

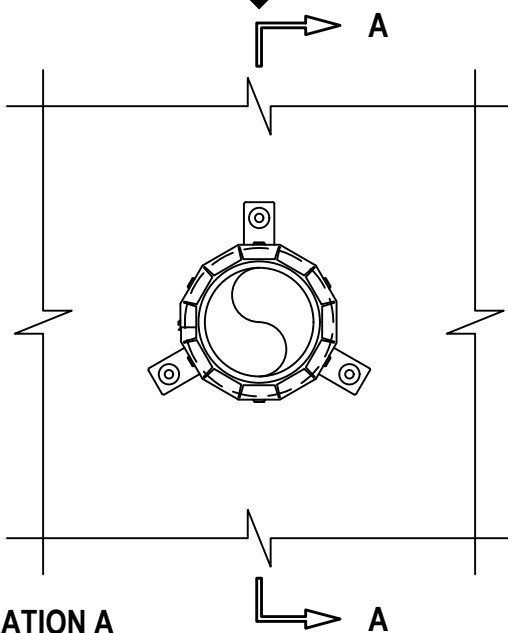
PLASTIC PIPE THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR.

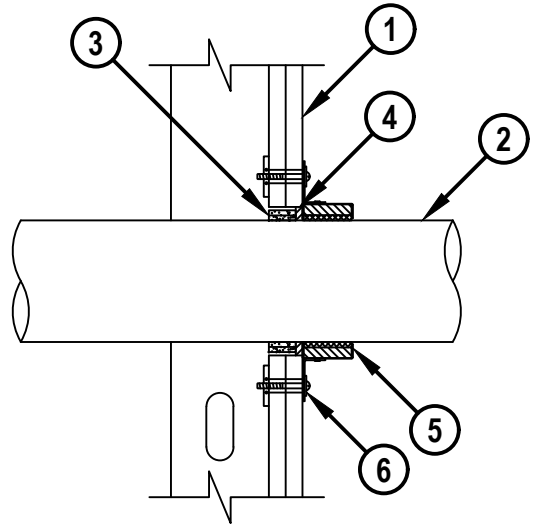
T-RATING = 0-HR.

WL 2694b.080924

FRONT VIEW

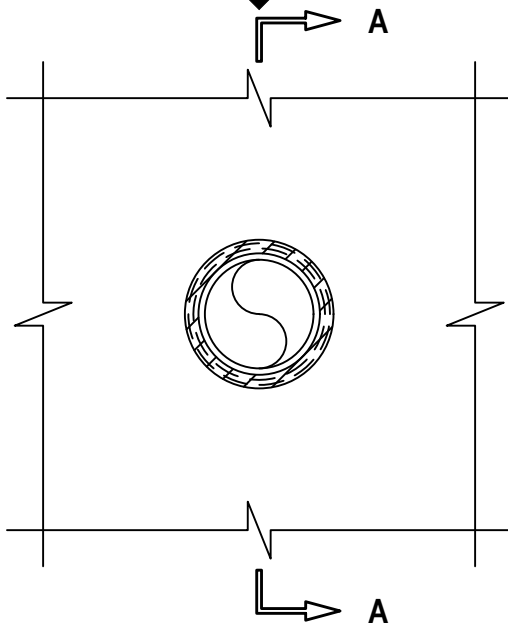


SECTION A-A

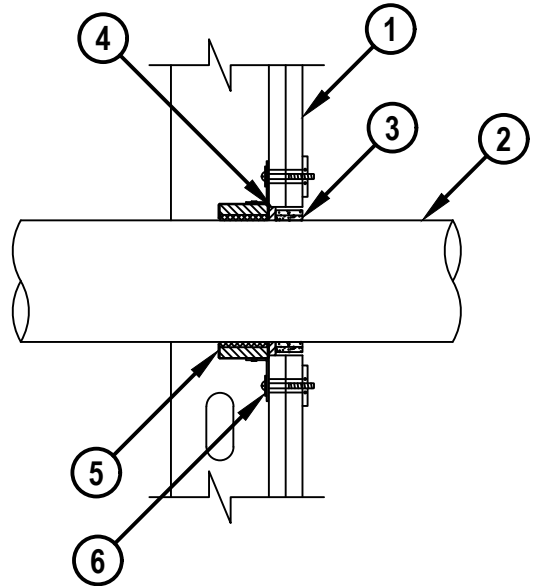


CONFIGURATION A

FRONT VIEW



SECTION A-A



CONFIGURATION B



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

Sheet	1 of 2
Scale	9/64" = 1"
Date	Aug. 09, 2024

Drawing No.

**WL
2694b**

Saving Lives through Innovation and Education

PLASTIC PIPE THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR.

T-RATING = 0-HR.

WL 2694b.080924

1. GYPSUM WALL ASSEMBLY (UL DESIGN NO. V497) (1-HR. FIRE-RATING) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES :
 - A. MINIMUM 3-5/8" WIDE STEEL STUD FRAMING (MIN. 25 GA.).
 - B. GYPSUM BOARD AS SPECIFIED IN UL DESIGN NO. V497.
2. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
 - A. MAXIMUM 4" NOMINAL DIAMETER PVC PLASTIC PIPE (SCHEDULE 40) (CLOSED OR VENTED PIPING SYSTEM).
 - B. MAXIMUM 4" NOMINAL DIAMETER CPVC PLASTIC PIPE (SDR 13.5) (CLOSED PIPING SYSTEM ONLY).
 - C. MAXIMUM 4" NOMINAL DIAMETER RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC).
3. HILTI CP 648E WRAP STRIP (NOMINAL 3/16" THICK x 1" WIDE) CONTINUOUSLY WRAPPED AROUND THE OUTER CIRCUMFERENCE OF THE PIPE, COVERING TWO TIMES, WITH ENDS BUTTED AND HELD IN PLACE WITH TAPE. WRAP STRIP TO BE INSERTED INTO ANNULAR SPACE AND RECESSED 1/4" FROM WALL SURFACE TO ACCOMMODATE FIRESTOP SEALANT.
4. MINIMUM 1/4" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT FLUSH WITH OF WALL SURFACE WHERE FIRESTOP COLLAR IS INSTALLED.
5. HILTI CP 643N FIRESTOP COLLAR WITH FASTENING HOOKS.
6. ATTACH EACH FASTENING HOOK TO WALL ASSEMBLY WITH HILTI 3/16" TOGGLER BOLTS AND WASHERS. AS AN ALTERNATIVE, COLLARS MAY BE FASTENED WITH NO. 10 x 1-1/2" LONG DRYWALL OR LAMINATE SCREWS WITH 3/4" STEEL WASHERS.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 5-1/2".
 2. ANNULAR SPACE = MINIMUM 3/8", MAXIMUM 5/8".

**Hilti Firestop Systems**

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Sheet	2 of 2
Scale	-
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