ERRATA SHEET FOR
ANSI/ASHRAE STANDARD 136-1993
A Method of Determining Air Change Rates in Detached Dwellings

March 20, 2003

The corrections listed in this errata sheet apply to the first printing of ANSI/ASHRAE Standard 136-1993 coded "GG 11/93" on the outside back cover. The corrections are included in the latest edition ANSI/ASHRAE Standard 136-1993 (RA 2001) coded "86452 PC 1/02" on the outside back cover.

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5 **Section 4.4 The Combination of Ventilation by Infiltration and Mechanical Ventilation.** In Section 4.4 change the equation to read as follows:

$$\text{"}A_{Ei} = A_{Si} + ((A_{Li} - A_{Si})^2 + A_I^2)^{0.5}\text{"}$$

7 **Informative Appendix B.** In <u>Example #1</u>, Section 1.3, change the equations to read as follows:

$$\text{"}A_{Ei} = A_{Si} + ((A_{Li} - A_{Si})^2 + A_I^2)^{0.5}\text{"}$$

and since $A_{Si} = 0$, then

$$\text{"}A_{Ei} = (A_{Li}^2 + A_I^2)^{0.5}\text{"} \quad \text{and} \quad \text{"}A_{E8} = (0.52^2 + 0.279^2)^{0.5}\text{"}$$

8 **Informative Appendix B.** Replace the table in Section 1.4 with the following:

n	$A_{Ei} = A_{Si} + ((A_{Li} - A_{Si})^2 + A_I^2)^{0.5}$	A_{Ei}	t_i	t_i/A_{Ei}
1	$0 + ((0-0)^2 + 0.279^2)^{0.5}$ (no intermittent fans running)	0.279	8,140	29,176
2	$0 + ((0.13-0)^2 + 0.279^2)^{0.5}$ (main bath only)	0.308	250	812
3	$0 + ((0.15-0)^2 + 0.279^2)^{0.5}$ (second bath only)	0.317	150	473
4	$0 + ((0.24-0)^2 + 0.279^2)^{0.5}$ (kitchen only)	0.368	150	408
5	$0 + ((0.28-0)^2 + 0.279^2)^{0.5}$ (main and second bath)	0.395	20	51
6	$0 + ((0.37-0)^2 + 0.279^2)^{0.5}$ (main bath and kitchen)	0.463	20	43

7	$0 + ((0.39 - 0)^2 + 0.279^2)^{0.5}$ (second bath and kitchen)	0.471	20	42
8	$0 + ((0.52 - 0)^2 + 0.279^2)^{0.5}$ (all fans running)	0.590	10	17
		TOTALS	**8,760**	**31,022**

9   **Informative Appendix B.** In <u>Example #2</u>, Section 2.3, change the equations to read as follows:

$$\text{``}A_{Ei} = A_{Si} + ((A_{Li} - A_{Si})^2 + A_I^2)^{0.5}\text{''}$$

and

$$\text{``}A_{E8} = 0.135 + ((0.655 - 0.135)^2 + 0.279^2)^{0.5} = 0.725 \text{ ACH''}$$

9   **Informative Appendix B.** Replace the table in Section 2.4 with the following:

n	$A_{Ei} = A_{Si} + ((A_{Li} - A_{Si})^2 + A_I^2)^{0.5}$	A_{Ei}	t_i	t_i/A_{Ei}
1	$0.135 + ((0.135 - 0.135)^2 + 0.279^2)^{0.5}$ (no intermittent fans running)	0.414	8,140	19,662
2	$0.135 + ((0.265 - 0.135)^2 + 0.279^2)^{0.5}$ (main bath only)	0.443	250	565
3	$0.135 + ((0.285 - 0.135)^2 + 0.279^2)^{0.5}$ (second bath only)	0.452	150	332
4	$0.135 + ((0.375 - 0.135)^2 + 0.279^2)^{0.5}$ (kitchen only)	0.503	150	298
5	$0.135 + ((0.415 - 0.135)^2 + 0.279^2)^{0.5}$ (main and second bath)	0.530	20	38
6	$0.135 + ((0.505 - 0.135)^2 + 0.279^2)^{0.5}$ (main bath and kitchen)	0.598	20	33
7	$0.135 + ((0.525 - 0.135)^2 + 0.279^2)^{0.5}$ (second bath and kitchen)	0.615	20	33
8	$0.135 + ((0.655 - 0.135)^2 + 0.279^2)^{0.5}$ (all fans running)	0.725	10	14
		TOTALS	**8,760**	**20,975**

9   **Informative Appendix B.** In <u>Example #2</u>, Section 2.5, change equation A_E to read as follows:

$$\text{``}= 8,760/20,975 = 0.418 \text{ ACH''}$$