

## ASHRAE 62.1 MVR Calculation Worksheet

Select the appropriate n-factor based on climate zone map and table (see below):

Enter blower door reading:

1. Divide blower door reading by n-factor to get CFM natural: 1

2. Calculate:

a.  $\# \text{Occupants} \times 15 \text{ CFM}^1$ :  $\# \text{ People} \times 15 =$  2a

b.  $(\text{Bedrooms} + 1) \times 15 \text{ CFM}$ :  $\# \text{ Bedrooms} + 1 \times 15 =$  2b

c.  $((\text{Volume} \times .35)/60)$ :  $\text{Volume of House} \times .35/60 =$  2c

If the result of #1 is greater than the highest of 2a, 2b, and 2c, STOP. No additional ventilation is needed.

If #1 is not greater than the highest of 2a, 2b, or 2c, go to step 3.

3. Enter the highest of 2a, 2b and 2c. 3

4. Subtract #1 from #3 to get the MVR. This must be made up with mechanical ventilation. 4

5. Enter existing mechanical exhaust ventilation (Operable only):

Bathroom

Kitchen

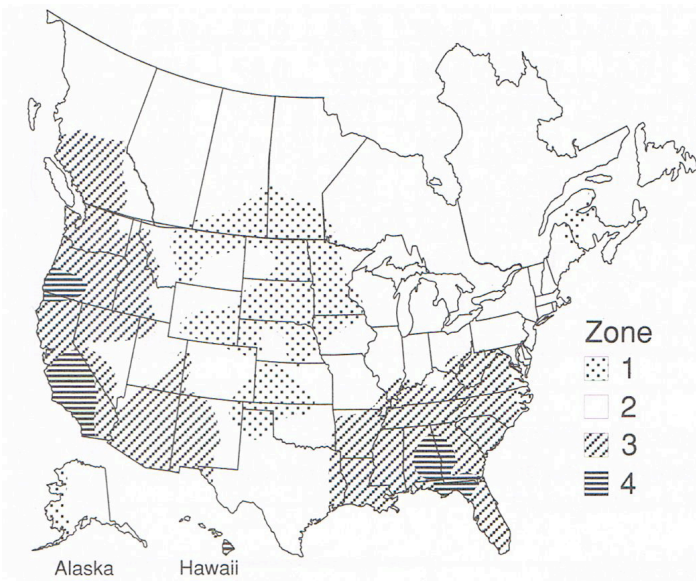
Other

Other

Total existing mechanical exhaust ventilation: 5

If #5 is less than #4, add mechanical exhaust ventilation equal to the difference.

If #5 is GREATER than #4, add passive intake vents to balance existing exhaust.



N Factor					
Climate Zone	# of Stories >	1	1.5	2	3
1	Well-shielded	18.6	16.7	14.9	13.0
	Normal	15.5	14.0	12.4	10.9
	Exposed	14.0	12.6	11.2	9.8
2	Well-shielded	22.2	20.0	17.8	15.5
	Normal	18.5	16.7	14.8	13.0
	Exposed	16.7	15.0	13.3	11.7
3	Well-shielded	25.8	23.2	20.6	18.1
	Normal	21.5	19.4	17.2	15.1
	Exposed	19.4	17.4	15.5	13.5
4	Well-shielded	29.4	26.5	23.5	20.6
	Normal	24.5	22.1	19.6	17.2
	Exposed	22.1	19.8	17.6	15.4

<sup>1</sup> Minimum of 75 CFM answer.