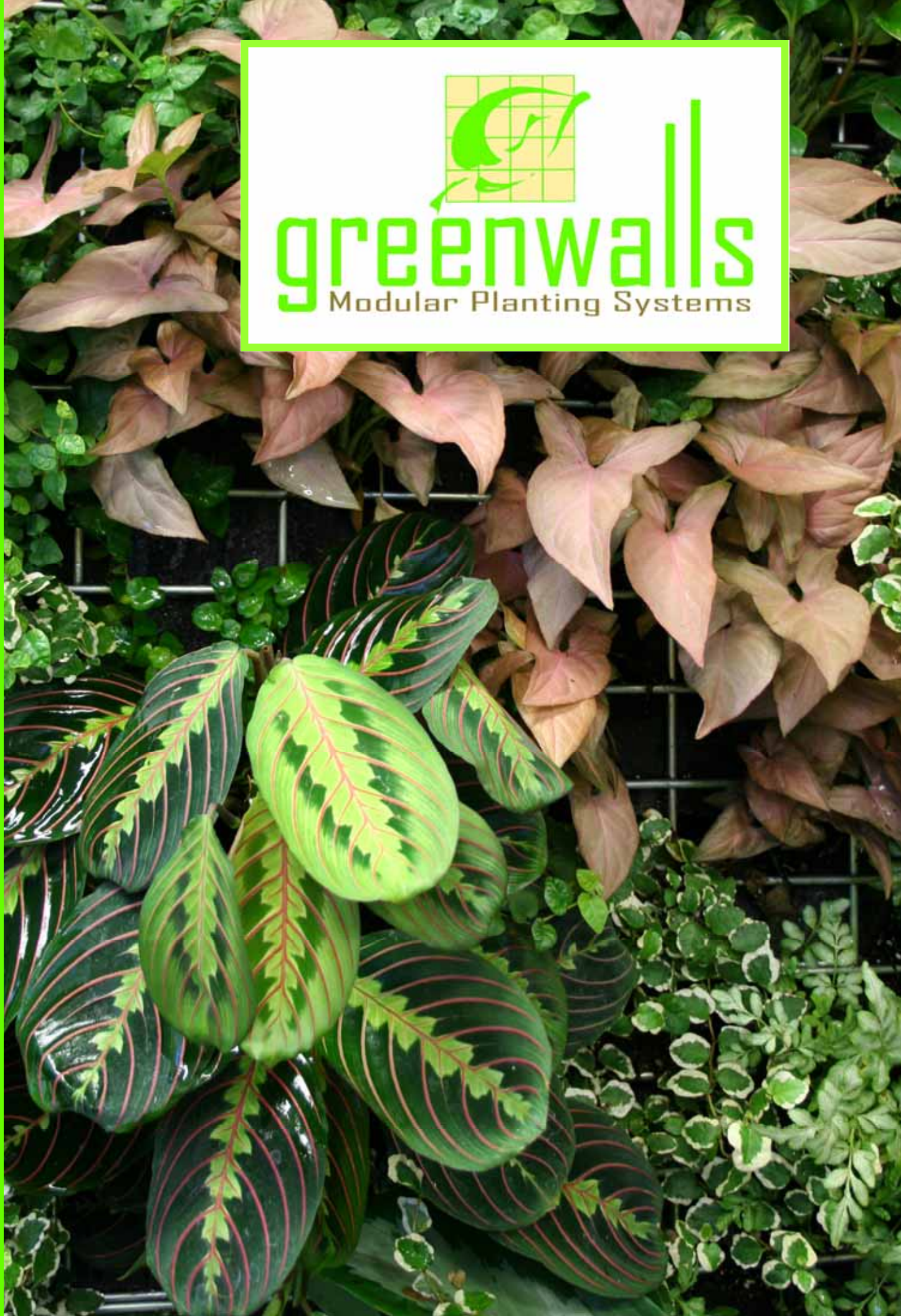




greenwalls
Modular Planting Systems





Green walls, also known as vertical planting systems, vertical gardens, plant walls or vegetated walls have been successfully implemented around the world over the past 15 years. Our very first greenwall project was completed for the Rainforest at Cleveland Metroparks in 1993 and it was one of the earliest major installations in the world. It

remains today as an example of the essential elements that make up a quality long-lasting green wall installation.

Where do Greenwalls work?

Our first greenwall made its appearance in a zoological exhibit, but they are adaptable to almost any vertical surface. They make a dramatic visual statement. They are attractive, distinctive, and make any visitor take notice of your building. Whether a green wall is inside or outside a building, it adds remarkable visual value to the area. It makes a statement that you care about the environment.

The single biggest factor to their success is having properly designed systems that support the long term health of the vertical plantings.

Design Considerations

Several important design and construction requirements are integrated into the Greenwalls Modular Planting System. These important design considerations reduce the “issues” associated with developing a vertical garden.

- Protection of the structural support system — Greenwalls Modular Planting Systems integrate a waterproof layer into our unitized system to protect your project’s structural integrity.
- Positive drainage throughout the system keep plantings in optimal growing conditions at both the bottom and the top of what may be a several stories tall planting. Our open cell foam planting media maintains adequate moisture levels without becoming oversaturated.
- A long-term, lightweight planting medium that is not subject to deterioration through decomposition. Greenwalls Modular Planting Systems open cell foam planting media maintains its integrity even in exterior applications.
- Irrigation and fertilization for optimum plant growth and sustainability is provided through a drip emitter system atop each greenwall panel.
- Ease of planting and adaptation of the plantings to the environmental conditions. Because our plantings start with stage IV liners or 3” potted materials the shipping and handling of the plant materials is low cost and plants adapt quickly to the new environment. There is no need to pre-grow the panels prior to installation.

Design Considerations (continued)

- **Load Bearing Capacity** - You just can't hang a green wall on any old wall you have, many systems weigh in at a hefty 25 to 40 pounds per square foot. But Greenwalls Modular Planting System only weighs 10 pounds planted! So while you still need to consult with a structural engineer to verify the load bearing capacity of your wall the Greenwalls System gives you many more lower cost options than other planting systems.
- **Safety and Serviceability**— The difficulty in managing a vertical garden is the safety and serviceability of the plantings. Specifically designed lift systems or ladder systems must be included to facilitate routine maintenance. Our design team can assist you with all the necessary planning considerations.
- **Maintenance**— Regular professional maintenance of the plantings should be accounted for in budgeting and planning. Special attention must be given to pruning plant materials in order to maintain balance between plant size and root growth (based on limited availability of rooting area). Regular grooming on the plants is required and we can make all the necessary arrangements for a guaranteed plant health maintenance program.

Conclusions

There are lots of great examples of green walls in commercial applications. We would be happy to show you the broad variety and artistic expression created with green walls. They can be implemented indoors or outdoors in nearly any climatic conditions.

This environmentally friendly product provides an ambiance and visual marketing opportunity. And even though green walls aren't well known in the U.S., their potential benefit to sustainable projects is significant. With careful plant selection and planning, the green wall can thrive in most places - indoors and out.

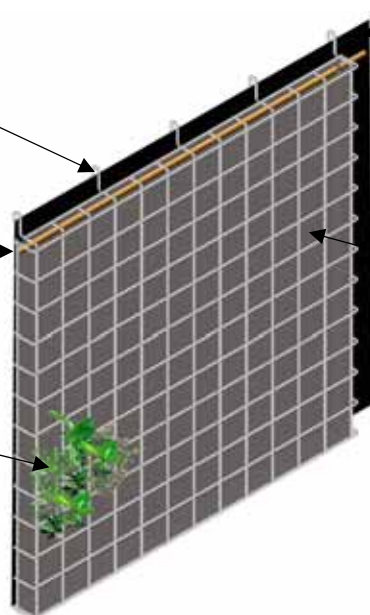
Let Greenwalls Modular Planting Systems show you how!

*for more information or assistance in planning
your next greenwall project call 800.524.7081*

Powder coated wire hanging structure — designed to take the elements and provide structural integrity to the system

Drip irrigation channel — allows for easy installation of irrigation system. (irrigation line not included with the panel)

Easy planting — just cut a slit into the foam panel and insert stage IV liners or 3" starter plants. They adapt quickly to their new environment No need to pre-grow panels



Waterproof layer — each panel overlaps the next to create an integral waterproof membrane, no need for additional waterproofing

Foam planting media — allows optimum root penetration and plant stability.





Greenwalls, an environmentally friendly product, provides a quality ambiance and strong visual support of corporate green strategies



Is a product division of:



Creating memorable places and unique experiences

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