" field (panel to stud)
- CS-WSP – 3/8" minimum thickness OSB with 6" oc at panel edges and 12" oc field
- 3/8" osb with 3/8" grooved panel siding shall be equivalent to 7/16" thickness with 8d common nails at 6" oc at panel edges and 12" oc field.
- Per IRC table R602.3(3), it is structurally acceptable to install 8d common nails at 6" oc for siding panels at edges and field to account for staggered joints between siding panels and OSB panels. Install 8d common nails at 6" oc at edges and field for all main and second floor WSP and CS-WSP panels. Nailing pattern shall be applied to exterior of siding and equivalent to OSB underlayer nailing pattern.

TABLE R602.3(3) REQUIREMENTS FOR WOOD STRUCTURAL PANEL WALL SHEATHING USED TO RESIST WIND PRESSURES<sup>a, b, c</sup>

MINIMUM NAIL		MINIMUM WOOD STRUCTURAL PANEL SPAN RATING	MINIMUM NOMINAL PANEL THICKNESS (inches)	MAXIMUM WALL STUD SPACING (inches)	PANEL NAIL SPACING		ULTIMATE DESIGN WIND SPEED V <sub>ult</sub> (mph)		
Size	Penetration (inches)				Edges (inches o.c.)	Field (inches o.c.)	Wind exposure category		
6d Common (2.0" x 0.113")	1.5	24/0	3/8	16	6	12	B	C	D
8d Common (2.5" x 0.131")	1.75	24/16	7/16	16	6	12	140	115	110
				24	6	12	170	140	135
							140	115	110

Sincerely,

Bradley Huxol, PE

