2010 National Building Code and Procedure Changes
Effective January 1st, 2015

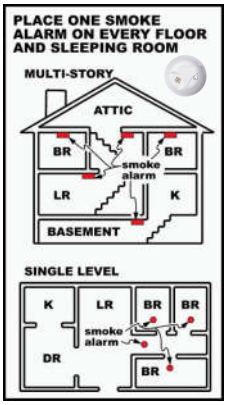
Shop Drawings Required

Shop drawings are to be submitted for all construction using engineered trusses, engineered floor joists, and/or engineered wood columns. The shop drawings are to show the bracing details, and should be submitted with the Building Permit application. If the drawings are not available at the time of application, they can be submitted to us afterwards. **The shop drawings must be made available on site for the framing inspection.**

Slab-On-Grade Foundations

For slab on grade foundations (also known as thickened edge slabs) greater than 55m² (592ft²), a design by a Professional Engineer licensed to practice in the Province of New Brunswick is required, prior to a Permit being issued as per section 9.12.2.2.(6)B) and 9.16.1.2.

Smoke Detectors (section 9.10.19)



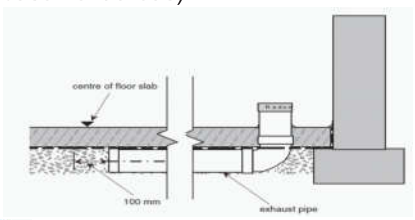
Smoke alarm shall be installed in all dwelling units
- **In all sleeping rooms**
- In each storey including basement
- Between sleeping rooms and remainder of storey

New for houses with secondary suites
- Smoke alarms required in **ancillary spaces and common spaces** not in dwelling units
- **Interconnected** smoke & CO alarms between suites
- Smoke alarms require a **battery back-up** in addition to being hard-wired

Radon Gas (section 9.13.4)

- Applies to any assembly separating conditioned space from the ground (ie: any basement areas)

- All basements must be completely sealed
  - For protection from soil gas ingress
  - Must use continuous air-barrier system as per section 9.25.3 of NBC
    - Poly must be lapped not less than 300mm (12").



- Seal all cold joints, floor drains and sump pits, etc.

- Must have a rough-in for a subfloor depressurization system
  - Clean granular material (drain rock)
  - Pipe not less than 100mm in dia.
  - Clearly labeled and capped

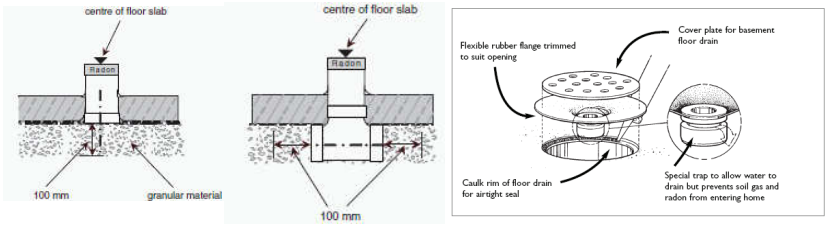


Figure 9: Trap for existing floor drains

Energy Efficiency (section 9.36)

- All buildings must comply with section 9.36.

- This will require all small buildings and houses to meet minimum energy efficiency targets by:
  - Prescriptive or trade-off requirements under subsections 9.36.2 to 9.36.4, or;
  - Performance requirements under subsection 9.36.5 (for dwelling units only)

Prescriptive method will involve individual to list all wall, ceiling, roof, and floor assemblies and materials used, and perform required calculations as directed by this section

Performance method will involve performing energy model calculations through approved software programs that show similar level of energy efficiency to that of the prescriptive requirements. (Houses with or without a secondary suite only).

Zone 6 Building Assembly	R.S.I	R-Value
Ceiling Below Attics	8.67	49.1
Cathedral Ceilings and Flat Roofs	4.67	26.5
Walls (including Box Sills)	2.97/3.08*	16.8/17.5*
Floors over Unheated Spaces	4.67	26.5
Foundation Walls	2.98	16.9
Unheated Floors Below Frost Line	-	-
Unheated Floors Above Frost Line	1.96	11.1
Heated Floors	2.32	13.1
Slab-On-Grade with Integral Footing	1.96	11.1

* With and Without HRV

Zone 6 Windows and Doors	Max. U-Value	Min. Energy Rating
Windows and Doors must meet either of these requirements	1.6	25

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