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Laboratory Standard & Design Guide is a resource document for use by faculty, staff, and design professionals during the planning and early design phases of a project. ... References include regulations (e.g., Cal/OSHA and Fire Code), consensus standards (e.g., ANSI/ASHRAE), and good practices. Good practices stem from industry.



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## **Laboratory Standard & Design Guidelines - Stanford Environmental Health ...**

ANSI/ASHRAE Standard  
188-2021 Legionellosis:  
Risk Management for  
Building Water  
Systems. Provides  
minimum legionellosis  
risk management  
requirements for the  
design, construction,  
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maintenance, repair, replacement, and expansion of new and existing buildings and their associated (potable and nonpotable) water systems and components.

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Cleanroom design is a  
challenging field  
dominated by the need  
for high reliability, ...  
National Laboratory  
suggests that air  
change rates can be  
lower than what is  
currently ... •

Schneider, R.,  
“Designing Cleanroom  
HVAC Systems,”

ASHRAE Journal V.43,

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No. 8, pp. 39-46,  
August 2001.

## **Cleanroom Design Guide - Lawrence Berkeley National Laboratory**

ASHRAE 110 has become the standard for testing fume hood containment since its inception in 1985. It is used not only by manufacturers during development and design, but also as an informal criteria for

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purchasing a fume hood for many labs, and as a method of performance evaluation and certification for fume hoods being installed.

## **What is ASHRAE 110-2016? - Labconco**

The goal of 'Whole Building' Design is to create a successful high-performance building. ... 2022

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National Institute of  
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105, Standard Methods  
of Determining,  
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Energy Performance  
and Greenhouse Gas  
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Standard for the  
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Buildings "ASHRAE  
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Minimum filter efficiencies are specified in Table 6-4 of ASHRAE Standard

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170-2013. Minimum efficiency reporting values (MERV) are based on the method of testing described in ANSI/ASHRAE Standard 52.2: Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size. MERV-A ratings are based on a test described ...

## **Air Filtration | ASHE**

Ventilation is the

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intentional introduction of outdoor air into a space. Ventilation is mainly used to control indoor air quality by diluting and displacing indoor pollutants; it can also be used to control indoor temperature, humidity, and air motion to benefit thermal comfort, satisfaction with other aspects of indoor environment, or other objectives.

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## **Ventilation (architecture) - Wikipedia**

Passive ventilation is the process of supplying air to and removing air from an indoor space without using mechanical systems. It refers to the flow of external air to an indoor space as a result of pressure differences arising from natural forces.. There are two types of natural ventilation

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occurring in buildings:  
wind driven ventilation  
and buoyancy-driven  
ventilation.

## **Passive ventilation - Wikipedia**

4.2.4 LABORATORY

4.2.5 PROCEDURE

ROOM 4.2.6

DIAGNOSTIC IMAGING

ROOM ... This manual

is a guide for

Architects, Engineers

and Lighting Design

Professionals ... ANSI /

ASHRAE / IES Standard

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