



# Sub-Slab Radon Mitigation System Schematic

## Indoor Installation

### Radon Mitigation Fans

#### Applicability:

Any house with a concrete slab floor on the lowest level (basement or first floor) where the primary radon source is below the house (virtually all houses with elevated radon level).

#### Principle of Operation:

A negative pressure field is created below the slab preventing the entry of radon gas into the house.

#### System Description:

One or more penetrations are made in the slab and a small pit is created beneath each penetration. PVC duct pipe is connected to the slab penetration(s) and routed unobtrusively (through closets, plumbing chases or other unexposed areas) to the suction side of the fan. PVC pipe is then connected to the pressure side of the fan and routed through the roof using a standard roof flange and waterproof sealants. The radon gas is discharged safely above the roof. The PVC vent pipe protrudes slightly above the roof and has the same appearance as a standard plumbing vent pipe.





