

The All Wall System™ and LEED:

The “Leadership in Energy and Environmental Design” (LEED) is quickly becoming the most responsible standard for commercial and residential construction in the United States. This standard promotes high performance green building design that recognizes the life cycle costing of construction both economically and environmentally. As the green building sector grows exponentially, more and more building professionals, owners, and operators are seeing the benefits of green building and LEED certification. Green design not only makes a positive impact on public health and the environment, it also reduces operating costs, enhances building and organizational marketability, potentially increases occupant productivity, and helps create a sustainable community.

The four levels of LEED-NC version 2.2 certification and the required points:

Certified	26-32 Points
Silver	33-38 Points
Gold	39-51 Points
Platinum	52-69 Points

There are six categories for design and performance, sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, and innovation & design process.

The ALL WALL SYSTEM™ attains high points in the last four LEED categories which are;

ENERGY & ATMOSPHERE

Whole building energy simulation (1-10 points)

By demonstrating a percentage improvement in the proposed building performance as compared to a baseline building performance per ASHRAE/IESNA Standard 90.1-2007, you will be able to attain 8 points for 35% or 10 points for 42%. ALL WALL SYSTEM™ wall forms range up to R-23 insulation and reduction in air infiltration contribute to the achievement of the maximum points in this category.

MATERIALS & RESOURCES

Construction Waste Management (2 points)

One point is earned if 50% of the job site waste material is recycled, and two points are earned if 75% of the job site waste material is recycled. ALL WALL SYSTEM™ Structural Concrete Forms are manufactured off site, there is little to no jobsite waste.

Recycled Content (2 points)

You will be able to attain 1 point if 10% of the materials and products used, based on value, use recycled content. You will be able to attain 2 points if 20% of the materials use recycled content. All materials used by ALL WALL SYSTEM™ are composed of at least 40% recycled content.

Local/Regional Materials (2 points)

LEED encourages the construction industry to increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the regional economy and reducing the environmental impacts resulting from transportation. The materials that are used in manufacturing the ALL WALL SYSTEM™ Forms fall within the 500 mile LEED Regional limit. Our product is manufactured by trained and certified licensees throughout the USA and shipped to jobsites within their regional limit.

INDOOR ENVIRONMENTAL QUALITY

Construction IAQ Management Plan during Construction (1 point)
Problems encountered during the construction or renovation process can contribute to indoor air quality concerns. ALL WALL SYSTEM™ Forms are built using extruded polystyrene limiting the transmission of moisture through the building envelope. Because of the inert materials used, these Forms also reduce the potential for mold and mildew. By building offsite in a controlled environment, ALL WALL SYSTEM™ dramatically reduces typical construction dust and airborne contaminants.

Thermal Comfort (1 point)

ALL WALL SYSTEM™ Structural Concrete Forms are an insulated concrete wall system that provides edge to edge insulation, thus eliminating convective looping and thermal bridging, while reducing air infiltration and increasing the overall effective R-value of the building envelope.

INNOVATION & DESIGN PROCESS (4 points)

The LEED Green Building Rating System encourages the construction industry to provide design teams and projects the opportunity to be awarded points for exceptional performance above the requirements set by this rating system and/or innovative performance in Green Building Categories not specifically addressed in the LEED Green Building Rating System. Certainly the strength inherent in the ALL WALL SYSTEM™ plays a role in the environmental performance of the structure. You will be constructing your project with recycled materials that are able to withstand wind speeds in excess of 250 M.P.H., and impact in excess of 150 M.P.H., while still providing a lifetime of consistent energy efficiency and structural performance unmatched by conventional construction materials.

ALL WALL SYSTEM™ Structural Concrete Forms offers you a cost competitive way to attain up to 22 points of a minimum 26 points required to obtain LEED-NC Certification!

Responsible Architects, Engineers, Developers, Builders, and Owners have begun to realize that it is the economic and environmental whole life cycle of a project and not the initial bottom line that truly matters. Local and national governments continue to improve building codes, and offer major tax credits, incentives, grants, and fast tracking through permitting for building “Green”. The national trend towards “Green Building” awareness is gaining popularity exponentially, so much so that real estate organizations have adopted a “Green Home” certified category. There is documented proof that environmentally friendly projects command a higher market price and demand. Operating costs are reduced from the first month through the life of the project. This has prompted national mortgage companies to offer “Green Mortgages”, qualifying more clients and increasing their purchasing power. ALL WALL SYSTEM™ certified “Fortified Construction” also reduces the increasing cost of homeowner insurance, commercial insurance, and builder insurance. By stopping water intrusion, mold, and mildew, ALL WALL SYSTEM™ Forms contributes to the overall health of families, and employee’s productivity. ALL WALL SYSTEM™ speed of construction reduces cycle time thereby reducing the increasing cost of construction loans.

When looking at all of these factors, building your project with ALL WALL SYSTEM™ Structural Concrete Forms costs less monetarily, protects your family and/or employees, and is a significant start to save the environment for future generations.