

ERRATA SHEET FOR ASHRAE GUIDELINE 16-2018
Selecting Outdoor, Return, and Relief Dampers
for Air-Side Economizer Systems

August 14, 2020

The corrections listed in this errata sheet apply to all copies of ASHRAE Guideline 16-2018. The first printing is identified as “Product code: 86849 4/18” on the outside back cover. **Shaded** items have been added since the previously published errata sheet dated July 27, 2018 was distributed.

Page **Erratum**

2 **3.1** In Section 3.1 add a superscript 1 at the end of the sentence as shown below.

3.1 Definitions of most terms used in this guideline can be found in *ASHRAE Terminology of Heating, Ventilation, Air Conditioning, & Refrigeration* (ASHRAE 1991).¹

5 **4.2.2** In Section 4.2.2 change the superscript from “1” to “a” as shown below.

4.2.2 Example Control Sequence^a

6 **Footnote 1** In footnote 1 in the bottom left column of page 6 change the superscript from “1” to “a” as shown below.

a. Due to the potential for interaction between the building pressurization and return fan control loops, extra care must be taken in selecting the parameters that determine the dynamic response of the digital filters and feedback controllers. To prevent excessive control loop interaction, the closed loop response time of the building pressurization loop should not exceed one-fifth of the closed loop response time of the return fan control loop. This can be accomplished by decreasing the gain of the building pressurization controller. To prevent fluctuations in outdoor-air pressure attributed to wind gusts from exciting the control systems, digital filters should be configured to reject input spikes and/or provide a moving average of the building’s differential pressure signal.

8 **4.4.3.2** In Section 4.4.3.2 change the reference to Section “4.3.3.2” to “4.3.3.3” as shown below. (Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

4.4.3.2 Select the economizer outdoor-air damper (D-3) as instructed in Section 4.3.3.3 ~~4.3.3.2~~.

9 **6. References** Add Reference 4 to Section 6 as shown below.

(Note: Additions are shown in underline.)

⁴. 2005 ASHRAE Handbook—Fundamentals, Chapter 15, Figure 13, p. 15.6.