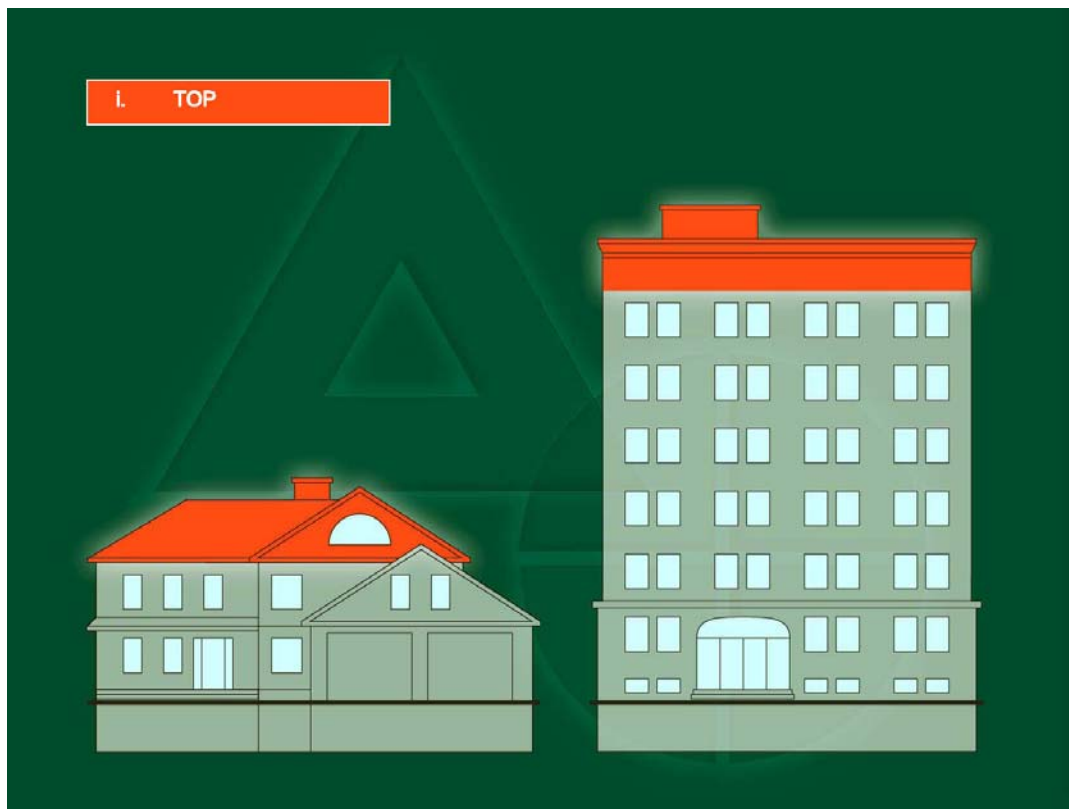


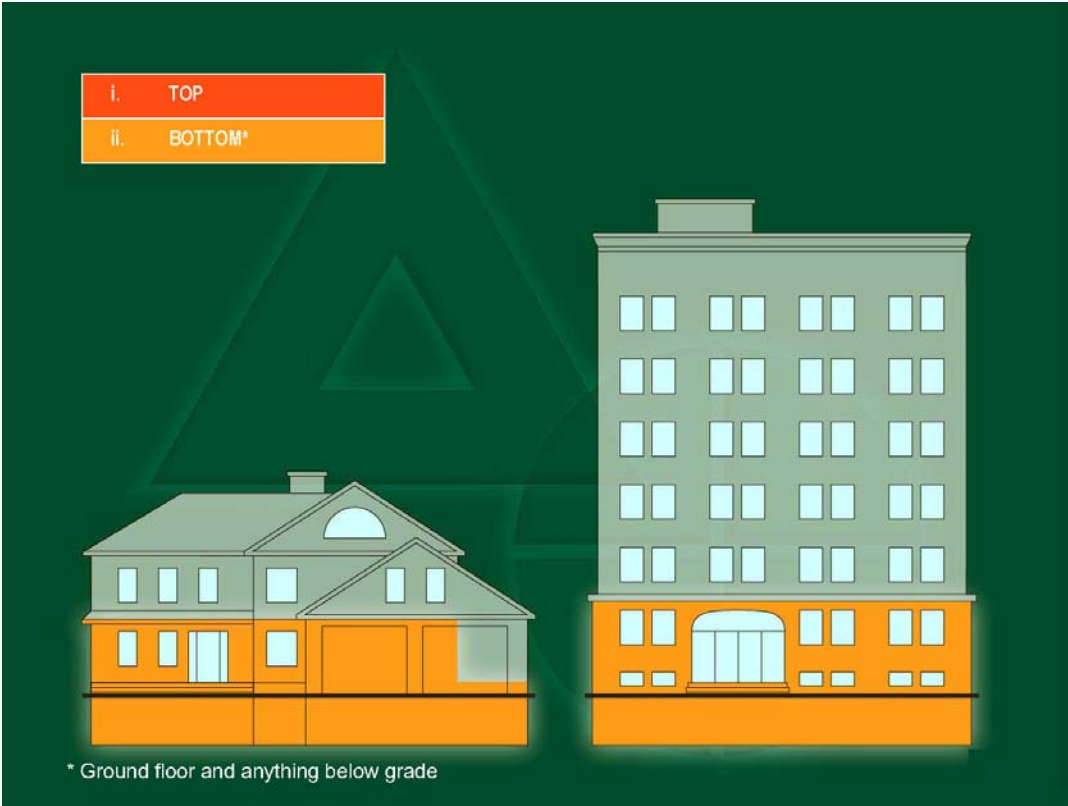
AIR BARRIER CONTINUITY: A QUICK GUIDE TO SEALING AIR LEAKAGE PATHWAYS IN BUILDINGS

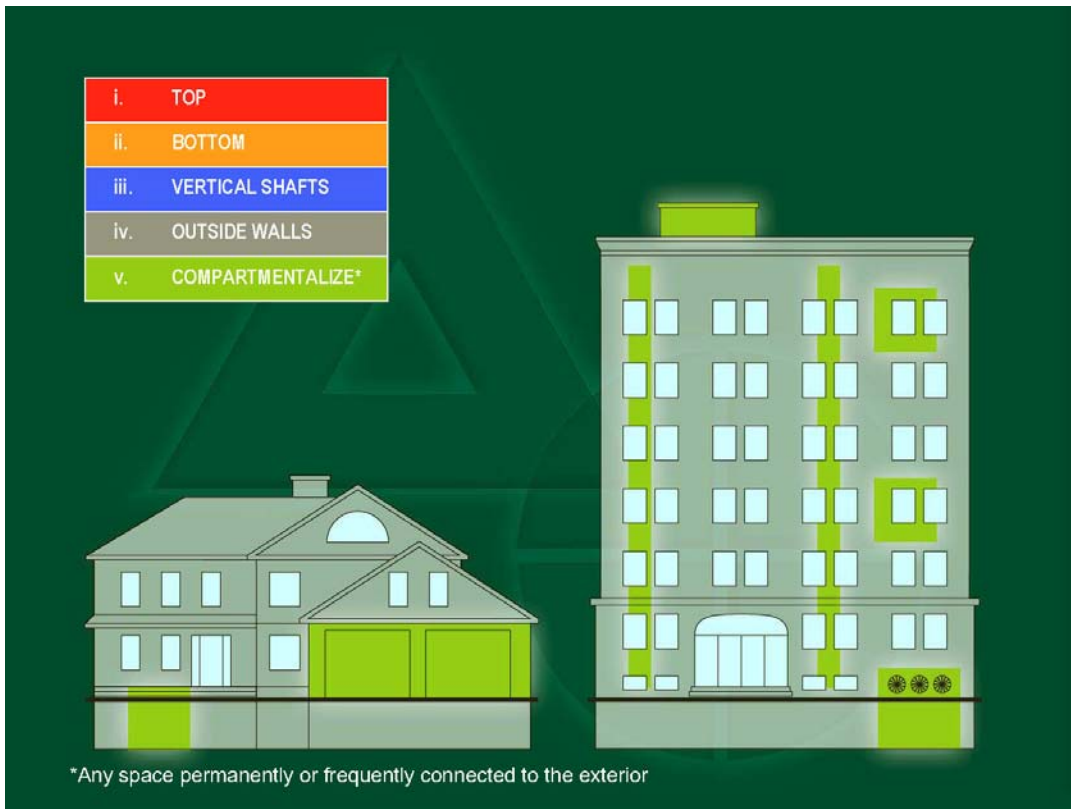
Contents

Air Barrier Continuity	2
Seal Top of Building.....	5
Seal Top of Building -- Roof Details.....	6
Seal Top of Building -- Roof and Roof Intersection Details.....	7
Seal Bottom of Building.....	9
Seal Vertical Shafts	11
Seal Outside Walls and Openings.....	13
Seal Outside Walls and Openings -- Window Details	14
Compartmentalize	16


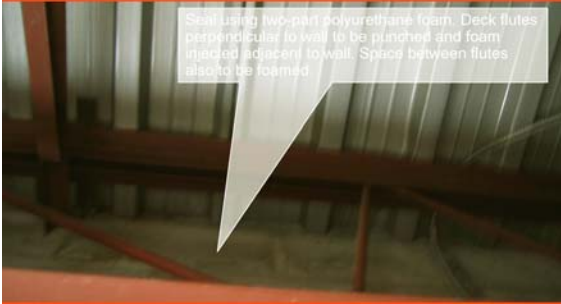
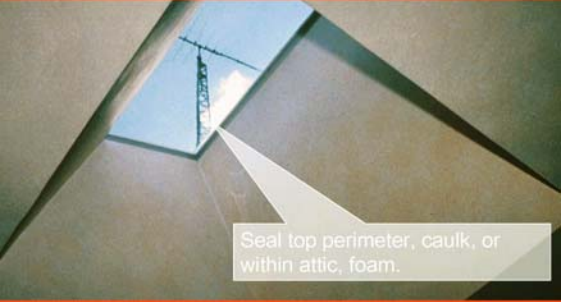


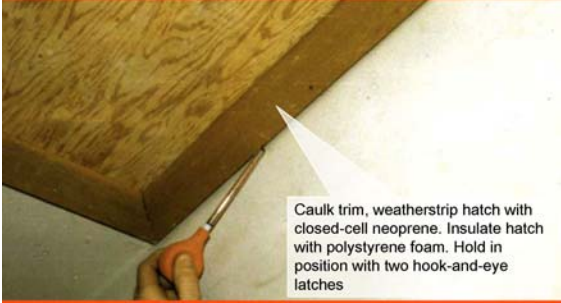
Air Barrier Continuity





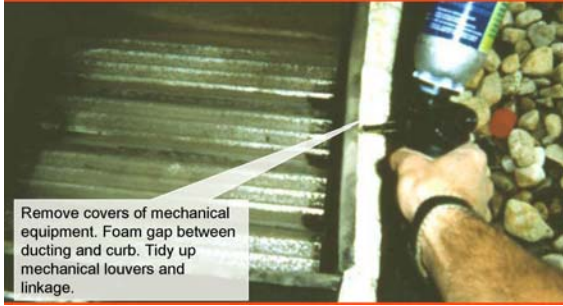


Seal Top of Building

<p>Steel deck to masonry wall:</p> <p>Seal using two-part polyurethane foam. Deck flutes perpendicular to wall to be punched and foam injected adjacent to wall. Space between flutes also to be foamed.</p> 	<p>Steel deck to masonry wall:</p> <p>Seal using two-part polyurethane foam. Deck flutes perpendicular to wall to be punched and foam injected adjacent to wall. Space between flutes also to be foamed.</p> 
<p>Skylights:</p>  <p>Seal top perimeter, caulk, or within attic, foam.</p>	<p>Hanging fixtures:</p>  <p>Caulk, or within attic, cover with plastic and foam.</p>
<p>Can lights:</p>  <p>Box with drywall within attic. Use two-part polyurethane foam to seal box seams and to hold it together.</p>	<p>Hatches:</p>  <p>Caulk trim, weatherstrip hatch with closed-cell neoprene. Insulate hatch with polystyrene foam. Hold in position with two hook-and-eye latches</p>

Seal Top of Building -- Roof Details

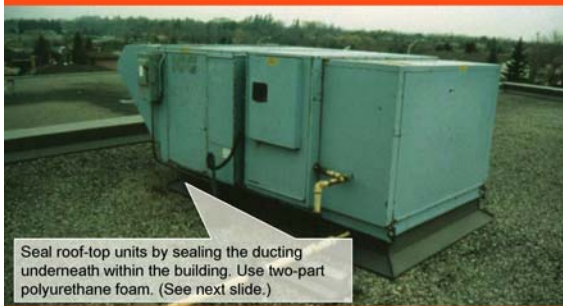
Roof penetrations:



Access hatches:



Roof-mounted HVAC equipment:



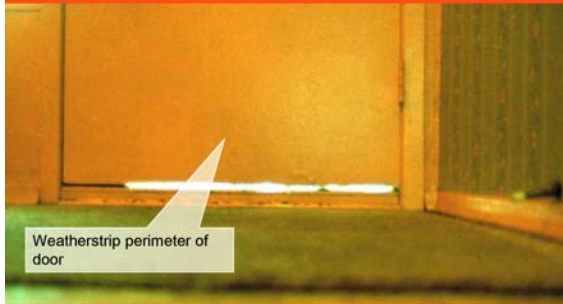
Roof-mounted HVAC equipment:



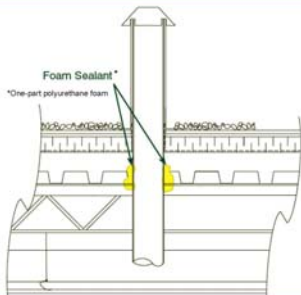
Roof-level change:



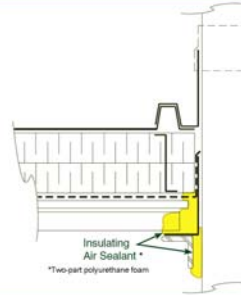
Roof-access door:

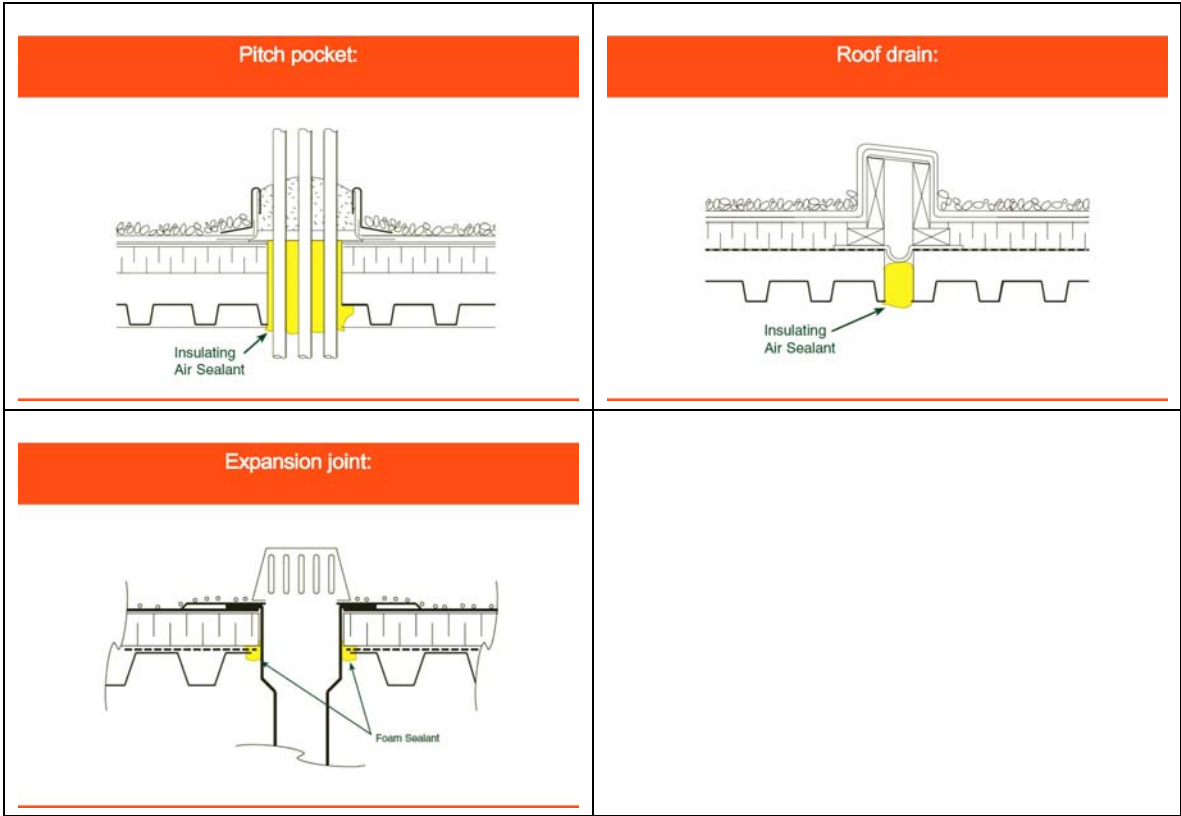


Roof penetration:

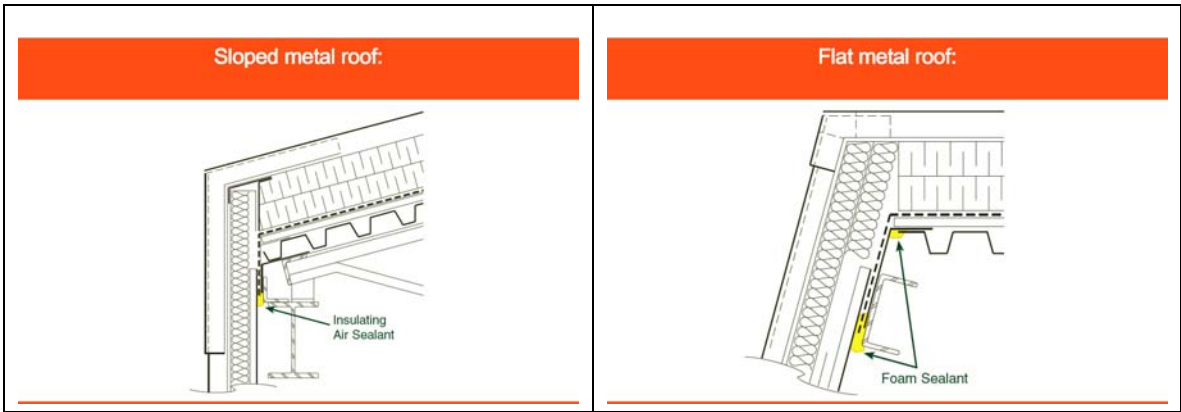


Roof vent penetration:

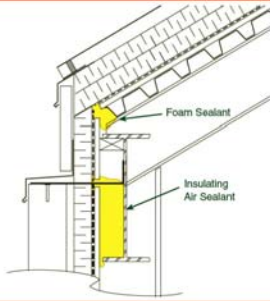




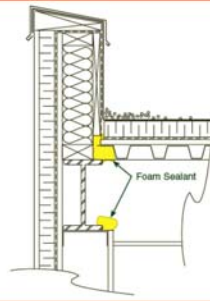
Seal Top of Building -- Roof and Roof Intersection Details



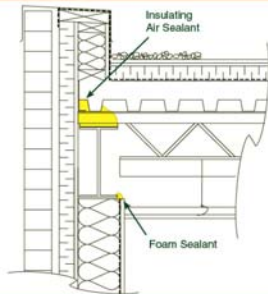
Roof/Wall at gutter:



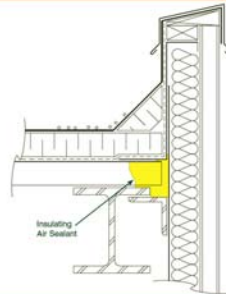
Roof/Wall at parapet:



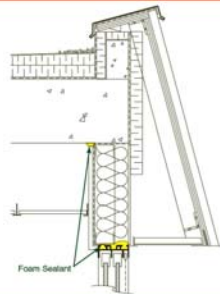
Roof at masonry wall:



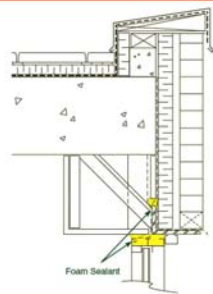
Siding at roof/wall:



Mansard roof/wall:



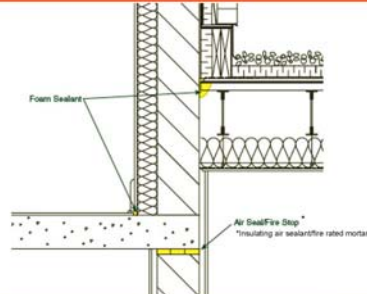
Curtain wall head:



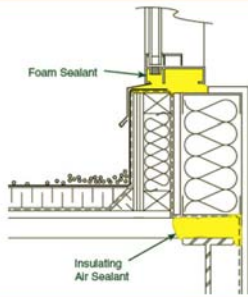
Metal roof/wall junction:



Low roof/wall junction:



Intermediate roof:



Seal Bottom of Building

Doors:



Doors:



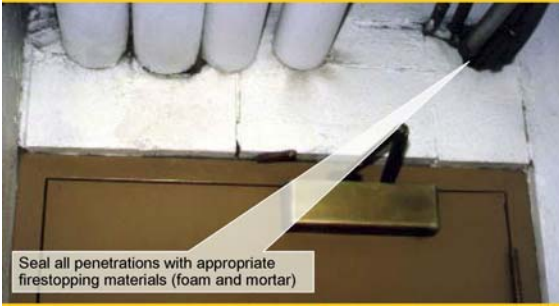
Doors:



Soffits:



Pipe and cable penetrations:



Soffits:



All service penetrations:



Door bottoms:



Soffits:



Below grade:



Below grade:



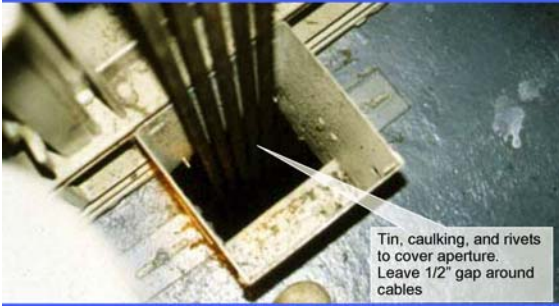
Below grade:



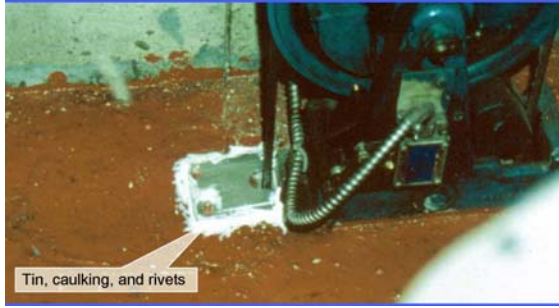
Seal Vertical Shafts

<p>Fire exit doors:</p>  <p>Weatherstrip</p>	<p>Fire hose cabinet:</p>  <p>Caulk pipe penetrations and joints</p>
<p>All electrical, plumbing, mechanical and communications ducts, pipes, and stacks:</p>  <p>Firestop and smoke seal</p>	<p>Plumbing stacks:</p>  <p>Firestop and smoke seal</p>
<p>Shafts:</p>  <p>Firestop and smoke seal</p>	<p>Conduit:</p>  <p>Firestop and smoke seal</p>
<p>Hallway pressurization shafts:</p>  <p>Caulk or foam perimeter or ducting behind grill</p>	<p>Garbage chute-access hatches:</p>  <p>Weatherstrip and caulk trim</p>

Elevator cables:



Elevator door controller cables:



Service hatches:



Cable raceways:



Ventilation shafts:



Miscellaneous shafts:

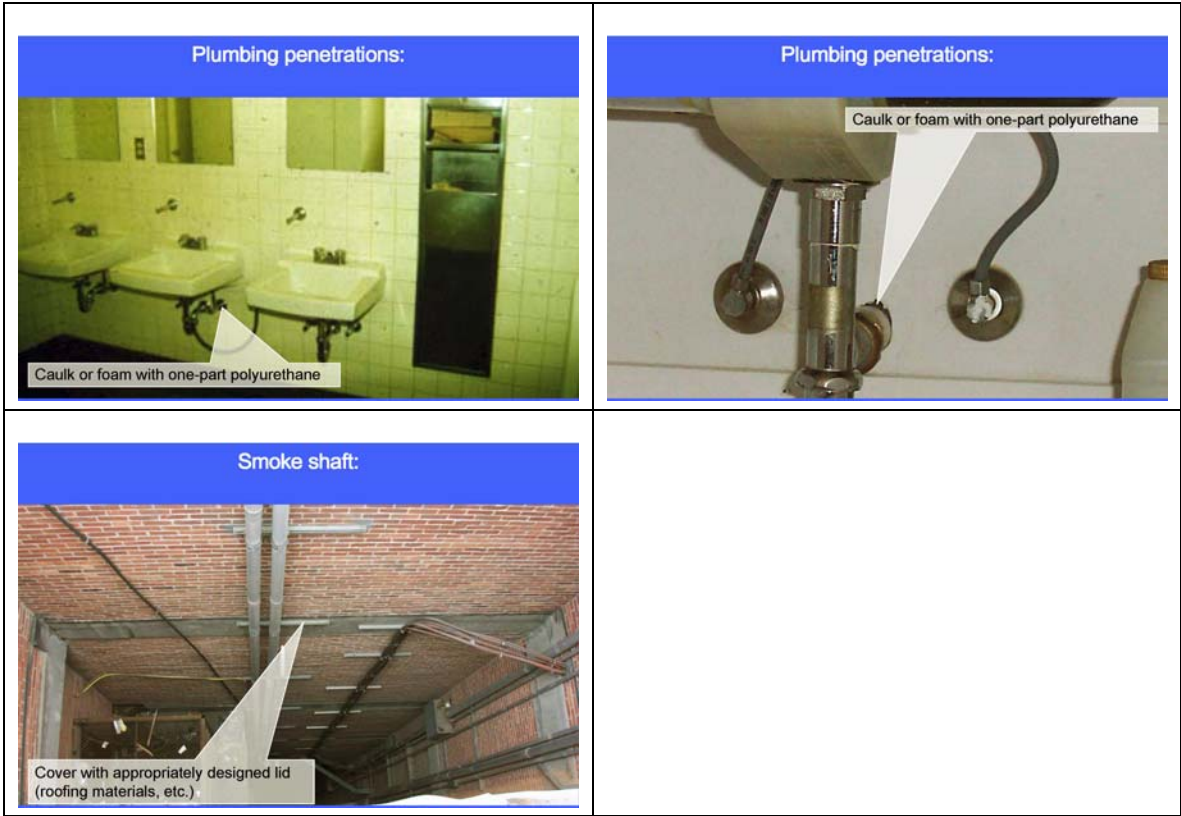


Electrical and other service shafts :

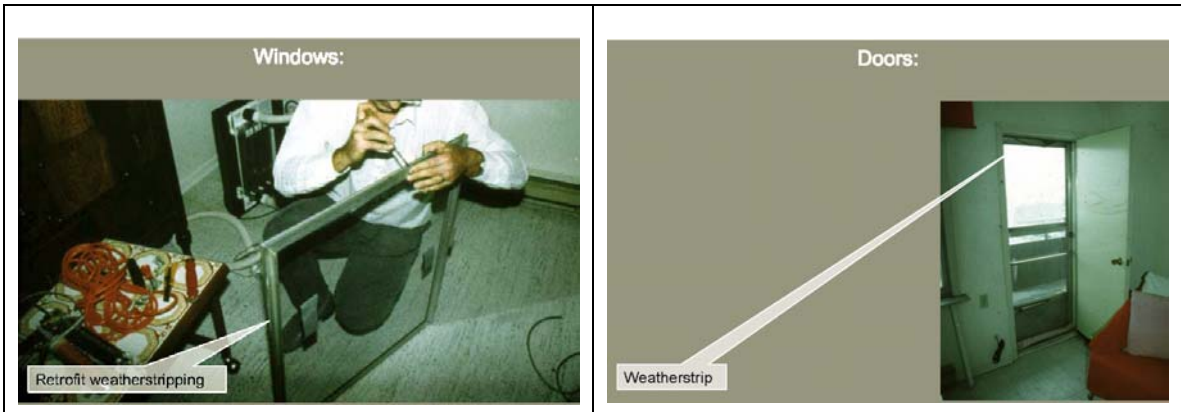


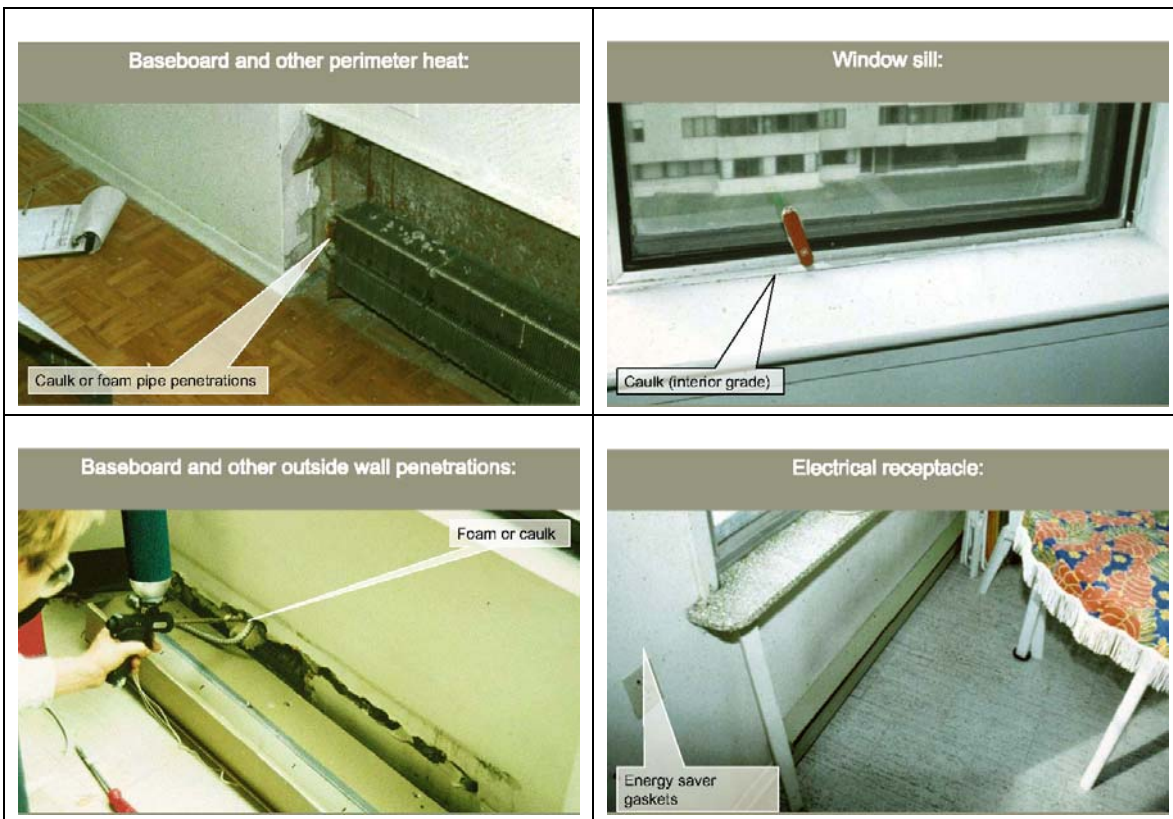
Electrical and other service shafts:



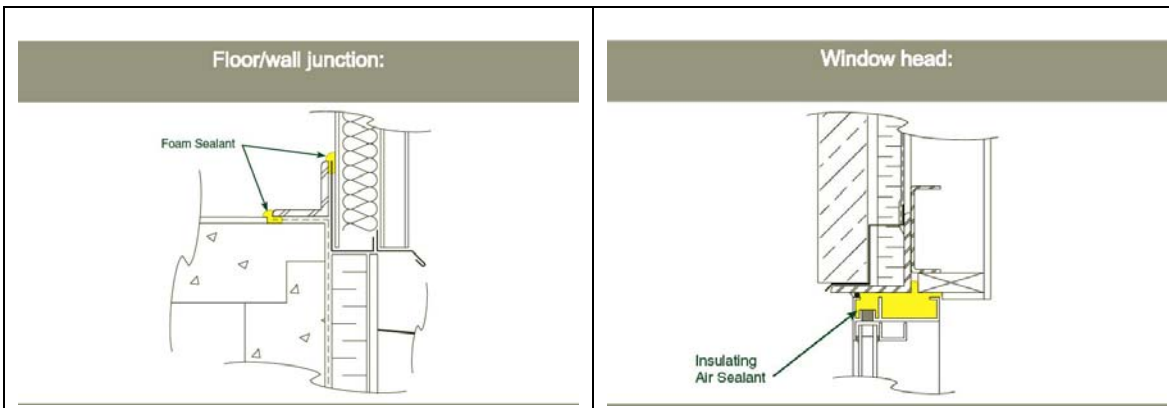


Seal Outside Walls and Openings

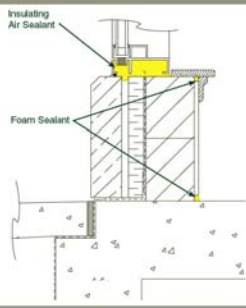




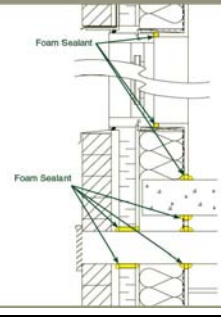
Seal Outside Walls and Openings -- Window Details



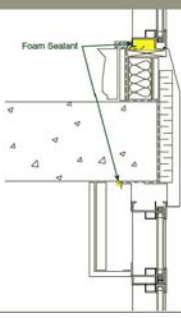
Window sill:



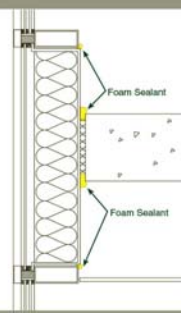
Intermediate floor:



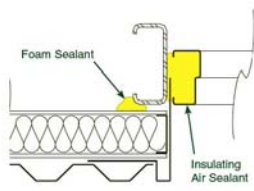
Curtain wall spandrel:



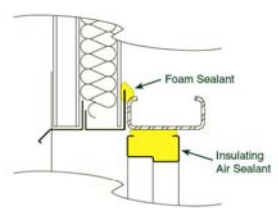
Curtain wall spandrel:



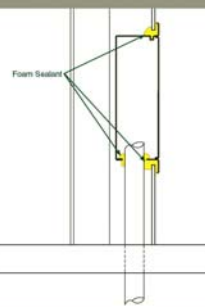
Door jamb:



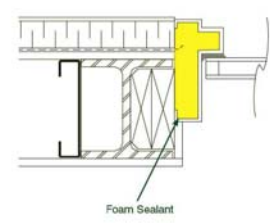
Door head:

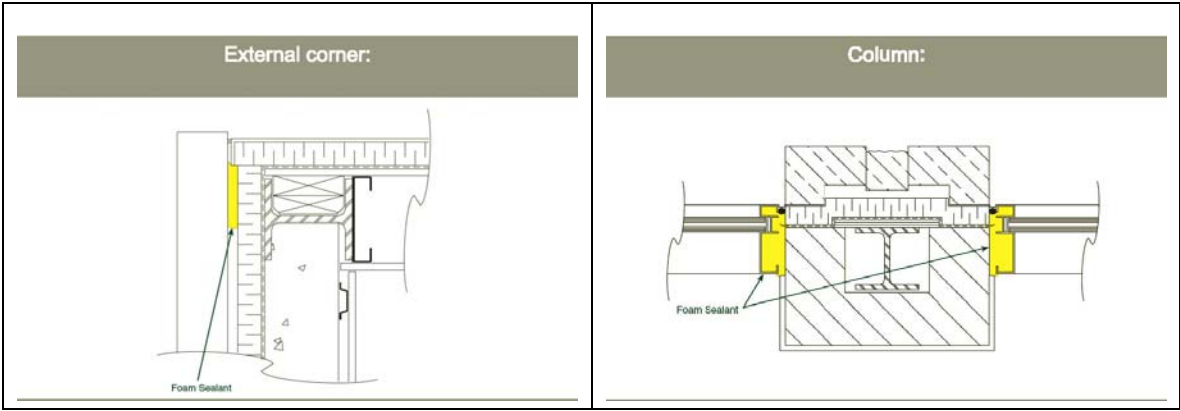


Fire hose cabinet:



Window jamb:





Compartmentalize

