

Errata to
Advanced Energy Design Guide for Small Warehouses and Self-Storage Buildings
June 11, 2008

Page 29: In the “Conditioned” column in the next-to-last row of the SWH section, correct the spelling of “tempeatures” to “**temperatures.**”

Page 43: In the BigHorn Home Improvement Center case study table, change the Energy Savings Measures heading “Bonus Savings” to “**Additional Savings**” and change the subheading below it from “Photovoltaics” to “**Solar Energy**” as shown below:

BIGHORN HOME IMPROVEMENT CENTER WAREHOUSE	
Energy Savings Measures	Description of Project Elements
Envelope	
<i>Building Orientation</i>	North-south axis
<i>Opaque Components</i>	Slab and foundation insulation with R-10 ft ² ·°F·h/Btu and thermal breaks installed. Wall R-value at R-19 (insulated cavity between metal studs at 24in.); roof R-value at R-38.
Lighting	
<i>Electric Lighting Design</i>	CFLs with some T-8 fluorescents. Warehouse LPD at 0.6 W/ft ² .
<i>Daylighting</i>	Insulated translucent skylights along ridge of roof. Skylight characteristics: 0.1 U-factor, 0.22 SHGC.
<i>Lighting Controls</i>	Motion sensors in restrooms. Photo sensors in large areas. Stepped lighting controls (five lighting level steps).
HVAC	
<i>Equipment</i>	Gas radiant heaters.
<i>Design Efficiencies</i>	Nine radiant heating zones regulated by EMS with wall- and slab-mounted temperature sensors.
Natural Ventilation	
<i>Design Efficiencies</i>	Natural ventilation via thermostatically controlled clerestory windows and manually operated doors. Effective opening areas on clerestory at 170 ft ² and ground levels at 200 ft ² .
<i>Additional Controls</i>	Carbon monoxide (CO) sensors activate roof-mounted exhaust fans when ventilation from vehicle exhaust is needed.
Additional Savings	
<i>Solar Energy</i>	Transpired solar collector installed on south wall of warehouse to minimize the load on other heating systems in the warehouse space.

Page 70: Change the number in the title of the fourth item in the references from “RP-2-01” to “**RP-7-01.**”

Page 71: Update the IESNA titles with the specific document titles as follows:

- IESNA. 1994. *IESNA DG-5-94, Recommended Lighting for Walkways and Class 1 Bikeways. Recommended Practices and Design Guidelines*. New York: Illuminating Engineering Society of North America.
- IESNA. 1998. *IESNA RP-20-1998, Lighting for Parking Facilities. Recommended Practices and Design Guidelines*. New York: Illuminating Engineering Society of North America.
- IESNA. 1999. *IESNA RP-33-99, Lighting for Exterior Environments. Recommended Practices and Design Guidelines*. New York: Illuminating Engineering Society of North America.
- IESNA. 2003. *IESNA G-1-03, Guideline on Security Lighting for People, Property and Public Spaces. Recommended Practices and Design Guidelines*. New York: Illuminating Engineering Society of North America.

Page 92: Update the following IESNA titles with the specific document titles as indicated:

- IESNA. 1994. *IESNA DG-5-94, Recommended Lighting for Walkways and Class 1 Bikeways. Recommended Practices and Design Guidelines*. New York: Illuminating Engineering Society of North America.
- IESNA. 1998. *IESNA RP-20-1998, Lighting for Parking Facilities. Recommended Practices and Design Guidelines*. New York: Illuminating Engineering Society of North America.
- IESNA. 1999. *IESNA RP-33-99, Lighting for Exterior Environments. Recommended Practices and Design Guidelines*. New York: Illuminating Engineering Society of North America.
- IESNA. 2003. *IESNA G-1-03, Guideline on Security Lighting for People, Property and Public Spaces. Recommended Practices and Design Guidelines*. New York: Illuminating Engineering Society of North America.

Errata to
Advanced Energy Design Guide for Highway Lodging
January 4, 2010

- Page x:** In the Abbreviations and Acronyms list the explanation of the abbreviation “ls” is listed as “linear systems” but should be listed as “**liner systems.**”
- Page 35:** In the “Roof” row under the column heading “Conditioned,” the R-values listed for “Metal building” read “R-11.0+ R-30.0 ls” but should read “**R-30.0 +R-11.0 ls.**”
- Page 88:** In Table A-1, the last item listed under “Metal Building” under the “Roof Assemblies” column reads “11+19 ls” for the R-value and “0.0354” for the U-factor but should read “**30 + 11 ls**” for the R-value and “**0.029**” for the U-factor.