

Errata to
Advanced Energy Design Guide for Small to Medium Office Buildings (50% AEDG)

July 21, 2015

Shaded items have been added since the previously published errata sheet dated February 19, 2014.

- All 8 climate zone tables in Chapter 4** Under Envelopes/Floors, change all occurrences of “Steel joint” to “**Steel joist.**”
- Page ii:** At the top of the page, change the text that currently reads “This publication was prepared under the auspices of ASHRAE Special Project 133” to “This publication was prepared under the auspices of ASHRAE Special Project 133 **and was supported with funding from DOE through PNNL contract #125060.**”
- Page xiii:** Change the text that currently reads “VRV variable refrigerant volume” to “**VRF variable refrigerant flow.**”
- Page 34:** In the second paragraph, change the sentence that currently reads “Figure 3-13 immediately identifies for the team the energy savings that should be the first point of attack in looking for ECMs. Clearly the heating and cooling energy savings vary significantly by location, so each requires particular attention specific to the climate.” to “**Figure 3-14** immediately identifies for the team the energy savings that should be the first point of attack in looking for ECMs. Clearly the heating and cooling energy savings vary significantly by location, so each requires particular attention specific to the climate.”
- Page 64:** In the paragraph under the heading “Energy Conservation Measures,” change the text that currently reads “variable-refrigerant volume (VRV)” to “**variable refrigerant flow (VRF).**”
- Page 65:** Change the caption for the third photo from “VRV HVAC System on Roof” to “**VRF HVAC System on Roof.**”
- Page 83:** In the climate zone recommendation table for climate zone 1, the VAV DX item in the HVAC section has a typo. It currently reads “VAV DX with Indirect Gas-Fired or Electric...” but should read “VAV DX with Indirect Gas-Fired or **Electric....**”
- Page 83:** In the climate zone recommendation table for climate zone 1, the recommendation for “Sealing” in the section “Ducts and Dampers” currently reads “Seal Class B” but should be changed to “**Seal Class A.**”

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- Page 86:** In the climate zone recommendation table for climate zone 2, the VAV DX item in the HVAC section has a typo. It currently reads “VAV DX with Indirect Gas-Fired or Elextric...” but should read “VAV DX with Indirect Gas-Fired or **Electric....**”
- Page 86:** In the climate zone recommendation table for climate zone 2, the recommendation for “Sealing” in the section “Ducts and Dampers” currently reads “Seal Class B” but should be changed to “**Seal Class A.**”
- Page 89:** In the climate zone recommendation table for climate zone 3, the VAV DX item in the HVAC section has a typo. It currently reads “VAV DX with Indirect Gas-Fired or Elextric...” but should read “VAV DX with Indirect Gas-Fired or **Electric....**”
- Page 89:** In the climate zone recommendation table for climate zone 3, the recommendation for “Sealing” in the section “Ducts and Dampers” currently reads “Seal Class B” but should be changed to “**Seal Class A.**”
- Page 91:** In the climate zone recommendation table for climate zone 4, the value for the Vertical Fenestration SHGC of metal framing windows in the Envelope section is incorrect. It currently reads “Metal framing windows = 0.38.” but should read “Metal framing windows = **0.26.**”
- Page 92:** In the climate zone recommendation table for climate zone 4, the VAV DX item in the HVAC section has a typo. It currently reads “VAV DX with Indirect Gas-Fired or Elextric...” but should read “VAV DX with Indirect Gas-Fired or **Electric....**”
- Page 92:** In the climate zone recommendation table for climate zone 4, the recommendation for “Sealing” in the section “Ducts and Dampers” currently reads “Seal Class B” but should be changed to “**Seal Class A.**”
- Page 94:** In the climate zone recommendation table for climate zone 5, the value for the Vertical Fenestration SHGC of metal framing windows in the Envelope section is incorrect. It currently reads “Metal framing windows = 0.38.” but should read “Metal framing windows = **0.26.**”
- Page 95:** In the climate zone recommendation table for climate zone 5, the recommendation for “Sealing” in the section “Ducts and Dampers” currently reads “Seal Class B” but should be changed to “**Seal Class A.**”
- Page 97:** In the climate zone recommendation table for climate zone 6, the value for the Vertical Fenestration SHGC of metal framing windows in the Envelope section is incorrect. It currently reads “Metal framing windows = 0.38.” but should read “Metal framing windows = **0.35.**”
- Page 98:** In the climate zone recommendation table for climate zone 6, the recommendation for “Sealing” in the section “Ducts and Dampers” currently reads “Seal Class B” but should be changed to “**Seal Class A.**”

- Page 101:** In the climate zone recommendation table for climate zone 7, the recommendation for “Sealing” in the section “Ducts and Dampers” currently reads “Seal Class B” but should be changed to “**Seal Class A.**”
- Page 104:** In the climate zone recommendation table for climate zone 8, the recommendation for “Sealing” in the section “Ducts and Dampers” currently reads “Seal Class B” but should be changed to “**Seal Class A.**”
- Page 109:** The caption for Figure 5-2 currently reads “(a) Filled Cavity; (b) Liner System, One Layer; (c) Liner System, Two Layers” but should read “(a) Filled Cavity; (b) Liner System, **Two Layers**; (c) Liner System, **Three Layers.**”
- Page 152:** The end of the second paragraph under EL21, “Exterior Lighting Power—Parking Lots and Drives,” currently reads “...that will reduce power between 12:00 p.m. and 6:00 a.m. to no more than 50%” but should be corrected to read “...that will reduce power between 12:00 **a.m.** and 6:00 a.m. to no more than 50%.”
- Page 154:** The end of the second paragraph under EL25, “Controls,” currently reads “...when no occupants are present between 12:00 p.m. and 6:00 a.m.” but should be corrected to read “...when no occupants are present between 12:00 **a.m.** and 6:00 a.m.”
- Page 171:** In the first full paragraph on the page, the second sentence, which currently reads “For a typical system, during the period that the coil is inactive, underhumidified OA is delivered to the space” should read “For a typical system, during the period that the coil is inactive, **undehumidified** OA is delivered to the space.”
- Page 179:** The first sentence of HV22, “Duct Sealing and Leakage Testing,” currently reads “The ductwork should be sealed for Seal Class B from ASHRAE/IES Standard 90.1...” but should be corrected to read “The ductwork should be sealed for **Seal Class A** from ASHRAE/IES Standard 90.1...”
- Page 200:** In Table A-1, under Roof Assemblies > Metal Building, the U-factor for 19 + 10 FC currently reads “0.057” but should read “**0.041**”.
- Page 201:** To the first paragraph of Appendix B, add the following as the new third sentence: “**Climate zone information for specific cities in Canada, Mexico, and other international cities can be found in the same appendix and is also available on the AEDG Web page (www.ashrae.org/aedg) in the Additional Information section.**”