

## Possible Applicable Leed Points for Cind-R-lite Block

Sustainable Sites                      Leed    Cind-R-lite    2 Points

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| Credit 2   | <p>Option 1 - Development Density<br/>Construct Building on a previously developed site AND in a community with a minimum density of 60,000 square feet per acre net.</p>   | CMU Walls allow flexible design.  | 1 |
| Credit 5.1 | <p>Option 1 - Greenfield Sites<br/>Limit all site disturbance to 40 feet beyond building perimeter; 10 feet beyond surface walkways and parking; 15 feet beyond primary roadway curbs; and 25 feet beyond constructed permeable surfaces that require additional staging areas.</p> | CMU does not require the use of heavy equipment for placement or large staging areas. | 1 |

Energy & Atmosphere

1-10 points

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| Credit 1 | <p>Options 1-4 - Optimize Energy Performance<br/>Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental and economic impacts associated with excessive energy use.</p> | <p>Concrete masonry walls provide thermal mass that can improve the building energy performance significantly.<br/>CMU walls also help mitigate indoor temperature swings.</p> | 1-10 |
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Materials & Resources

10 points

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| Credit 1.1 | <p>Building Reuse: Maintain 75% of Existing Walls, Floors, and Roof<br/>Extend the life of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.</p> | <p>CMU has a long life cycle.<br/>Many existing buildings with a concrete masonry shell can be reused.</p> | 1 |
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| Credit 1.2 | <p><b>Building Reuse: Maintain 95% of Existing Walls, Floors, and Roof</b><br/> Extend the life of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.</p>   | <p>CMU has a long life cycle. Many existing buildings with a concrete masonry shell can be reused.</p>  | 1 |
| Credit 2.1 | <p><b>Construction Waste Management: Divert 50% from Disposal</b><br/> Recycle and/or salvage at least 50% of non-hazardous construction and demolition debris. Develop and implement a construction waste management plan that, at a minimum, identifies the materials to be diverted from disposal and whether the materials will be sorted on-site or co-mingled.</p> | <p>Being Modular in nature, masonry products are less prone to waste. Designers can maintain the rigor of modular dimensions, reducing cutting of units on site.</p>  | 1 |
| Credit 2.2 | <p><b>Construction Waste Management: Divert 75% from Disposal</b><br/> Recycle and/or salvage an additional 25% beyond MR Credit 2.1 (75% total) of non-hazardous construction and demolition debris.</p>  | <p>Being Modular in nature, masonry products are less prone to waste. Designers can maintain the rigor of modular dimensions, reducing cutting of units on site.</p>  | 1 |
| Credit 3.1 | <p><b>Materials Reuse: 5%</b><br/> Use salvaged, refurbished or reused materials such that the sum of these materials constitutes at least 5%, based on cost, of the total value.</p>  | <p>One of the best reasons to use masonry is its durability and potential for reuse and salvage. Dry stacked landscaping blocks and pavers are the easiest to reuse.</p>  | 1 |
| Credit 3.2 | <p><b>Materials Reuse: 10%</b><br/> Use Salvaged, refurbished or reused materials for an additional 5% beyond MR Credit 3.1 (10% total, based on cost)</p>   | <p>One of the best reasons to use masonry is its durability and potential for reuse and salvage. Dry stacked landscaping blocks and pavers are the easiest to reuse.</p>  | 1 |
| Credit 4.1 | <p><b>Recycled Content: 10%</b><br/> Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10%(based on cost) of the total value of the materials in the project.</p>   | <p>Many masonry designs may use flyash and slag as a portion of their cement in grouting. These products reduce the quantity of cement and thus reduce CO2 emissions and increase the amount of recycled content.</p> | 1 |

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| Credit 4.2 | <p><b>Recycled Content: 20%</b><br/>Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes an additional 10% beyond MR Credit 4.1 (total of 20%, based on cost) the total value of the materials in the project.</p>               | <p>Many masonry designs may use flyash and slag as a portion of their cement in grouting. These products reduce the quantity of cement and thus reduce CO2 emissions and increase the amount of recycled content.</p> | 1 |
| Credit 5.1 | <p><b>Regional Materials: 10% Extracted, Processed &amp; Manufactured Regionally</b><br/>Use building materials or products that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% (based on cost) of the total materials value</p>        | <p>All Cind-R-lite Block is manufactured in southern nevada. The aggregates used to make the product are gathered within 500 miles.</p>   | 1 |
| Credit 5.2 | <p><b>Regional Materials: 20% Extracted, Processed &amp; Manufactured Regionally</b><br/>Use building materials or products that have been extracted, harvested, or recovered, as well as manufactured, within 500 miles of the project site for an additional 10% beyond MR Credit 5.1 (total of 20%, based on cost)</p> | <p>All Cind-R-lite Block is manufactured in southern nevada. The aggregates used to make the product are gathered within 500 miles.</p>   | 1 |

## Indoor Environmental Quality

4 points

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| Credit 4.1 | <p><b>Low Emitting Materials: Adhesives &amp; Sealants</b><br/>Reduce the quantity of indoor air contaminants that are odorous, irritating and/ or harmful to the comfort and well-being of installers and occupants</p> | <p>Concrete Masonry Walls do not need to be sealed or painted. Cind-R-lite offers alternatives, such as honed or split-face block to give interiors a unique look.</p> | 1 |
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| Credit 4.2 | <p>Low Emitting Materials: Paints &amp; Coatings</p> <p>Reduce the quantity of indoor air contaminants that are odorous, irritating and/ or harmful to the comfort and well-being of installers and occupants</p> | Concrete Masonry Walls do not need to be sealed or painted. Cind-R-lite offers alternatives, such as honed or split-face block to give interiors a unique look. | 1 |
| Credit 7.1 | <p>Thermal Comfort: Design</p> <p>Provide a comfortable thermal environment that supports the productivity and well-being of building occupants.</p>  | Concrete Masonry Walls give the advantage of thermal mass. The walls will stay warm or cool long after heating or cooling shuts off.                            | 1 |
| Credit 10  | <p>(Leeds for Schools): Mold Prevention</p> <p>Reduce the potential presence of mold through preventative design and construction measures.</p>   | Concrete Masonry Walls does not provide the food source for mold to grow.   | 1 |

### Innovative & Design Process

1-4 points

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| Credit 1-1.4 | <p>Innovation in Design</p> <p>Points awarded for exceptional performance above the requirements established by LEED, and/ or innovative performance in Green Building categories not specifically address by LEED.</p> | <ul style="list-style-type: none"> <li>* Improvements to indoor air quality</li> <li>* Increased fire safety</li> <li>* Reduced potential of mold growth</li> <li>* Products produced within 500 miles</li> <li>* Use load bearing walls and post tensioned masonry for a structural advantage</li> <li>* CMU's are material efficient (all-in-one unit)</li> <li>* Increased life cycle environmental value</li> </ul> | 1-4 |
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