



SINGLE FAMILY DWELLING BUILDING PERMIT APPLICATION PACKAGE

The Check Lists/Compliance forms form part of the Building Permit Application package and are required to be completed and returned to the Village Office

The following tables are to be submitted with all Single Family Dwelling applications:

1. Building Permit Application
2. Agent Approval (if applicable)
3. Building Assembly Tables. The completed form is required to be submitted with your Building Permit Application submission.
4. Ventilation Checklist Forms 1 – 3 and Depressurization Test report for Large Exhaust Appliances. The applicable forms are to be completed and returned prior to requesting a **FRAMING INSPECTION**.
5. Certification of Plumbing Installation. The completed form is to be submitted prior to requesting an **OCCUPANCY INSPECTION**.

Should you have any questions with respect to the above requirements, please contact the Village office at: 250-347-6455, or email: arne.dohlen@radiumhotsprings.ca



PO BOX 340
4836 RADIUM BLVD.
RADIUM HOT SPRINGS, BC V0A 1M0
P.250.347.6455 F. 250.347.9068
www.radiumhotsprings.ca

BUILDING PERMIT APPLICATION

OFFICE USE ONLY

BP No. _____

Year _____

Construction Value: _____

SECTION 1 – APPLICANT INFORMATION

REGISTERED OWNER(S): 	CONTRACTOR/AGENT:
MAILING ADDRESS: _____ _____	MAILING ADDRESS: _____ _____
PHONE: _____ (home) _____ (work) Fax: _____ Email: _____	PHONE: _____ Fax: _____ Email: _____

SECTION 2 – LAND UNDER APPLICATION

Legal Description:

Lot _____ Block _____ Plan _____ District Lot _____

Extended Legal Description: _____

Street Address: _____

SECTION 3 – PURPOSE OF APPLICATION [v check appropriate box(es)]

☐ To construct a _____ in accordance with attached plans.
(dwelling unit, garage, shop, accessory buildings, commercial structure, shed etc.)

☐ Estimated Construction Value of Project: \$ _____

☐ To place a mobile/manufactured home
Year: _____ Size: _____ No. of bedrooms _____ MH Reg# _____

☐ Other _____
(wood burning appliance, renovations, plumbing, demolition, moving permit, swimming pool fencing, etc.)

SECTION 4 – ENSURE THE FOLLOWING DOCUMENTS ARE INCLUDED WITH THE APPLICATION

☐ Two (2) sets of construction plans showing:

- dimensions of building
- scale
- foundation details
- floor plans showing
 - proposed use of each room
 - elevations
 - structural & mechanical details
 - building sections
- list of all building materials

One set of plans will be returned to you with Village of Radium Hot Springs comments upon the issuance of the permit.

☐ Homeowner Protection Office (provide one of the following):

- Owner/Building Declaration and Disclosure Notice (completed with seal/signature)
- HPO Registered form (completed with warranty provider seal/signature)
(For information contact HPO at 1-800-407-7757 or www.hpo.bc.ca)

☐ Plot Plan – provide plot plan sketch below, which includes the following:

- north arrow
- lot lines with dimensions
- location of proposed structure with distances indicated from each structure to each property line
- access (roads, driveways)
- all existing buildings on property including the square footage of each structure (if applicable)
- distances from & elevations above watercourses (creeks, rivers, ponds, lakes)

PLOT PLAN SKETCH

Has the site been used for any industrial or commercial purposes or activities described in Schedule 2 of the Contaminated Sites Regulation of the Environmental Management Act? If this answer is yes, a Site Disclosure Statement must be completed fully and submitted along with this Application. Per the *Environmental Management Act*, the completed form may be forwarded by the Village of Radium Hot Springs to the Ministry of Environment & Climate Change Strategy.

For more information, please see the Contaminated Sites Regulation or contact the Village Office.

(a) to conform and be bound by the requirements of all relevant statutes, regulations, rules, orders in council and bylaws of the Province of British Columbia and the Village of Radium Hot Springs, including but not limited to, the BC Building Code and the Village of Radium Hot Springs Building & Plumbing Bylaw.

(b) neither the issuance of a permit under this Bylaw, the review and acceptance of the design, drawings, plans or specifications, nor inspections made by a Building Department official, shall constitute a representation or warranty that the Building Code or the Bylaw have been complied with or the building, structure or plumbing system meets any standard of materials or workmanship, and no person shall rely on any of those acts as establishing compliance with the Building Code or this Bylaw or any standard of construction.

(c) personal information contained on this form is collected under the *Freedom of Information and Protection of Privacy Act* and will be used only for the purpose of processing the permit application. For questions or additional information, contact the Village of Radium Hot Springs at 250.347.6455.

I/we have read the above agreement, release and indemnify and understand it.

Signature of Applicant(s): Name _____ Date: _____
(please print clearly)

Signature: _____

Name _____ Date: _____
(please print clearly)

Signature: _____

If the application is submitted by an Agent, the owner(s) must sign the following statement or provide separate written authorization:

I/we consent to this application filed by the person or company whose name appears as the agent on page 1.

Signature of Owner(s): _____ Date: _____

FOR OFFICE USE ONLY:

FEES: BUILDING

Building Permit: \$ _____

Plumbing Permit: \$ _____

Other: \$ _____

FEES: ENGINEERING & DEVELOPMENT SERVICES

Water: \$ _____

Sewer: \$ _____

Damage Deposit: \$ _____



PO Box 340,
4836 Radium Blvd.
Radium Hot Springs, BC V0A 1M0
P.250-347-6455 F.250-347-9068
www.radiumhotsprings.ca

**BUILDING DEPARTMENT
OWNER'S APPOINTMENT OF AN AGENT**

Re: Property Address: _____

Legal Description: _____

I am the owner of the above referenced property and hereby authorize:

Agent: _____
(Print Name)

To represent me in an application for (please check where applicable):

☐ Building Permit ☐ Demolition Permit ☐ Plumbing Permit

To view or receive copies of:

☐ Correspondence and/or Permits ☐ Permit Plans

Owner's information:

Name: _____ Signature: _____

Name: _____ Signature: _____

Address: _____

Telephone: _____ Date: _____

ASSEMBLY TABLES

HRV INSTALLED?

YES ☐

NO ☐

Typical Flat Ceiling Assembly						
	Material	Thickness (mm)	RSI	R	RSI required/ NO HRV	RSI required/ HRV
Outside air film			0.03	0.17		
Roofing						
Strapping						
Sheathing membrane						
Sheathing						
Insulation above trusses						
Truss spacing						
Bottom chord height						
Insulation between bottom chords						
Vapour barrier						
Gypsum board						
Interior air film			0.11	0.62		
Other						
Other						
Other						
Other						
Other						
Other						
Total Effective RSI/R of entire assembly			0.14	0.79	8.67	8.67

Note: Materials installed towards the exterior of a vented air space cannot be included in the calculation of effective thermal resistance of the assembly

Typical Vaulted Ceiling Assembly						
	Material	Thickness (mm)	RSI	R	RSI required/ NO HRV	RSI required/ HRV
Outside air film			0.03	0.17		
Roofing						
Strapping						
Sheathing membrane						
Sheathing						
Insulation above trusses						
Truss spacing						
Bottom chord height						
Insulation between bottom chords						
Vapour barrier						
Gypsum board						
Interior air film			0.11	0.62		
Other						
Other						
Other						
Other						
Other						
Other						
Total Effective RSI/R of entire assembly			0.14	0.79	4.67	4.67

Note: Materials installed towards the exterior of a vented air space cannot be included in the calculation of effective thermal resistance of the assembly

Typical Wall Assembly						
	Material	Thickness (mm)	RSI	R	RSI required/ NO HRV	RSI required/ HRV
Outside air film			0.03	0.17		
Cladding						
Strapping						
Sheathing Membrane						
Sheathing						
Stud wall		}				
Insulation						
Vapour barrier						
Gypsum board (mm)						
Interior air film			0.12	0.68		
Other						
Other						
Other						
Other						
Other						
Other						
Other						
Other						
Other						
Total Effective RSI/R of entire assembly			0.15	0.85	3.08	2.97

Typical Floor Assembly Over Unheated Spaces						
	Material	Thickness (mm)	RSI	R	RSI required/ NO HRV	RSI required/ HRV
Interior air film			0.16	0.91		
Flooring material						
Underlay						
Sheathing						
Air barrier						
Vapour barrier						
Joist spacing		}				
Insulation						
Gypsum (mm)						
Outside air film			0.03	0.17		
Other						
Other						
Other						
Other						
Other						
Other						
Total Effective RSI/R of entire assembly			0.19	1.08	4.67	4.67

Typical Foundation Wall Assembly						
	Material	Thickness (mm)	RSI	R	RSI required/ NO HRV	RSI required/ HRV
Outside air film			0.03	0.17		
Insulation						
Damp proofing						
Concrete						
Jolst spacing						
Insulation						
Vapour barrier						
Interior air film			0.12	0.68		
Other						
Other						
Other						
Other						
Total Effective RSI/R of entire assembly			0.15	0.85	2.98	2.98

1 Ventilation Checklist 1—Forced Air Systems SENTENCE 9.32.3.4(2)

Use this Checklist where forced air heating system ducts intake and distribute ventilation air.

Civic Address _____		Permit No. _____	
Climate Zone: _____	Number of Bedrooms	<div style="border: 1px solid black; width: 80px; height: 30px; display: inline-block;"></div>	(A) A bedroom is a room with an openable window (minimum dimensions apply), a closet and a closing interior door.
Total Floor area of living space		<div style="border: 1px solid black; width: 80px; height: 30px; display: inline-block;"></div> ft ²	(B)
Total Interior Volume of Dwelling		<div style="border: 1px solid black; width: 80px; height: 30px; display: inline-block;"></div> ft ³	Total volume includes all heated interior spaces (including crawlspace if heated).
.5 ACH (air changes/hr) = Volume x 0.5 ÷ 60 =		<div style="border: 1px solid black; width: 80px; height: 30px; display: inline-block;"></div> cfm	(C) Exhaust appliances exceeding .5 ACH may require make-up air.

1. Principal Ventilation System Exhaust Fan Minimum Air-flow Rate

Use the bedroom count from Box (A) and Total square footage from Box (B) above and Table 9.32.3.5. to determine

Minimum Required Principal Exhaust System Capacity cfm (D)

2. Principal System Fan Choice

a) Exhaust Fan continuous running Make _____ Model _____ Sone Rating _____

Location: _____ Capacity at 0.2 ESP cfm (E) Must be ≥ than Box (D)
If CEV, capacity @0.4ESP

3. Fan Duct Size and Equivalent Length

a) Installed Equivalent Length:

Length of duct _____ ft + Ext. hood 30 ft + (_____ # elbows at 10 ft each = _____) = ft (F)

b) Choose type of duct:

Flex duct ☐ or Rigid (smooth) duct ☐

c) Duct size required to flow Box E cfm through Box F equivalent length of duct = in Ø

Use Table 9.32.3.8 (3) to determine duct size.

4. Required Kitchen and Bathroom Exhaust Fans: Re-list below if Principal Exhaust Fan meets all or part of Kitchen/Bathroom spot Exhaust requirements.

ROOM	REQUIRED EXHAUST RATE . Table 9.32.3.6	EXHAUST EQUIPMENT						Ex.Fan/CEV
		Spot Exhaust Kitchen & Bath WALL/CEILING FANS						
		Fan Make & Model	CFM @ 0.2 ESP Manf. Rated	*Duct Sizing per Table 9.32.3.8.(3)				Principal System CFM
				Duct Dia (in Ø)		Max. Equiv. Length per table	Installed Equiv. Length	
rigid	flex							
* For fan capacities exceeding 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See Ventilation Guidelines Appendix page 16-A, Duct Sizing for Larger Fans.								

* For fan capacities exceeding 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See Ventilation Guidelines Appendix page 16-A, Duct Sizing for Larger Fans.

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5. Fresh Air must be ducted from outside to Return Air of Forced Air Heating for distribution.

- ☐ a) Ventilation air duct is connected not more than 15ft, nor less than 10ft upstream of the heating appliance, unless a flow control device is used.
- ☐ b) Duct Size for Fresh Air intake to RA. Choose one.
- ☐ Rigid Duct: 4" Ø minimum, must be insulated & vapour barriered for full length, OR
- ☐ Flex Duct: 5" Ø minimum, must be insulated & vapour barriered for full length.

☐ **6. Forced Air Heating System is ducted to supply air to every bedroom and any level without a bedroom.**

7. If Heated Crawlspace present, (Choose one)

- ☐ Minimum of one RA grille located in the crawlspace, OR
- ☐ No RA grille in crawlspace, choose ventilation Option 1, 2, or 3 per sentence 9.37.3.7 (2)

MAKE-UP AIR Requirements

1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) or radon 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 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.

$$\text{Make-up Fan cfm} \times 1.08 \times (34^\circ \text{F} - \text{Winter Design Temp your location}) = \text{Duct Heater} \text{ (kw)}$$

3412 BTUH/kw

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).

$$\text{Make-up Fan cfm} \times 1.08 \times (54^\circ \text{F} - 34^\circ \text{F}) = \text{Heat from unoccupied area required to raise temp by } 20^\circ \text{F}$$

3412 BTUH/kw

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).

$$\text{Make-up Fan cfm} \times 1.08 \times (54^\circ \text{F} - \text{Winter Design Temp your location}) = \text{Duct Heater} \text{ (kw)}$$

3412 BTUH/kw

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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.

**2012 TECA Ventilation
Certification Stamp**

Date _____

Print Name _____

Signature _____

Company _____

Phone _____

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Ventilation Checklist 2—HRV Systems SENTENCE 9.32.3.4 (3) & (4)

2014 Amendment to Section 9.32 Ventilation

Use this checklist when a centrally ducted HRV (heat recovery ventilator) is used alone or in combination with a Forced Air Heating System to meet principal ventilation system requirements.

Civic Address _____		Permit No. _____	
Climate Zone: _____	Number of Bedrooms	<div style="border: 1px solid black; width: 60px; height: 25px;"></div>	(A) A bedroom is a room with an openable window (minimum dimensions apply), a closet and a closing interior door.
Total Floor area of living space		<div style="border: 1px solid black; width: 60px; height: 25px; text-align: center;">ft²</div>	(B)
Total Interior Volume of Dwelling		<div style="border: 1px solid black; width: 60px; height: 25px; text-align: center;">ft³</div>	Total volume includes all heated interior spaces (including crawlspace if heated).
.5 ACH (air changes/hr) = Volume x 0.5 ÷ 60 =		<div style="border: 1px solid black; width: 60px; height: 25px; text-align: center;">cfm</div>	(C) Exhaust appliances exceeding .5 ACH may require make-up air.

1. Use the bedroom count (Box A above) and total square footage (Box B above) to determine the minimum principal Air Flow rate required by Table 9.32.3.5

Minimum Required Rate

cfm

 (D)

2. HRV Make _____ Model _____

3. HRV Capacity: CFM @ 0.4 ESP. Box E must meet Box D requirement.

cfm

 (E)

4. List Exhaust Grilles Locations: 1 minimum @ 6 ft or higher from floor of uppermost level.

5. Required Kitchen and Bathroom Exhaust

If HRV used to meet all or part of Kitchen/Bathroom spot exhaust requirements list below.

ROOM	REQUIRED EXHAUST RATE Table 9.32.3.6	EXHAUST EQUIPMENT							Principal System CFM
		Spot Exhaust Kitchen & Bath WALL/CEILING FANS							
		Fan Make & Model	CFM @ 0.2 ESP Manf. Rated	*Duct Sizing per Table 9.32.3.8.(3)		Max. Equiv. Length per table	Installed Equiv. Length		
				Duct Dia (in Ø)					
				rigid	flex				
								TOTAL (must = Box B)	

* For fan capacities exceeding 175cfm in Table 9.32.3.8(3), follow manufacturer's

* For fan capacities exceeding 175cfm in Table 9.32.3.8.(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See Ventilation Guidelines Appendix page 16-A, Duct Sizing for Larger Fans.

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6. HRV Fresh Air Distribution (Choose a or b)

a) Supply Air from HRV direct connect to Return Air of a Forced Air Heating System:

- ☐ FA system fan and HRV fan continuous operation and
☐ FA system ducted to supply air to every bedroom and each floor level without a bedroom

b) Supply Air from HRV distributed independently

- ☐ Ducted to every bedroom and each floor level without a bedroom and
☐ HRV fan continuous operation

7. If Heated Crawlpace present, (Choose one)

- ☐ Minimum of one Forced Air System RA grille located in the crawlpace, OR
☐ No RA grille in crawlpace, choose ventilation Option 1, 2, or 3 per sentence 9.37.3.7 (2)

MAKE-UP AIR Requirements

1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) or radon 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 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

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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 _____

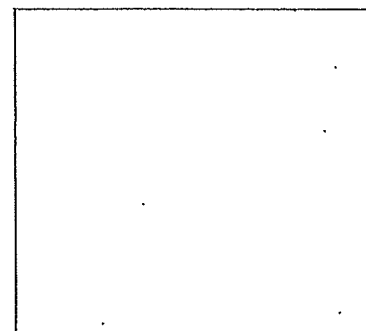
Signature _____

Company _____

Phone _____

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**2012 TECA Ventilation
Certification Stamp**



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2014 Amendment to Section 9.32 Ventilation

Ventilation Checklist 3—Distributed CRV Systems SENTENCE 9.32.3.4(5)

Use this Checklist when a ducted Central Recirculating Ventilator (CRV) is used to meet the fresh air intake and distribution requirements and a Principal Exhaust fan meets the exhaust requirements.

Civic Address _____		Permit No. _____	
Climate Zone: _____	Number of Bedrooms	<div style="border: 1px solid black; width: 60px; height: 25px; display: inline-block;"></div>	(A) A bedroom is a room with an openable window (minimum dimensions apply), a closet and a closing interior door.
Total Floor area of living space		<div style="border: 1px solid black; width: 60px; height: 25px; display: inline-block;"></div> ft ²	(B)
Total Interior Volume of Dwelling		<div style="border: 1px solid black; width: 60px; height: 25px; display: inline-block;"></div> ft ³	Total volume includes all heated interior spaces (including crawlspace if heated).
.5 ACH (air changes/hr) = Volume x 0.5 ÷ 60 =		<div style="border: 1px solid black; width: 60px; height: 25px; display: inline-block;"></div> cfm	(C) Exhaust appliances exceeding .5 ACH may require make-up air.

1. Principal Ventilation System Exhaust Fan Minimum Air-flow Rate

Use the bedroom count from Box (A) and Total square footage from Box (B) above and Table 9.32.3.5, to determine

Minimum Required Principal Exhaust System Capacity

cfm (D)

2. Principal System Fan Choice

a) Exhaust Fan continuous running Make _____ Model _____ Sone Rating _____

Location: _____ Capacity at 0.2 ESP cfm (E) Must be ≥ than Box (D)
If CEV, capacity @0.4ESP

3. Fan Duct Size and Equivalent Length

a) Installed Equivalent Length:

Length of duct _____ ft + Ext. hood 30 ft + (_____ # elbows at 10 ft each = _____) = ft (F)

b) Choose type of duct:

Flex duct ☐ or Rigid (smooth) duct ☐

c) Duct size required to flow Box E cfm through Box F equivalent length of duct =

Use Table 9.32.3.8 (3) to determine duct size.

in Ø

4. Required Kitchen and Bathroom Exhaust Fans: Re-list below if Principal Exhaust Fan meets all or part of Kitchen/Bathroom spot Exhaust requirements.

ROOM	REQUIRED EXHAUST RATE Table 9.32.3.6	EXHAUST EQUIPMENT							Ex.Fan/CEV Principal System CFM
		Spot Exhaust Kitchen & Bath WALL/CEILING FANS							
		Fan Make & Model	CFM @ 0.2 ESP Mant. Rated	*Duct Sizing per Table 9.32.3.8.(3)		Max. Equiv. Length per table	Installed Equiv. Length		
				Duct Dia (in Ø)					
				rigid	flex				

* For fan capacities exceeding 175cfm in Table 9.32.3.8(3), follow manufacturer's installation instructions or use good engineering practice to size duct. See *Ventilation Guidelines* Appendix page.16-A, *Duct Sizing for Larger Fans*. © March 2015 TECA All Rights Reserved Checklist 3, pg1 of 2

TOTAL (must = Box E)

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 for less than +5°F winter design temperature.

Make _____ Model _____ Capacity @ _____ cfm (F)
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 9.37.3.7 (2).

MAKE-UP AIR Requirements

1. NAFFVA (Naturally Aspirated Fuel Fired Vented Appliance) or radon 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 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

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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 _____

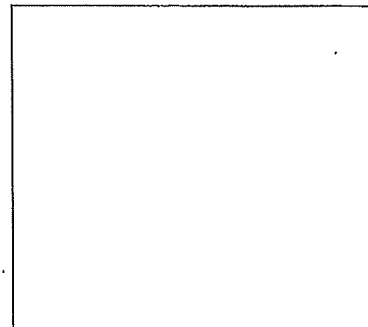
Company _____

Phone _____

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2012 TECA Ventilation
Certification Stamp





CERTIFICATION OF PLUMBING INSTALLATION

This form is for use by certified plumbers who have attained their British Columbia Tradesman Qualification Certification or Interprovincial Certification.

I, _____ B.C. Tradesman
(Print Name)

Certification No. _____ of _____
(Company Name)

hereby certify that I installed and tested the following plumbing system at:

(address of property)

for _____ under Building Permit No. _____
(Owner's Name)

The installation was tested in accordance with good trade practice and complies with the current edition of the BC Plumbing Code, Division B, Part 2, including materials and equipment used.

Check off the appropriate test and have both columns signed, then submit to the Building Inspector	Initial In Applicable Spaces		
TYPE OF TEST	PLUMBER	OWNER/ AGENT	TEST DATE (D/M/Y)
Testing of underground DWV system, as required under Division B, Part 2, Subsection 2.3.6 of the BC Plumbing Code <input type="checkbox"/> Static water test – 3m column of water required for 15 minutes <input type="checkbox"/> Air Test – 15 minutes at 35kPa (5 psi)			
Testing of the Potable Water System, as required under Division B, Part 2, Subsection 2.3.7 of the BC Plumbing Code <input type="checkbox"/> Water pressure test to 700kPa (100 psi) or, <input type="checkbox"/> Air pressure test to 700kPa (100 psi) for at least 2 h without pressure drop			
Testing of aboveground DWV system, as required under Division B, Part 2, Subsection 2.3.6 of the BC Plumbing Code <input type="checkbox"/> Static water test – 3m column of water required for 15 minutes <input type="checkbox"/> Air Test – 15 minutes at 35kPa (5 psi)			
Other Systems: (describe) _____			

Backflow Prevention Type:

Sewer _____ Waterline _____

Submission of this form in no way waives your responsibility to have the plumbing system inspected at the required inspections listed on the Permit.