

**ERRATA SHEET FOR ANSI/ASHRAE/ASHE STANDARD 170-2021
Ventilation of Health Care Facilities**

October 3, 2023

The corrections listed in this errata sheet apply to ANSI/ASHRAE/ASHE Standard 170-2021. The first printing is identified on the outside back cover as “Product code: 86536 3/21”. **Shaded** items have been added since the previously published errata sheet dated February 7, 2023 was distributed.

Page Erratum

- 9** **6.3.2.1 General.** Revise the Exception to 6.3.2.1(a) as shown below.
(Note: Deletions are shown in ~~strikethrough~~.)
- 6.3.2 Exhaust Discharges**
- 6.3.2.1 General.** Exhaust discharge outlets that discharge air from AII rooms, bronchoscopy and sputum collection and pentamidine administration rooms, emergency department public waiting areas, nuclear medicine hot labs, radiology waiting rooms programmed to hold patients who are waiting for chest x-rays for diagnosis of respiratory disease, pharmacy hazardous-drug exhausted enclosures, and laboratory work area chemical fume hoods shall
- a. be designed so that all ductwork within the building is under negative pressure.
- Exception to 6.3.2.1(a):** Ductwork located within mechanical equipment rooms. Positive-pressure exhaust ductwork located within mechanical equipment rooms shall be sealed in accordance with SMACNA duct ~~leakage~~ Seal Class A².
[...]
- 14** **Table 7-1 Design Parameters—Inpatient Spaces.** In Table 7-1 change the heading “NURSING UNITS AND OTH & ER PATIENT CARE AREAS” to “NURSING UNITS AND OTHER PATIENT CARE AREAS”.
- 15** **Table 7-1 Design Parameters—Inpatient Spaces.** In Table 7-1 for Seclusion room in Behavioral and Mental Health Facilities change Minimum Outdoor ach to 2 and Minimum Total ach to 4 as shown in the attached. Changes highlighted in yellow.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)
- 23** **7.4.1 Operating Rooms (ORs), Operating/Surgical Cystoscopic Rooms, Caesarean Delivery Rooms, and Class 3 Imaging Rooms.** In Section 7.4.1 delete item “c” and re-letter item “d” as “c” as shown below.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)
- [...]
- ~~e.~~ In operating rooms designated for orthopedic procedures, transplants, neurosurgery, or dedicated burn unit procedures, HEPA filters shall be provided.
- c. In ORs or Class 3 imaging rooms designated for orthopedic procedures, transplants, neurosurgery, or dedicated burn unit procedures, HEPA filters shall be provided and located in the air terminal device.
- 26** **Table 8.1 Design Parameters – Specialized Outpatient Spaces.** For Sterilizer

equipment room change the Air Recirculated by Means of Room Units listed in Table 8.1 from “No” to “NR” as shown in the attached. Changes highlighted in yellow.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

- 26 **Table 8-1 Design Parameters—Specialized Outpatient Spaces.** Remove the FGI reference for Specialty IC exam room in Table 8-1 as shown in the attached. Changes highlighted in yellow.
(Note: Deletions are shown in ~~strikethrough~~.)
- 29 **Table 8-2 Design Parameters—General Outpatient Spaces (q).** Remove the FGI reference for Specialty IC exam room in Table 8-2 as shown in the attached. Changes highlighted in yellow.
(Note: Deletions are shown in ~~strikethrough~~.)
- 33 **Table 9-1 Design Parameters for Residential Health, Care, and Support-Specific Spaces.** In Table 9-1 revise all Design Temperature ranges “70-78 °F/21-29 °C” to “70-78 °F/21-26 °C” as shown in the attached Table 9-1. Changes highlighted in yellow.
(Note: Additions are shown in underline and deletions are shown in ~~strikethrough~~.)

Table 7-1 Design Parameters – Inpatient Spaces (Continued)

Function of Space (ee)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Unoccupied Turndown	Minimum Filter Efficiencies (cc)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
BEHAVIORAL AND MENTAL HEALTH FACILITIES (k)									
Seclusion room (FGI 2.1–2.4.3 & 2.2–2.12.4.3)	NR	4-2	2-4	NR	NR	Yes	MERV-8	NR	NR

Table 8-1 Design Parameters—Specialized Outpatient Spaces

Function of Space (f)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Minimum Filter Efficiencies (c)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
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DIAGNOSTIC AND TREATMENT (Continued)

Specialty IC exam room (FGI 2.1–3.2.1.3) (y)	Negative	2	6	Yes	NR	MERV-8	Max 60	70–75/21–24
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Table 8-1 Design Parameters—Specialized Outpatient Spaces

Function of Space (f)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Minimum Filter Efficiencies (c)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
STERILE PROCESSING (aa)								
Sterilizer equipment room (FGI 2.1-4.3.2.2)	Negative	NR	10	Yes	NR-No	MERV-8	NR	NR

Table 8-2 Design Parameters—General Outpatient Spaces (q)

Function of Space (f)	Pressure Relationship to Adjacent Areas (d)	ach Design Option		All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Min. Filter Efficiencies (c)	Design RH% (i)	Design Temperature °F/°C (k)	R_p - R_a Air-Class Design Option			
		Min. Outdoor ach (q)	Min. Total ach (q)						Air Class (q)	R_p cfm/(L·s)/ person and Min. Space Population (q)	R_a cfm/ft/(L·s/m) (q)	
GENERAL DIAGNOSTIC AND TREATMENT												
Specialty IC exam room (FGI 2.5-3.2.3) (b)	Negative	2	3	Yes	NR	MERV-8	Max 60	70–75/21–24	3	10 (5) / 3	0.18 / (0.9)	

Table 9-1 Design Parameters for Residential Health, Care, and Support-Specific Spaces

Function of Space (f)	Pressure Relationship to Adjacent Areas (n)	Minimum Outdoor ach	Minimum Total ach	All Room Air Exhausted Directly to Outdoors (j)	Air Recirculated by Means of Room Units (a)	Minimum Filter Efficiencies (c)	Design Relative Humidity (k), %	Design Temperature (l), °F/°C
RESIDENTIAL HEALTH								
NURSING HOMES								
All room (FGI 3.1-2.2.4.1) (b)	Negative	2	12	Yes	No	MERV-14	Max 60	70–78/21– 26 29
All anteroom (FGI 3.1-2.2.4.1) (b)	Negative	NR	10	Yes	No	MERV-14	Max 60	70–78/21– 26 29
Occupational therapy (FGI 3.1-3.3.3)	NR	2	6	NR	NR	MERV-14	NR	70–78/21– 26 29
Physical therapy (FGI 3.1-3.3.2)	Negative	2	6	NR	NR	MERV-14	NR	70–78/21– 26 29
Resident living/activity/dining (FGI 3.1-2.3.3)	NR	4	4	NR	NR	MERV-14	Max 60	70–78/21– 26 29
Resident room (FGI 3.1-2.2.2)	NR	2	2	NR	NR	MERV-14	Max 60	70–78/21– 26 29
Resident corridor (FGI 2.4-2.2.2)	NR	NR	4	NR	NR	MERV-14	NR	70–78/21– 26 29
Toilet/bathing room (FGI 3.1-2.2.2.6)	Negative	NR	10	Yes	No	MERV-14	NR	70–78/21– 26 29
HOSPICE FACILITIES								
All room (FGI 3.2-2.2.3.1) (c)	Negative	2	12	Yes	No	MERV-14	Max 60	70–75/21–24
All anteroom (FGI 3.2-2.2.3.1) (c)	(e)	NR	10	Yes	No	MERV-8	Max 60	NR
Resident room (FGI 3.2-2.2.2)	NR	2	2	NR	NR	MERV-8	Max 60	70–75/21–24
Resident corridor (FGI 2.4-2.2.2)	NR	NR	4	NR	NR	MERV-8	NR	NR
Toilet/bathing room (FGI 3.2-2.2.2.6)	Negative	NR	10	Yes	No	MERV-8	NR	70–75/21–24
RESIDENTIAL CARE AND SUPPORT								
ASSISTED LIVING FACILITIES								
Resident living/activity/dining (FGI 4.1-2.3.3)	NR	NR	NR	NR	NR	MERV-8	NR	NR
Resident room (FGI 4.1-2.2.2)	NR	NR	NR	NR	NR	MERV-8	NR	70–78/21– 26 29
Resident corridor (FGI 2.4-2.2.2)	NR	NR	NR	NR	NR	MERV-8	NR	NR
Toilet/bathing room (FGI 4.1-2.2.2.7)	NR	NR	NR	NR	NR	MERV-8	NR	NR
SERVICE								

Clean linen storage (FGI 2.3-4.6)	Positive	NR	2	NR	NR	No	MERV-8	NR	72-78/22-26
Dietary storage (FGI 2.3-4.5)	NR	NR	2	NR	No	No	MERV-8	NR	72-78/22-26
Food preparation center (FGI 2.3-4.5.3.3) (e)	NR	2	10	NR	No	Yes	MERV-8	NR	72-78/22-26
Hair salon (FGI 2.3-2.3.5 & 4.1-2.3.5)	Negative	NR	10	Yes	NR	Yes	MERV-8	NR	70-78/21-2629
Laundry, central and personal (FGI 2.3-4.2.7)	Negative	2	10	Yes	No	No	MERV-8	NR	NR
Linen and trash chute room (FGI 2.3-4.6 & 2.3-4.9)	Negative	NR	10	Yes	No	No	MERV-8	NR	NR
Medication room (FGI 2.3-4.2.2.2)	NR	2	4	NR	NR	Yes	MERV-8	Max 60	70-75/21-24
Soiled linen sorting and storage (FGI 2.3-4.6)	Negative	NR	10	Yes	No	No	MERV-8	NR	NR
Warewashing (FGI 2.3-4.5.3.6)	Negative	NR	10	Yes	No	Yes	MERV-8	NR	NR
SUPPORT SPACE									
Clean utility (FGI 2.3-4.2.5)	Positive	2	4	NR	NR	No	MERV-8 (k)	NR	NR
Environmental services room (FGI 2.3-4.9) (j)	Negative	NR	10	Yes	NR	No	MERV-8	NR	NR
Hazardous waste storage (FGI 2.3-4.8)	Negative	2	10	Yes	No	No	MERV-8	NR	NR
Soiled utility or soiled holding (FGI 2.3-4.2.6)	Negative	2	10	Yes	No	No	MERV-8	NR	NR