

5. **CRV Fresh Air Intake & Mixing Fan.** (Choose a or b)
 a) Box F CFM is minimum 2 times Box E CFM for +5°F and warmer winter design temperature.
 b) Box F CFM is minimum 3 times Box E CFM for less than +5°F winter design temperature.
 Fan Details: Make: Panasonic Model: FV10NLF Capacity @ 0.4" ESP: 100 CFM (F)
 Duct size for Fresh Air intake to Return Air of CRV
 Rigid Duct. 4"Ø minimum. Must be insulated & vapour barriered for full length, or
 Flex Duct. 5"Ø minimum. Must be insulated and vapour barriered for full length.
6. **CRV Fresh Air Circulation.** (Choose a or b)
 a) Draw air from bedrooms and Supply air to common area.
 b) Draw air from common area and Supply air to bedrooms.
7. **Heated Crawlspace** is present, (choose one). Area of CS: 450 sq ft Tfr Grille min. area: 6 sq. in.
 Transfer Grille to adjacent floor + S/A outlet in crawlspace (from CRV system).
 Transfer Grille to adjacent floor + Exhaust from crawlspace into Ventilation System (CRV or CEV)
 Two (2) Transfer Grilles to adjacent floor
 Transfer Grille to adj. floor + Exhaust Fan (See table above). Controlled by dehumidistat or timer.

Make-Up Air Requirements

1. **NAFFVA** (Naturally Aspirated Fuel Fired Appliance) present in Dwelling Unit? (per sentence 9.32.4.1)
 No. Omit Steps 2 & 3.
 Yes. Proceed to Step 2.
2. **Exhaust Appliance present which exceeds Box (C) Air Volume** (1/2 AC per hour)
 No such appliance. Omit Step 3.
 Yes. Commit to Depressurization Test. (See Caution, TECA Ventilation Manual Page 24).
 Yes. Proceed to Step 3.
3. **Use Active Make-Up Air for Exhaust Appliance.** (Choose (a) or (b) below.)
Make-Up Air Fan required: Installed Exhaust Appliance CFM _____
 Fan Make: _____ Model: _____ Make-Up Air Fan CFM _____
 Duct size: _____ inches MUA is electrically interconnected with large volume exhaust fan: _____
 Fan location: _____ Fan ducted to: _____
- a) **Active Make-Up Air delivered to an Unoccupied Area first** (not directly to room containing the appliance)
 i) Tempering Required per 9.32.4.1(4)(a):
 Show calculation how make-up air will be tempered to at least 34°F (1°C) before entering unoccupied area.

$$\frac{\text{Make-up Fan CFM (0)} \times 1.08 \times (34^\circ\text{F} - (15^\circ\text{F}) \text{ Winter Design Temp this area}}{3412 \text{ BtuH/kW}} = \text{Duct Heater}$$

 ii) Transfer Grille Required. Size 1 sq. in. gross area per 2 CFM.
 Transfer Grille size: _____ sq. inches Location: _____
 iii) Additional tempering required per 9.32.4.1(4)(b) before air transferred to occupied area.
 Show calculation and describe how make-up air will further be tempered to at least 54°F (12°C).

$$\frac{\text{Make-up Fan CFM (0)} \times 1.08 \times (54^\circ\text{F} - 34^\circ\text{F})}{3412 \text{ BtuH/kW}} = \text{Heat from Unoccupied area required to raise temp by } 20^\circ\text{F}$$

 Tempered by: _____
- or b) **Active Make-Up Air delivered to an Occupied Area. Tempering Required.**
 Show calculation how make-up air will be tempered to at least 54°F (12°C).

$$\frac{\text{Make-up Fan CFM (0)} \times 1.08 \times (54^\circ\text{F} - (15^\circ\text{F}) \text{ Winter Design Temp this area}}{3412 \text{ BtuH/kW}} = \text{Duct Heater}$$

NOTES: Checklist is for the new addition, existing house is not included.

Installer Certification:

I hereby certify that the design and installation of the ventilation system complies with the 2012 BC Building Code, Section 9.32, 2014 & 2015 Amendments

Date: February 17, 2022
 Print Name: Bill Simons
 Signature: _____
 Company: B.R. Ventilation Ltd.
 Phone: 250-812-8314

2012 TECA Ventilation Certification Stamp

