

January 1, 2016

## Re: LEED Information & Requirements — Recycled Content of Cold-Formed Steel

California Expanded Metal Products Company is proud to be a member of the U.S. Green Building Council and is committed to supplying products that contribute to the improvement of sustainable design, environmental performance, and economic impact for LEED New Construction and Major Renovations. CEMCO products and accessories contribute toward LEED credits in the following areas:

### LEED Materials & Resources

#### MR Credit 2.1/2.2 — Construction Waste Management (Up to 2 Points)

Since cold-formed steel is 100% recyclable, CEMCO products can contribute to this credit if the construction waste on the project is properly diverted from the waste stream. The contribution to this credit will vary by project and must be determined by the general contractor and/or sustainable design team.

#### MR Credit 4.1/4.2 — Recycled Content (2 Points)

The U.S. Green Building Council has determined that a total recycled content of 36.9% may be utilized without documentation. A typical breakdown content of our material is:

**Post-Consumer: 19.8%, Pre-Consumer: 14.4%**

*Note: While some CEMCO locations have a higher average recycled content, the USGBC default percentages above are recommended for your project calculations. Project specific recycled content can be provided upon request.*

#### MR Credit 5.1/5.2 — Regional Materials (2 Points)

CEMCO is committed to the goal of increasing demand for building materials that are sourced, manufactured and distributed within the specified region; thereby reducing the environmental impacts resulting from transportation.

While CEMCO has 4 manufacturing facilities serving the Western United States and the steel coil material that we utilize to cold-form our products is typically sourced within a 500 mile radius of your project; the majority of "raw" materials used in the production of steel come from various global sources, and may not be extracted within 500 miles of your project.

*Note: Project specific submittal information can be provided upon request for the above Materials and Resources categories.*

### CEMCO Primary Manufacturing Facilities

- **City of Industry, California**  
263 N. Covina Lane, City of Industry, CA 91744
- **Pittsburg, California**  
1001-A Pittsburg Antioch Highway, Pittsburg, CA 94565
- **Denver, Colorado**  
490 Osage Street, Denver, CO 80204
- **Fort Worth, Texas**  
8600 Will Rogers, Fort Worth, TX 76140

### SS Credit 1: Site Selection (1 Point)

Cold-formed metal framing is a light-weight alternative to conventional concrete construction. In some cases, the light-weight system can reduce foundation requirements, which can minimize the building footprint.

### EQ Credit 3.1: Construction Indoor Air Quality Management (1 Point)

Cold-formed metal framing products are considered inert, so materials will not release terpenes (hydrocarbons) to the indoor air or provide a food source for mold, bacteria or insects.

### Potential Innovations in Design Contributions

**(1 Point)** CEMCO's ViperStud® framing system provides increased strength capacity from lighter material that contributes to a lighter building footprint and reduction in energy to produce steel.

**(1 Point)** An additional point may be earned if the recycled content value of the materials used on the project reaches the next threshold of 30% total recycled content.

**(1 Point)** According to the International Residential Code, using metal framing can help reduce or eliminate the need for chemical based termite control, reducing the impact on the site and air quality.

### LEED v3 for Building & Design Construction

- **MR Credit 2:** Construction Waste Management.
- **MR Credit 4:** Recycled Content.

### LEED v4 for Building & Design Construction

- **MR Prerequisite:** Construction and Demolition Waste Management Planning.
- **MR Credit:** Construction and Demolition Waste Management.
- **MR Credit:** Building Product Disclosure and Optimization — Sourcing of Raw Materials, Option 2.
- **MR Credit:** Building Product Disclosure and Optimization — Environmental Product Declarations, Options 1 & 2.
- **MR Credit:** Building Product Disclosure and Optimization — Material Ingredients, Option 1.
- **MR Credit:** Building Life-Cycle Impact Reduction, Option 4.

If you have any questions, concerns or clarifications, please contact our Technical Services department at (800) 416-2278 or [www.cemcosteel.com](http://www.cemcosteel.com).

Sincerely,  
CALIFORNIA EXPANDED METAL PRODUCTS COMPANY



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