cUL SYSTEM NO. C-AJ-0004

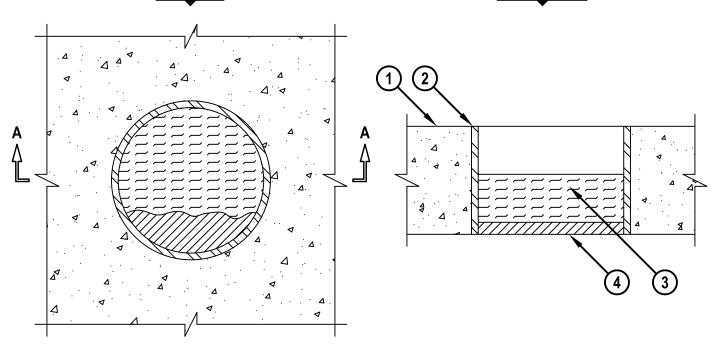


SUL CAJ0004b.011715

BLANK OPENING THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

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

SECTION A-A



- 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.

TOP VIEW

- 2. [OPTIONAL] MAXIMUM 6" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 10 OR HEAVIER).
- 3. MINIMUM 2" THICKNESS MINERAL WOOL (MINIMUM 4 PCF DENSITY) TIGHTLY PACKED.
- 4. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT FLUSH WITH BOTTOM OF FLOOR.

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 6".

2. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY



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

Sheet	1 of 1
Scale	1/4" = 1"
Date	Jan. 17, 2015

CUL CAJ0004b