UL SYSTEM NO. C-AJ-2337

PLASTIC PIPE THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL ASSEMBLY

F-RATING = 3-HR. T-RATING = 0-HR.

W-RATING = CLASS I (SEE NOTE NO. 5 BELOW)

- 1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR. FIRE-RATING):
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2" THICK).
 - B. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 5" THICK).
 - C. ANY UL CLASSIFIED CONCRETE BLOCK WALL.
- 2. MAXIMUM 4" NOMINAL DIAMETER (SCHEDULE 40) ABS PLASTIC PIPE (CELLULAR OR SOLID CORE) (VENTED OR CLOSED PIPING SYSTEM).
- 3. HILTI CP 648E WRAP STRIP (NOMINAL 3/16" THICK x 1-3/4" WIDE) CONTINUOUSLY WRAPPED AROUND THE OUTER CIRCUMFERENCE OF THE PIPE, COVERING ONCE, WITH ENDS HELD IN PLACE WITH TAPE. HILTI CP 648E WRAP STRIP TO BE DOUBLE-STACKED AND INSTALLED FLUSH WITH BOTTOM OF FLOOR (SEE NOTE NO. 3 BELOW).
- 4. MINIMUM 1/4" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT, HILTI CP 601S ELASTOMERIC FIRESTOP SEALANT, HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT, OR HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT.
 - NOTES: 1. MAXIMUM DIAMETER OF OPENING = 5".
 - 2. ANNULAR SPACE = MINIMUM 3/16", MAXIMUM 5/16".
 - 3. FOR WALLS, INSTALL ONE WRAP STRIP FROM EACH SIDE OF WALL AND RECESS 1/4".
 - 4. MINIMUM 1/4" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT, HILTI CP 601S ELASTOMERIC FIRESTOP SEALANT, OR HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.
 - 5. W-RATING APPLIES ONLY WHEN HILTI CP 601S ELASTOMERIC FIRESTOP SEALANT, HILTI CFS-S SIL GG FIRESTOP SILICONE SEALANT, OR HILTI CFS-S SIL SL FIRESTOP SILICONE SEALANT IS USED.



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

Sheet	1 of 1
Scale	11/64" = 1"
Date	Dec. 31, 2014

CAJ 2337g

Saving Lives through Innovation and Education