

**GrowUp Greenwalls LLC**

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CUSTOM LIVING WALLS**Architect Specification Cheat Sheet****Product Overview**

GrowUp Custom Living Walls (CSI 09 77 53) are bespoke walls of real, growing plants for interior and exterior applications. Built plant by plant from a modular system, they can be created in any shape and scaled to any size. Because they use full-size plants, they look finished and full from day one. The system configuration is selected with the design team during design development based on environment, aesthetic, and site utilities.

Technical Specifications

Feature	Specification
System depth from host wall	~12" to 15" planted
Installed weight (planted + watered)	~14 to 15 lbs per sq ft
Min. host wall support	18 lbs per sq ft
Irrigation	Manual, drip-feed, or recirculating
Waterproofing	Continuous membrane; water containment and drainage specified custom to project requirements
Grow lighting	Recommended for indoor installation
Environment	Interior and exterior
Plant size	Full-size specimens (4"-6")
BABA compliance	Compliant (identify at design if required)

Note on host wall load: GrowUp specifies a minimum host-wall support of 18 lbs/sq ft on drawings as a conservative design allowance covering both systems. Confirmed saturated loads (~14–15 lbs/sq ft) are provided for structural review once the system is selected.

Drawing Note Language (Copy + Paste)**Architects may insert the following language directly into project drawings:**

Provide custom living wall system by GrowUp Greenwalls (CSI 09 77 53). Host wall to support a minimum 18 lbs/sq ft. System configuration, including irrigation, structural subframe, and plant palette, to be determined by GrowUp Greenwalls in coordination with the design team during design development. Supplemental grow lighting to be provided by GrowUp or others for interior installations where ambient light is insufficient. Plumbing rough-in (water supply and drain) to be coordinated with GrowUp Greenwalls prior to CD completion.

Basis of Design**GrowUp Greenwalls**

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Design assistance, shop drawings, and specifications are available upon request. Living wall design is finalized in a designated call with a GrowUp Designer; shop drawings showing the plant layout are produced from final as-built dimensions confirmed by the onsite team.

System Components

Hex Pot System (SG-CLW-H)

- Hex pots and grow bags — Individual potted plants hang on rails. Water runs from the bottom of one hex pot into the top of the pot below it.
- Rails and mounting — Vertical aluminum rails mounted to the host wall carry the full loaded weight; fastener type is set by host wall material.
- Irrigation — Waterproofing materials, main irrigation lines, and drains determined by project specifics.
- Cosmetic trim — A variety of materials can be used for trim to meet the aesthetic goals of the space.

Tray System (SG-CLW-T)

- Tray units — Molded modular trays that snap together vertically; integral holders accept standard 4" nursery pots.
- Mounting — Pre-formed screw holes for direct attachment to the host wall; optional clips connect sections horizontally.
- Irrigation — Integral water reservoir at each pot; each pot fitted with a wick for passive irrigation.
- Waterproofing — Continuous membrane on the host wall.

Irrigation Options

Both systems support three configurations, selected on available site utilities and confirmed with GrowUp Greenwalls:

- Option A — Manual watering: No fixed plumbing. Water applied by hand to the top row; drains by gravity through each column.
- Option B — Drip feed: Water supply with backflow preventer and pressure regulator. Excess water routed to a drain. May run on an automated timer.
- Option C — Recirculating: A reservoir/catch tank recirculates drainage back to the supply line; no drain required.

Watering frequency and volume are determined by GrowUp's logistics team based on environment, plant species, and quantity, and provided to the Owner prior to handover.

Plant Material

- Plants selected with GrowUp Greenwalls to suit the specified light levels, environment, climate, and maintenance frequency.
- Full-size plants deliver a finished, full look on install day. Individual plants can be replaced one at a time.

Installation

GrowUp Greenwalls offers nationwide installation and commissioning by its experienced team, which is the recommended path. Where installation by the GC or a designated subcontractor is required, GrowUp provides full manufacturer's installation instructions and coordinates with the installing trades before and during installation. Plants are transplanted off-site prior to delivery so the wall installs full and finished.

Maintenance

Ongoing maintenance keeps the living wall thriving. GrowUp provides a recommended maintenance plan during design/logistics, tailored to environment, plant species, and system size, and offers maintenance solutions nationwide (or connects Owners with trusted local partners).

