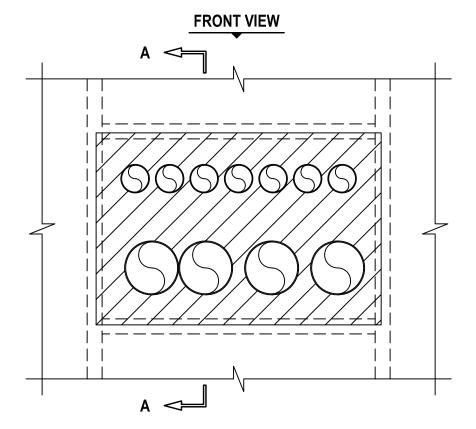
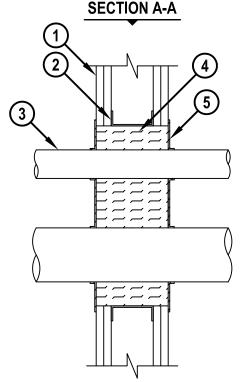
UL/cUL SYSTEM NO. W-L-1402

MULTIPLE METAL PIPES THROUGH GYPSUM WALL ASSEMBLY

F-RATING = 1-HR. OR 2-HR. T-RATING = 1/4-HR.





WL1402b,062910

- 1. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
- 2. STEEL STUDS TO BE MINIMUM 3-1/2" WIDE. OPENING TO BE COMPLETELY "FRAMED OUT".
- 3. ONE OR MORE OF THE FOLLOWING PENETRANTS:
 - A. MAXIMUM 4" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 5 OR HEAVIER).
 - B. MAXIMUM 4" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE.
 - C. MAXIMUM 4" NOMINAL DIAMETER STEEL CONDUIT OR EMT.
- 4. MINERAL WOOL (MIN. 4 PCF DENSITY) CUT INTO STRIPS EQUAL TO THICKNESS OF WALL AND TIGHTLY COMPRESSED TO FILL OPENING.
- 5. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY OR HILTI CP 672 SPEED SPRAY TO COMPLETELY COVER MINERAL WOOL, OVERLAPPING MINIMUM 1/2" ONTO PENETRANT(S) AND GYPSUM WALL.

NOTES: 1. MAXIMUM SIZE OF OPENING = 22-3/4" x 15".

- 2. ANNULAR SPACE BETWEEN PENETRANTS AND PERIPHERY OF OPENING = MINIMUM 0", MAXIMUM 1-3/4".
- 3. ANNULAR SPACE BETWEEN PENETRANTS = MINIMUM 1/4", MAXIMUM 5-1/2".



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Sheet	1 of 1
Scale	1/8" = 1"
Date	June 29, 2010

WL 1402b

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