

UL/cUL SYSTEM NO. W-L-1392
METAL PIPE THROUGH GYPSUM WALL ASSEMBLY

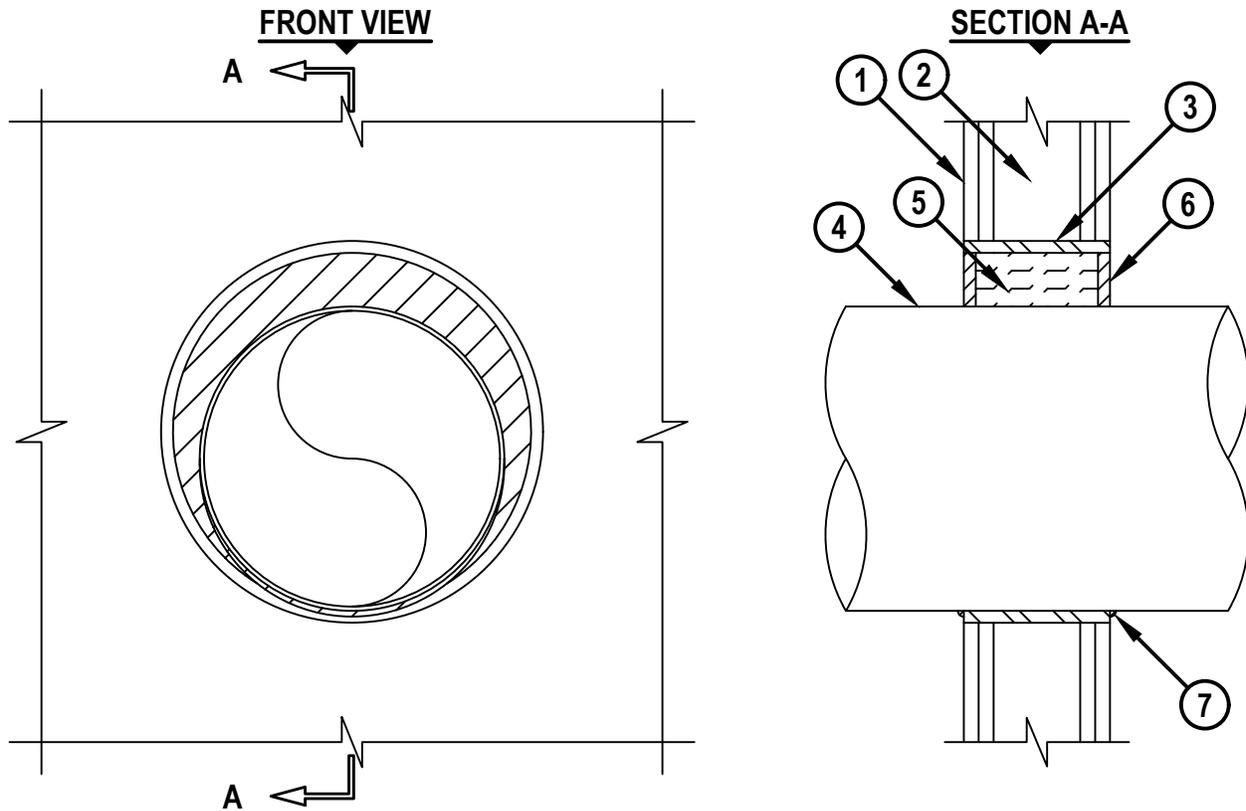
F-RATING = 1-HR. OR 2-HR.

T-RATING = 0-HR.

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

L-RATING AT 400°F = 4 CFM / SQ FT

WL1392c.031626



1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400, V400, OR V400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. [NOT SHOWN] STEEL STUDS TO BE MINIMUM 3-5/8" WIDE.
3. SLEEVE TO BE ONE OF THE FOLLOWING FLUSH WITH WALL SURFACES:
 - A. MAXIMUM 16" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCH 40 OR LIGHTER)
 - B. MAXIMUM 16" NOMINAL DIAMETER STEEL SHEET METAL SLEEVE (28 GA.) WITH NOMINAL 2" OVERLAP AT THE LONGITUDINAL SEAM.



Hilti Firestop Systems

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

Sheet	1 of 2
Scale	1/8" = 1"
Date	Mar. 16, 2026

Drawing No.

**WL
1392c**

Saving Lives through Innovation and Education

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4. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
- A. MAXIMUM 12" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
 - B. MAXIMUM 12" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
 - C. MAXIMUM 12" NOMINAL DIAMETER STAINLESS STEEL PIPE (SCHEDULE 10 OR HEAVIER).
 - D. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE OR TUBE.
 - E. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT OR STEEL EMT.
 - F. MAXIMUM 8" NOMINAL DIAMETER ALUMINUM EMT (CLOSED PIPING SYSTEM ONLY).
 - G. MAXIMUM 8" NOMINAL DIAMETER ALUMINUM CONDUIT (CLOSED PIPING SYSTEM ONLY).
 - H. MAXIMUM 8" NOMINAL DIAMETER ALUMINUM PIPE (SCHEDULE 5 OR HEAVIER) (CLOSED PIPING SYSTEM ONLY).
5. MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED AND RECESSED ON BOTH SIDES OF WALL TO ACCOMMODATE FIRESTOP SEALANT PER TABLE BELOW.
6. HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT INSTALLED IN ANNULAR SPACE PER TABLE BELOW.
7. MINIMUM 1/4" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

F-RATING	PENETRATING ITEM (ITEM 4)	DEPTH OF PACKING MATERIAL (ITEM 5)	DEPTH OF FILL MATERIAL (ITEM 6)	MINIMUM ANNULAR SPACE	MAXIMUM ANNULAR SPACE
1-HR.	A, B, C, D, & E	3-7/8"	1/2"	0" (POINT OF CONTACT)	3-7/8"
2-HR.	A, B, C, D, & E	5-1/8"	1/2"	0" (POINT OF CONTACT)	3-7/8"
1-HR.	F, G, & H	3-5/8"	5/8"	1/2"	1-1/2"
2-HR.	F, G, & H	4-7/8"	5/8"	1/2"	1-1/2"

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 16".
 2. ANNULAR SPACE = PER TABLE ABOVE.
 3. PENETRATIONS F, G, AND H ARE NOT APPLICABLE TO THE CAN/ULC-S115 TESTING STANDARD.



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Scale	-
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