

## Residential Mechanical Ventilation and Heating/Cooling Design Summary (HVAC)

LOCATION OF INSTALLAT	TION							
Lot #: F	Plan #:							
Address:								
Multiple Units: LHS	LHS/RHS Upper/Lower							
ermit#: Other:								
BUILDER								
Name:								
Address:								
Phone: Certification#:								
Installing Contractor								
Name:								
Address:								
Phone:								
COMBUSTION APPLIANCES								
Direct vent (sealed combustion) only								
Positive venting induced draft (excluding fireplace)								
Natural draft, B vent or induced draft fireplace								
Solid fuel (including fireplace)								
No combustion a								
HEATING SYSTEM	HEATING FUEL TYPE							
Forced air Non-forced air								
☐ Electric space heating								
Other	Electric							
House Type								
I Type (a) or (b) appliance only, no solid fuel								
☐ II Type 1 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	J.							
Exhaust only/forced air (complete 1-5,7,8)								
☐ HRV with exhaust ducts/forced air (complete 1,6-8)								
☐ HRV simplified connection to forced air (complete 1,6-8)								
HRV full duct not connected to forced air (complete 1,6-8)								
Part 6 Design – more than 5 bedrooms								
1) TOTAL VENTILATION C	<b>CAPACITY</b> Div. B 9.32.3.3.(1)							
Basement & master BR	x 21.2= cfm							
Other bedrooms	x 10.6= cfm							
Bathrooms & kitchen	x 10.6= cfm							
Other rooms	x 10.6= cfm							
Total =								
2) PRINCIPAL VENTILATION CAPACITY 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	Pt. 6 dsgn							

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3) SUPPLEMENTAL VENTILATION CAPACITY Div B 9.32.3.5.								
Total Ventilation Capacity (box 1)cfm								
Less Principal Ventilation Capacity (box 2)cfm								
Supplemental Ventilation Capacitycfm								
Range Hood Vented to Exterior?								
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)								
Principal Exhaust I #bedrooms		Duct Size (circle applica smooth duct			able bedrms & duct) flexible duct			
#Deurooms		4"		5"				
2	•		5"		6"			
3			5"		6"			
	4 & 5		6"		7"			
	Over 5 Part 6 Design		<u> </u>	Part 6 Design				
5) SUPPLE					Div. B 9.32.3.5			
location	cfm	ma	ke	n	nodel	sones		
Supplementary Exhaust Duct Size Fan Capacity (cfm) Min. Exhaust Duct Diameter								
(circle app. cfr			Min. Exhaust i			Duct Diameter flex		
53			5"		6"			
106				7"				
6) HEAT RECOVERY VENTILATION (HRV)								
Make/Model:								
cfm high				cfm low				
% sensible efficiency @ 25¢ HVI								
CERTIFICATION								
I hereby certify that this ventilation system has been								
designed in accordance with the Ontario Building Code and good engineering practice. The undersigned has reviewed and takes responsibility for this design and has the qualifications and meets the requirements set out in the Ontario Building Code to be a designer.								
Name:								
Phone:								
BCIN #:				_				
HRAI Ventilation Certification #:								