cUL SYSTEM NO. C-AJ-2024

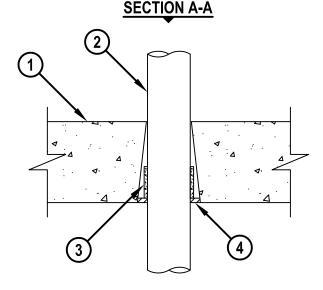
CANADA ON

SUL CAJ2024e.011715

PLASTIC PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL ASSEMBLY

F AND FH-RATING = 3-HR. FT AND FTH-RATING = 0-HR.

NOTE: TESTED WITH A 50 Pa PRESSURE DIFFERENTIAL



- 1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING):
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
 - B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
- 2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
 - A. MAXIMUM 2" NOMINAL DIAMETER PVC PLASTIC PIPE (CELLULAR OR SOLID CORE).
 - B. MAXIMUM 2" NOMINAL DIAMETER CPVC PLASTIC PIPE (SDR 13.5) (CLOSED PIPING SYSTEM ONLY).
 - C. MAXIMUM 2" NOMINAL DIAMETER AQUARISE CPVC PLASTIC PIPE (SDR 11) MANUFACTURED BY IPEX, INC. (CLOSED PIPING SYSTEM ONLY).
- 3. HILTI CP 648E WRAP STRIP (NOMINAL 3/16" THICK x 1-3/4" WIDE) WRAPPED CONTINUOUSLY AROUND THE OUTER CIRCUMFERENCE OF THE PIPE, COVERING ONE TIME, WITH ENDS BUTTED AND HELD IN PLACE WITH TAPE. WRAP STRIP TO BE INSERTED INTO ANNULAR SPACE AND RECESSED FROM BOTTOM SURFACE OF FLOOR 1/4" TO ACCOMMODATE FIRESTOP SEALANT.
- 4. MINIMUM 1/4" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT FLUSH WITH BOTTOM SURFACE OF FLOOR.

	NOM. PIPE	MINIMUM DIAMETER	MAXIMUM DIAMETER	ANNULAR SPACE AT	RATINGS			
	DIAMETER	OF TOP OPENING	OF BOTTOM OPENING	BOTTOM OF OPENING	F	FT	FH	FTH
	1-1/2"	1-7/8"	3"	NOMINAL 9/16"	3	0	3	0
ſ	2"	2-1/2"	3-1/2"	NOMINAL 9/16"	3	0	3	0

NOTES: 1. CLOSED OR VENTED PIPING SYSTEM (PVC = SCHEDULE 40; CPVC = SDR 11 OR 13.5).

2. HILTI CP 648E WRAP STRIP(S) AND HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT ARE REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.



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Sheet	1 of 1
Scale	3/16" = 1"
Date	Jan. 17, 2015

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