

UL/cUL SYSTEM NO. W-J-8056 MULTIPLE PENETRATING ITEMS THROUGH CONCRETE OR BLOCK WALL ASSEMBLY F-RATING = 2-HR. WJ8056d.091922 T-RATING = 0-HR. 5. ONE OR MORE OF THE FOLLOWING MAY BE INSTALLED WITHIN THE OPENING (ONLY ONE PIPE SHALL HAVE A NOMINAL DIAMETER GREATER THAN 4") : A. MAXIMUM 8" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER). B. MAXIMUM 8" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE. C. MAXIMUM 8" NOMINAL DIAMETER STEEL ELECTRICAL METALLIC TUBING. D. MAXIMUM 8" NOMINAL DIAMETER RIGID STEEL CONDUIT. E. MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR TUBING. 6. ONE OF THE FOLLOWING NON-METALLIC PIPE MAY BE INSTALLED WITHIN THE OPENING : A. MAXIMUM 2" NOMINAL DIAMETER PVC PLASTIC PIPE (SCHEDULE 40) (CLOSED OR VENTED PIPING SYSTEM). B. MAXIMUM 2" NOMINAL DIAMETER CPVC PLASTIC PIPE (SDR 13.5) (CLOSED PIPING SYSTEM ONLY). C. MAXIMUM 2" NOMINAL DIAMETER RIGID PVC CONDUIT (SCHEDULE 40). 7. HILTI CP 648E FIRESTOP WRAP STRIP (NOMINAL 3/16" x 1-3/4" WIDE) CONTINUOUSLY WRAPPED AROUND THE OUTER CIRCUMFERENCE OF THE PIPE, COVERING ONE TIME, AND HELD IN PLACE WITH TAPE. WRAP STRIP INSTALLED TO PROJECT 1" FROM THE SURFACE OF THE COMPOSITE SHEET. 8. ONE LAYER HILTI CP 619T PUTTY ROLL OR MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED UNDER COMPOSITE SHEET AROUND PERIMETER OF OPENING AND OVER BUTTED SEAM OR SLIT MADE IN COMPOSITE SHEET (NOT SHOWN ON SEAM). 9. HILTI CFS-COS FIRESTOP COMPOSITE SHEET CUT TO OVERLAP WALL A MINIMUM OF 2". COMPOSITE SHEET INSTALLED WITH THE ALUMINUM FOIL FACING AGAINST THE WALL AND SECURED WITH MINIMUM 3/16" DIAMETER BY 1-1/4" LONG STEEL ANCHOR SCREWS WITH 1-1/4" DIAMETER STEEL FENDER WASHERS AT MAXIMUM 2" FROM ENDS AND MAXIMUM 6" C/C. COMPOSITE SHEET CUT TO TIGHTLY FOLLOW THE CONTOUR OF THE PENETRANTS. 10. MINIMUM 3" WIDE STAINLESS STEEL STRIP (MIN. 24 GA.) CENTERED OVER ENTIRE LENGTH OF BUTT SEAM OR SLIT MADE IN THE COMPOSITE SHEET. COVER STRIP SECURED TO COMPOSITE SHEET WITH STEEL SHEET METAL SCREWS OR STEEL RIVETS SPACED MAXIMUM 3" C/C ON EACH SIDE OF SEAM OR SLIT. 11. MINIMUM 1/2" BEAD HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT APPLIED AROUND THE PENETRANTS/WRAP STRIP AT THE EGRESS FROM THE COMPOSITE SHEET ON BOTH SIDES OF WALL ASSEMBLY. Sheet 2 of 3 Drawing No. HILTI, Inc. Scale WJ Plano, Texas USA (800) 879-8000 Date 8056d Hilti Firestop Systems Sep. 19, 2022

Saving Lives through Innovation and Education

UL/cUL SYSTEM NO. W-J-8056 MULTIPLE PENETRATING ITEMS THROUGH CONCRETE OR BLOCK WALL ASSEMBLY

F-RATING = 2-HR. T-RATING = 0-HR.

WJ8056d.091922

ANNULAR SPACE	MINIMUM	MAXIMUM
BETWEEN CABLE TRAY AND PERIPHERY OF OPENING	1"	10" TO SIDE PERIPHERY
BETWEEN CABLE BUNDLE AND PERIPHERY OF OPENING	8"	-
BETWEEN METALLIC PIPES, CONDUITS, OR TUBING	1"	-
BETWEEN METALLIC PIPES, CONDUITS, OR TUBING AND PERIPHERY OF OPENING	1"	-
BETWEEN NON-METALLIC PIPES OR CONDUITS AND PERIPHERY OF OPENING	1"	-
BETWEEN NON-METALLIC PIPES OR CONDUITS AND OTHER PENETRANTS	6"	-

NOTES : 1. MAXIMUM SIZE OF OPENING = 30" x 30".

2. MAXIMUM AREA OF CABLES SHALL BE 40% OF THE CROSS-SECTIONAL AREA OF THE CABLE TRAY BASED ON A MAXIMUM 3" CABLE LOADING DEPTH WITHIN TRAY.

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