

Removed reference to RADON in Make-up Air Requirements

5. CRV Fresh Air Intake & Mixing Fan (Choose a or b)

- a) Box G CFM is minimum 2 times Box E cfm for **+5°F and warmer winter design temperature.**
- b) Box G CFM is minimum 3 times Box E for **less than +5°F winter design temperature.**

Make _____ Model _____ Capacity @ cfm (G)

- c) Duct Size for Fresh Air intake into return air of CRV: **0.4 ESP**
- Min 4"Ø rigid duct, must be insulated & vapour barriered for full length, OR
- Min 5"Ø, flex duct, must be insulated & 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. If Heated Crawlspace present

- Choose ventilation option 1, 2, or 3 per sentence 9.32.3.7 (2).

MAKE-UP AIR Requirements

1. NAFFVA (Naturally Aspirated Fuel Fired Vented 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 0.5 ACH:

- No such appliance.** Omit Step 3
- Yes**, Commit to Depressurization Test (See CAUTION, TECA Vent Manual pg 24)
- Yes**, Proceed to Step 3

3. Use Active Make-up Air for Exhaust Appliance. (Choose a or b)

Make-up Air Fan required: Exhaust Appliance Actual Installed Cfm _____
 Fan Make _____ Model _____ Make-up Air Fan Cfm _____
 Duct diameter _____ inches Fan Location _____

- Fan interconnected with exhaust appliance fan.** 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.

Make-up Fan cfm _____ X 1.08 X (34° F – _____ °F Winter Design Temp your location) = _____ (kw)
 3412 BTUH/kw Duct Heater

- ii) Transfer Grill Required: Size 1 sq in of gross area per 2 cfm: Transfer grill size _____ sq. in. Location _____

- iii) Additional Tempering Required per 9.32.4.1.(4)(b) before transfer to occupied area: Show calculation and **describe how make-up air will be further tempered** to at least 54°F (12°C).

Make-up Fan _____ cfm x 1.08 x (54° F – 34°F) = _____ (kw) Heat from unoccupied area
 3412 BTUH/kw required to raise temp by 20°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).

Make-up Fan cfm _____ x 1.08 x (54° F – _____ °F Winter Design Temp your location) = _____ (kw)
 3412 BTUH/kw Duct Heater

© March 2015 TECA All Rights Reserved

Installer Certification:

I hereby certify that the design and installation of the ventilation system complies with the 2012 B.C. Building Code, 2014 Section 9.32 Amendment.

Date _____
 Print Name _____
 Signature _____
 Company _____
 Phone _____

2012 TECA Ventilation Certification Stamp

