UL SYSTEM NO. W-J-2108

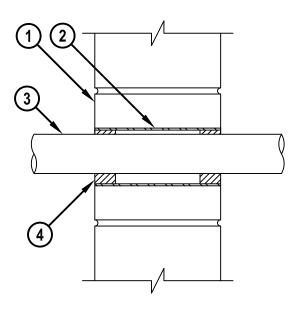
PLASTIC PIPE THROUGH CONCRETE WALL OR BLOCK WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR. T-RATING = 0-HR.

FRONT VIEW
A



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- 1. CONCRETE WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN) :
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL ASSEMBLY (MINIMUM4-3/4" THICK).
 - **B. ANY UL CLASSIFIED CONCRETE BLOCK WALL.**
- 2. [OPTIONAL] MAXIMUM 3-1/2" NOMINAL DIAMETER SHEET METAL SLEEVE (MIN. 28. GA) WITH MINIMUM 1-1/4 LAP ALONG LONGITUDINAL SEAM.
- 3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING (ALSO SEE NOTE NO. 3 BELOW):
 - A. MAXIMUM 2" NOMINAL DIAMETER PVC PLASTIC PIPE (CELLULAR OR SOLID CORE).
 - B. MAXIMUM 2" NOMINAL DIAMETER CPVC PLASTIC PIPÈ (CLOSED PIPING SYSTEM ONLY).
- 4. HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT:
 - A. MINIMUM 5/8" DEPTH OF SEALANT FOR A 1-HR. FIRE-RATING.
 - B. MINIMUM 1-1/4" DEPTH OF SEALANT FOR A 2-HR, FIRE-RATING,

NOTES: 1. MAXIMUM DIAMETER OF OPENING = 3-1/2".

- 2. ANNULAR SPACE = MINIMUM 1/4", MAXIMUM 11/16".
- 3. CLOSED OR VENTED PIPING SYSTEMS (PVC = SCHEDULE 40; CPVC = SDR 13.5).



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

| Sheet | 1 of 1 |
|-------|---------------|
| Scale | 11/64" = 1" |
| Date | Jan. 08, 2015 |

WJ 2108b

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