



May 23, 2022

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

RE: Clarification of CS-PF detail for Lot # 155 Cobey Creek– 3538 SE Corbin Dr. Lee's Summit, MO 64082 – Permit # PRRES20220006

CS-PF at daylight window on foundation wall:

- Install HDU2-SDS2.5 per manufacturer's specs at each end of CS-PF at daylight window.
- Drill and epoxy threaded rod 6" in depth into foundation wall.

■ These products are available with additional corrosion protection.

Model No.	Ga.	Dimensions (in.)					Fasteners (in.)		Minimum Wood Member Size (in.)	Allowable Tension Loads (160)		
		W	H	B	CL	SO	Anchor Bolt Dia. (in.)	Wood Fasteners		DF/SP	SPF/HF	Deflection at Allowable Load (in.)
 HDU2-SDS2.5	14	3	8 1/8"	3 1/4"	1 1/16"	1 1/16"	5/8"	(6) 1/4 x 2 1/2 SDS	3 x 3 1/2"	3,075	2,215	0.088
 HDU4-SDS2.5	14	3	10 1/8"	3 1/4"	1 1/16"	1 1/16"	5/8"	(10) 1/4 x 2 1/2 SDS	3 x 3 1/2"	4,565	3,285	0.114
 HDU5-SDS2.5	14	3	13 1/8"	3 1/4"	1 1/16"	1 1/16"	5/8"	(14) 1/4 x 2 1/2 SDS	3 x 3 1/2"	5,645	4,340	0.115
 HDU8-SDS2.5	10	3	16 1/8"	3 1/4"	1 1/16"	1 1/16"	7/8"	(20) 1/4 x 2 1/2 SDS	3 x 3 1/2"	6,765	5,820	0.11
									3 1/2 x 3 1/2"	6,970	5,995	0.116
									3 1/2 x 4 1/2"	7,870	6,580	0.113
 HDU11-SDS2.5	10	3	22 1/4"	3 1/4"	1 1/16"	1 1/16"	1	(30) 1/4 x 2 1/2 SDS	3 1/2 x 5 1/2"	9,535	8,030	0.137
									3 1/2 x 7 1/4"	11,175	9,610	0.137
									3 1/2 x 5 1/2"	10,770	9,260	0.122
 HDU14-SDS2.5	7	3	25 1/8"	3 1/4"	1 1/16"	1 1/16"	1	(36) 1/4 x 2 1/2 SDS	3 1/2 x 7 1/4"	14,390	12,375	0.177
									5 1/2 x 5 1/2"	14,445	12,425	0.172

1. HDU14 requires heavy-hex anchor nut to achieve tabulated loads (supplied with holdown).
2. HDU14 loads on 4x6 post are applicable to installation on either the narrow or the wide face of the post.
3. Fasteners: Nail dimensions are listed diameter by length. SD and SDS screws are Simpson Strong-Tie® Strong-Drive SD Connector and SDS Heavy-Duty Connector screws. For additional information, see [Fastener Types and Sizes Specified for Simpson Strong-Tie Connectors](#).

Sincerely,

Bradley Huxol, PE

