

BUILDER		LOCATION	
Name		Address	
Address		Ventilation Contractor (If known)	
Normal Operating Exhaust Capacity Range of Principal Exhaust Fan		Name	
Minimum of Range (See back) <input type="text"/> 01 l/s	Maximum of Range (See back) <input type="text"/> 02 l/s	Address	
Actual Normal Operating Exhaust Capacity (NOEC) of Principal Exhaust Fan		SYSTEM DESIGN	
Actual NOEC (See back) <input type="text"/> l/s		03 <input type="checkbox"/>	
Confirm that line 03 >= line 01 and <= line 02 Y <input type="radio"/> N <input type="radio"/>		04 <input type="checkbox"/>	
Two Speed Principal Exhaust Fan		05 <input type="checkbox"/> 3. HRV - supply to forced air furnace return, exhaust inlets from rooms	
(See back) Maximum Operating Exhaust Capacity (MOEC) = <input type="text"/> l/s		06 <input type="checkbox"/> 4. HRV - supply and exhaust ducts to forced air furnace return	
High speed of 2 speed fan check = 2.5 x (line 01) = <input type="text"/> l/s		07 <input type="checkbox"/> 5. Exhaust and supply fans to and from rooms (not connected to furnace)	
Line 05 - Line 06 = <input type="text"/> l/s		08 <input type="checkbox"/> 6. HRV not coupled to a forced air furnace	
		Kitchen exhaust supplementary exhaust fan	
		09 Minimum capacity for separate exhaust fan for kitchen = 50 l/s except where the principal exhaust fan draws from the kitchen only or where it draws from the kitchen and other rooms and line 07 >= 0.	
		10 Kitchen exhaust supplementary fan capacity = <input type="text"/> l/s	
		Bathroom exhaust inlet is not part of Principal Exhaust	
Outdoor Air Supply		Minimum capacity for separate exhaust fan for each bathroom = 25 l/s Bathroom exhaust supplementary fan capacity = <input type="text"/> l/s per room	
Are there one or more fuel fired space and water-heating units (not including solid-fuel burning appliances) of other than direct-vented or mechanically vented. Y <input type="radio"/> N <input type="radio"/>	11	Controls (see the NBC for other requirements)	
Is soil gas deemed to be a problem and provisions have not been made for an active soil gas mitigation system. Y <input type="radio"/> N <input type="radio"/>	12	1. A switch marked 'VENTILATION FAN' is required in the living area.	
If either line 11 or line 12 is 'Y' then a make-up air fan is required for and must be interconnected with each supplemental exhaust fan so that the make-up air is provided within 10% of the air being exhausted from the exhaust fan unless a spillage test is performed conforming to CAN/CGSB-51.71 and the results of the tests conform with Article 9.32.3.8.9 of the 2005 National Building Code. The make-up air must be tempered or supplied to a space that is not habitable. This information is required to be shown in the chart on the back of this form.		2. A switch is required in the kitchen to activate the high speed of the Principal Exhaust Fan if a separate exhaust fan is not provided.	
		3. If more than one fan is used for the Principle exhaust system they must be interconnected	
		4. The Principal Exhaust Fan must be interconnected with the make-up air fan and the furnace as applicable.	
		Combustion Air	
		For indirect vented appliances and solid fuel burning appliances indicate if Combustion air? Y <input type="radio"/> N <input type="radio"/> n/a <input type="radio"/>	
CERTIFICATION			
I certify that this ventilation system has been designed in accordance with the requirements of the 2005 National Building Code, section 9.32.3		Name:	
		Company:	
		Address:	
		Telephone:	
		Signature	

Ventilation Sheet (Continued on front)

(S3, S4, S5 OR S6)

Revised 04/06/2010

Normal Operating Exhaust Capacity (NOEC) of PVFan (Range)		
Number of Bedrooms	Minimum	Maximum
1	16	24
2	18	28
3	22	32
4	26	38
5	30	45

Actual Number of Bedrooms: _____

Minimum Normal Operating Exhaust Capacity Req'd: _____ l/s

Maximum Normal Operating Exhaust Capacity Permitted: _____ l/s

Note: You may wish to design the (NOEC) to include capacity for future basement development. If there are more than 5 bedrooms you are required to design to CAN/CSA F326-M.

PRINCIPAL EXHAUST FAN(S) (Check if HRV provided <input type="checkbox"/>)				
FAN #	Sone	Location of Inlet	Normal Operating Exhaust Capacity (L/S) NOEC	Maximum Operating Exhaust Capacity of 2 speed fan (L/S) MOEC
Total (NOEC)				
Outdoor Air Supply (OAS) For Principal Exhaust Fan(s)				Total (MOEC)

All Ducts (Supply, Exhaust, and Make-Up Air) shall be sized according to Article 9.32.3.11

Grease filters are required on all range hoods, range top fans and all exhaust intakes located within 3m horizontally of a range.

Principal ventilation fans are required to have a maximum sone rating of 2.0

If more than one fan is used to provide the required normal operating exhaust capacity, such fans shall be controlled by one switch.

Confirm OAS = NOEC (Y) (N)

SUPPLEMENTAL & MECHANICAL EXHAUST FAN(S)			
FAN #	Sone	Location of Inlet	CAPACITY (L/S) (Actual)

(A dryer is required to be included as a mechanical exhaust fan)

Outdoor intake and exhaust openings shall comply with article 9.32.3.13.
If a fan is used in conjunction with outdoor air it must be approved by the manufacturer for untempered outdoor air and continuous operation.

Make-up air is required for all mechanical exhaust fans that are not part of the principal exhaust system where fuel-fired space or water-heating appliances are other than direct-vented or mechanically vented types, or where soil gas is deemed to be a problem and no provisions have been made for active gas mitigation (Exception may apply if a spillage test is conducted). If a fan is used in conjunction with outdoor air, it must be approved by the manufacturer for untempered outdoor air and continuous operation.

Note: Make-up air fans will be required for all exhaust fans in excess of 75 l/s until further notice.

OUTDOOR MAKE-UP AIR FAN(S)				
FAN #	Sone	Outdoor air supplied to room	CAPACITY (L/S)	Pre-heat outdoor air (Y/N)