

ENGINEERING JUDGMENT FIRESTOP DETAIL

THIS ENGINEERING JUDGMENT REPRESENTS A FIRESTOP SYSTEM THAT WOULD BE EXPECTED TO PASS THE STATED RATINGS IF TESTED

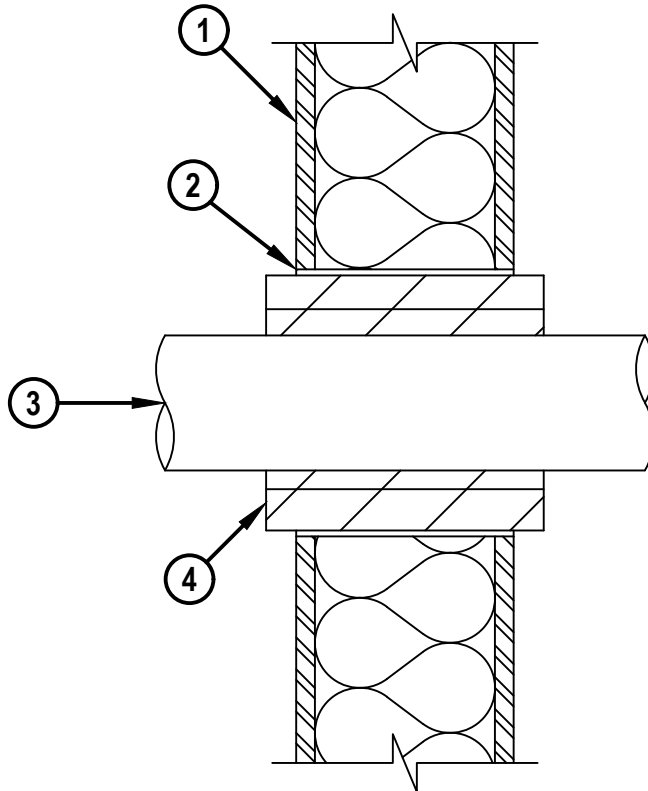
PROJECT : MEDICOM
ADDRESS : 2570 Bonder Rd, london, Ontario N6M 1E1

ISSUED TO : SPH ENGINEERING INC

Ratings

F-RATING = 2-HR. (SEE NOTE NO. 5 BELOW)

CROSS-SECTIONAL VIEW



HILTI
Hilti Firestop Systems

HILTI, Inc.
Plano, Texas USA (800) 879-8000
Designed by Hilti FPE
Jaeger Cox

Jaeger Cox

Drafter

Sheet 1 of 2
Scale 5/32" = 1"
Date Jan. 10, 2025

Drawing No.

661407a

Saving Lives through Innovation and Education

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1. INSULATED METAL PANEL WALL ASSEMBLY (NOMINAL 6" WIDE) (2-HR. RATING)
2. OPENING TO BE SLEEVED OUT WITH SHEET METAL SLEEVE (MIN. 28 GA.) WITH 1" OVERLAP ALONG LONGITUDINAL SEAM. SLEEVE TO BE RIGIDLY SUPPORTED AND FLUSH WITH WALL SURFACES.
3. METALLIC PENETRANTS TO CONSIST OF ONE OR MORE OF THE FOLLOWING :
 - A. MAXIMUM 6" NOMINAL DIAMETER STEEL PIPE OR STAINLESS STEEL PIPE (SCH 10 OR HEAVIER).
 - B. MAXIMUM 6" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
 - C. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
 - D. MAXIMUM 6" NOMINAL DIAMETER STEEL EMT.
4. HILTI CFS-BL FIRESTOP BLOCK (2" THICK, 5" WIDE, 8" DEEP, REFERENCE : SECTION VIEW) FIRMLY PACKED AND CENTERED WITHIN OPENING.

- NOTES :
1. MAXIMUM AREA OF OPENING = 1,200 SQ.IN..
 2. ANNULAR SPACE BETWEEN PENETRANTS AND PERIPHERY OF OPENING = MINIMUM 0", MAXIMUM 12".
 3. ANNULAR SPACE BETWEEN PENETRANTS = MINIMUM 1/2", MAXIMUM 12".
 4. APPLY HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT IN ANY VOID THAT MAY EXIST AROUND PENETRANTS OR FIRESTOP BLOCKS.
 5. FIRE-RATING OF ASSEMBLY IS DEPENDENT UPON THE PERFORMANCE OF THE WALL ASSEMBLY UNDER FIRE CONDITIONS.

Referenced Tested Systems
(REFERENCE : UL/cUL SYSTEM NO. C-AJ-8207 & C-AJ-8208)

Project Application Details
CS0275762

Applicable Test Method
CAN/ULC S115-23



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