



CONCRETE FLOOR OR WALL ASSEMBLY,-MINIMUM 3-3/4 in. THICKNESS FLOOR/ MINIMUM 6-1/2 in. WALL

TYPE AS OR TYPE SS:
MINIMUM THICKNESS OF SEALANT AS-SPECIFIED IN THE TABLE ABOVE, APPLIED WITHIN THE OPENING, FLUSH WITH THE TOP SURFACE OF THE FLOOR OR BOTH SURFACES OF THE WALL.

FORMING MATERIAL: MINERAL WOOL BATT INSULATION (MINIMUM 4.0 pcf) FIRMLY PACKED INTO THE OPENING AS A PERMANENT FORM; SEE TABLE FOR MINIMUM REQUIRED THICKNESS

METALLIC PIPE: STEEL PIPE: 6"ø (OR SMALLER) SCHEDULE 10-(OR HEAVIER) STEEL PIPE. CONDUIT: 4"Ø (OR SMALLER) ELECTRICAL METALLIC TUBING (EMT) OR 6"Ø RIGID STEEL CONDUIT.

> UL SYSTEM NUMBER: C-AJ-1020 F RATING - 3 HR. (FOR PIPES GREATER THAN 4") F RATING - 2 HR. (FOR PIPES LESS THAN 4")

PIPE AND CONDUIT PENETRATION DETAIL IN CONCRETE OR MASONRY MAX DIAM OF THROUGH PENETRANT in T RATING HR

THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.

THROUGH PENETRANTS: ONE 2"ø-NONMETALLIC PIPE, CONDUIT OR RACEWAY TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM ANNULAR SPACE OF 5/16 in. IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR RACEWAY TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF THE FLOOR OR WALL

FILL, VOID OR CAVITY MATERIAL - SEALANT: -MIN 5/8 in. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. ADDITIONAL FILL MATERIAL TO BE INSTALLED SUCH THAT A MIN 1/4 in. THICK CROWN IS FORMED AROUND THE PENETRATING ITEM AND LAPPING 1 in. BEYOND THE PERIPHERY OF THE OPENING.

SPECIFIED TECHNOLOGIES INC:

SPECSEAL SERIES SSS SEALANT,

UL SYSTEM NUMBER: W-L-2093 F RATING - 1 & 2 HR.

WOOD -

OR

METAL

STUDS

- LAYERS

GYPSUM

5/8"

OF

SPECSEAL LCI SEALANT.

PVC CONDUIT PENETRATION **DETAIL IN GYPSUM WALLBOARD**

NOTE:

-STEEL SLEEVE

(OPTIONAL)

CABLES IN VERTICAL RUNS. CABLES INSTALLED IN VERTICAL RUNS AND PENETRATING MORE THAN ONE FLOOR, OR CABLES INSTALLED IN VERTICAL RUNS IN A SHAFT, SHALL BE TYPE CMR. FLOOR PENETRATIONS REQUIRING TYPE CMR SHALL CONTAIN ONLY CABLES SUITABLE FOR RISER OR PLENUM USE. LISTED RISER COMMUNICATIONS RACEWAYS AND LISTED PLENUM COMMUNICATIONS RACEWAYS SHALL BE PERMITTED TO BE INSTALLED IN /ERTICAL RISER RUNS IN A SHAFT FROM FLOOR TO FLOOR. ONLY TYPE CMR CABLES SHALL BE PERMITTED TO BE INSTALLED IN THESE RISERS. CMP CABLES SHALL BE PERMITTED TO BE INSTALLED IN PLENUMS. ONLY

METAL RACEWAYS OR FIREPROOF SHAFTS. LISTED COMMUNICATIONS CABLES SHALL BE ENCASED IN A METAL RACEWAY OR LOCATED IN A FIREPROOF SHAF HAVING FIRESTOPS AT EACH FLOOR.

PENETRATION DETAILS SCALE: N.T.S

Hudson 1400 OSGOOD STREET BUILDING 20 NORTH, SUITE 3090 N. ANDOVER, MA 01845 TEL: (978) 557-5553 FAX: (978) 336-5586

FILL, VOID OR CAVITY MATERIAL - CAULK OR PUTTY:

ADDITIONAL FILL MATERIAL TO BE INSTALLED SUCH THAT

PENETRATING ITEM. IN 1 HR FIRE RATED ASSEMBLIES,

ADDITIONAL FILL MATERIAL TO BE INSTALLED SUCH THAT

MIN 5/8 in. THICKNESS OF FILL MATERIAL APPLIED

IN 2 HR FIRE RATED ASSEMBLIES MIN 3/4 IN.

THICKNESS FILL MATERIAL APPLIED WITHIN THE

A MIN 1/4 in. CROWN IS FORMED AROUND THE

WITHIN ANNULUS ON BOTH SURFACES OF WALL.

A MIN 3/8 in. CROWN IS FORMED AROUND THE

PERIPHERY OF THE OPENING.

SPECIFIED TECHNOLOGIES INC:

SPECSEAL PUTTY.

SPECSEAL SERIES SSS SEALANT, SPECSEAL LCI SEALANT OR

PENETRATING ITEM AND LAPPING 1 in. BEYOND THE

ANNULUS FLUSH BOTH SURFACES OF WALL

SITE NUMBER: ME5001 SITE NAME: SONESTA

-LAYERS OF 5/8" THICK GYPSUM WALL BOARD

-WOOD OR METAL STUDS

ALL CORES THROUGH ELECTRIC

ROOMS TO BE FIRE-STOPPED.

USE FULL CONDUIT RUNS

THROUGH PENETRATIONS

UL SYSTEM NUMBER: W-L-1029

F RATING - 1 & 2 HR.

PIPE AND CONDUIT PENETRATION

DETAIL IN GYPSUM WALLBOARD

157 HIGH STREET PORTLAND, ME 04101 CUMBERLAND COUNTY



FRAMINGHAM MA 0170

