

Saving Lives through Innovation and Education

UL/cUL SYSTEM NO. C-AJ-8252 MULTIPLE PENETRATIONS THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL ASSEMBLY F-RATING = 2-HR. CAJ8252d.021720 T-RATING = 0-HR. 3. ONE OR MORE OF THE FOLLOWING INSTALLED ALONG THE SAME CENTER LINE : A. MAXIMUM 6" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER). B. MAXIMUM 6" NOMINAL DIAMETER CAST OR DUCTILE IRON PIPE. C. MAXIMUM 6" NOMINAL DIAMETER STEEL ELECTRICAL METALLIC TUBING. D. MAXIMUM 6" NOMINAL DIAMETER RIGID STEEL CONDUIT. 4. HILTI CP 619T FIRESTOP PUTTY ROLL TO BE DOUBLE STACKED AND INSTALLED TO TIGHTLY FOLLOW THE CONTOUR OF THE PENETRANTS AROUND ITS ENTIRE PERIMETER. 2" WIDE LAYER OF PUTTY REQUIRED ON TOP SIDE OF FLOOR OR BOTH SIDES OF WALL ASSEMBLY AND SHOULD PROJECT 1" BEYOND EACH FACE OF THE COMPOSITE SHEET. 5. 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 OVER SEAM).

- 6. HILTI CFS-COS FIRESTOP COMPOSITE SHEET CUT TO OVERLAP FLOOR OR WALL A MINIMUM OF 2". COMPOSITE SHEET INSTALLED WITH THE ALUMINUM FOIL FACING AGAINST THE FLOOR OR 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.
- 7. MINIMUM 2" 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.
- 8. GENEROUS BEAD OF HILTI CP 618 FIRESTOP PUTTY STICK OR HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT (1" WIDE x 2" HIGH) APPLIED AROUND THE PENETRANTS AT THEIR EGRESS FROM THE COMPOSITE SHEET ON TOP SIDE OF THE FLOOR OR BOTH SIDES OF WALL ASSEMBLY. FOR WALL, ONLY HILTI FS-ONE MAX SHALL BE USED. WHEN ANNULAR SPACE BETWEEN PENETRANTS IS LESS THAN 2" THE SPACE BETWEEN PENETRANTS SHALL BE FILLED TO A MINIMUM HEIGHT OF 2" ABOVE FLOOR OR WALL.

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

- 2. ANNULAR SPACE BETWEEN PENETRANTS AND PERIPHERY OF OPENING AND BETWEEN INDIVIDUAL PENETRANTS = MINIMUM 1".
 - 3. HILTI CFS-COS FIRESTOP COMPOSITE SHEET AND HILTI FS-ONE MAX/CP 619T/CP 618 ARE REQUIRED ON BOTH SIDES OF A WALL.
 - 4. HILTI CP 617 FIRESTOP PUTTY PAD MAY BE USED AS AN OPTION TO HILTI CP 619T FIRESTOP PUTTY ROLL.

