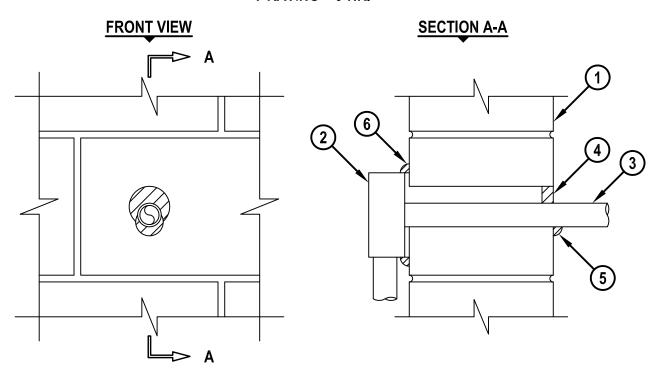
UL/cUL SYSTEM NO. W-J-1214

METAL PIPE THROUGH CONCRETE WALL OR BLOCK WALL ASSEMBLY

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



- 1. CONCRETE WALL ASSEMBLY (2-HR. FIRE-RATING) :
 - A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MINIMUM 5-5/8" THICK).
 - B. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.
- 2. STEEL PULL OR JUNCTION BOX (MIN. 16 GA.) MOUNTED FLUSH OR MAXIMUM 1/4" FROM WALL SURFACE.
- 3. MAXIMUM 1" NOMINAL DIAMETER STEEL CONDUIT OR EMT.
- 4. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT.
- 5. MINIMUM 1/2" BEAD HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.
- 6. MINIMUM 1/2" BEAD HILTI FS-ONE MAX OR FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AROUND ENTIRE PERIMETER OF PULL OR JUNCTION BOX, OVERLAPPING MINIMUM 1/2" ONTO WALL AND PULL OR JUNCTION BOX.

NOTES: 1. DIAMETER OF OPENING TO BE MINIMUM 1/2" LARGER THAN OUTSIDE DIAMETER OF PENETRANT, WITH A MAXIMUM DIAMETER OF 2-1/4".

2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-1/8".



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

| Sheet | 1 of 1 |
|-------|---------------|
| Scale | 3/16" = 1" |
| Date | Jan. 08, 2015 |

WJ 1214b

Saving Lives through Innovation and Education