

SPECSEAL LCI SEALANT OR

SPECSEAL PUTTY.

FLOOR OR WALL	MIN FLOOR OR WALL THKNS. (in.)	MAX DIAM OF STEEL PIPE OR CONDUIT (in.)	MIN ANNULAR SPACE (in.)	MAX ANNULAR SPACE (in.)	MIN FILL MTL THKNS (in.)	MIN FORMING MTL THKNS (in.)	F RATING (HOURS)	T RATING (HOURS)
FLOOR	3-3/4	1-1/2	3/8	2-1/8	1	2-3/4	2	0
FLOOR	3-3/4	6	3/8	3/4	1	2-3/4	2	0
FLOOR	3-3/4	6	3/8	1	2	1-3/4	2	0
FLOOR	4-1/2	1-1/2	3/8	2-1/8	1	3-1/2	3	3/4
FLOOR	4-1/2	6	3/8	3/4	1	3-1/2	3	0
FLOOR	4-1/2	6	3/8	1	2	2-1/2	3	0
WALL	5-1/2	1-1/2	3/8	2-1/8	1	3-1/2	3	3/4
WALL	5-1/2	6	3/8	3/4	1	3-1/2	3	0
WALL	6-1/2	1-1/2	3/8	2-1/8	2	2-1/2	3	1
WALL	6-1/2	6	3/8	1	2	2-1/2	3	0

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

WALL HR	MAX DIAM OF THROUGH PENETRANT in.	T RATING HR
1	2	1
1	1-1/4	1
2	2	1
2	1-1/4	1 1/2

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"0
NONMETALLIC PIPE, CONDUIT OR RACEWAY TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM ANNULAR SPACE OF 5/16 in. IS REQUIRED WITHIN THE FÍRESTOP 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 APPLIÉD 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.

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

WOOD-

METAL

STUDS

- LAYERS

5/8"

GYPSUM

BOARD

OR

SPECIFIED TECHNOLOGIES INC: SPECSEAL SERIES SSS SEALANT, 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 VERTICAL 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.

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

T-MOBILE NORTHEAST LLC

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CHECKED BY

APPROVED BY:

SUBMITTALS DESCRIPTION

RP

DJC

0 10/19/17 ISSUED FOR PERMITTING

4PB0247A SITE NAME: PB247 ROOSEVELT ARMS

SITE ADDRESS: 226 STEVENS AVENUE PORTLAND, ME 04102 CUMBERLAND COUNTY

SHEET TITLE PENETRATION **DETAILS**

(L600)

SHEET NUMBER

PENETRATION DETAILS

22x34 SCALE: N.T.S