

July 14, 2022

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

RE: Field Issue of CS-PF nailing pattern at rim board obscured by deck ledger for Lot #131 Hawthorne Ridge – 3120 SW Arbortree Dr. Lee's Summit, MO 64082 – Permit # PRRES20216307

## Findings:

- CS-PF bracing is required on the great room/ covered deck wall, per plans.
- Bottom rim board nailing pattern for CS-PF is obscured by deck ledger

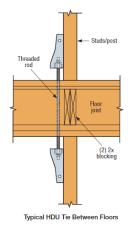
## **Recommendations:**

- Install 6" ledger Loks from sole plate to each floor joist below along the great room/ covered deck wall.
- Attach a H3 hurricane tie to each stud and attach to sole plate per manufacturer's specs.

Or

- Attach HDU2-SDS2.5 holdown device to the corner studs of the great room/covered deck wall.
- Device shall be connected at the top and bottom of the rim/band joists (see image below)
- Install per manufacturer's specs.

These products are available with additional corrosion protection. For more information, see p. 14.								stainless-steel eners, see p.21.	Many of these products are approved for installation with Strong-Drive® SD Connector screws. See pp. 348–352 for more information.					
		Dimensions (in.)						Fasteners (in.)	Minimum Wood	Allowable Tension Loads (160)				
Model No.	Ga.	w	н	В	CL	S0	Anchor Bolt Dia. (in.)	Wood Fasteners	Member Size (in.)	DF/SP	SPF/HF	Deflection at Allowable Load (in.)	Ref.	
DTT1Z		11/2	71/4	1%s	94	%s	%	(6) #9 x 1 ½" SD	1½x5½	840	840	0.17		
	14							(6) 0.148 x 11/2		910	640	0.167		
								(8) 0.148 x 1 ½		910	850	0.167		
DTT2Z		31/4	615/16	1%	*3/16	Же	1/2	(8) 1/4 x 11/2 SDS	11/2 x 31/2	1,825	1,800	0.105		
	14							(8) 1/4 x 11/2 SDS	3 x 31/2	2,145	1,835	0.128		
DTT2Z-SDS2.5								(8) 1/4 x 21/2 SDS	3 x 31/2	2,145	2,105	0.128		
HDU2-SDS2.5	14	3	81%s	31/4	1%	1%	%	(6) 1/4 x 21/2 SDS	3 x 3 1/2	3,075	2,215	0.088	IBC, FL, LA	
HDU4-SDS2.5	14	3	101%s	31/4	1%	1%	%	(10) 1/4 x 2 1/2 SDS	3 x 31/2	4,565	3,285	0.114		
HDU5-SDS2.5	14	3	13%s	314	1%	1%	%	(14) 1/4 x 21/2 SDS	3 x 3 1/2	5,645	4,340	0.115		
HDU8-SDS2.5		3		31/2	1%	11/2	7/6	(20) 1/4 x 21/2 SDS	3 x 3 1/2	6,765	5,820	0.11		
	10		16%						3½ x 3½	6,970	5,995	0.116		
									31/2 x 41/2	7,870	6,580	0.113		
HDU11-SDS2 5		3 22		31/2	1%	11/2	1	(30) 1/4 x 21/2 SDS	3½ x 5½	9,535	8,030	0.137		
HDUTT-SDS2.5	10		221/4						31/2 x 71/4	11,175	9,610	0.137	1	
									31/2 x 51/2	10,770	9,260	0.122	_	
HDU14-SDS2.5	7	3 2	251%s	31/2	1%s	1%s	1	(36) 1/4 x 21/2 SDS	3½x7¼	14,390	12,375	0.177	IBC, FL, L	
									5½ x 5½	14.445	12.425	0.172		



<sup>.</sup> 

		Fasteners (in.)				P Allowable L	.oads	Uplift with	SPF/HF Allowable Loads			Uplift with
Model No.		To Rafters/ Truss		To Studs	Uplift Lateral (160)		0.131" x 1 1/2" Nails	Uplift			0.131" x 1 1/2" Nails	
		TO HARCES/ HUSS										
■ H3	18	(4) 0.131 x 2 1/2	(4) 0.131 x 2 1/2	_	400	210	170	400	365	180	145	290
55 H3SS	18	(4) 0.131 x 2 1/2	(4) 0.131 x 2 1/2	_	280	145	120	275	225	100	85	210

1. See Straps and Ties General Notes

Sincerely,

BRADLEY
HUXOL
NUMBER
PE-2011000903

Bradley Huxol, PE