



Heating Final Inspections

This inspection guide answers common questions and provides a checklist of deficiencies.

Why is the completion of the heating system inspected?

The completion of the heating system is inspected to confirm that the supply and return air systems, mechanical ventilation system and furnace are complete and operational.

When must an inspection be requested?

The heating final inspection is requested prior to occupancy of the dwelling and usually coincides with the interior final (occupancy) inspection. You may request these inspections simultaneously, if the construction is completed. While 48 hours' notice is required prior to the date of inspection, we strive to provide the best service possible and a next day service can usually be achieved to facilitate your construction schedule.

What is involved during an inspection?

A certified building inspector reviews the heating and mechanical ventilation systems for compliance with the building permit drawings and the Ontario Building Code. The following is a list of the 3 major areas that are inspected.

- Supply and return air systems
- Mechanical ventilation
- Finished basements, basement walkouts

The construction progress, including Building Code deficiencies, are documented on a Field Inspection Report issued by the building inspector immediately after the site inspection.

What can I do before the inspection?

Your involvement in the inspection process is critical. A review of the construction prior to the inspector's arrival can help to ensure a smooth flow in the construction of your project. To help you achieve this, we have assembled a checklist of the most common Building Code deficiencies found while performing inspections. Please refer to the reverse side of this Information Sheet to complete the checklist.

How do I request an inspection?

You may call for an inspection during regular business hours at 519-776-6476. Please provide the following 5 pieces of information:

1. Building Permit number
2. Type of Inspection (see your Building Permit Card)
3. Date inspection requested
4. A.M. or P.M. Inspection time (where scheduling allows)
5. Contact name and phone number

Looking ahead

The next inspection will be the Exterior Final.

Heating Final Inspections

This form identifies the most common Ontario Building Code deficiencies found while performing heating final inspections. Use this form as a guide during construction, and reduce your costs associated with the repair of Building Code deficiencies. Not all Building Code requirements could be included in this form.

Prior to calling for an inspection, verify that the relevant items have been completed satisfactorily. While some items may not apply to your project, please consider each one carefully. Indicate "yes" as completed or "N.A" as not applicable.

The following table asks 3 General Questions:

General Questions	Indicate Yes or NA
1. Revision approved for heating ductwork layout changes, including changes to the furnace capacity and model.	
2. Combustion air provided to enclosed furnace rooms.	
3. When the building inspector is unable to inspect the heating system in the basement area during the rough-in stage, the items contained on the Heating Rough-in Information Sheet are applicable to this inspection.	

The following table asks 11 Supply and Return Air Systems Questions:

Supply and Return Air Systems Questions	Indicate Yes or NA
1. Furnace in operating condition.	
2. Supply ducts and associated fittings are non-combustible, except when they conform to test criteria.	
3. Ducts penetrating floors or walls are fire stopped with mineral wool between the duct and the construction.	
4. Connection of all return air ducts to riser with no blockage, i.e. pipes, joist bridging.	
5. The return air outlet for the basement is complete, including the damper.	
6. Clearance beneath all ducts is a minimum 1.95 meters (6 foot-5 inch).	
7. Masonry chimneys for the furnace has a clean-out.	
8. 150 mm (6 inches) clearance between a 'C' vent for the hot water tank and combustible materials.	
9. Neutralizer installed on condensing type furnaces.	
10. Furnace flue and/or hot water tank flue connection to type 'B' vents made with a tee and a double-to-single wall adapter.	
11. 19 mm (0.75 inches) undercuts above carpets on doors to rooms without a return-air inlet.	

The following table asks 6 Mechanical Ventilation Questions

Mechanical Ventilation	Indicate Yes or NA
1. All installed fuel-fired appliances and space heating equipment are installed according the approved permit drawings. A change in the appliance classification requires a revision to the building permit.	
2. Verify the categorization of the dwelling unit (type I, II, III or IV) corresponds with the type of fuel-fired appliances or space heating equipment. A change in the dwelling categorization requires a revision to the building permit.	
3. The principal exhaust fan switch is centrally located in the dwelling unit (dining room) and identified with a Essex sticker.	
4. Exhaust air intake when installed in the kitchen, is located on the ceiling or within 300 mm (11.75 inches) of the ceiling.	
5. Exhaust air intake (exhaust fan) containing a manual switch is installed in each kitchen, bathroom and water closet room. Switch is not required with heat recovery ventilator (HRV).	
6. For dwelling units mechanically ventilated	

The following table asks 4 Heart Recovery Ventilators Questions:

Heart Recovery Ventilators Questions	Indicate Yes or NA
1. Free flow condensate has trap, or pump installed and drained to a floor drain.	
2. HRV system balanced. Permanent balancing dampers installed.	
3. Securely mounted using all hardware for noise and vibration transmission reduction.	
4. Maximum length of flexible duct is 4000 mm (13 foot-1 inch) with no compressed areas.	

Contact:

For more information, please contact the Building Department:

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