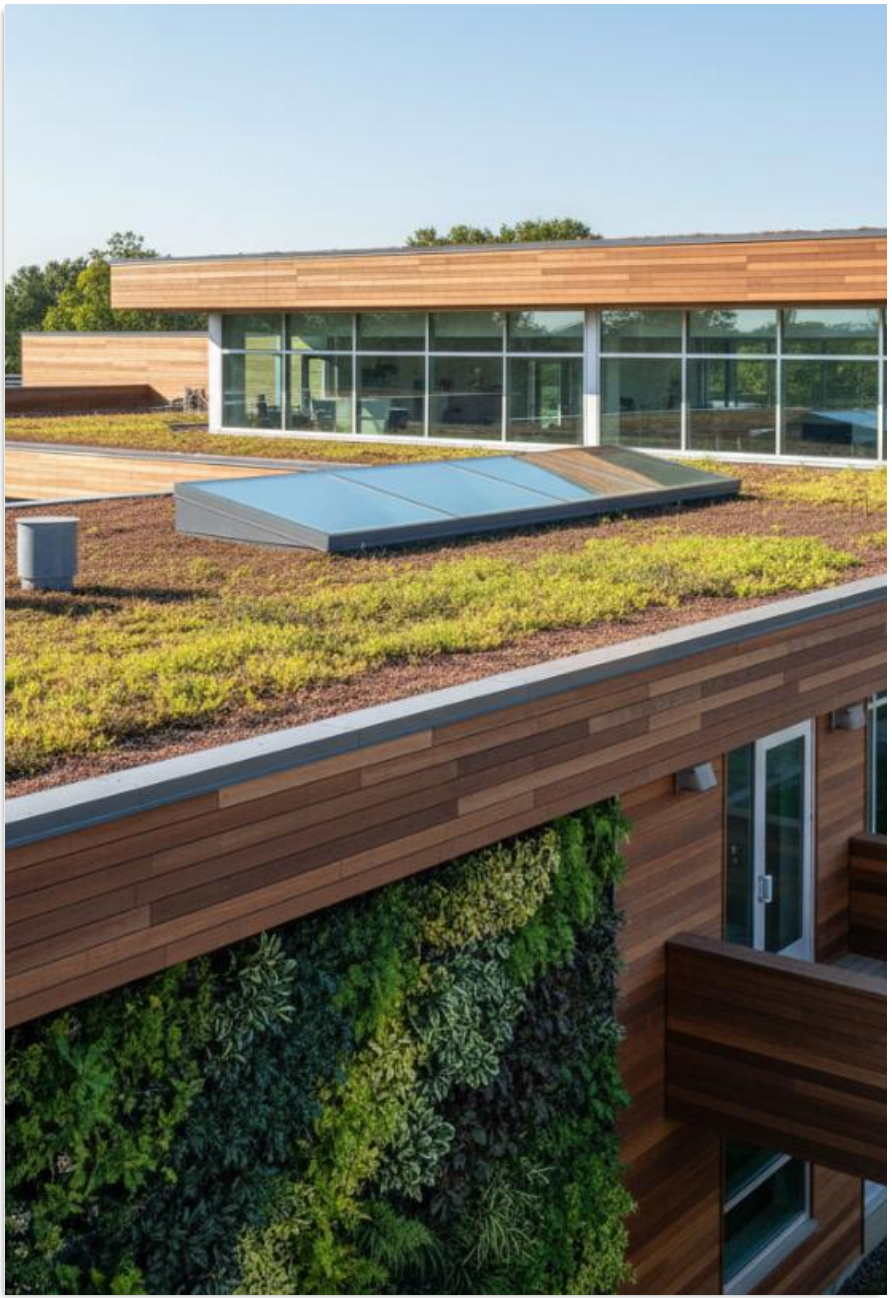
GREEN LIVING TECH

LIVING INFRASTRUCTURE

ENGINEERED FOR PERFORMANCE

Living Walls • Green Roofs
Ecological Landscapes • Design Intelligence



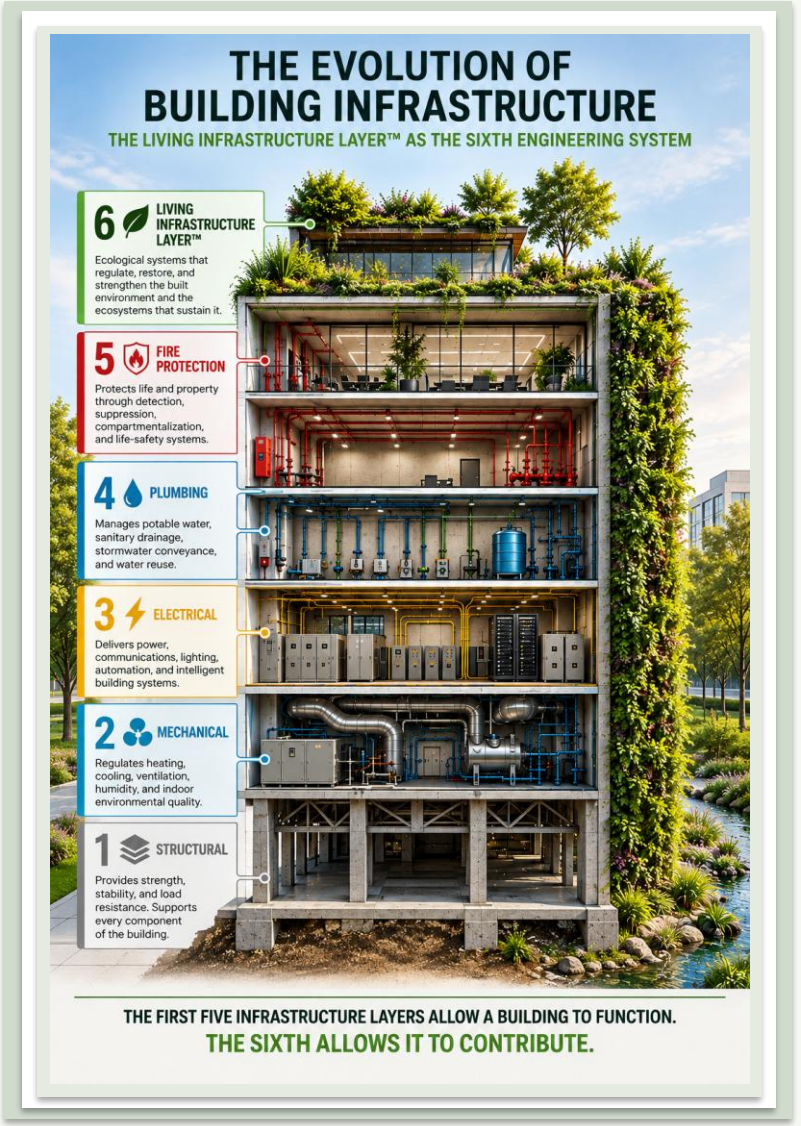
GREENLIVINGTECH.NET – 800-631-8001

THE LIVING INFRASTRUCTURE LAYER

Integrated systems. Measurable outcomes.

Green Living Tech, LLC brings living infrastructure into the built environment through engineered vegetated systems, project-specific design support, and practical integration across buildings and landscapes.

- **DEFINE OUTCOMES**
- **DESIGN SOLUTIONS**
- **DELIVER PERFORMANCE**



EXPLORE WHAT GLT OFFERS

04	TWO LIVING WALL SYSTEMS – Plug and Play – Green Living Wall	
05–10	PLUG AND PLAY LIVING WALLS	Wall mounted • Freestanding
11–13	GREEN LIVING WALL	Architectural living wall systems
14–15	FROM DESIGN VISION TO DESIRED OUTCOMES, LIVING WALLS IN CONTEXT	
16–17	LIVING ARCHITECTURE & THE BUILT ENVIRONMENT, LIVING WALLS AS ARCHITECTUAL IDENTITY	
18–19	BRINGING NATURE INTO INTERIOR SPACES, PLANTING AS ARCHITECTUAL EXPRESSION	
20–27	GREEN LIVING ROOF	Vegetated roofing solutions, Stormwater Solutions, Heat Mitigation, Biodiversity

LIVING WALLS. TWO SYSTEMS. DISTINCT APPLICATIONS.

Purpose-built living wall solutions for distinct architectural and planting objectives.



PLUG AND PLAY

MODULAR LIVING WALL SYSTEM

Modular aluminum planting panels for wall-mounted or freestanding applications. Flexible layouts support interior and climate appropriate exterior designs.



GREEN LIVING WALL

ARCHITECTURAL FAÇADE SYSTEM

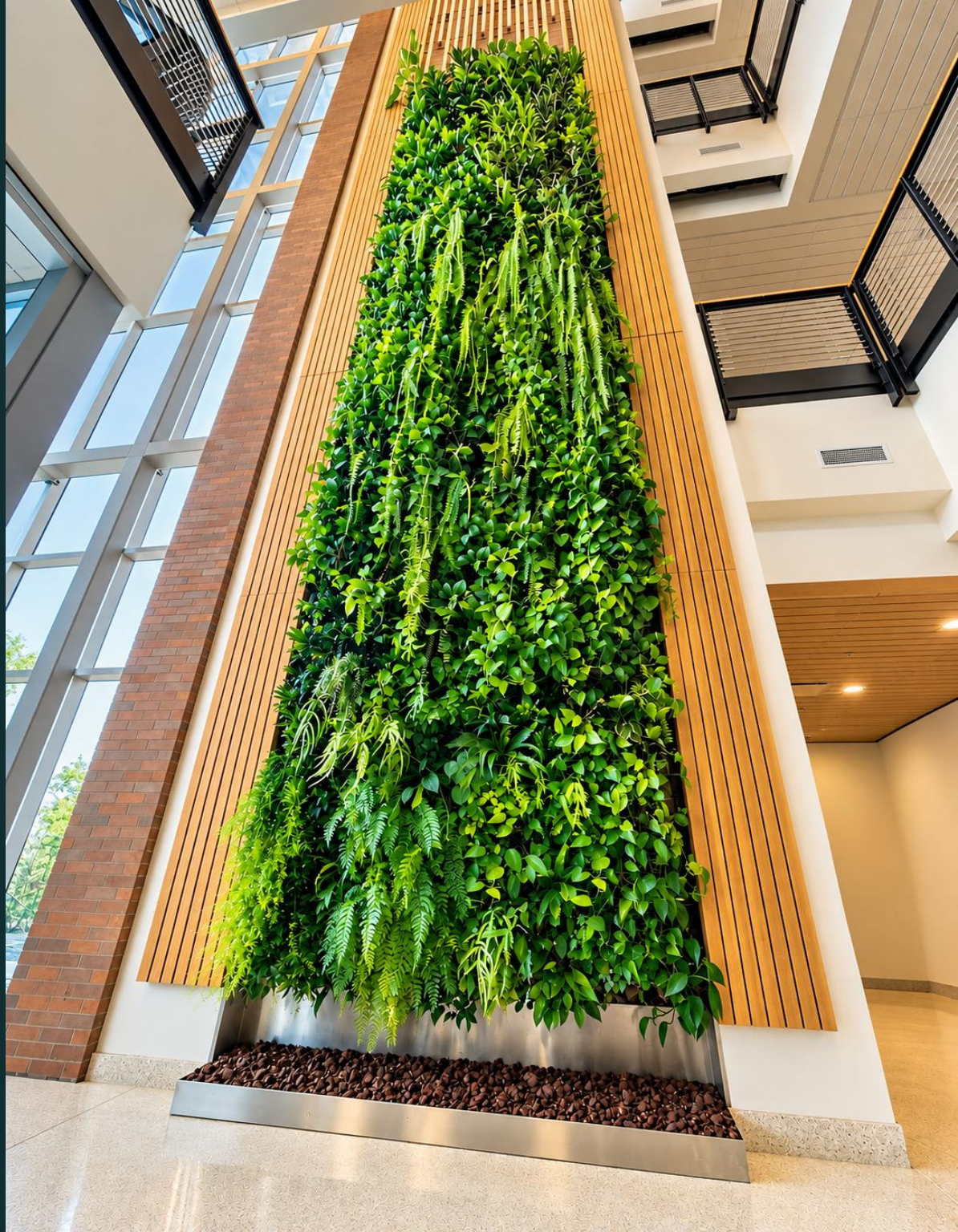
Engineered aluminum planting assemblies integrate vegetation into building façades, supporting larger-scale installations and exterior applications.

LIVING WALLS. REENGINEERED.

PLUG AND PLAY

WALL-MOUNTED & FREESTANDING

Modular aluminum construction.
Architectural freedom.
Living infrastructure built to perform.



MORE THAN A GREEN WALL.

A precision-built system for living architecture.



DESIGNED TO ADAPT.

- Interior or climate appropriate exterior.
- Wall mounted.
- Recessed or custom trimmed.
- Engineered for the project

You are limited only by your imagination.....

THE ADVANTAGE IS IN THE PLUG AND PLAY SYSTEM.

70%

LESS INSTALLATION LABOR*

*Based on GLT comparative evaluations against competing installation systems; comparison details available on request

90%

FEWER HARDWARE REQUIREMENTS*

90% LESS PENETRATIONS

6061

ALUMINUM PANEL CONSTRUCTION

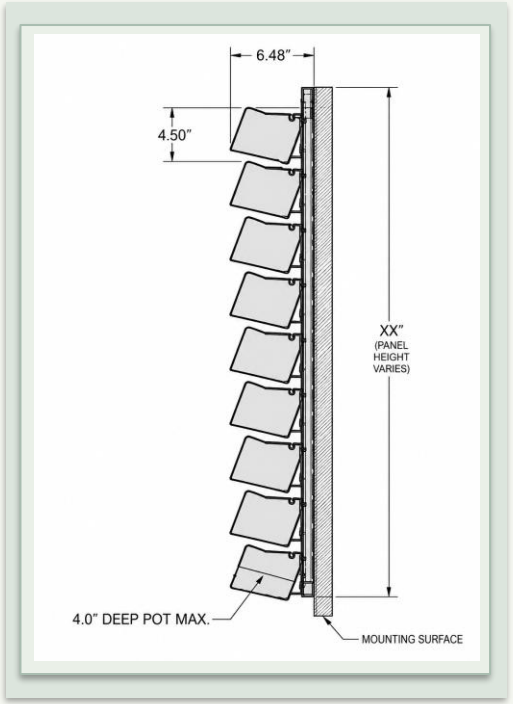
CLASS A FIRE RATING



Designed for faster assembly and fewer attachment components, with an all- metal panel structure, no additional brackets & ZERO waste irrigation system.

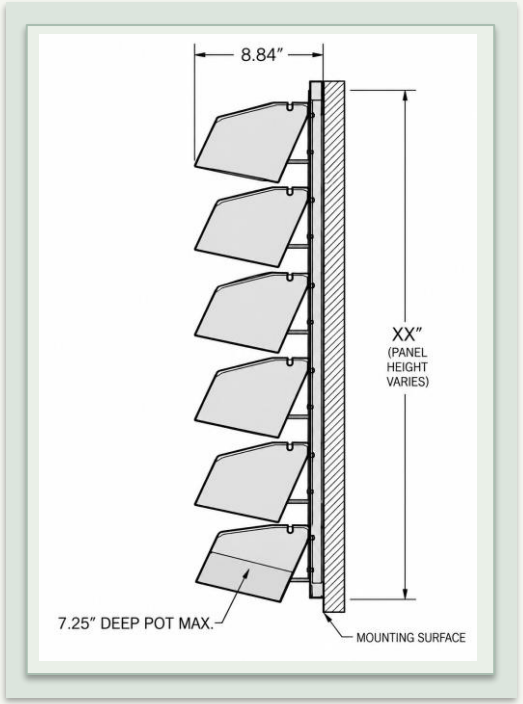
LEFT - Pre-Planting GLT Plug and Play Assembly & Engineering

PLUG AND PLAY. ONE PLATFORM. THREE CONFIGURATIONS.



4-INCH

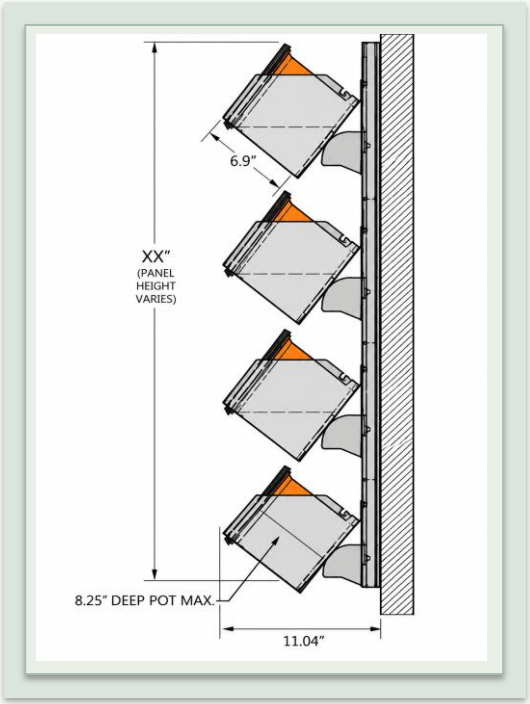
Compact planting depth



6-INCH

Expanded planting depth

Ideal for interior



1-GALLON / 8-INCH

Larger planting configuration –

Seasonal Exterior - Vertical Farming

Panel dimensions and available arrangements are provided in GLT's separate technical drawing library. All sizes available in dedicated corner sections.

CLEAN LINES. SMARTER DETAILS.



FINISH IT YOUR WAY.

18-gauge stainless steel trim, optional RAL powder coating, custom trim, or a recessed trim less installation.
*Trim also conceals adjacent irrigation lines.



RECESSED DETAIL

BRING YOUR WALL TO LIFE.

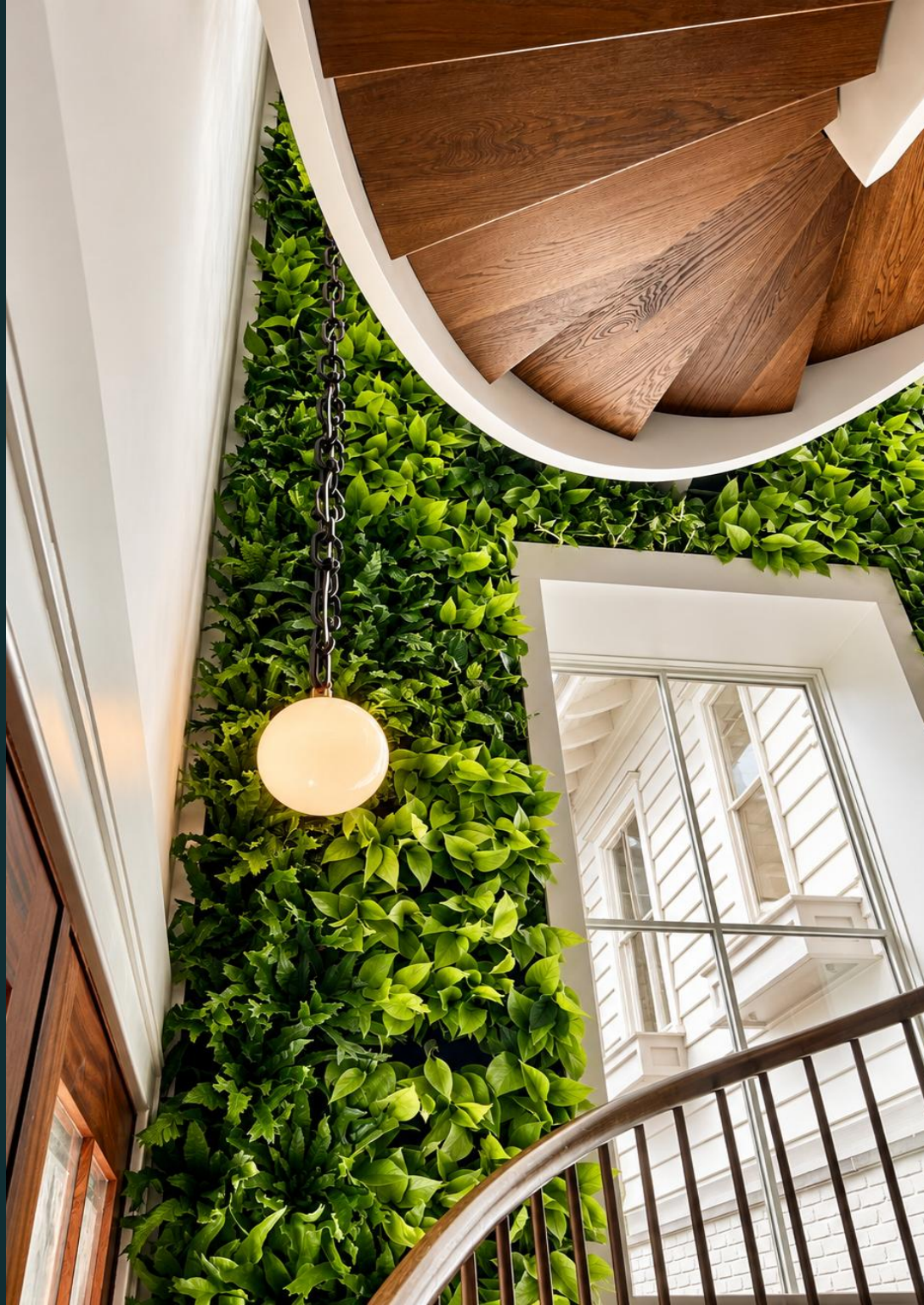
Plug and Play

From concept to installation, GLT supports architects, designers and contractors with system selection and project-specific coordination.

PROJECT DESIGN ASSISTANCE

Technical drawings • Guide specifications

Irrigation design • Installation support



GREEN LIVING WALL

LIVING ARCHITECTURE.
BUILT INTO THE DESIGN.



A VERTICAL LANDSCAPE



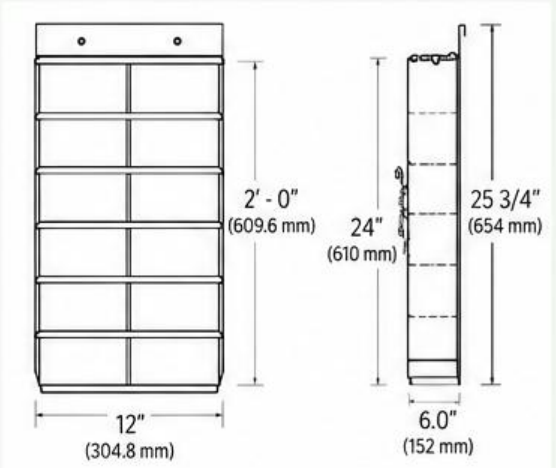
A dynamic planted surface that connects architectural expression with living vegetation.

System selection and project details are coordinated with GLT’s technical resources.

GLT / GREEN LIVING TECH

24 rectangular panel configurations from one to 24-cells.

A MODULAR PLATFORM THAT ADAPTS TO ANY SPACE, DESIGN VISION OR PLANTING STRATEGY.

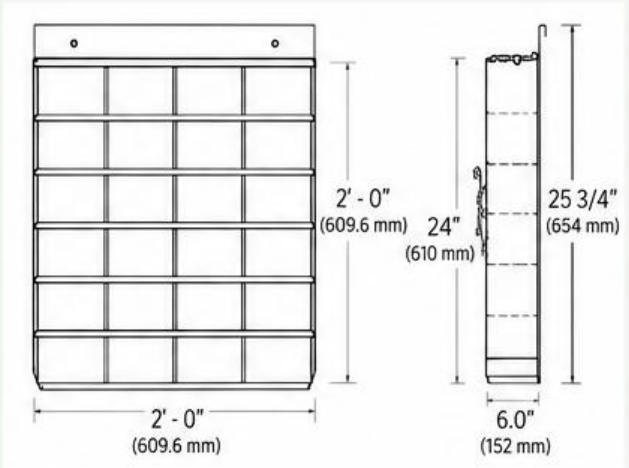




Standard 1′×2′×6″

(304.8 × 609.6 × 152 mm)

Compact vertical format with 12 planting cells. Ideal for columns, narrow spaces and feature accents.





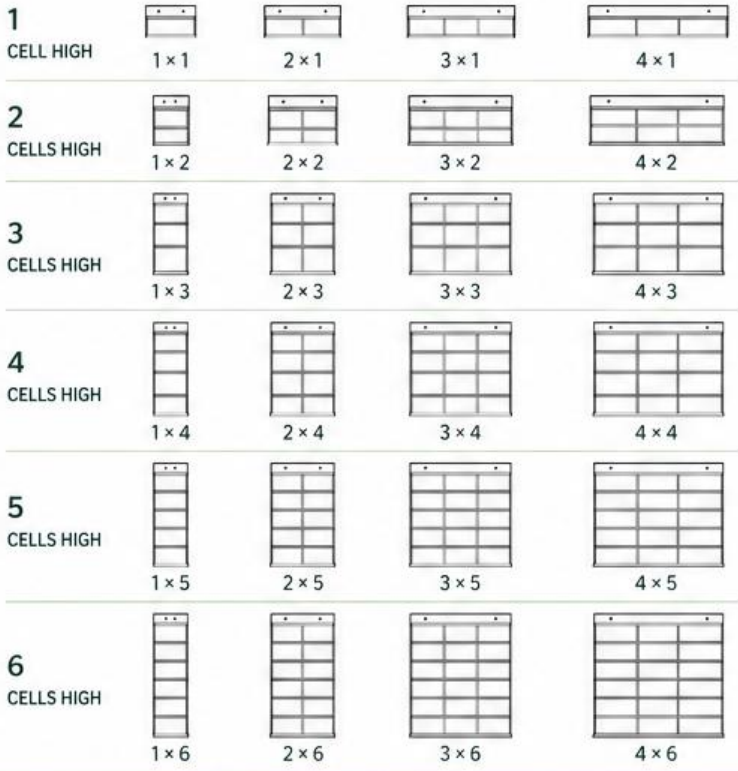
Standard 2′×2′×6″

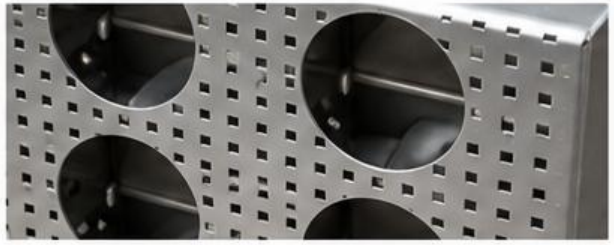
(609.6 × 609.6 × 152 mm)

Larger format with twenty-four planting cells. Ideal for broad coverage, impactful displays and interior applications.

24 PANEL SIZES

Choose from 24 rectangular configurations using 1–4 cells across and 1–6 cells high. All panels are 6″ (152 mm) deep and feature G2 perforated covers.





G2 PERFORATED COVER

Interconnected Plant Growth: Strategic perforations allow plants and roots to migrate between adjacent cells.
Expanded Growing Area: Increases usable surface area and shared root space for healthier plant development.
Erosion Prevention: Retains growing media, eliminates erosion and media loss—major contributors to plant failure.

- Precision-cut planting openings
- Durable, lightweight aluminum construction
- Supports multiple panel configurations
- Allows vegetation to establish a continuous living surface
- Suitable for interior and exterior applications

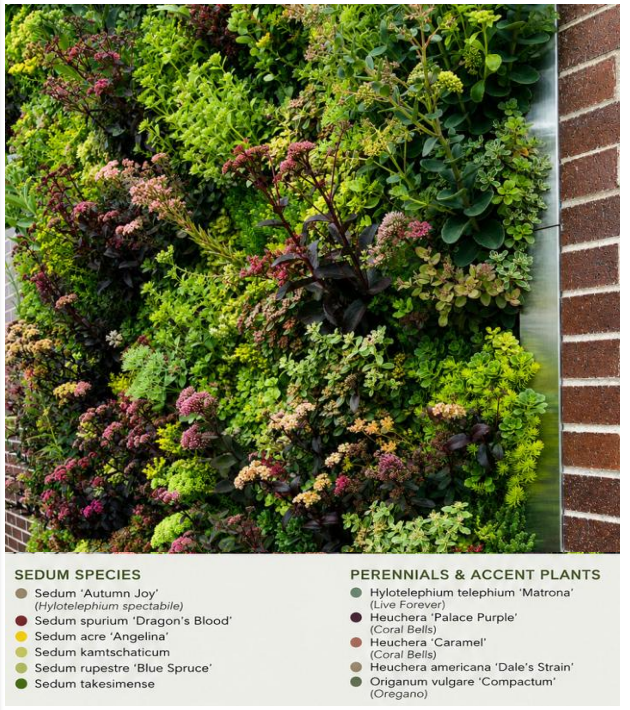
FROM DESIGN VISION TO DESIRED OUTCOMES

DESIGN BUILD



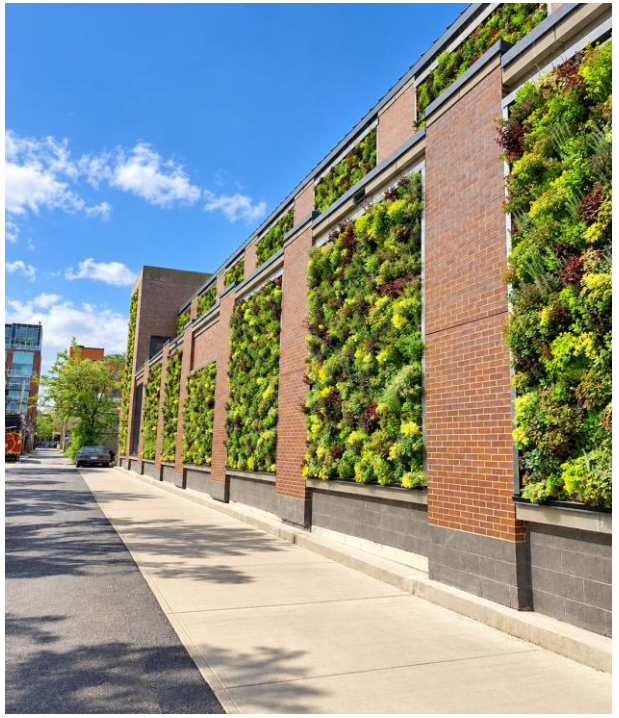
Translate architectural vision, project requirements, and performance objectives into an engineered living wall solution.

PLANT SELECTION



Develop planting strategies that balance visual impact, site conditions, biodiversity, and long-term performance.

MAINTENANCE



Integrate irrigation, monitoring, accessibility, and ongoing care to protect the investment and sustain performance.

LIVING WALLS IN CONTEXT

Living infrastructure transforms conventional building surfaces into thriving ecological assets. From expansive vegetated façades to sculptural living installations, GLT integrates engineered systems and diverse plant communities into the built environment.

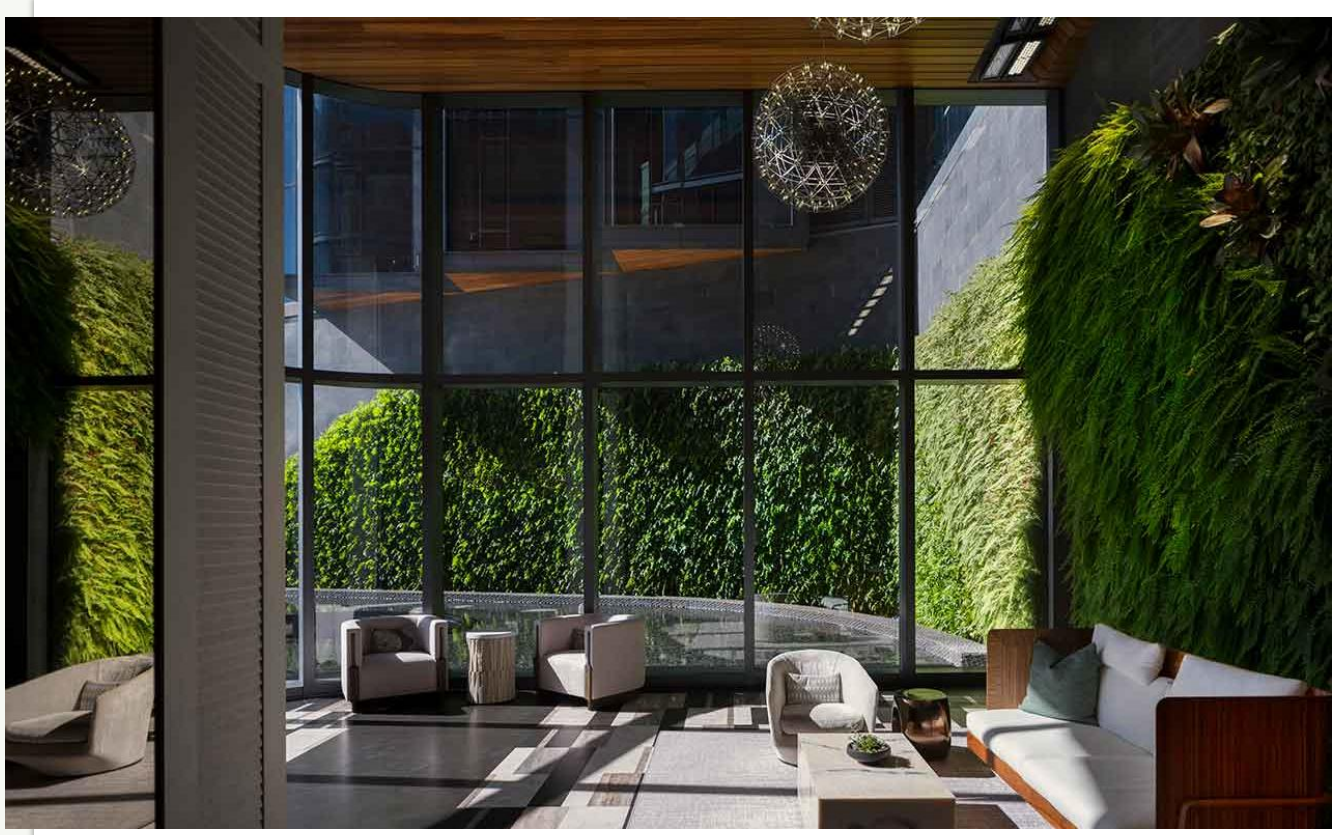


ARCHITECTURAL INTEGRATION
Transforming building façades into living architecture that combines visual identity with environmental performance.



LIVING LANDSCAPES
Custom living installations that introduce biodiversity, seasonal color, and natural beauty into urban spaces.

LIVING ARCHITECTURE & THE BUILT ENVIRONMENT

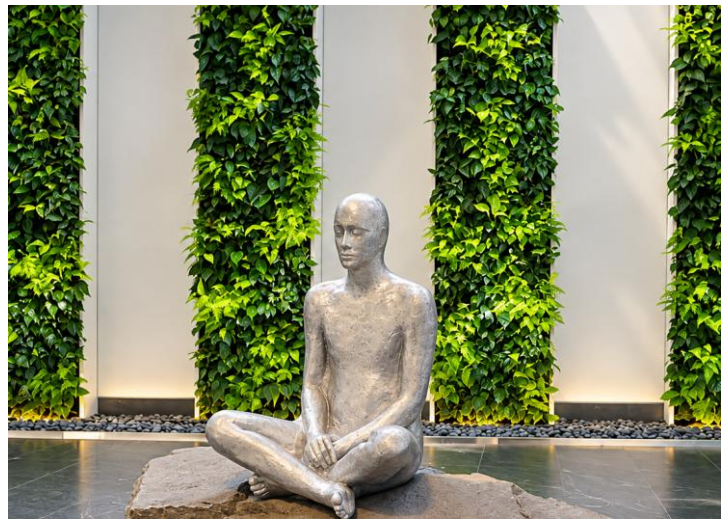




Living walls extend architecture beyond conventional surfaces, integrating vegetation into interior and exterior environments to create distinctive spaces and immersive experiences.

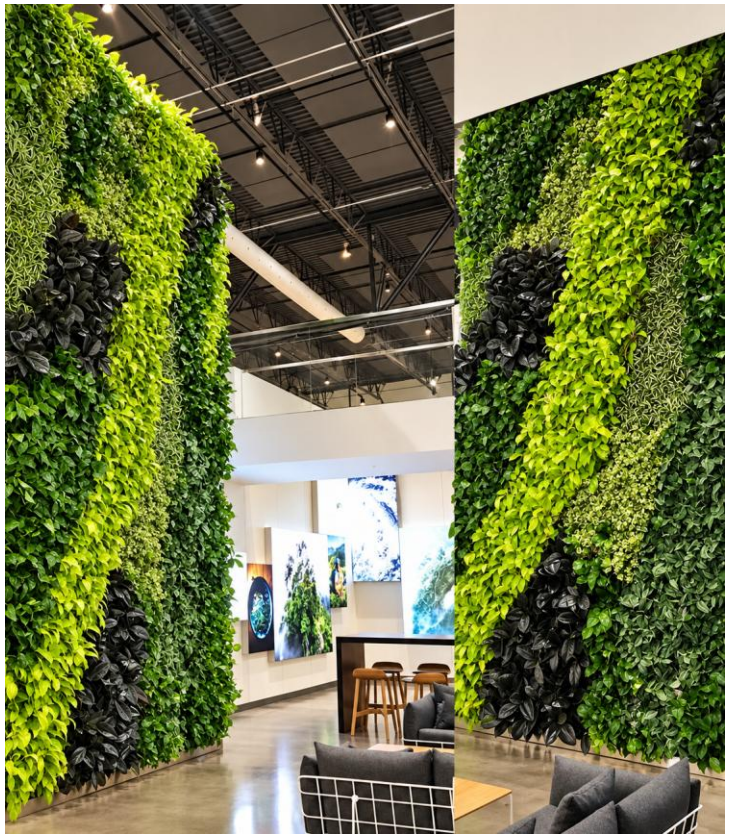
LIVING WALLS AS ARCHITECTUAL IDENTITY





From luxury retail environments to contemporary interiors, living walls become defining architectural elements that reinforce identity, introduce natural texture, and enhance the experience of a space.

BRINGING NATURE INTO INTERIOR SPACES

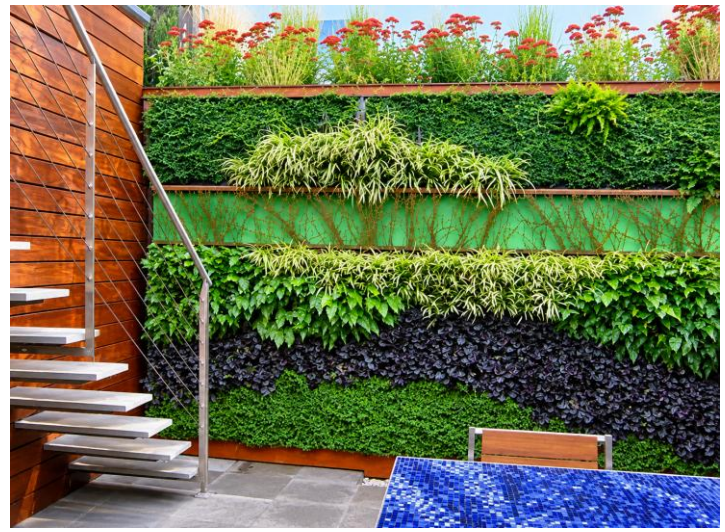




Engineered living wall systems bring vegetation into workplaces, hospitality environments, public spaces, and commercial interiors—transforming vertical surfaces into living architectural features.

PLANTING AS ARCHITECTUAL EXPRESSION

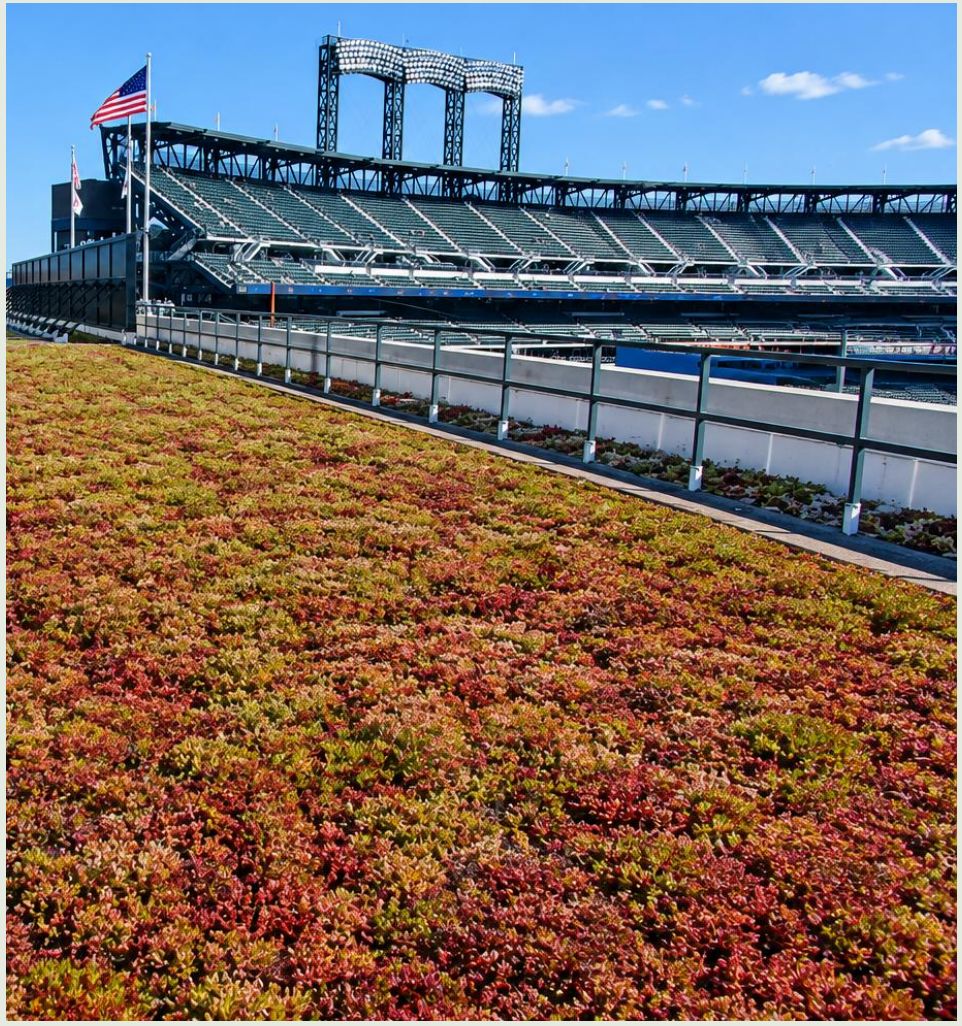




Plant selection, texture, color, three dimensional elements and arrangement allow living walls to become customized compositions—supporting the design intent of each project while introducing vegetation into the built environment.

GREEN LIVING ROOF

TRANSFORMING ROOFTOPS INTO LIVING SYSTEMS.



MORE FROM THE ROOF



Rooftops are opportunities for planted infrastructure.

Green roof assemblies are developed around expected outcomes, project loading, drainage, planting, access, and maintenance requirements.

DESIGNED AS A SYSTEM

ASSEMBLY



One adaptable platform for extensive and intensive green roofs. Flexible HDPE drainage components can be cut to accommodate curves, irregular shapes, and varying growing media depths

PERFORMANCE



3,200 PSF compressive strength and 8 gallons of stormwater retention per m^2. Dual-purpose separation fabric provides additional water retention, with economical options to increase capacity.

MAINTENANCE



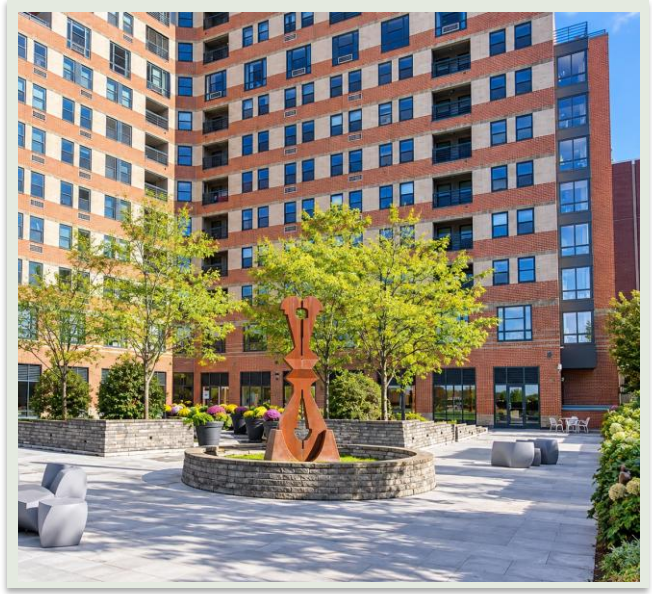
Designed for practical installation and long-term care. Adaptable configurations support project-specific planting, drainage, irrigation, and maintenance requirements.

ROOFTOP APPLICATIONS



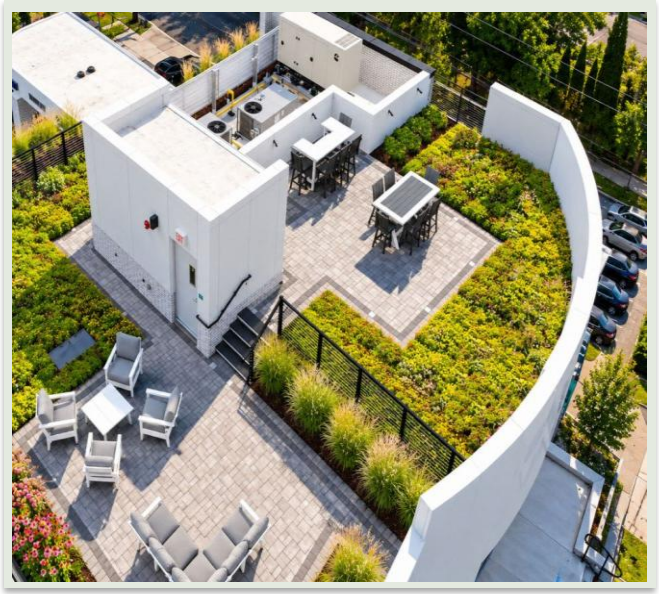
EXTENSIVE

Low-profile vegetated roofs



INTENSIVE

Deeper growing media and planting



HYBRID / AMENITY SPACE

Integrated planting and usable space

SLOPED GREEN ROOFS



VEGETATION BEYOND FLAT ROOFS.

GLT's floating bracket system supports vegetated roof assemblies on steep and complex slopes while allowing stormwater to flow freely beneath the green roof. The elevated support structure helps manage drainage without obstructing the natural downward movement of water. The system accommodates growing media depths up to 8 inches, supporting a wide range of planting strategies. Green Roofs engineered. Multiple slopes, depths, and ecological possibilities.





BIODIVERSITY BY DESIGN

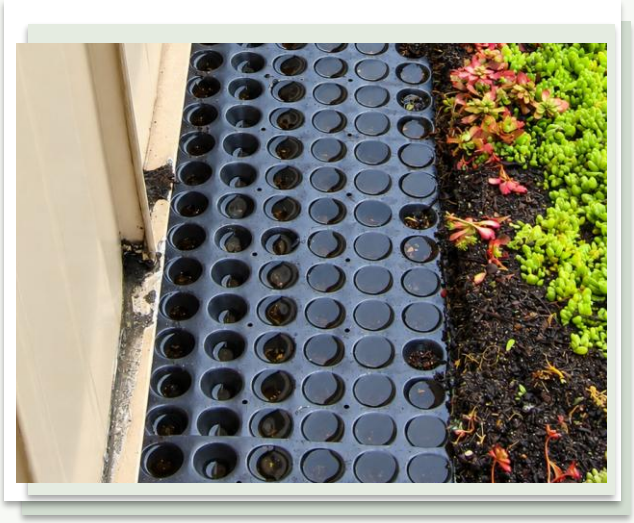




PLANT FOR ECOLOGICAL FUNCTION.

Combine site-appropriate species, habitat opportunities, and seasonal diversity to support project biodiversity goals.

STORMWATER AS INFRASTRUCTURE









FOUR LAYERS.

ONE INTEGRATED STORMWATER SYSTEM.

1. **HDPE Drainage & Retention.** Board GLT's high-density polyethylene (HDPE) drain board provides the first level of stormwater retention, storing rainfall within its engineered reservoirs while allowing excess water to drain.
2. **Separation & Water Retention Fabric.** The dual-purpose fabric separates the growing media from the drainage board while providing additional water retention. Each additional fabric layer can increase retention capacity by approximately 1 gallon per m^2.
3. **Engineered Lightweight Growing Media.** Project-specific growing media blends provide additional moisture storage, support healthy root development, and balance water retention with drainage, aeration, and structural loading requirements.
4. **Vegetation & Evapotranspiration.** The selected plant palette intercepts rainfall, absorbs stored moisture, and returns water to the atmosphere through evapotranspiration, contributing to stormwater reduction and ecological performance.

ONE ENGINEERED SYSTEM. EVERY GREEN ROOF.

ONE PLATFORM. REMARKABLE VERSATILITY.



3,200 PSF

COMPRESSIVE STRENGTH

Engineered for demanding roof applications.

8 GALLONS / m^2

MINIMUM WATER RETENTION

Additional retention options available.

FLEXIBLE BY DESIGN

ACCOMMODATES UNDULATIONS

Adapts to irregular roof surfaces.

CUT TO FIT

CURVES & COMPLEX GEOMETRIES

Easily configured around penetrations and unusual shapes.



ONE SYSTEM. MULTIPLE APPLICATIONS. FEWER DESIGN LIMITATIONS.

GLT / GREEN LIVING TECH

LET'S BUILD LIVING INFRASTRUCTURE.

ENGINEERED SYSTEMS. PROJECT-SPECIFIC SOLUTIONS. MEASURABLE OUTCOMES.

We manufacturer living walls and green roofs for ecological landscapes.
Green Living Tech, LLC works with installers, design and construction teams to integrate living infrastructure into the built environment.

START WITH PROJECT DESIGN ASSISTANCE

Outcomes • System selection • Technical drawings • Specifications • Design coordination

www.GreenLivingTech.net • 800-631-8001 • Info@GreenLivingTech.net