

Saving Lives through Innovation and Education

CUL SYSTEM NO. F-B-2051 PLASTIC PIPE THROUGH HOLLOW-CORE CONCRETE FLOOR ASSEMBLY

F-RATING = 3-HR. FT-RATING = 0-HR. OR 1/2-HR. FH-RATING = 3-HR.

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FTH-RATING = 0-HR. OR 1/2-HR. L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT (SEE NOTE NO. 2 BELOW) L-RATING AT 400°F = LESS THAN 1 CFM / SQ FT (SEE NOTE NO. 2 BELOW) W-RATING = CLASS I (SEE NOTE NO. 2 BELOW) NOTE : TESTED WITH A 50 Pa PRESSURE DIFFERENTIAL

4. HILTI CFS-DID FIRESTOP DROP-IN DEVICE INSERTED INTO OPENING (SEE TABLE BELOW) AND SECURED TO TOP OF FLOOR WITH THREE HILTI 1/4" (6mm) DIAMETER BY 1-1/4" (32mm) LONG KWIK-CON II+ CONCRETE SCREW ANCHORS, HILTI 1/4" (6mm) DIAMETER BY 1-3/4" (45mm) LONG KWIK BOLT 3 STEEL EXPANSION ANCHORS, OR HILTI 1/4" (6mm) BY 3/4" (19mm) LONG METAL HIT ANCHORS (INSTALLED IN A TRIANGULAR FASHION THROUGH HOLES PROVIDED). IN ADDITION, FOR NOMINAL 2", 3", AND 4" DEVICES, FOUR 11/16" (18mm) LONG HILTI X-GH P18 MX STEEL FASTENERS MAY BE INSTALLED THROUGH THE STEEL FLANGE, TWO ON EACH SIDE.

CORE HOLE OR SLEEVE DIAM	FIRESTOP DEVICE	NOM DIAM OF THROUGH PENETRANT	FLOOR THICKNESS (MIN. MAX.)	
4"	CFS-DID 2" C	2" OR SMALLER+	6" to 6-1/2"	
5"	CFS-DID 3" C	3"	6" to 6-1/2"	
6"	CFS-DID 4" C	4"	6" to 6-1/2"	
4"	CFS-DID 2" HC8	2" OR SMALLER+	7-1/2" to 8-1/2"	
5"	CFS-DID 3" HC8	3"	7-1/2" to 8-1/2"	
6"	CFS-DID 4" HC8	4"	7-1/2" to 8-1/2"	
4"	CFS-DID 2" HC10	2" OR SMALLER+	9-1/2" to 10-1/2"	
5"	CFS-DID 3" HC10	3"	9-1/2" to 10-1/2"	
6"	CFS-DID 4" HC10	4"	9-1/2" to 10-1/2"	
4"	CFS-DID 2" HC12	2" OR SMALLER+	11-1/2" to 12-1/2"	
5"	CFS-DID 3" HC12	3"	11-1/2" to 12-1/2"	
6"	CFS-DID 4" HC12	4"	11-1/2" to 12-1/2"	

+ FOR PIPE SMALLER THAN NOMINAL 2" DIAMETER, AN ADAPTER AND HILTI IPS OR CPS TOP SEAL PLUG MUST BE USED IN CONJUNCTION WITH THE CFS-DID 2" C, HC8, HC10, AND HC12 DEVICES.

NOTES : 1. CLOSED OR VENTED PIPING SYSTEM (PVC, ABS, FRPP, XFR 15/50 PVC = SCH 40; CPVC = SDR 13.5). 2. [OPTIONAL] TO ACHIEVE W-RATING AND/OR L-RATING, WATER BARRIER MODULES MAY BE THREADED ON TOP OF CFS-DID DEVICES FOR NOMINAL 2", 3", AND 4" PIPES (LISTED ABOVE).							
Hilti Firestop Systems	HILTI, Inc. Tulsa, Oklahoma USA (800) 879-8000	Sheet Scale Date	2 of 2 - Feb. 27, 2014	Drawing No. CUL FB20510			

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