<b>RESIDENTIAL MECHANICAL VENTILATION DESIGN SUMMARY</b> for design and performance of residential ventilation systems to OBC 2024 - 9.32				
1. Location Municipality:	9. Principal Ventilation Fan			
Civic Address:	HRV/ERV Central Inline Fan Bathroom Fan			
2. Builder Name:	Location:			
Address:	Manufacturer:			
City: Postal Code:	Model: HVI Rated			
Ph: Fax:	Design Airflow: Low: CFM High: CFM			
3. Designer Name:	Sones: ESP: "w.c.			
Address:				
City: Postal Code:	% Sensible Efficiency @ 0 ºC @CFM			
Ph: Fax:	% Sensible Efficiency @ -25 °C @CFM			
HRAI #:	(If HRV/ERV is used, the system must also comply with SB-12)			
E-mail:	10. Other Ventilation Fans			
4. Combustion Appliances	Location: Sones:			
a) Direct Vent b) Induced Draft	Manufacturer:			
c) Natural Draft d) Solid Fuel Appliances	Model: HVI Rated			
e) No Combustion Appliances CO Alarm Required	Design Airflow:CFM ESP:"w.c.			
5. Heating System	Supplemental Fan Supply Fan for Principal Exhaust			
Forced Air Non-Forced Air	Circulation Fan Make-up Air Fan for			
Gas Propane Other	Location: Sones:			
Oil Electricity	Manufacturer:			
6. Distribution System	Model: HVI Rated			
Furnace Inline fan HRV/ERV	Design Airflow: CFM ESP: "w.c.			
7. Principal Ventilation System Design Option	Supplemental Fan Supply Fan for Principal Exhaust			
Exhaust only forced air distribution system	Circulation Fan Make-up Air Fan for			
(Circ. fan at least 5 times the capacity of the principal exhaust)	Location: Sones:			
Balanced no heat recovery	Manufacturer:			
HRV/ERV with extended exhaust	Model: HVI Rated			
HRV/ERV with simplified exhaust	Design Airflow: CFM ESP: "w.c.			
HRV/ERV with full ducting/not coupled to forced air	Supplemental Fan Supply Fan for Principal Exhaust			
HRV/ERV with no supplemental fans	Circulation Fan Make-up Air Fan for			
(High speed must be at least 2.5 times the principal exhaust)	Location: Sones:			
Supplemental fans	Manufacturer:			
8. Principal Ventilation Capacity (PVC)	Model: HVI Rated			
# of Bedrooms: Required Exh Airflow: CFM	Design Airflow: CFM ESP: "w.c.			
Supply Air Required: Yes No	Supplemental Fan Supply Fan for Principal Exhaust			
Mixed Air Temperature Calculation Required:	Circulation Fan Make-up Air Fan for			
Yes No	11. Designer Consent			
For a System coupled with a Forced Air Furnace:	Icertify this ventilation			
Furnace Blower Rate: CFM	system is designed to be in accordance with OBC-2024 9.32			
Max Allowable Outdoor Airflow as per NBC 9.32.3.4.(2):				
CFM	Date:Signature:			

Conversion note: 1 L/s = 2 CFM (For hard conversion, use 1 L/s = 2.118 CFM) Note: Secondary suite ventilation system requires a separate design



RESIDENTIAL MECHANICAL VENTILATION RECORD			
ADDRESS	For Certification of Design and Performance Municipality: Civic Address:	e of Residential Ventilation Systems HRV/ERV Central In-line Fan Bath Fan Location:	W2 H
DDA B	Name:	Manufacturer: Model: HVI Rated	
BUILDER	Address: City: Postal Code: Ph: Fax:	Design Airflow: High: CFM ESP: "w.c Low: CFM Sones:	TVC SYSTEM
DESIGNER	Name:     Address:     City:   Postal Code:	For HRV/ERV: % SRE @ 0 ºC @CFM % SRE @ -25 ºC @CFM	
DESI	Ph: Fax: E-mail: HRAI #:	Location: Manufacturer: Model: HVI Rated	
HEATING SYSTEM/	Forced Air Non Forced air Electric Gas Oil Other No Combustion Appliances No Dep limit	Design Airflow: CFM ESP: "w.c. TVC Exhaust Make-up Air Recirc	
	Solid Fuel (including Fireplaces)5 Pa Dep limitDirect Vent (sealed combustion)No Dep LimitInduced Draft/Power VentPa Dep limitNatural Draft or B-Vented5 Pa Dep limitLowest Depressurization LimitPa.	Location: Manufacturer: Model: Design Airflow: TVC Exhaust Moke up Air Design	EQUIPMENT
CEC EQUIPMENT	Clothes Dryer(s)(150 cfm default)Downdraft Cook Top(220 cfm default)Other (exhaust)(over 150 cfm)	TVC     Exhaust     Make-up Air     Recirc       Location:	TIONAL
F	Depressurization test required?       See W-3C worksheet         Bsmt & Master Bedroom       @ 20 cfm       cfm         Other Bedrooms       @ 10 cfm       cfm	Model:       HVI Rated         Design Airflow:       CFM       ESP:       "w.c.         TVC       Exhaust       Make-up Air       Recirc	ADDI
TOTAL VENTILATION CAPACITY (TVC	Bathrooms & Kitchens @ 10 cfm cfm Other Hab. Rooms @ 10 cfm cfm Total Ventilation Capacity (TVC) cfm	Location: Manufacturer:	
G sno	Depressurization test required?       See W-3A or W-3B         Minimum Continuous Exhaust         Kitchen(s)       @ 60 cfm       =cfm         Dethreem(a)       @ 20 cfm       =cfm	Model:       HVI Rated         Design Airflow:       CFM       ESP:       "w.c.         TVC       Exhaust       Make-up Air       Recirc	
EXHAUST CAPACITY Intermittent Continu	Bathroom(s)       @ 20 cfm =cfm         Total      cfm         Minimum Intermittent Exhaust         Kitchen(s)       @ 100 cfm =cfm         Bathroom(s)       @ 50 cfm =cfm         Total      cfm	I, certify this ventilation system design to be in accordance with CSA F326: Date: Signature:	DESIGNER CONSENT

Conversion note: 1 L/s = 2 CFM (For hard conversion, use 1 L/s = 2.118 CFM)

