

PROPOSED CHANGE

NBC05-DivB-09.13.04.03.(02)(06a)-add-HSB-A_ed.doc

MODIFICATION PROPOSÉE

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Comment

Commentaires

Document	NBC 2005 CNB	Document
Provision	A-9.13.4.3.(2) and (6)(a)-add 2010	Exigence
Committee	ES-HSB Joint Task Group on Protection Against Radon Ingress	Comité
Minutes	1 st meeting of JTG, 3 rd meeting of JTG Radon	Procès-verbaux

EXISTING PROVISION

None

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Add new Appendix Note A-9.13.4.3.(2) and (6)(a) as follows:

Other Code Provisions Affected: None

A-9.13.4.3.(2) and (6)(a) Effective Depressurization. To allow effective depressurization of the space between the air barrier and the ground, the extraction opening (the pipe) should not be blocked and should be arranged such that the entire space between the air barrier and the ground is connected to it. This will ensure that the extraction system can maintain negative pressure underneath the entire floor (or in heated crawl spaces underneath the air barrier). The arrangement and location of the extraction system inlet(s) may have design implications where the footing layout separates part of the space underneath the floor.

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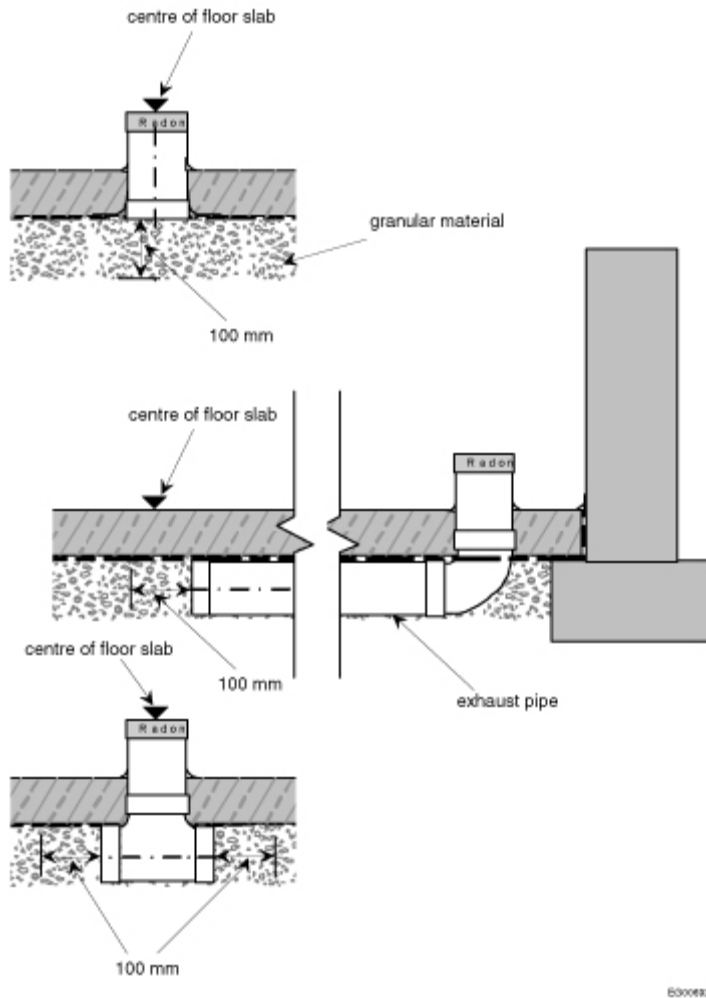


Figure A-9.13.4.3.(2) and (6)(a)

Acceptable configurations for the extraction opening in a depressurization system

RATIONALE

Problem

General

See the Summary of Significant Proposed Changes to NBC Parts 5, 6 and 9.

Technical

Related appendix notes currently don't offer any guidance as to how to achieve effective depressurization of the space between the air barrier and the ground. The current term "subfloor depressurization" also does not recognize that heated crawl spaces may have to be protected from the ingress of radon even though there isn't a subfloor.

Justification - Explanation

General

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See the Summary of Significant Proposed Changes to NBC Parts 5, 6 and 9.

Technical

The appendix note explains what is meant by “effective depressurization” for both the performance-based and prescriptive requirements. It offers guidance as to how to achieve effective depressurization of the space between the air barrier and the ground and recognizes that heated crawl spaces may have to be protected from the ingress of radon even without a subfloor present.

Cost implications

There are no cost implications for appendix notes as the information provided is meant as guidance only.

Enforcement implications

Appendix notes facilitate enforcement as they provide further information on Code requirements.

Who is affected

Designers, specification writers, and inspectors.

OBJECTIVE-BASED ANALYSIS OF NEW OR CHANGED PROVISION

Provision: A-9.13.4.3.(2) and (6)(a)

Analysis: N/A

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