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

PLEAS	SE PRINT LEGIBLY (all information must be completed,)				APRIL 2010
LOCAT	TION OF INSTALLATION	1) TOTAL VEN	ITILATION CA	APACITY	Di	v. B 9.32.3.3.(1
Lot #:	Plan #:	Bsmt & Mstr Bedro	oom		x 21.2 =	cfn
Munic.Ac	ddress:	Other Bedrooms			x 10.6 =	cfn
Multiple l	Units: LHS / RHS Upper / Lower	Bathrooms & Kitch	en		x 10.6 =	cfn
Permit #:	: Other:	Other Rooms			x 10.6 =	cfn
					Total =	cfm
BUILD	ER					
Name:		2) PRINCIPAL	VENTILATIO	N CAPACI		v. B 9.32.3.4.(1
Address:		1 Bedroom			31.8 cfm	
Phone:	Certification #	2 Bedroom			47.7 cfm	
INIOT A	LUNG CONTRACTOR	3 Bedroom			63.6 cfm	
-	LLING CONTRACTOR	4 Bedroom			79.5 cfm	
Name:		5 Bedroom			95.4 cfm	
Address:		***More than 5 Bedro		ATIONIO	Pt.6 dsgn	
Phone:		3)SUPPLEMEI			APACITY	Div. B 9.32.3.5
OOMB	HOTION APPLIANCES	Total Ventilation C	• •	(box 1)		cfm
COMP	USTION APPLIANCES	Less Principal Ven		(box 2)		cfm
	a) Direct Vent (sealed Combustion) only	Supplemental Ven			V	cfm
	b) Positive venting induced draft (excluding fireplace)	Range Hood Vente	ed to Exterior?		Yes	No
	c) Natural draft, B vent or induced draft fireplace	4) PRINCIPAL	EVUALICE E	NI CADAC	NTV 5	N. D. 00 0 4 1
	d) Solid Fuel (including fireplace)		EXHAUST FA	AN CAPAC		Div. B 9.32.3.4.
	e) No combustion appliances	Make/Model:			Location	
HEATI	NG SYSTEM	cfm	sones		HVI	
	Forced Air	Principal Exha		e(Circle Appl		ns & Duct)
	Non-Forced Air	# Bedrooms	Smooth D		Flexible [
	Electric Space Heating	1	4"		5"	
		2	5"		6"	
HEATII	NG FUEL TYPE	3	5"		6"	
	Gas	4 & 5	6"		7"	
	Oil	Over 5	Part 6 Desi	ign	Part 6 Des	ign
	Propane					
	Electric	5) SUPPLEME	NTAL FANS			Div. B 9.32.3.
		Location	cfm	Make	Model	Sones
HOUSE	E TYPE					
	I 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					
CVCTT	M DECICN OPTION		Summlamanta-	a. Evbarra	· Duet C!-	•
STOLE	EM DESIGN OPTION		Supplementar	•		
	Exhaust Only/Forced Air (complete 1-5,7,8)		Capacity (cfm)		ust Duct Dia	ameter
	HRV with Exhaust ducts/Forced Air (complete 1,6-8)	(Circie Applica	ble cfm & Duct)	Smooth		
	HRV simplified connection to Forced Air (complete 1,6-8)		53	5" 6"	6" 7"	
	HRV full duct/not connected to Forced air (complete 1,6-8)		106	6"	<i>I</i>	
	Part 6 Design - More than 5 bedrooms					

CERTIFICATION					
I hereby cert	ify that this ventilation sys	tem has bee	n designed in		
	accordance with the Ontario Building Code and good engineering				
•	practice. The undersigned has reviewed and takes responsibility for				
_	and has the qualifications		ne requiremer	nts set	
out in the Ontario Building Code to be a designer.					
Name:					
Phone:					
BCIN#	_				
HRAI Ventila	ation Certification #				
HRAI Heat Loss/Gain Certification #					
HRAI Duct Design Certification #					
Signature:			Date:		

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

7) HEATING APPLIANCE				
Make/Model:				
Heating Output	Total Design			
BTU	=	BTUH		

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

GENERAL NOTES:

- 1) 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.
- 2) 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.
- 3) Provide a rough-in for an exhaust fan when a rough-in for a bathroom is provided within the basement.