

THE CITY OF THUNDER BAY DEVELOPMENT SERVICES DEPARTMENT

BUILDING DIVISION

MECHANICAL VENTILATION DESIGN REVIEW FORM

Heat Recovery Ventilator Systems

NOTE: Use Permanent Markings to Complete this Form

LOCATION OF INSTALLATION	INSTALLING CONTRACTOR	CERTIFIED DESIGNER		
NameAddress City & Province Postal Code Telephone No TYPE OF BUILDING TYPE OF HE	Name Address City & Province Postal Code Telephone No ATING SYSTEM(S) HOT WA	Name Registration/Cert. # Address City & Province		
1.) Detached Forced Air 2.) Row Baseboard 3.) Multi-Residential Other 4.) Other Solid Fuel App TYPE OF EQUIPMENT APPLIED H.R.V. (Certified to C.S.A C.22.2 No.113 and Performance Tested to	Oil Type I (1) Gas Gas Type II (1) Other Type III (1) Type III (1)	Type I (1)	Provide Details	
ManufacturerBrand Name				
TYPE OF CONTROLS Dehumidistat With 1.) Interval Timers 2.) Manually Operated Switch 3.) HRV Control(s) - must be centrally located a control and identified. NOTE: Manufacturers				
DISTRIBUTION SYSTEM 1.) Separate/Dedicated (Duct Size and Layout Description of the Connection of the	to R/A System Required) (4)	del No.		
BTU/1000 Output				
Multi Speed Fan *Continuous Operation Preheating Required Yes Yes (Watt	No No No No			

*Control switch for systems which utilize the forced air heating/cooling systems must be centrally located and identified as the "CIRCULATION FAN")

SUPPI	LY VENTILATION (Greater of A or B Belo	ow)	OU.	TSIDE VENTED MECHANICA	L EXHAUST	SYSTI	ЕМ
SUPPI A) OR B)	'ROOMS' Bsmt. & Master Bdrm. @ 10 L/s (20 cfm) Other Bedrooms @ 5 L/s (10 cfm) Bathrooms & Kitchen @ 5 L/s (10 cfm) Other Habitable Rooms @ 5 L/s (10 cfm) TOTAL EXHAUST VENTILATION	Js cfm	Clo	othes Dryer (Default 160 cfm) entral Vacuum tchen Range Hood (Default 100 cfm) athroom (Default 50 cfm)	TOTAL	L/s	cfm
	Kitchens @ 30 L/s (60 cfm) Bathrooms @ 15 L/s (20 cfm) TOTAL Minimum Supply Required (5)			F326 HOUSE PRESSURE LIN houses with non-direct vent combustion Not Allowed -5 Pa or limit defined by man of heating equipment (not more than -10 Pa)	on appliances Good	Not Allo	wed
ADDE	NDUM TO APPLICATION		2. For I	houses with only direct vent combustion	on appliances		
	Combustion Appliance Category Type I - Natural Draft Type Type II - Induced Draft Type Type III - Sealed Unit or Non-Fuel Burnir			No limit on Intermittent -10 Pa Continuous	Good	Not Allo	owed
Note (2)							
Note (4)	provisions for dedicated systems. This Department assumes that all furnac sized in accordance with good engineeri Part 6 of the Ontario Building Code.			NOTE: - Include all ventilation fans in test - Also include the dryer and the next largest fan for intermittent (Reference Exhaust) pressure measurement			
Note (5)	Must include low temperature ventilation HRV.	correction rate for					

This Department strongly recommends that each project is field tested to determine relief/make-up air requirements.

Note (6)