FIRESTOP CUSTOM DETAIL

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

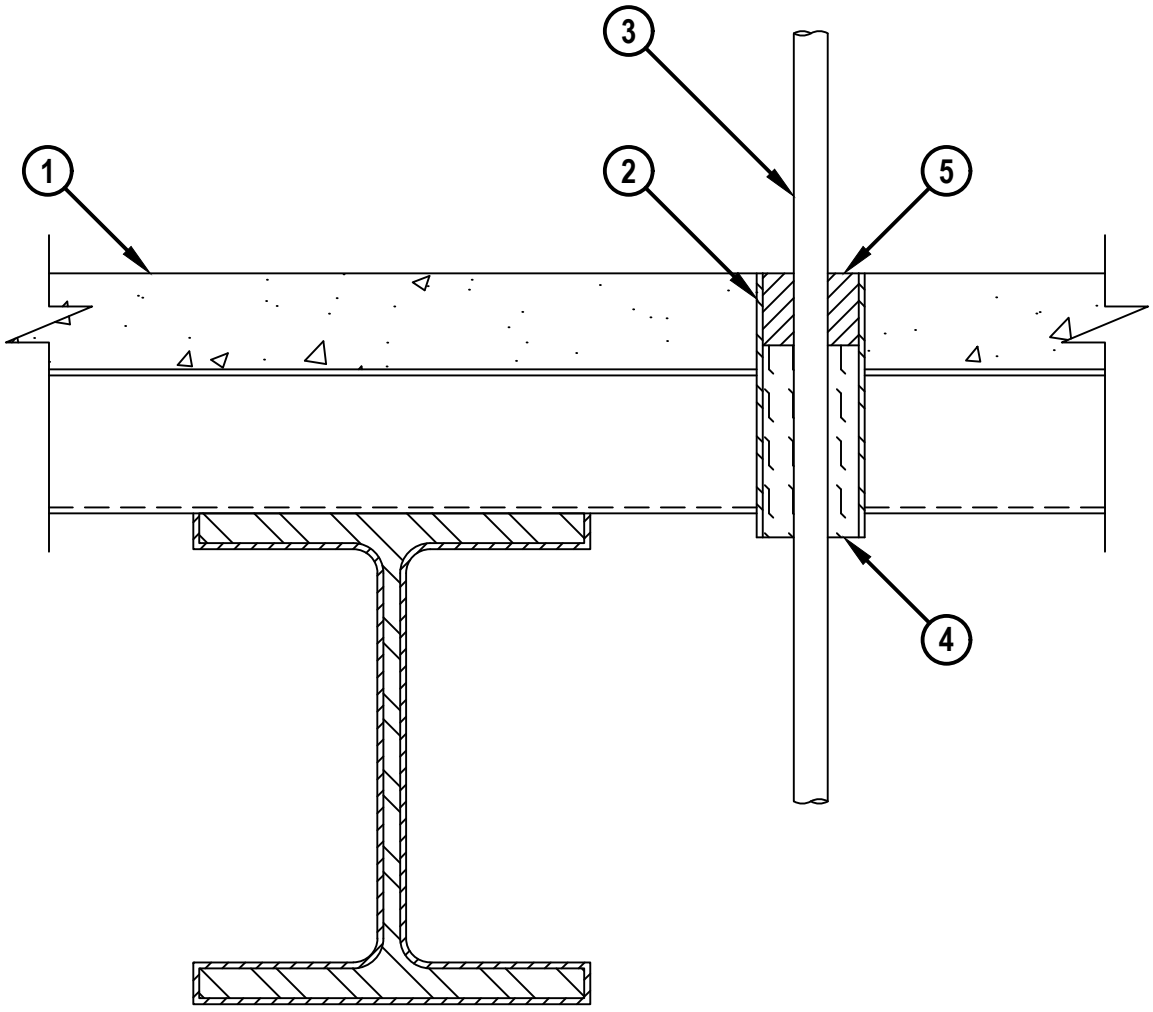
PROJECT : KEITH ROAD
ADDRESS : -, KELOWNA , BC -

ISSUED TO : LIONHEAD MECHANICAL

Ratings

F-RATING = 1-HR. (SEE NOTE NO. 4 BELOW)

CROSS-SECTIONAL VIEW



Hilti Firestop Systems

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

Designed by Hilti FPE
Tri Truong

Drafter
TT

Sheet	**1 of 2**
Scale	**1/4" = 1"**
Date	**Aug. 24, 2023**

Drawing No.
604883a

Saving Lives through Innovation and Education

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FIRESTOP SYSTEMS FOR NON-METALLIC PIPE(S), IN ACCORDANCE WITH NBCC 2015 ARTICLE 3.1.9.5.(2), 3.1.9.5.(4), 3.1.9.5.(6) AND 3.1.5.19, MAY BE REQUIRED TO BE TESTED TO CAN/ULC S115 AT A 50 Pa PRESSURE DIFFERENTIAL BETWEEN THE EXPOSED AND NONEXPOSED SIDES (WITH THE HIGHER PRESSURE ON THE EXPOSED SIDE). THIS ENGINEERING JUDGMENT IS DESIGNED BASED ON TESTING DONE AT A 2.5 Pa PRESSURE DIFFERENTIAL. CONSULT WITH THE AUTHORITY HAVING JURISDICTION FOR APPROVAL OF THIS ENGINEERING JUDGEMENT PRIOR TO INSTALLATION.

1. **CONCRETE FLOOR OVER METAL DECKING (MIN. 2" THICK) WITH STEEL BEAM ASSEMBLY (UL DESIGN NO. N609) (1-HR FIRE-RATED).**
2. **MAXIMUM 2" DIAMETER SHEET METAL SLEEVE (MIN. 28 GA.) WITH 1" OVERLAP ALONG LONGITUDINAL SEAM. SLEEVE TO BE FLUSH WITH TOP OF FLOOR ASSEMBLY AND SIZED TO ACCOMODATE FIRESTOP PRODUCT. SLEEVE TO BE RIGIDLY SUPPORTED.**
3. **MAXIMUM 1/2" NOMINAL DIAMETER PEX PIPE (SDR 9) (CLOSED OR VENTED PIPING SYSTEM).**
4. **MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED, FLUSH WITH END OF SLEEVE, AND RECESSED TO ACCOMMODATE SEALANT.**
5. **MINIMUM 1/2" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT.**

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 2".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1".
3. [NOT SHOWN] WHEN ANNULAR SPACE IS 0", APPLY MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT AT POINT OF CONTACT.
4. FIRE-RATING OF ASSEMBLY IS DEPENDENT UPON THE PERFORMANCE OF FLOOR ASSEMBLY UNDER FIRE CONDITIONS.

Referenced Tested Systems
(REFERENCE : cUL SYSTEM NO. C-AJ-2061)

Project Application Details
CS0183285

Applicable Test Method
CAN/ULC S115-18

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