



Owatonna

— Minnesota —

Building Safety Department

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2009 Mechanical & Energy Code – Ventilation, Makeup, and Combustion Air Calculations

Please submit at time of application of a mechanical permit for new construction

Site address				Date	
HVAC Contractor			Completed By		

Section A

Ventilation Quantity			
(Determine quantity by using Table N1104.2 or Equation 11-1)			
Square feet (Conditioned area including Basement – finished or unfinished)		Total required ventilation	
Number of bedrooms		Continuous ventilation	

Section B

Ventilation Method			
(Choose either balanced or exhaust only)			
<input type="checkbox"/> Balanced, HRV (Heat Recovery Ventilator) or ERV (Energy Recovery Ventilator) – cfm of unit in low must not exceed continuous ventilation rating by more than 100%.		<input type="checkbox"/> Exhaust only Continuous fan rating cfm	
Low cfm:		High cfm:	
		Continuous fan rating in cfm (capacity must not exceed continuous ventilation rating by more than 100%)	

Section C

Ventilation Fan Schedule			
Description	Location	Continuous	Total Ventilation

Section D

Controls	
(Describe operation and control of the continuous ventilation)	

Section E

Make-up air for ventilation	
<input type="checkbox"/>	Passive (determined from calculations from Table 501.4.1)
<input type="checkbox"/>	Powered (determined from calculations from Table 501.4.1)
<input type="checkbox"/>	Interlocked with exhaust device (determined from calculation from Table 501.4.1)
<input type="checkbox"/>	Other, describe:
Location of duct or system ventilation make-up air: Determined from make-up air opening table	
Cfm	Size and type (round, rectangular, flex or rigid)

Section F

Make-up air for combustion	
<input type="checkbox"/>	Not required per mechanical code (No atmospheric or power vented appliances)
<input type="checkbox"/>	Passive (see IFGC Appendix E, Worksheet E-1)
<input type="checkbox"/>	Other, describe:

Notes: Instructions and example forms are available at the Building Safety website and at the Building Safety office. **This form must be submitted at the time of application of a mechanical permit for new construction.**