

Radon Rough-In Requirements for New Buildings in Alberta



What is Radon?

Radon is a naturally-occurring odourless, tasteless and invisible gas created by the radioactive decay of uranium. Alberta's geology creates a greater potential for high radon levels.

Radon is the leading cause of cancer for non-smokers and is responsible for 16 percent of all lung cancer deaths.

New Construction in Alberta Requires Radon Rough-in

In Alberta, radon rough-in details are required in all new commercial and residential buildings with occupancy of four or more hours a day. Rough-in is not the same as an active mitigation system. Rough-in simply ensures the building is designed to improve the efficiency and effectiveness should the occupant decide to put a radon system in.



Commercial New Build Criteria

Alberta Building Code (ABC) 2014 outlines commercial rough-in requirements for buildings used for gatherings of people, care centres, treatment or detention centres, high-hazards industrial occupancies and assembly occupancies (e.g. school, churches) and buildings exceeding 600 m in area or three storeys in height.

Please see the ABC 2014 Division A Section 1.3.3.2 to determine building classifications applicable to Parts 3, 4, 5 and 6.

Residential New Build Criteria

Alberta Building Code (ABC) 2014 has different requirements for residential buildings depending on their size (more or less than 600 m in area) and number of stories (more or less than three storeys).

Please see the ABC 2014 Division A Section 1.3.3.3 to determine building classifications applicable to Parts 9, 10 and 11.



Radon West Services

Radon West is the leading radon expert in Western Canada. Our certified professionals can assist with construction design and execution, conduct inspections and work with you to ensure your Occupational Health and Safety planning meets the Alberta Building Code requirements.

Consulting Services

Consulting and Design

- System design and execution
- System optimization and trouble shooting

New Construction

- Rough-in design and consulting for residential buildings, schools, government and commercial buildings
- Inspections and commissioning

NORM (Naturally Occurring Radioactive Materials) Management

- Occupational Health and Safety plan development
- Dose Management and Radiation Protection plan development



Training & Certification

Radon West offers Canadian-specific courses through our Canadian National Radon Training Centre. Our courses are approved under the Canadian National Radon Proficiency Program (C-NRPP).

Choose to do personalized, onsite training for your team or enrol your staff in flexible distance-courses.

Training

- Online C-NRPP certification and CE courses
- Personalized onsite training
- C-NRPP examination preparation
- Measurement and mitigation presentations

Learn more about our courses on our Canadian National Radon Training Centre website
<http://www.cnrtc.ca/>



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