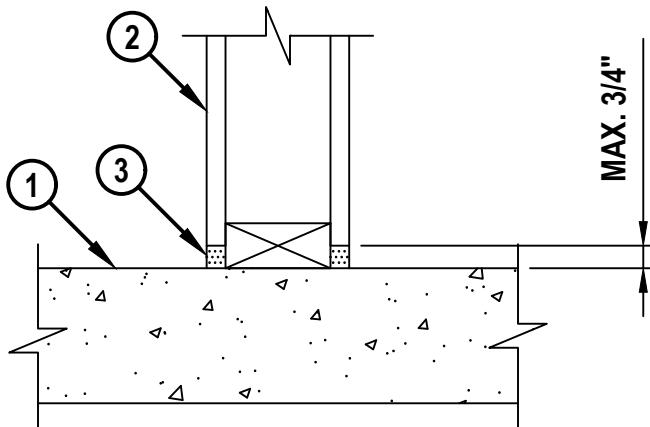


BOTTOM OF WALL JOINT : GYPSUM WALL ASSEMBLY

ASSEMBLY RATING = 1-HR.

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

L-RATING AT 400°F = LESS THAN 1 CFM / LIN FT

CROSS-SECTIONAL VIEW

BWS0073a.052222

1. CONCRETE FLOOR ASSEMBLY (1-HR. FIRE-RATING) :

- A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2" THICK).
- B. ANY UL/cUL CLASSIFIED PRECAST (HOLLOW-CORE) CONCRETE FLOOR (MINIMUM 6" THICK).
- C. STEEL FLOOR UNIT/FLOOR ASSEMBLY - LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 2-1/2" THICK) OVER METAL DECKING.

2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U300, V300, OR W300 SERIES) (1-HR. FIRE-RATING).

- A. WOOD PLATES AND STUDS TO CONSIST OF NOMINAL 2"X4" OR LARGER LUMBER (STUDS SPACED MAXIMUM 16" OC).
- B. (OPTIONAL, NOT SHOWN) ANY GLASS FIBER INSULATION BEARING THE UL CLASSIFICATION MARKING AS TO FIRE RESISTANCE OR SURFACE BURNING CHARACTERISTICS, OF A WIDTH AND THICKNESS TO COMPLETELY FILL STUD CAVITY. INSULATION BATTs FRICTION FIT TO COMPLETELY FILL ALL STUD CAVITY.
- C. ONE LAYER OF NOMINAL 5/8" THICK GYPSUM WALLBOARD. TYPE, AND SHEET ORIENTATION AS SPECIFIED IN THE INDIVIDUAL UL DESIGN.

3. HILTI CFS-BTS BOTTOM TRACK SEAL (5/8") TO BE COMPRESSED AND INSERTED INTO THE JOINT AFTER GYPSUM INSTALLATION SUCH THAT THE BTS IS FLUSH WITH THE EXPOSED FACE OF THE GYPSUM. BUTT JOINTS SHALL BE COMPRESSED 1/2 IN (13MM). THE ADHESIVE'S BACKING MAY REMAIN ON THE PRODUCT.

NOTE : MAXIMUM WIDTH OF JOINT = 3/4".



Hilti Firestop Systems

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Sheet	1 of 2	Drawing No. BWS 0073a
Scale	5/32" = 1"	
Date	May 22, 2024	