

**METAL PIPE THROUGH CONCRETE WALL OR CONCRETE BLOCK WALL ASSEMBLY**

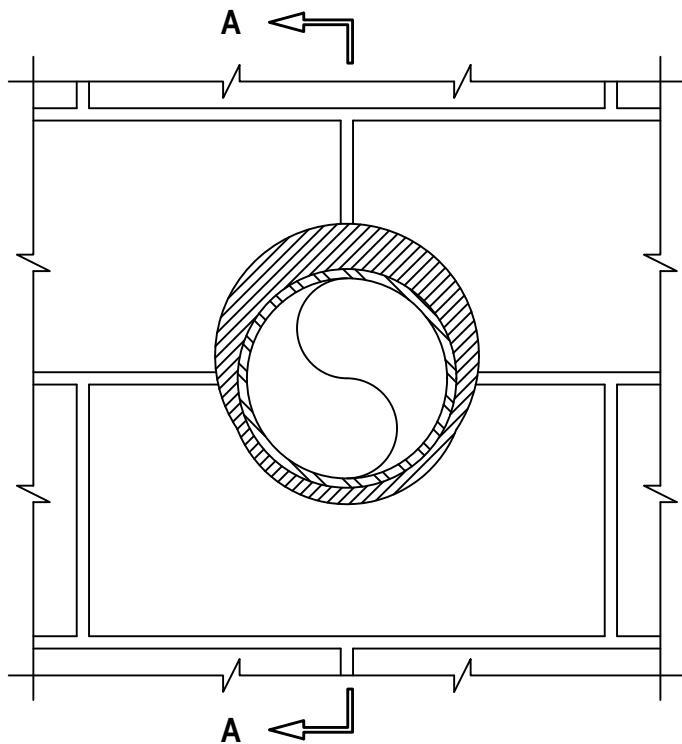
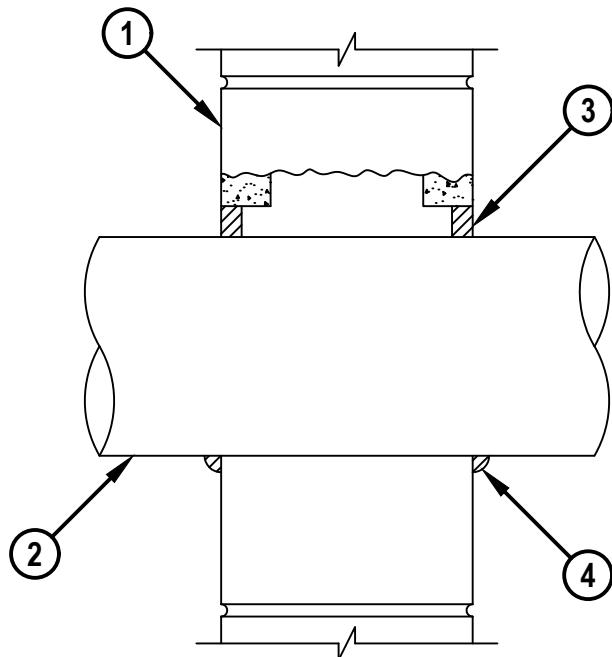
F-RATING = 1-HR. OR 2-HR. (SEE NOTES BELOW)

T-RATING = 0-HR. OR 1/2-HR. (SEE NOTES BELOW)

L-RATING AT AMBIENT = LESS THAN 1 CFM / SQ FT

L-RATING AT 400° F = LESS THAN 1 CFM / SQ FT

WJ1067j.122925

FRONT VIEWSECTION A-A

Hilti, Inc.  
Plano, Texas USA (800) 879-8000

Sheet

1 of 2

Scale

11/64" = 1"

Date

Dec. 29, 2025

Drawing No.

**WJ**  
**1067j**

## METAL PIPE THROUGH CONCRETE WALL OR CONCRETE BLOCK WALL ASSEMBLY

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T-RATING = 0-HR. OR 1/2-HR. (SEE NOTES BELOW)

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## 1. CONCRETE WALL ASSEMBLY (1-HR. OR 2-HR. FIRE-RATING) :

- A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MIN. 3-3/4" THICK, FOR 1-HR. FIRE- RATING).
- B. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE WALL (MIN. 5" THICK, FOR 2-HR. FIRE-RATING).
- C. ANY UL/cUL CLASSIFIED CONCRETE BLOCK WALL.

## 2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :

- A. MAXIMUM 30" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
- B. MAXIMUM 30" DIAMETER STAINLESS STEEL PIPE (SCHEDULE 10 OR HEAVIER).
- C. MAXIMUM 30" NOMINAL DIAMETER CAST IRON PIPE.
- D. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE (REGULAR OR HEAVIER).
- E. MAXIMUM 6" DIAMETER COPPER TUBING (TYPE L OR HEAVIER).
- F. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
- G. MAXIMUM 4" NOMINAL DIAMETER STEEL EMT.
- H. MAXIMUM 2" NOMINAL DIAMETER ALUMINUM EMT.
- I. MAXIMUM 2" NOMINAL DIAMETER ALUMINUM CONDUIT.
- J. MAXIMUM 2" NOMINAL DIAMETER ALUMINUM PIPE (SCH. 5 OR HEAVIER).

## 3. MINIMUM 5/8" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.

## 4. MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 32-1/4".

2. ANNULAR SPACE (PENETRATIONS 2A THROUGH 2G) = MINIMUM 0", MAXIMUM 2-1/4".

3. ANNULAR SPACE (PENETRATIONS 2H THROUGH 2J) = MINIMUM 0", MAXIMUM 1-1/2".

4. PENETRATIONS 2A THROUGH 2G MAY BE INSTALLED WITH CONTINUOUS POINT OF CONTACT.

5. WHEN PENETRATIONS 2H THROUGH 2J ARE INSTALLED, CONCRETE WALL ASSEMBLY SHALL BE MINIMUM 6" THICK FOR A 1-HR. OR 2-HR. F-RATING.

6. WHEN PENETRATIONS 2H THROUGH 2J ARE INSTALLED, THE T-RATING IS 1/2-HR.

7. WHEN PENETRATIONS 2H THROUGH 2J ARE INSTALLED, THE CAN/ULC-S115 TESTING STANDARD IS NOT APPLICABLE.



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