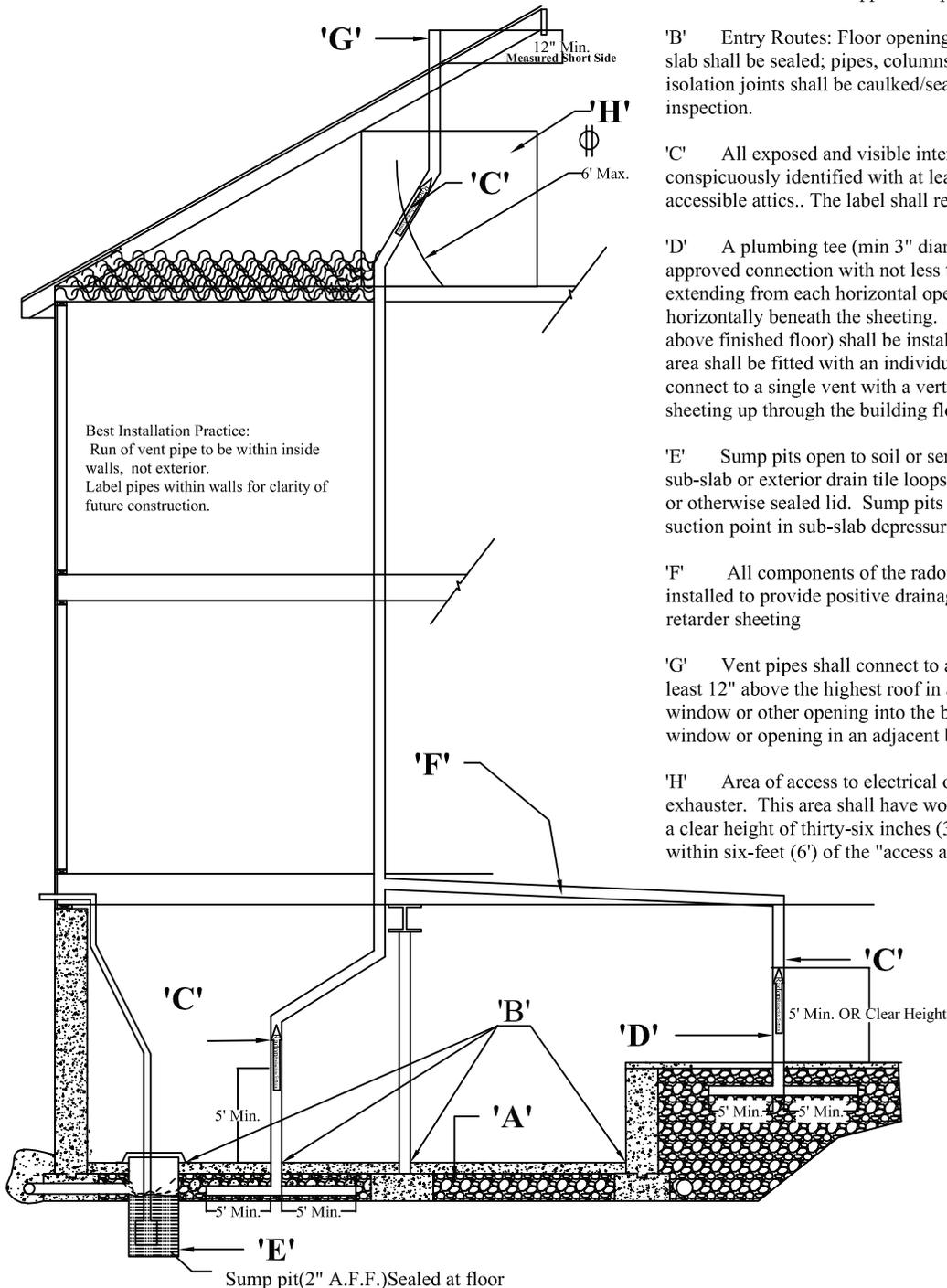




## Passive Sub-slab Depressurization (SSD) System



'A' Subfloor Preparation" A layer of gas permeable material shall be placed under all concrete slabs and other floor systems that directly contact the ground. Clean aggregate- 4" thick stone/sand Min.

6Mil Polyethylene, 12" overlap fit tight to penetrations. Cuts, rips and tears shall be overlapped or taped.

'B' Entry Routes: Floor openings around all penetrations in the slab shall be sealed; pipes, columns, perimeter joint's, control and isolation joints shall be caulked/sealed (Polyurethane Caulk) for final inspection.

'C' All exposed and visible interior radon vent pipes shall be conspicuously identified with at least one label on each floor or accessible attics.. The label shall read "Radon Reduction System"

'D' A plumbing tee (min 3" diameter Schedule 40 pvc) or other approved connection with not less than 5 feet of perforated pipe extending from each horizontal opening of the tee shall be inserted horizontally beneath the sheeting. A 5' Vertical section (measured above finished floor) shall be installed in top opening of tee. Each area shall be fitted with an individual vent pipe. All vent pipes shall connect to a single vent with a vertical vent pipe installed through the sheeting up through the building floors to exterior termination.

'E' Sump pits open to soil or serving as the termination point for sub-slab or exterior drain tile loops shall be covered with a gasketed or otherwise sealed lid. Sump pits shall not be used as primary suction point in sub-slab depressurization system.

'F' All components of the radon vent pipe system shall be installed to provide positive drainage to the ground beneath the gas retarder sheeting

'G' Vent pipes shall connect to a single vent that shall terminate at least 12" above the highest roof in a location at least 2' above any window or other opening into the building and at least 10' from any window or opening in an adjacent building.

'H' Area of access to electrical outlet, installation of power exhauster. This area shall have working space for attic appliance and a clear height of thirty-six inches (36"). Electrical "outlet" shall be within six-feet (6') of the "access area" and vent pipe.