



A Subsidiary of Saint Louis Metalworks Company

Green Roof Blocks™ Press Release: April 3, 2004

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Saint Louis Metalworks Company, fabricators and installers of architectural sheet metal roofing and accessories for the St. Louis Metro and surrounding areas, is proud to announce construction of the Green Roof Pavilion at the Earth Ways Home for the Missouri Botanical Garden. The 12' x 14' pavilion will showcase **Green Roof Blocks™**, Saint Louis Metalworks Company's new green roof product, used to ballast the EPDM single ply membrane roofing system. The pavilion is a collaboration of area businesses and the Missouri Botanical Garden to increase public awareness about the green roofing concept and to educate the public about the many benefits of green roofing.

Saint Louis Metalworks Company spearheaded this project with the cooperation of Lowes, Home Depot, Handyman Hardware, Dynamic Fastener, Roofer's Mart, and Crown C Supply who will donate materials needed for the construction of the pavilion. The Korte Company, Lakeside Roofing, Sheet Metal Workers Local 36, and the Rental Service Center will donate the necessary labor and equipment to construct the project. Saint Louis Metalworks Company and Jost Greenhouse will be providing the **Green Roof Blocks™** to cover the pavilion rooftop with a variety of sedum plants.

The Earth Ways Home will add green roofs to their educational tours that teach visitors about the many environmentally beneficial materials and systems employed by the Home. The Earth Way Home has ground source heating and cooling, solar panels, water saving fixtures, a variety of materials manufactured from recycled materials, and natural grass landscaping and composting areas, just to name a few of the attractions. Area students will be invited to join in experiments that will show how the green roof functions to clean and reduce storm water runoff and to lower the rooftop temperature, helping to ease the urban heat island.

Green Roof Blocks™ are self contained, portable units that can be arranged and rearranged as the building owner sees fit. Each unit consists of a 24" x 24" container fabricated of heavy gauge aluminum. Durable and drought resistant sedums are planted in four inches of proprietary growing medium. The growing medium is a proprietary mixture of mineral and organic material custom blended to sustain sedums for the life of the system. Walk pad material is fastened to the bottom serving both to protect the roofing surface and to allow drainage under the **Green Roof Blocks™**. The walk pad material used

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is procured from the manufacturer of the building owner's roofing system to insure compatibility and warranty integrity. The weight of the system is 12 to 18 pounds per square foot, the weight required to ballast single ply roofing membrane. The

Green Roof Blocks™ can be used as ballast in the same manner as paver blocks. Or the **Green Roof Blocks™** can be placed over an existing roof provided the weight of the combined systems does not exceed dead load capacity of the building structure.

Green Roof Blocks™ have been approved by Johns Manville, Firestone, Carlisle, Garland, and Durolast for use in conjunction with their manufactured roofing systems. Typical green roof construction involves expensive water proofing, drainage systems, and large amounts of soil that make future roof repair nearly impossible. Installation of **Green Roof Blocks™** consists of setting our completely self contained units on the roof. It's just that easy. Any roofing contractor or maintenance staff can install this green roof. Once installed, **Green Roof Blocks™** can be moved to conduct roof repairs or replacement and repositioned. Tested on slopes to 4:12 and introductory priced at \$10 per sq. foot, Saint Louis Metalworks Company is making it easy for all building owners to have a green roof.

Saint Louis Metalworks Company is a Member of
Associated Roofing Contractors of the Greater St. Louis Area
Sheet Metal Worker Locals #36 and #268
Sheet Metal and Air Conditioning Contractors' National Association
United States Green Building Council
St. Louis Chapter USGBC
Northwest EcoBuild Guild
Green Roofs for Healthy Cities
Green Roof Blocks is a registered Trade Mark and Patents are Pending