

# TOP 5 WAYS TO BUILD GREENER & BETTER FROM THE INSIDE OUT

## What is green or sustainable building?

The practice of creating and using healthier and more resource-efficient models of construction, renovation, operation, maintenance and demolition.<sup>1</sup>

## Why use green building methods?

To reduce impact on the environment and improve the health and safety of workers and building occupants.

## How do you achieve green building?

Collaborate with all involved in the design, construction, maintenance and management processes – including the client, architects, engineers and material fabricators.

## What goes into green building?



### 1

## Resource Efficiency & Renewable Energy

**118 x MORE**

Renewable energy sources can produce 118 times more electricity than is currently consumed by the nation.<sup>2</sup>



Use water, metals, timber, minerals and fresh air in sustainable ways



Use renewable energy sources such as solar power, wind power and geothermal heat



Consider all of Earth's resources during design, build and maintenance phases

### 2

## Toxin Reduction for Workers & Occupants

**x 1 MILLION**

An estimated 11 million people were exposed to asbestos in the mid 1990s, which has been associated with a variety of health problems.<sup>3</sup>



Prevent water seepage and mold spore production with green building design and materials



Test and carefully remove mold and lead paint prior to building modifications



Check piping insulation, shingles and floor tiles for lead contamination

### 3

## Improved Indoor Air Quality



**OVER 4.3 MILLION PEOPLE**

Over 4.3 million people die each year from exposure to indoor air pollution caused by particles emitted from paints and materials that are not eco-friendly.<sup>3</sup>



Monitor and rectify silent and invisible pollutants such as radon and carbon monoxide



Reduce off-gassing from paints, cabinetry and carpets through sustainable choices



Improve worker efficiency, opportunity cost, quality of life and reduce sick time expenses

### 4

## Reduced Construction Waste



**534 MILLION TONS**

534 million tons of construction waste was produced in 2014, more than twice the amount of municipal solid waste.<sup>4</sup>



Utilize standard sizes in the design phase to reduce waste created during installation



Use high-quality and engineered products to reduce material flaws and rejects



Secure proper disposal and recycling bins on-site and provide worker education

Lumber, masonry, cardboard, plastics, metals and roofing materials may be eligible for recycling

### 5

## Eco-Friendly, Green Building Materials



**65,000 PROJECTS**

The number of LEED-certified projects rose from 296 in 2006, to over 65,000 so far in 2017.<sup>5</sup>



Use green building materials that meet LEED accreditation standards

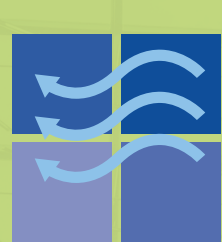


Earn points toward the building's green building rating and LEED certification



Consider products that are ASTM tested and approved as a superior-quality product

## Key ASTM Tests & Approvals



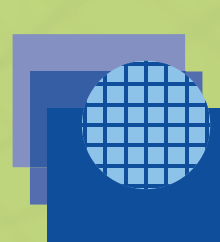
**ASTM E283-04**

Rate of air infiltration through exterior windows



**ASTM E331-00**

Water penetration of exterior windows, skylights, doors and curtain walls by uniform static pressure difference



**ASTM E330-02**

Structural performance of exterior windows, skylights, doors and curtain walls by uniform static pressure difference



**AAMA 508-07**

Structural performance of pressure-equalized rain screen cladding



**FABLOGIC**

a BAMCO inc. product

All FABLOGIC metal composite wall panels meet LEED accreditation standards, which helps earn points toward the building's Green Building rating — and ultimately LEED certification. The FABLOGIC systems are fabricated using lean manufacturing principles and are ASTM tested and approved, guaranteeing a superior-quality product that withstands the test of time.

[www.fablogic.com](http://www.fablogic.com) | 800.245.0210 | [info@fablogic.com](mailto:info@fablogic.com)

### Sources

1. United States Environmental Protection Agency  
2. Union of Concerned Scientists, Benefits of Renewable Energy Use  
3. Asbestos.com, Mesothelioma Statistics

4. United States Environmental Protection Agency, Sustainable Management of Construction and Demolition Materials  
5. Statista, Cumulative number of LEED registrations in the U.S. from 2000 to 2017