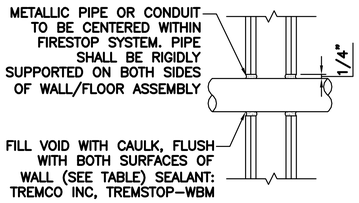
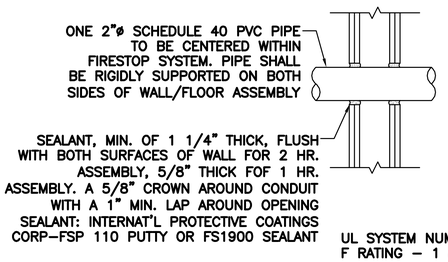
PIPE OR CONDUIT	ANNULAR SPACE IN.	MIN. FILL MATERIAL THICKNESS	F RATING HR
PIPE	3/4"	1-1/4"	2
CONDUIT	3/4"	3/4"	1



UL SYSTEM NUMBER: WL2038
F RATING – 1 & 2 HR.

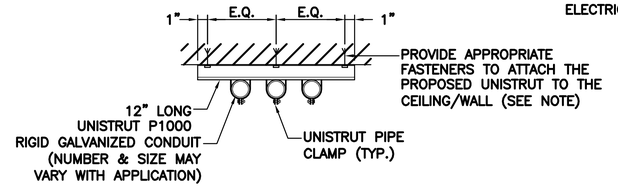
PIPE & CONDUIT PENETRATION DETAIL IN GYPSUM WALLBOARD

MAX. DIA. OF THROUGH PENETRANT	NOMINAL ANNULAR SPACE IN.	FILL MATERIAL TYPE
1"	1/2"	FSP 1100 PUTTY
2"	1"	FS 1900 SEALANT



UL SYSTEM NUMBER: WL2038
F RATING – 1 & 2 HR.

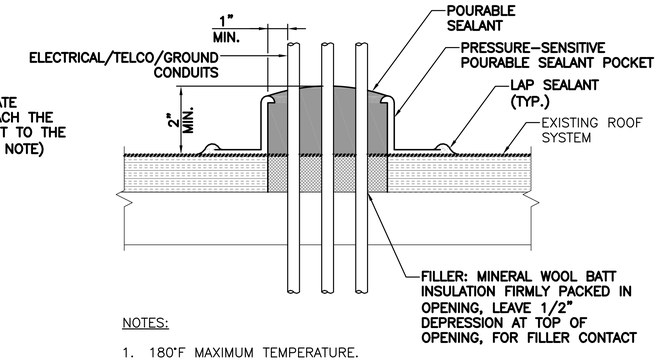
PVC CONDUIT PENETRATION DETAIL IN GYPSUM WALLBOARD



NOTE:

1. MASONRY – 3/8" HY20 HILTI ANCHORS
2. WOOD – 3/8" LAG BOLTS
3. DRYWALL – PROVIDE WOOD BLOCKING & USE WOOD LAG BOLTS

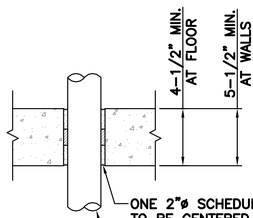
2 CONDUIT SUPPORT DETAIL
SCALE: N.T.S.



NOTES:

1. 180°F MAXIMUM TEMPERATURE.
2. POURABLE SEALER MUST CONTACT UNCURED ELASTO-FORM FLASHING & DECK MEMBRANE.
3. POURABLE SEALER MUST COMPLETELY FILL POURABLE SEALER POCKET TO PREVENT PONDING OF WATER.
4. SECUREMENT IS REQUIRED FOR POURABLE SEALER POCKETS WHICH ARE GREATER THAN 18" IN DIAMETER.
5. POURABLE SEALER TO BE MIN. 2" DEEP.
6. POURABLE SEALER MUST CONTACT THE BARE SURFACE OF THE PENETRATION. ALL DEBRIS (PAINT, RUST, LEAD, OTHER FLASHINGS, ETC.) MUST BE REMOVED FROM THE PENETRATION.

3 PITCH POCKET DETAIL
SCALE: N.T.S.



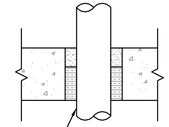
UL SYSTEM NUMBER: CAJ2057
F RATING – 2 HR.

ONE 2"ø SCHEDULE 40 PVC PIPE TO BE CENTERED WITHIN FIRESTOP SYSTEM. A NOM. ANNULAR SPACE OF 5/16" IS REQUIRED WITHIN THE FIRESTOP SYSTEM PIPE SHALL BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL/FLOOR ASSEMBLY

PACKING MATERIAL SHALL BE A MIN. OF 1 1/2" THICK OF MIN. 6 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED IN OPENING. FILL VOID W/ A MIN. OF 2" THICK OF SEALANT APPLIED FLUSH W/THE TOP SURFACE OF BOTH SIDES OF FLOOR/WALL SEALANT: SPECSEAL 500, 501, 502 OR 505 SEALANT BY SPECIFIED TECHNOLOGIES, INC.

PVC CONDUIT PENETRATION DETAIL IN CONCRETE OR MASONRY

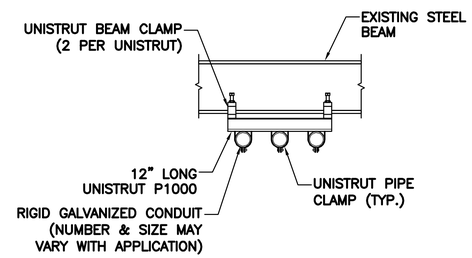
FLOOR OR WALL	MIN. THICK.	MAX PIPE DIA.	MIN. ANNULAR SPACE	MAX. ANNULAR SPACE	MIN. FILL MAT. THICK.	MIN. FORM MAT. THICK.	F RATING
F	3-3/4"	1-1/2"	3/8"	2-1/8"	1"	2-3/4"	2
F	3-3/4"	6"	3/8"	3/4"	1"	2-3/4"	2
F	3-3/4"	6"	3/8"	1"	2"	1-3/4"	2
F	4-3/4"	1-1/2"	3/8"	2-1/8"	1"	3-3/4"	3
F	4-3/4"	6"	3/8"	3/4"	1"	3-3/4"	3
F	4-3/4"	6"	3/8"	1"	2"	2-3/4"	3
W	5-3/4"	1-1/2"	3/8"	2-1/8"	1"	3-3/4"	3
W	5-3/4"	6"	3/8"	3/4"	1"	3-3/4"	3
W	6-3/4"	1-1/2"	3/8"	2-1/8"	2"	2-3/4"	3
W	6-3/4"	6"	3/8"	1"	2"	2-3/4"	3



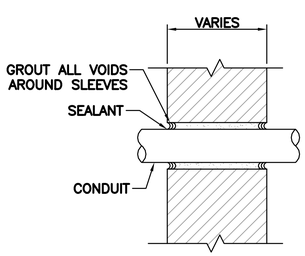
UL SYSTEM NUMBER: CAJ1020
F RATING – 3 HR.

ONE METALLIC PIPE, CONDUIT OR TUBING TO BE INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL. FORMING MATERIAL SHALL BE A MIN. OF 1 1/2" THICK OF MIN. 4.0 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED IN OPENING, USG INTERIORS-TYPE SAF. THICKNESS OF SEALANT APPLIED FLUSH W/THE TOP SURFACE OF BOTH SIDES OF FLOOR/WALL (SEE TABLE), USG INTERIORS-TYPE SS

PIPE & CONDUIT PENETRATION DETAIL IN CONCRETE OR MASONRY



4 CONDUIT SUPPORT DETAIL (AT STEEL PLATFORM)
SCALE: N.T.S.



UL SYSTEM NUMBER: WL2038
F RATING – 1 & 2 HR.

NOTE:

CORE HOLE 1 1/2" LARGER THAN THE DIAMETER OF THE CONDUIT. CORE DRILLS TO BE SEALED WITH ELASTOMERIC SEALANT.

PIPE & CONDUIT PENETRATION DETAIL IN NON-RATED PARTITION

NOTE:

1. CONTRACTOR TO X-RAY PRIOR TO DRILLING OR CORING TO LOCATE EXISTING REBAR. DO NOT CUT REBAR.

1 TYPICAL CONDUIT PENETRATION DETAILS
SCALE: N.T.S.

PREPARED BY:

NEXIUS
TRANSFORM YOUR BUSINESS...THROUGH WIRELESS

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WESTFORD, MA 01886
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CLIENT:

verizon

CELLCO PARTNERSHIP d/b/a
VERIZON WIRELESS
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WESTBOROUGH, MA 01581

STATE OF MAINE
RONALD J. JACKSON
3773
LICENSED
PROFESSIONAL ENGINEER

Reviewed for Code Compliance
Inspectors Signature
Approved Date: 08/16/17

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SUBMITTALS

REV	DATE	DESCRIPTION	BY
0	03/01/17	FOR REVIEW	JM
1	03/13/17	REVISED PER COMMENTS	JM
2	04/07/17	REVISED FOR CONSTRUCTION	JM

SITE INFO:

SITE NAME:
PORTLAND_8_ME

LOCATION CODE:
380405

SITE ADDRESS:
44 BEDFORD STREET
PORTLAND, ME 04101
CUMBERLAND COUNTY

SHEET TITLE:
CONSTRUCTION DETAILS

NEXIUS PROJ. NO: VZ11509

CHECKED BY: KB

CHECKED BY DATE: 03/01/17

SHEET NUMBER: A-4