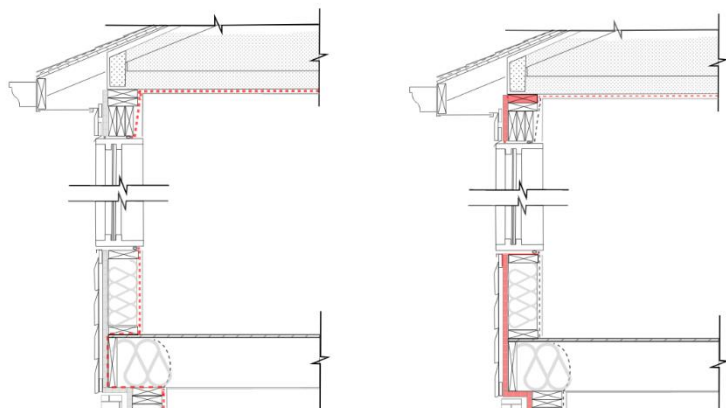


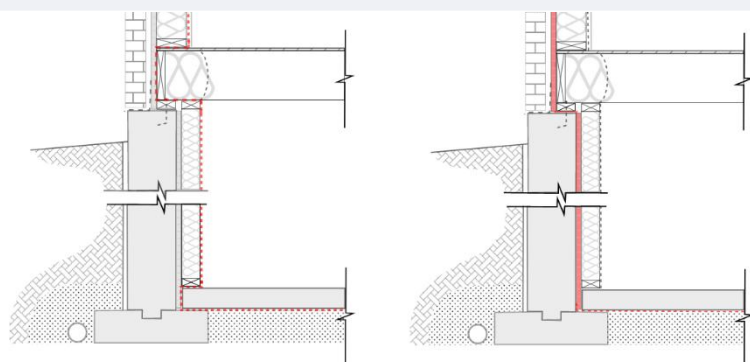
Air Barriers

The OBC requires a continuous Air Barrier System throughout the building envelope, including under the basement/crawlspace slab. The chosen Air Barrier System must be clearly detailed on your plans.

Example options for Air Barrier Systems:

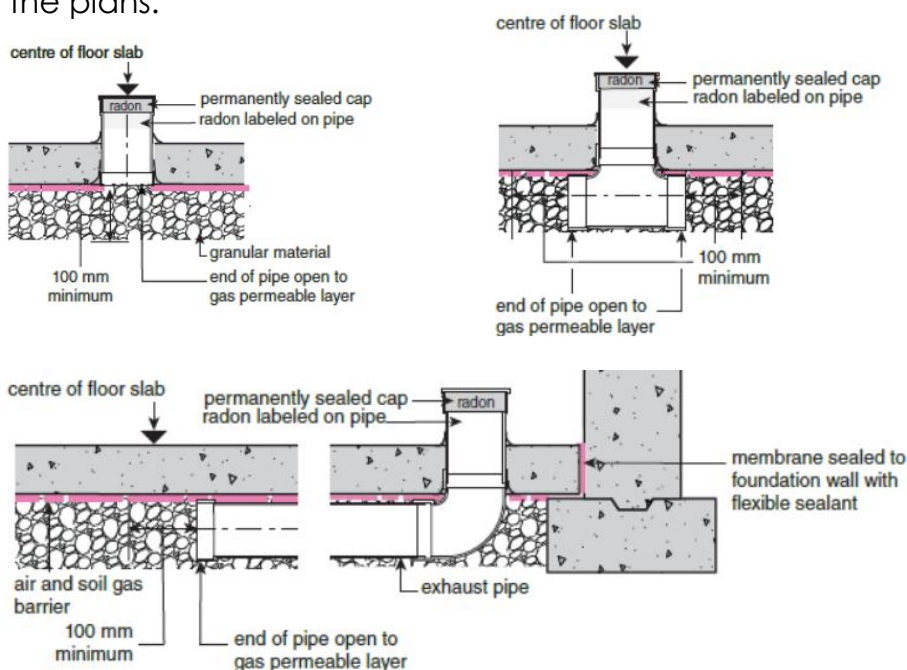


Code Change: Concrete is no longer considered to be an acceptable air barrier



Soil Gas Control

The 2024 OBC requires the installation of a Radon Rough-in System for future subfloor depressurization. The continuous air barrier in the basement/crawlspace also aims to prevent soil gas ingress. The location of the rough-in pipe and openings must be clearly shown on the plans.



INSPECTIONS

You may require multiple **Air Barrier Inspections** at different stages of construction prior to covering, including:

- **Under slab Air Barrier**
- **Exterior and/or Interior Air Barrier** (sealing of joints/penetrations)

Air Barrier Materials

- Sheet and panel type materials with an air leakage characteristic not greater than $0.02 \text{ L}/(\text{s}\cdot\text{m}^2)$ measured at an air pressure differential of 75 Pa
- Polyethylene (CAN/CGSB-51.34-M)
- CCMC approved materials

Examples:

- House Wrap
- Exterior Insulation Panels
- 2" Closed Cell Spray Foam

Radon Rough-In

Required below the slab in all basements and crawlspaces to allow for effective depressurization below the entire floor slab.

Install:

- 4" clear stone required below the slab
- 4" diameter pipe required to be installed through the floor slab so that:
 - It's bottom end opens into the clear stone at or near the centre of the floor. At least 4" of clear stone required in front of the opening.
 - Its top end permits future connection, sealed with airtight cap and clearly labelled.

The Air Barrier and Rough-in are not required in unconditioned spaces (ie. Garages)