

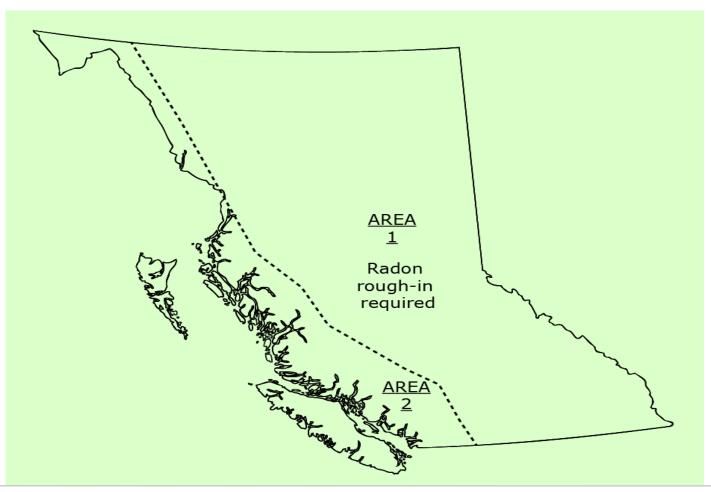
BCBC Energy Efficiency Requirements for Part 9 Buildings

Radon Rough-in and Resources

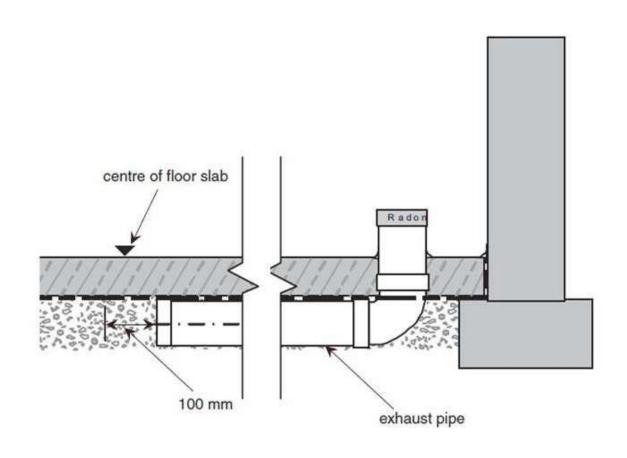
New Radon Rough-in Requirements

- Now require installation of a Radon pipe which extends through, and terminates outside, the building.
- Similar to the termination of a plumbing vent.
- Must account for routing of pipe in the building design.

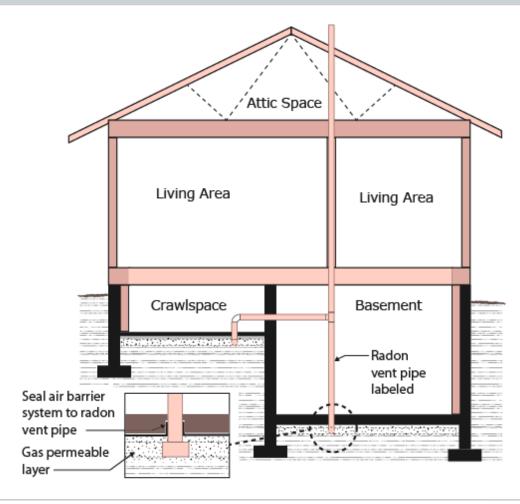
Radon Rough-in Zones



Old Radon Rough-in Provisions



New 4" Radon Pipe Configuration



Radon Safety

- Fan not required at this time but provisions should be made to allow for the future installation of a fan (access and electrical rough-in).
- Recommend testing of home but it is owner's responsibility.

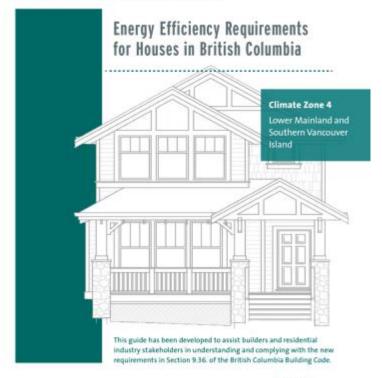


HPO Illustrated Guides

HPO: A guide for each specific climate zone in British Columbia is available for download:

- Climate Zone 4 Lower
 Mainland and Southern
 Vancouver Island
- Climate Zones 5 to 7A North
 Vancouver Island and Interior
- Climate Zones 7B and 8 The North

ILLUSTRATED GUIDE









Canadian Wood Council Calculator





Energy Efficiency Programs

- R-2000 energy target is 50% better than applicable code requirements
- Built-Green tiered levels
- Energy Star energy target is 25% better than applicable code requirements
- LEED for homes under review; approx. equivalent to Energy Star as minimum
- Passive House energy target approximately equivalent to R-2000
- PowerSmart New Homes energy target similar to Energy Star



TECA

Site address	titles	Building permit #
Owner		Heating Pemit #
System designer		O1st Forced air #
Designer signature		Gas fitter it
Gas fitter name	Gas fitter signature	
Cas little lates		
granger to one service	Gas permit #	
Installing contractor	Contact name	-
Contractor signature	Cell phone #	§
1 Gas furnace make	Model	
2 High fire input (BTU/HR).	2 2	
3 Gas input to furnace. [Measured by clocking t	he gas meter)	
4 Measure temperature rise on high fire.		
5 Fan speed setting	Fan CFM on high f	ire
Measured volume of furthest supply air duct.		
7 System balancing sheet completed.		
8 The total duct pressure drop across the furnace.		
9 System check list decal is applied to return air du	ct. Filled in and signed by co	ntractor.
© Furnace operating instructions are left with appli-	ance.	
1 Return air ductwork is sealed airtight within the r	mechanical room or sealed f	or at
2 least 8' from the furnace if there is no mechanica	i room.	
Appropriately sized combustion air is provided to	the mechanical room.	Size
3 if there is an appliance located there that require	es combustion air.	
Mechanical room is not under negative pressure	when the furnace is running	-
4 All ducts, panels and pipes secured		
	Teca Q1st forced	eir number
Documents that are required to be left on site:	CHT- forced air sta	этр
Owners operating instructions	(6)	
ecs or equivelent heat loss/heat gain worksheet		
Appliance selection worksheet	13	
supply air duct worksheet and system sketch		

Heating system
declaration
Date
Site address
Building permit #
Heating permit #
Forced air system designer
Sionature
Q viity First f/a #
Inst. 'ng contractor
Contact name
Signature
Contractor Telephone #
Gas fitter name
Gas fitter signature
Gas fitter license #
Gas permit #
Furnace CFM on high fire
Air filter size
The co signees of this form declare that this installation conforms
to all current Municipal and Provincial codes and conforms to
Sections 9.33.3.1 of the current BC building code.
7" x 10" decal



Code Compliance

Thank you for attending



