

Bulletin: Mechanical Ventilation System Supply Air Openings



Bulletin # 22-01

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This Bulletin is for informational purposes only.

1. Topic

The following bulletin is intended to provide additional information where the CSA B149.1 Natural gas and propane installation code (the Gas Code) requires a mandatory minimum clearance to building openings not regulated by Gas Safety Regulation.

BC Building code (BCBC) provides the minimum requirements for principle ventilation systems for buildings. Principle ventilation systems in the City of Kelowna are required to provide an outdoor air-supply and exhaust air mechanically with an exhaust and a supply fan in accordance with the BCBC.

BCBC definition:

Gas vent: means that portion of a venting system designed to convey vent gases to the outdoors from the vent connector of a gas-fired appliance or directly from the appliance when a vent connector is not used.

2. Important Information

Regardless of nominal size, where an outdoor air-supply for mechanical ventilation systems is provided in accordance with BCBC, the minimum distance of the supply-air inlet (as shown in Appendix "A") from any **gas vent** termination shall be that required in the Gas Code for a mechanical air-supply inlet into any building. Gas Code clause 8.14.8 c. requires that the minimum distance shall be 1.83 meters (6 feet).

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APPENDIX "A"

The content included in this Appendix is taken from the British Columbia Building Code for information purposes only and may not be the most up to date information. For the most up to date information please refer to the current [BC Building code](#) now accessible for no charge online.

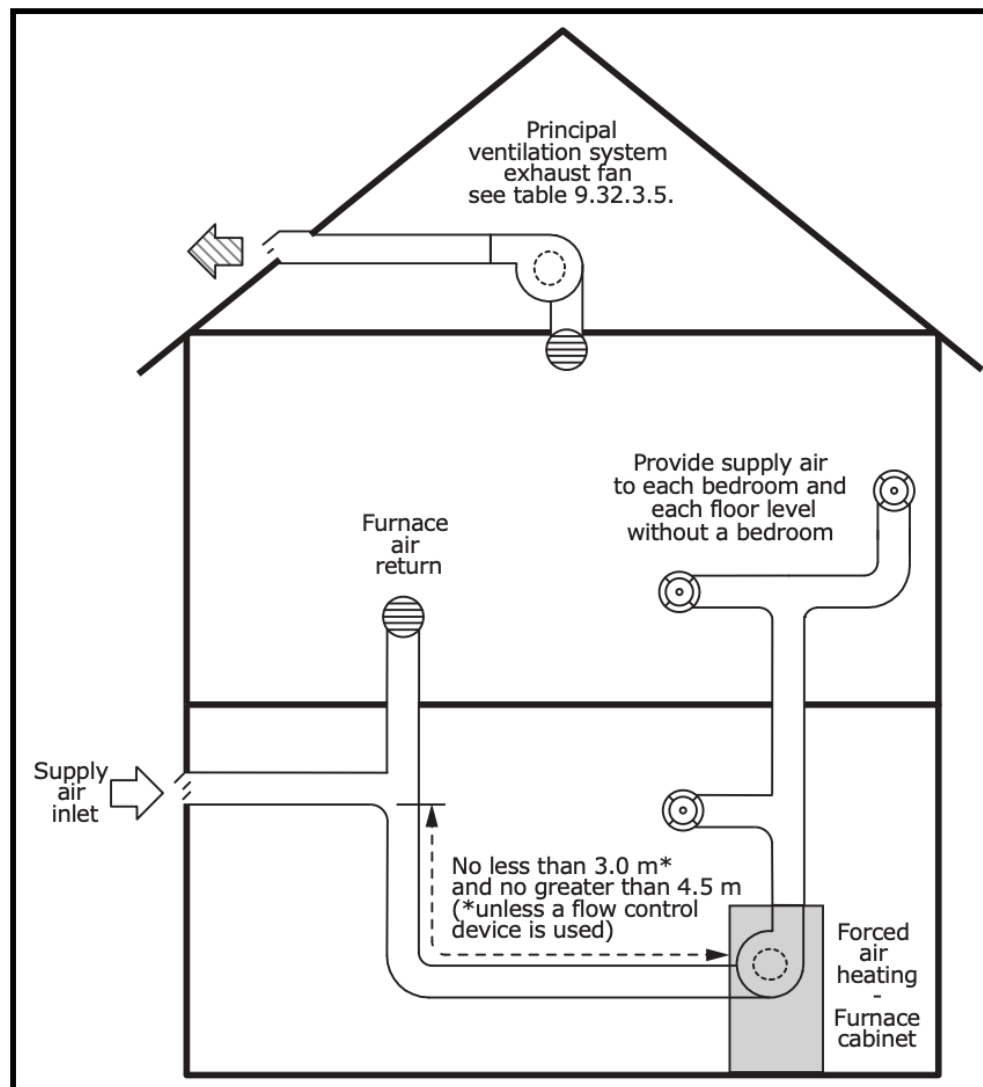
1. Forced-Air Heating System Only

Figure A-9.32.3.4.(2)
Forced-Air Heating System Supply Air Distribution

2. Forced-Air Heating System with HRV

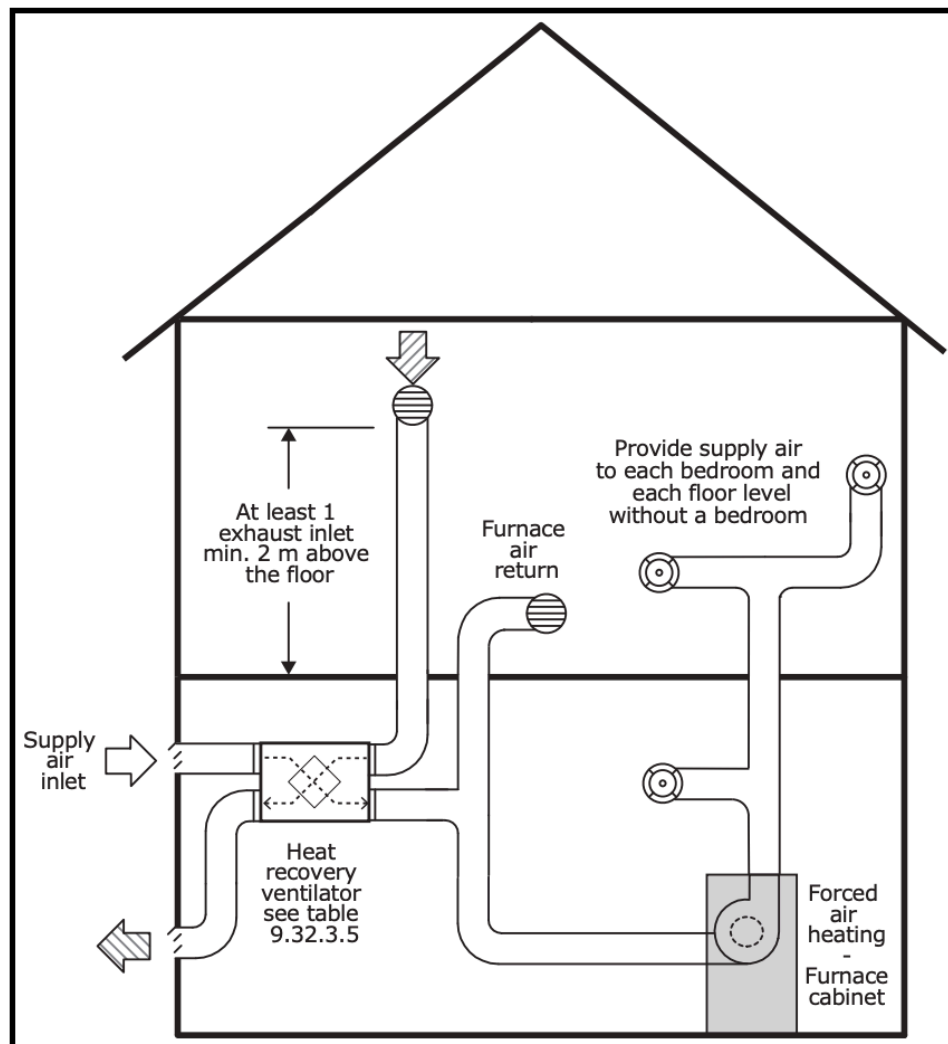


Figure A-9.32.3.4.(3)
Forced-Air Heating System with Heat Recovery Ventilator Supply Air Distribution

3. Heat Recovery Ventilator

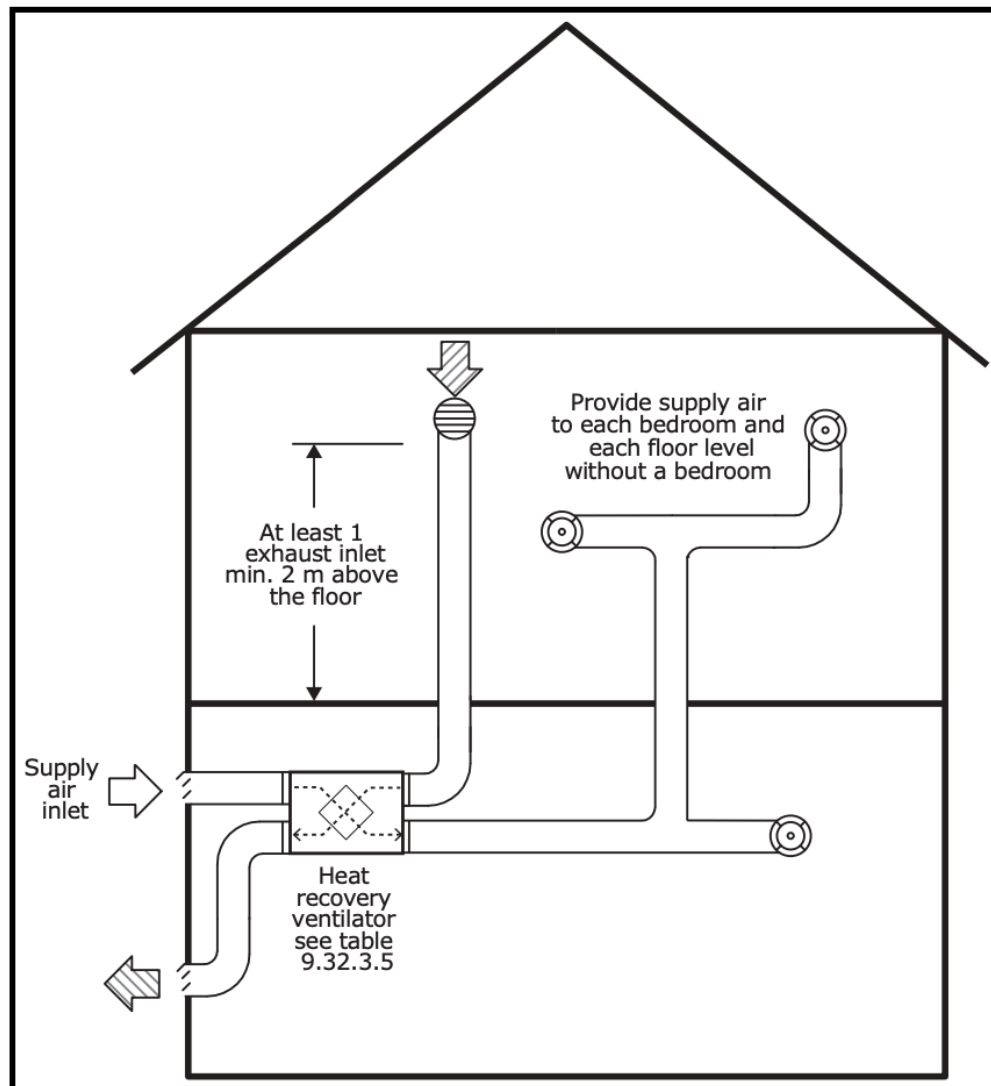


Figure A-9.32.3.4.(4)
Heat Recovery Ventilator Supply Air Distribution

Note: This bulletin is provided with respect to regulated gas work in the City of Kelowna which falls within the City's jurisdiction and is not intended as guidance outside of the City's jurisdiction. For further information related to jurisdiction please see Technical Safety BC Information Bulletin [IB-GA-2018-01](#).