Health, Wellness, Your Building and You: What Does WELL Building Standard Mean for Higher Education

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“green” sustainability LEED
Woodstock North High School District 200 / Accessible green roof over science Lab
Joliet Junior Community College / Campus Center / Accessible green roof garden
Moraine Valley Community College / Southwest Education Center / Accessible green roof garden and educational space
what’s next?

2017
sustainability & energy
resilience & adaptation
health & wellness
LIVING BUILDING CHALLENGE<sup>SM</sup> 3.1
A Visionary Path to a Regenerative Future

INTERNATIONAL LIVING FUTURE INSTITUTE<sup>SM</sup>
THE WELL BUILDING STANDARD

INTERNATIONAL WELL BUILDING INSTITUTE

IGEN 20170322 – Health, Wellness, Your Building and You
Levels of WELL Certification
### INTENT

The WELL Building Standard for Air promotes clean air through reducing or minimizing the sources of indoor air pollution, requiring optimal indoor air quality to support the health and well-being of building occupants.

### AIR FEATURE LEVEL MATRIX

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### AIR QUALITY STANDARDS

Pollutants generated indoors can lead to a variety of symptoms and health conditions. Volatile organic compounds (VOCs), combustion byproducts and airborne particulate matter are known to trigger nausea, headaches, asthma, respiratory irritation and allergies. While ambient outdoor air is often better quality, natural ventilation methods, operable doors and windows, and general building envelope infiltration can diminish indoor air quality if external air quality parameters are poor.

This feature requires an assessor to complete a performance test after occupancy as an independent means of verifying that the building, whether naturally or mechanically ventilated, is meeting critical air quality requirements.

### PART 1: STANDARDS FOR VOLATILE SUBSTANCES

The following conditions are met:

1. Formaldehyde levels less than 10 ppb.
2. Total volatile organic compounds less than 500 µg/m³.

### PART 2: STANDARDS FOR PARTICULATE MATTER AND INORGANIC GASES

The following conditions are met:

1. Carbon monoxide less than 9 ppm.
2. PM₁₀ less than 15 µg/m³.
3. PM₂.₅ less than 50 µg/m³.
4. Ozone less than 81 ppb.

### PART 3: RADON

The following conditions are met in projects with regularly occupied spaces at or below grade:

1. Radon less than 4 pCi/L in the lowest occupied level of the project.
Create **optimal indoor air quality** to support the health and well-being of building occupants.
water
water
water
water
water
water
water
nourishment

Require the availability of fresh, wholesome foods, limit unhealthy ingredients and **encourage better eating habits** and food culture.
nourishment

Require the availability of fresh, wholesome foods, limit unhealthy ingredients and encourage better eating habits and food culture.
nourishment

College of Lake County/ Student Café with abundant daylight and views to nature
Provide illumination guidelines to **minimize disruption to the body’s circadian system**, enhance productivity and provide appropriate visual acuity where needed. It also requires specialized lighting systems designed to increase alertness, enhance occupant experience and **promote sleep**.
light

Moraine Valley Community College / Southwest Education Center / Classroom with natural light, views and daylight harvesting
light

Joliet Junior College / Campus Center / Student Café with abundant daylight and views to nature
light

Joliet Junior College / Campus Center / Boardroom with abundant daylight and views to nature
comfort

Establish requirements designed to create distraction-free, productive and comfortable indoor environments.
fitness

Promotes the **seamless integration of physical activity into everyday life** by providing the opportunities and support for an active lifestyle and **discouraging sedentary behaviors**.
mind

Require design, technology and treatment strategies designed to provide a **physical environment that optimizes cognitive and emotional health.**
mind
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air
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nourishment
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thank you!

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