## Residential Mechanical Ventilation and Heating/Cooling mary (HVAC)

	E PRINT LEGIBLY (all information must be	com
	ON OF INSTALLATION	
Lot #: Munic.Addre	Plan #:	
Multiple Uni		
Permit #:	Other:	
	outer.	
BUILDER	₹	
Name:		
Address:	T	
Phone:	Certificaton #	
INSTALL	ING CONTRACTOR	
Name:		
Address:		
Phone:		
COMBUS	STION APPLIANCES	
22111110	a) Direct Vent (sealed Combustion) only	
	b) Positive venting induced draft (excluding fireplace)	
<u> </u>	c) Natural draft, B vent or induced draft fireplace	
	d) Solid Fuel (including fireplace)	
	e) No combustion appliances	
HEATING	SYSTEM	
HEATING	Forced Air	
	Non-Forced Air	
	Electric Space Heating	
	FUEL TYPE	
HEATING	FUEL TYPE	
	Gas Oil	
	Propane	
	Electric	
HOUSE T	YPE	
	Type (a) or (b) appliance only, no solid fuel	
	II Type I with solid fuel (including fireplace)	
	III Any Type (c) appliance  IV Type for electric space heat	
	Other: Type I, II, or IV with no forced air	
SYSTEM	DESIGN OPTION	
	Exhaust Only/Forced Air (complete 1-5,7,8)	
	HRV with Exhaust ducts/Forced Air (complete 1,6-8)	0.5
	HRV simplified connection to Forced Air (complete 1,	
	HRV full duct/not connected to Forced air (complete of Part 6 Design - More than 5 bedrooms	(۵-م, ۱
CERTIFIC	CATION	
I hereby cer	tify that this ventilation system has been designed in	
•	with the Ontario Building Code and good engineering	
practice. Th	ne undersigned has reviewed and takes responsibility f	or
•	and has the qualifications and meets the requirements	set
out in the O	ntario Building Code to be a designer.	
Norse		
Name:		
Phone:		
i none.		
BCIN#		
- <del></del>		
HRAI Ventil	ation Certification #	
HRAI Heat I	Loss/Gain Certification #	

## **APRIL 2010**

1) TOTAL VENTILATION CAPACITY	Div. B	9.32.3.3.(1)
Bsmt & Mstr Bedroom	x 21.2 =	cfm
Other Bedrooms	x 10.6 =	cfm
Bathrooms & Kitchen	x 10.6 =	cfm
Other Rooms	x 10.6 =	cfm
	Total =	cfm

2) PRINCIPAL VENTILATION CAPA	CITY	Div.	B 9.32.3.4.(1)
1 Bedroom	31.8	cfm	
2 Bedroom	47.7	cfm	
3 Bedroom	63.6	cfm	
4 Bedroom	79.5	cfm	
5 Bedroom	95.4	cfm	

\*\*More than 5 Bedrooms

5) SUPPLEMENTAL FANS

Pt. 6 Dsgn

Div. B 9.32.3.5

3)SUPPLEMENTAL VENTILA	ACITY I	Div. B 9.32.3.5.	
Total Ventilation Capacity	(box 1)		cfm
Less Principal Ventilation Capacity	(box 2)		cfm
Supplemental Ventilation Capacity			cfm
Range Hood Vented to Exterior?		Yes	No

4) PRINCIPAL EXHAUST FAN CAPACITY Div. B 9.32.3.4.B					
Make/Model:		Location			
cfm	sones	HVI			
Principal Exhaust Duct Size(Circle Applicable Bedrms & Duct)					
# Bedrooms	Smooth Duct	Flexible Duct			
1	4"	5"			
2	5"	6"			
3	5"	6"			
4 & 5	6"	7"			
Over 5	Part 6 Design	Part 6 Design			

Location	cfm	Make	Model	Sones
·				
Suppl	ementary	Exhaust D	Ouct Size	
Fan Capacit	y (cfm)	Min. Exhaus	st Duct Diam	eter
(Circle Applicable cfm	& Duct)	Smooth	Flex	
53		5"	6"	
106		6"	7"	

6) HEAT RECOVERY VENTILATOR (HRV)					
Make/Model:					
ļ					
cfm high		cfm low			
%Sensible Efficiency	@ -25c	HVI			

7) HEATING APPLIANCE		
Make/Model:		
Heating Output	Total Design	
втин	Heat Loss BTU	JH

8) COOLING APPLIANCE				
Make/Model:				
			Tons	
Cooling Output		Total Design		
		Cooling Load	BTUH	

## **General Notes**

Signature:

HRAI Duct Design Certification #

- The principal exhaust fan shall be controlled by a manual switch centrally located in the dwelling unit and be identified with the words VENTILATION FAN. 1)
- The forced air heating system circulation fan shall be controlled by a manual switch located adjacent to the ventilation fan switch and shall be identified by the words CIRCULATION FAN. 2)
- Provide a rough-in for an exhaust fan when a rough-in for a bathroom is provided within a basement. 3)

Date:

Kitchener · North Dumfries · Waterloo · Wellesley · Centre Wellington · Wilmot · Woolwich