UL SYSTEM NO. C-AJ-2613

PLASTIC PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

F-RATING = 2-HR. T-RATING = 2-HR.

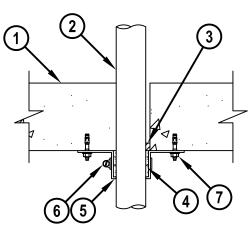
BOTTOM VIEW

A

A

A

SECTION A-A



- 1. CONCRETE FLOOR OR WALL ASSEMBLY (2-HR. FIRE-RATING):
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MINIMUM 4-1/2" THICK).
 - B. ANY UL CLASSIFIED CONCRETE BLOCK WALL.
- 2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING (CLOSED OR VENTED PIPING SYSTEM):
 - A. MAXIMUM 2" [50mm] NOMINAL DIAMETER FUSIOTHERM® (SDR 7.4 WITH FASER) PP PLASTIC PIPE (MANUFACTURED BY AQUATHERM, INC.).
 - B. MAXIMUM 2" [50mm] NOMINAL DIAMETER CLIMATHERM® (SDR 11 WITH FASER) PP PLASTIC PIPE (MANUFACTURED BY AQUATHERM, INC.).
 - C. MAXIMUM 2" [63mm] NOMINAL DIAMETER POLYSTAR™ CT-WHITE (SDR 11, SDR 9, OR SDR 7.4) PP PLASTIC PIPE (MANUFACTURED BY ORION) (CLOSED PIPING SYSTEM).
- 3. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT.
- 4. HILTI CP 648E WRAP STRIP (NOMINAL 3/16" THICK x 1-3/4" WIDE) CONTINUOUSLY WRAPPED AROUND THE OUTER CIRCUMFERENCE OF THE PIPE, COVERING ONE TIME, WITH ENDS BUTTED AND HELD IN PLACE WITH TAPE.
- 5. HILTI 1-3/4" RETAINING COLLAR OVERLAPPING MINIMUM 1".
- 6. NOMINAL 1/2" WIDE STAINLESS STEEL HOSE CLAMP FASTENED AT MID-HEIGHT OF RETAINING COLLAR.
- 7. SECURE EVERY OTHER TAB TO BOTTOM OF FLOOR WITH 1/4" x 1-1/4" LONG STEEL EXPANSION BOLTS, 1/4" x 1-1/4" CONCRETE SCREW ANCHOR, 0.145 DIAMETER x 1-1/4" LONG POWDER ACTUATED FASTENER WITH 9/16" STEEL WASHER, 1/4" x 1-3/4" HILTI KWIK-BOLT 3 STEEL EXPANSION ANCHOR, 1/4" x 1-1/4" HILTI KWIK-CON II+ CONCRETE SCREW ANCHOR, OR HILTI X-DNI 27 P8 S15 POWDER ACTUATED FASTENER WITH INTEGRATED STEEL WASHER.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 2-1/4".

- 2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 5/16".
- 3. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT AND HILTI CP 648E WRAP STRIP WITH RETAINING COLLAR ARE REQUIRED ON BOTH SIDES OF A WALL.



HILTI, Inc. Tulsa, Oklahoma USA (800) 879-8000

Sheet	1 of 1
Scale	5/32" = 1"
Date	Jan. 05, 2015

CAJ 2613c

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