



LEED v4 Contribution Credits

**For submittals or
additional information
on All Steel Mid-Rise
Systems, please contact
All Steel Mid-Rise.**

**833-MIDRISE (643 7473)
info@allsteelmidrise.com
allsteelmidrise.com**

Steel, one of the world's most sustainable construction materials, can be endlessly recycled without losing quality. This coupled with its strength and durability, make it truly compatible with long-term sustainable development.

Each year, more steel by weight is recycled in North America than paper, plastic, aluminum and glass, combined. In 2012 alone, 88 million tons of steel were recycled in North America.

- Recycling steel saves the energy equivalent to power 20 million homes for one year.
- Today, 97 percent of steel by-products are re-used.
- Steel is the only true cradle-to-cradle building material as it can be continuously recycled without any quality loss. All Steel Mid-Rise systems are made with 90% recycled content materials.
- Steel is durable and inert, and will not rot or house pests. Coated cold-formed steel has built-in corrosion resistance that lasts hundreds of years. CFS framing does not require maintenance or replacement.
- Steel produces little to no construction waste, unlike other structural materials. All Steel Mid-Rise systems are delivered to building sites in ready for installation, minimizing costs and waste.

CFS is recognized in all major green building standards and rating programs, including the National Green Building Standard (ICC-700) for residential buildings, ASHRAE Standard 189.1 for commercial construction, the International Green Construction Code (IgCC), and the US Green Building Council's LEED program, which covers all types of buildings.

MR Credit
Building Product Disclosure and Optimization—Sourcing of Raw Materials
1 Point

INTENT

To encourage the use of products and materials for which life cycle information is available and that have environmentally, economically, and socially preferable life cycle impacts. To reward project teams for selecting products verified to have been extracted or sourced in a responsible manner.

APPLICATION

Structural material, such as CFS, can contribute a maximum of 1/2 of the cost to this credit. All Steel systems are constructed with products and materials for which life cycle information is available. A point can be obtained using the Recycled Content responsible extraction criteria under Option 2.

All Steel supports Supply Chain Transparency and use materials that are compliant with The California Transparency in Supply Chains Act and for the Dodd-Frank Bill Section 1502, better known as the Conflict Minerals Requirement.

MR Credit
Construction and Demolition Waste Management
Up to 2 Points

INTENT

To reduce construction and demolition waste disposed of in landfills and incineration facilities by recovering, reusing, and recycling materials.

APPLICATION

All Steel Systems are manufactured from cold-formed steel, which is 100% recyclable. This attribute can help when diverting construction debris from the waste stream. Specific contributions will vary by project and must be determined by the contractor. This credit has two options but only one can be applied to a given project.

- Option 1 is based on achieving a reduction in construction waste going to a landfill. Cold-formed steel framing is 100% recyclable, an attribute that can contribute toward the 50% diversion rate for the first point and 75% for the second point. However, steel can only be counted as one of the three products in the first case and four in the second case that are required to achieve these points. Although steel's recyclability can contribute to the points in Option 1, it makes an even better contribution toward achieving the two points under option 2 of this credit.
- Under option 2, the total project waste must be less than 2.5 pounds per square foot of floor area of the building. All Steel Mid-Rise CFS systems are constructed ready for installation. Thus, it can be a critical contributor to the two points under this option compared to other structural materials that contribute extensive amounts of waste at the construction site.

MR Credit
Building Product Disclosure & Optimization — Environmental Product Declarations
Up to 2 Points

INTENT

To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products from manufacturers who have verified improved environmental life-cycle impacts.

APPLICATION

Achieved through an Environmental Product Declaration (EPD) which is compiled from a life cycle assessment (LCA) that is developed according to the rules put forth in the product category rule (PCR).

In this category, credits are earned when at least 20 installed products from at least five manufacturers provide an EPD. All Steel Systems have product specific Type III Environmental Product Declarations (EPDs) which conform to ISO 14025, 14040, 14044, and EN 15804 or ISO 21930 and has a cradle to gate scope.

A second option provides for an additional credit when the value of products covered by the EPD represents 50% of the project cost.

MR Credit
Design for Flexibility
1 point

INTENT

Conserve resources associated with the construction and management of buildings by designing for flexibility and ease of future adaptation and for the service life of components and assemblies.

APPLICATION

This credit, although limited to health care buildings, allows one point for efficient use of space including future expansion. Cold-formed steel can be used for at least two of the strategies that can be employed to earn this point (only one strategy is required). One strategy involves building extra shell space that can be used to expand into later. The second allows roof-top expansion to award this point. Because of its light weight, CFS has been used successfully for roof top expansion for urban infill projects.

EQ Credit
Low Emitting Materials
1 point

INTENT

To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.

APPLICATION

CFS can contribute directly to obtaining the first point that requires at least two components of the building to meet the low emitting material requirements. Because steel is inert, the criteria specifically considers it to be non-emitting.

EQ Credit
IAQ Assessment
2 points

INTENT

To establish better quality indoor air in the building after construction and during occupancy.

APPLICATION

The second option under this credit awards two points to buildings that successfully pass air quality testing. Steel will not contribute to the emissions that are required to be tested and should be a preferred choice for the structures for those seeking points under this credit.

IN Credit
Innovation
2 Points

INTENT

To encourage exceptional performance for current credits and promote innovative performance in pioneering areas.

APPLICATION

Achieve exemplary performance in an existing prerequisite or credit that allows exemplary performance. An exemplary performance point is typically earned for achieving double the credit requirements or the next incremental percentage threshold.