

UL/cUL SYSTEM NO. HW-D-0824a <u>TOP OF WALL JOINT : GYPSUM SHAFT WALL ASSEMBLY</u> ASSEMBLY RATING = 1-HR. OR 2-HR. CLASS II MOVEMENT CAPABILITIES - 25% COMPRESSION OR EXTENSION 1. CONCRETE FLOOR ASSEMBLY (2-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). 2. GYPSUM SHAFT WALL ASSEMBLY (UL/cUL CLASSIFIED U400 OR V400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES : A. "J" SHAPED CEILING RUNNER SIZED TO ACCOMMODATE STEEL STUDS; [1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES : A. "J" SHAPED CEILING RUNNER SIZED TO ACCOMMODATE STEEL STUDS; [1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES : A. "J" SHAPED CEILING RUNNER SIZED TO ACCOMMODATE STEEL STUDS; [1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES : A. "J" SHAPED CEILING RUNNER SIZED TO ACCOMMODATE STEEL STUDS; [1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES : A. "J" SHAPED CEILING RUNNER SIZED TO ACCOMMODATE STEEL STUDS; [1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN) TO INCLUDE THE FOLLOWING CONSTRUCTION FEATURES : A. "J" SHAPED CEILING RUNNER SIZED TO ACCOMMODATE STEEL STUDS; [1-HR] TO CONCRETE FLOOR WITH STEEL FASTENERS OR WELDS SPACED MAXIMUM 24" O/C. B. "C-H" SHAPED STUDS (MINIMUM 4" WIDE, MINIMUM 25 GA.) CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING IN CEILING RUNNER WITHOUT ATTACHMENT. C. NOMINAL 1" THICK GYPSUM LINER PANEL CUT 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT. TYPE AND SHEET ORIENTATION AS SPECIFIED IN THE INDIVIDUAL U. DESIGN. D. NOMINAL 5/8" THICK TYPE C GYPSUM WALLBOARD CUT 1/2" LESS IN LENGTH THAN ASSEMBLY HEIGHT WITH SCREW ATTACHMENT 1" TO 1-1/2" BELOW THE BOTTOM OF THE CEILING RUNNER OR SLOTTED CEILING TRACK. NO GYPSUM BOARD ATTACHMENT SCREWS ARE TO PENETRATE THE CEILING T
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5. HILTI CFS-TTS-OS OR CFS-TTS R OS FIRESTOP TOP TRACK SEAL INSTALLED OVER CEILING RUNNER ON
FINISHED SIDE OF WALL PRIOR TO ATTACHMENT TO UNDERSIDE OF CONCRETE FLOOR IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS.
NOTES : 1. MAXIMUM WIDTH OF JOINT = 1/2".
2. AS AN ALTERNATE TO CEILING RUNNER IN ITEM NO. 2A, MINIMUM 4" WIDE BY 1" OR 1-1/4" DEEP CHANNEL (MIN. 24 GA.) MAY BE USED.
WIDE BY T OR 1-1/4 DEEP CHANNEL (MIN. 24 GA.) MAY BE USED.
Sheet 2 of 2 Drawing No.
HILTI, Inc. Scale - HWD
Plano, Texas USA (800) 879-8000
Hilti Firestop Systems Date Mar. 23, 2023 0824d