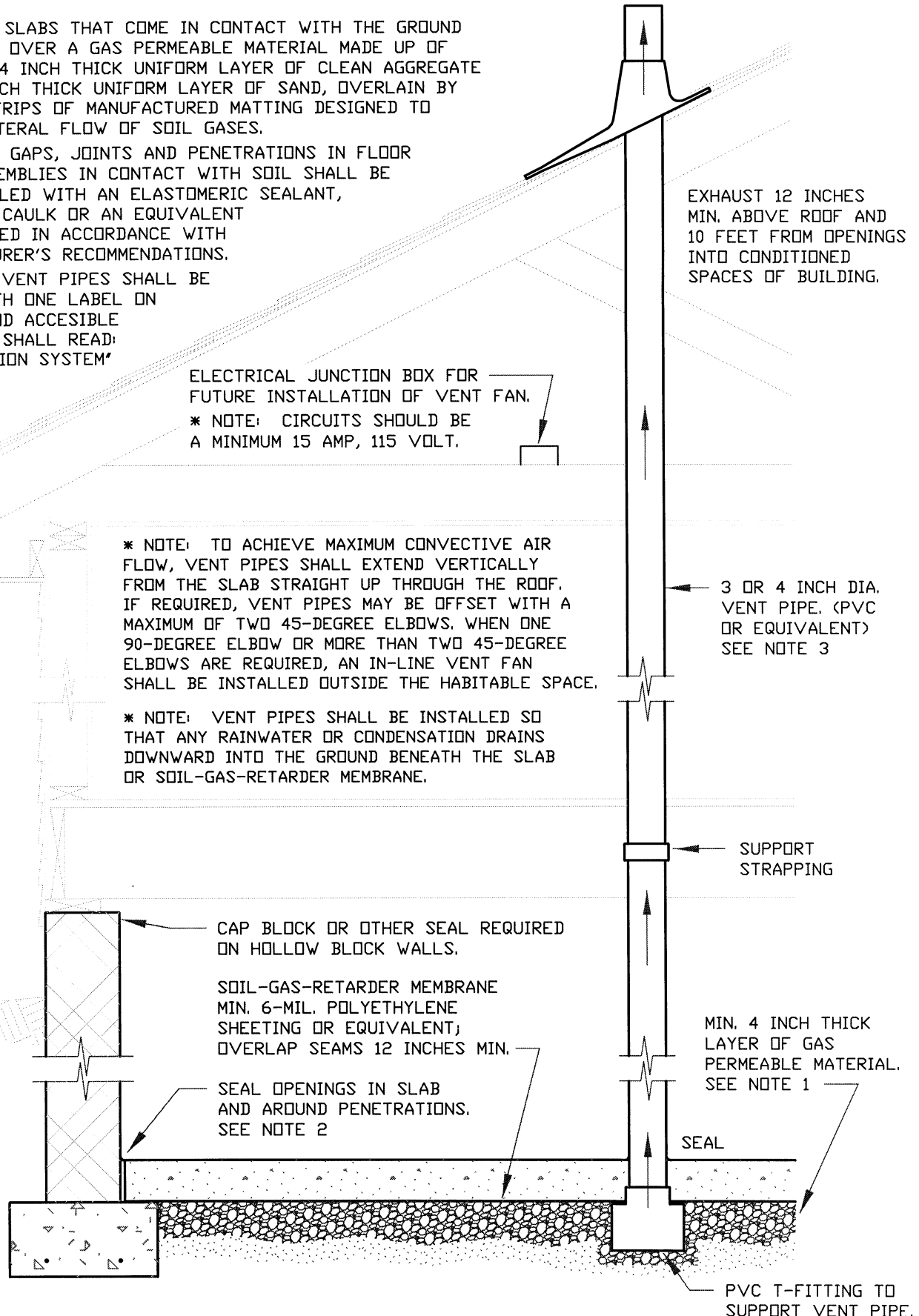


WASHINGTON COUNTY DIVISION OF PLAN REVIEW & PERMITTING

NOTES:

1. ALL CONCRETE SLABS THAT COME IN CONTACT WITH THE GROUND SHALL BE LAID OVER A GAS PERMEABLE MATERIAL MADE UP OF EITHER A MIN. 4 INCH THICK UNIFORM LAYER OF CLEAN AGGREGATE OR A MIN. 4 INCH THICK UNIFORM LAYER OF SAND, OVERLAIN BY A LAYER OR STRIPS OF MANUFACTURED MATTING DESIGNED TO ALLOW THE LATERAL FLOW OF SOIL GASES.
2. ALL OPENINGS, GAPS, JOINTS AND PENETRATIONS IN FLOOR AND WALL ASSEMBLIES IN CONTACT WITH SOIL SHALL BE FILLED OR SEALED WITH AN ELASTOMERIC SEALANT, POLYURETHANE CAULK OR AN EQUIVALENT SEALANT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
3. ALL INTERIOR VENT PIPES SHALL BE IDENTIFIED WITH ONE LABEL ON EACH FLOOR AND ACCESSIBLE ATTICS, LABEL SHALL READ: 'RADON REDUCTION SYSTEM'



EXHAUST 12 INCHES MIN. ABOVE ROOF AND 10 FEET FROM OPENINGS INTO CONDITIONED SPACES OF BUILDING.

ELECTRICAL JUNCTION BOX FOR FUTURE INSTALLATION OF VENT FAN.
* NOTE: CIRCUITS SHOULD BE A MINIMUM 15 AMP, 115 VOLT.

* NOTE: TO ACHIEVE MAXIMUM CONVECTIVE AIR FLOW, VENT PIPES SHALL EXTEND VERTICALLY FROM THE SLAB STRAIGHT UP THROUGH THE ROOF. IF REQUIRED, VENT PIPES MAY BE OFFSET WITH A MAXIMUM OF TWO 45-DEGREE ELBOWS. WHEN ONE 90-DEGREE ELBOW OR MORE THAN TWO 45-DEGREE ELBOWS ARE REQUIRED, AN IN-LINE VENT FAN SHALL BE INSTALLED OUTSIDE THE HABITABLE SPACE.

* NOTE: VENT PIPES SHALL BE INSTALLED SO THAT ANY RAINWATER OR CONDENSATION DRAINS DOWNWARD INTO THE GROUND BENEATH THE SLAB OR SOIL-GAS-RETARDER MEMBRANE.

CAP BLOCK OR OTHER SEAL REQUIRED ON HOLLOW BLOCK WALLS.
SOIL-GAS-RETARDER MEMBRANE MIN. 6-MIL. POLYETHYLENE SHEETING OR EQUIVALENT; OVERLAP SEAMS 12 INCHES MIN.
SEAL OPENINGS IN SLAB AND AROUND PENETRATIONS. SEE NOTE 2

MIN. 4 INCH THICK LAYER OF GAS PERMEABLE MATERIAL. SEE NOTE 1

SUPPORT STRAPPING

PVC T-FITTING TO SUPPORT VENT PIPE.

PASSIVE SUB-SLAB DEPRESSURIZATION RADON CONTROL SYSTEM FOR NEW CONSTRUCTION

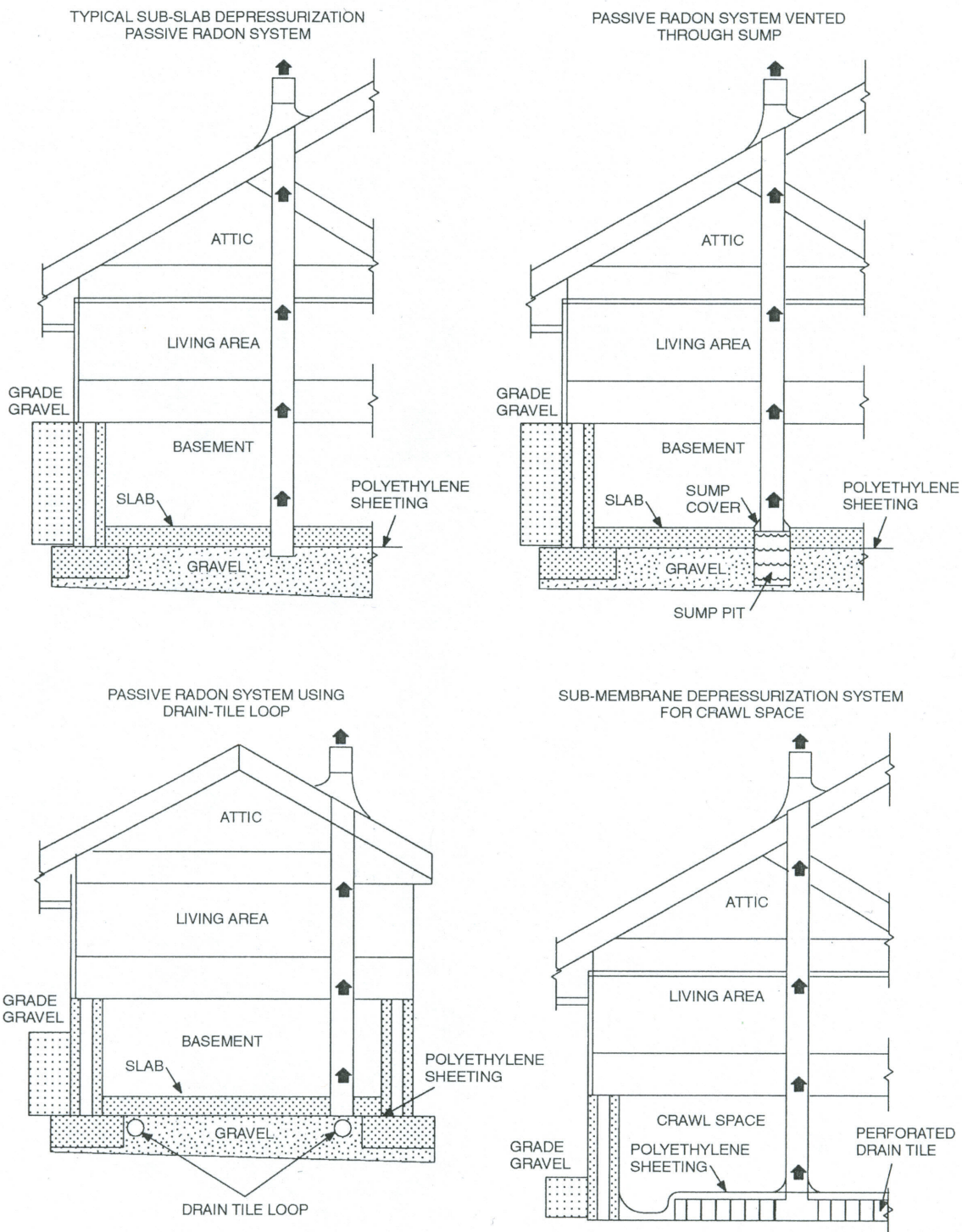


FIGURE AF102
RADON-RESISTANT CONSTRUCTION DETAILS FOR FOUR FOUNDATION TYPES