

INSULATION, TYPE AND
PLACEMENT DETERMINED
BY OTHERS (SEE
NOTE A)

GYPSUM BOARD

DUCT PENETRATION

ELECTRICAL BOX
PENETRATION. BOX
MUST BE SEALED
AIR TIGHT. AIR
SEAL MUST TIE
INTO AIR BARRIER.

PIPE PENETRATION

MASONRY VENEER

CMU OR CONCRETE
WALL

PERM —A— BARRIER[®]
WALL MEMBRANE

BITUTHENE[®] LIQUID
MEMBRANE OR GCP
APPLIED TECHNOLOGIES
ACCEPTABLE SEALANT
APPLIED INTO ANNULAR
SPACE TO A MIN 1/2 IN
DEPTH AND OVERLAP ONTO
PERM —A— BARRIER WALL
MEMBRANE AND
PENETRANT MIN 2 —1/2 IN

BITUTHENE[®] LIQUID
MEMBRANE OR GCP
APPLIED TECHNOLOGIES
ACCEPTABLE SEALANT
APPLIED INTO ANNULAR
SPACE TO A MIN 1/2 IN
DEPTH AND OVERLAP A
MIN 2 —1/2 IN ONTO
PERM —A— BARRIER WALL
MEMBRANE AROUND
PERIMETER OF ELECTRICAL
BOX

BITUTHENE[®] LIQUID
MEMBRANE OR GCP
APPLIED TECHNOLOGIES
ACCEPTABLE SEALANT
APPLIED INTO ANNULAR
SPACE TO A MIN 1/2 IN
DEPTH AND OVERLAP
ONTO PERM —A—
BARRIER WALL MEMBRANE
AND PENETRANT MIN
2 —1/2 IN

- Important Notes:**
- A.** Detail not suitable for all climates. Avoiding excessive moisture accumulation in exterior walls is dependent on many factors including proper placement of insulation and air and vapor barriers in the wall. For assistance with exterior wall design, consult with a building science professional or a GCP Applied Technologies representative.
 - B.** To ensure a continuous air barrier across the building envelope, a fully continuous connection should be made to the roof system and GCP Applied Technologies waterproofing system.
 - C.** Ensure window system is properly aligned with wall insulation and installed per the window manufacturer's recommendations to ensure continuity of the air barrier system.
 - D.** Install all GCP Applied Technologies products in accordance with GCP Applied Technologies Product Data Sheets and GCP Applied Technologies recommendations.



Penetration Detail

**Perm-A-Barrier[®] Wall Membrane
Air Barrier System**

DRAWING: PWM - 117

SCALE: Not to scale

EFFECTIVE DATE: 03/04/2008

Supersedes: NEW