

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 GRACE
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 GRACE
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 GRACE
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 Grace representative.

B. To ensure a continuous air barrier across the building envelope, a fully continuous connection should be made to the roof system and Grace 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 Grace products in accordance with Grace Product Data Sheets and Grace recommendations.

GRACE
Construction Products
www.graceconstruction.com
toll free 866-333-3726

Penetration Detail

Perm-A-Barrier® Wall Membrane Air Barrier System

DRAWING: PWM - 117

SCALE: Not to scale

EFFECTIVE DATE: 03/04/2008

Supersedes: NEW