

SIU Sustainability Council Project
Final Report

Faculty advisor (if applicable):

Project title: Rec Center – Green Wall

Project I.D. #:

Award date:

Completion date: January 2015

Funds used (if different from award amount): \$1050

Funds Awarded: \$850

Brief write up of project/project experience (not to exceed 250 words):

We installed a Small green wall system. Gro wall system that feeds individual plants with a concealed irrigation system. Gro wall is fixed directly onto the wall. No additional framework required. It is a modular system allowing easy vertical and horizontal expansion. Plant systems are planted from 90, 62.5 and 45 degrees. Individual planting cells accommodate multiple plants and even plant and design changes.



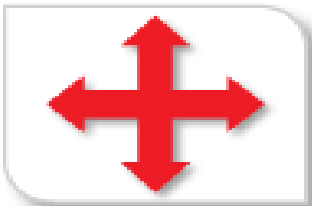
New I.P.I. System

Gro-Wall® 3 features Individual Plant Irrigation concealed within the structure.



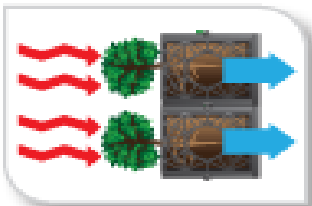
I.F.S. System

Integrated frame work system. Gro-Wall® 3 is fixed directly onto the wall. No additional frame work is required.



Modular

Gro-Wall® 3 is a modular system allowing easy vertical and horizontal expansion.



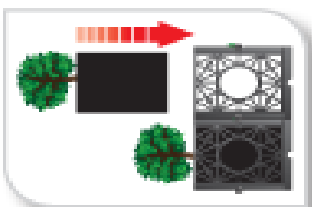
Thermal Insulator

Gro-Wall® 3 performs as a thermal insulator for buildings, cooling in summer and retaining heat in winter.



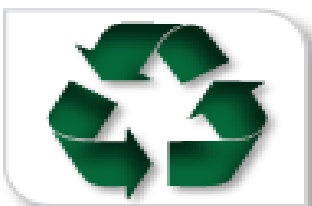
Versatile Planting

Plant stems are planted at angles ranging from 90°, 62.5° and 45°. Individual planting cells accommodate multiple plants & grasses.



Accessible

Gro-Wall® 3 features easy accessible planting cells allowing easy maintenance and even plant and design changes.

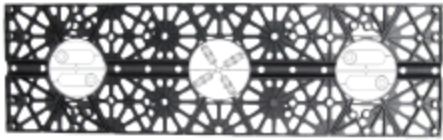


Made From Recycled Materials

Gro-Wall® 3 is made from high grade recycled materials.



Gro-Wall® 3 included assembly parts & assembled kit dimensions



18 Long Plates



24 Dividers



18 High Quality Planter Bags



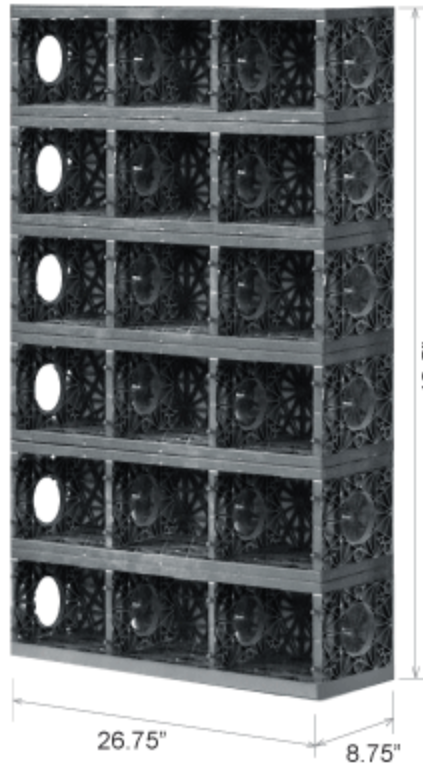
24 Locking Clip



48 Connectors



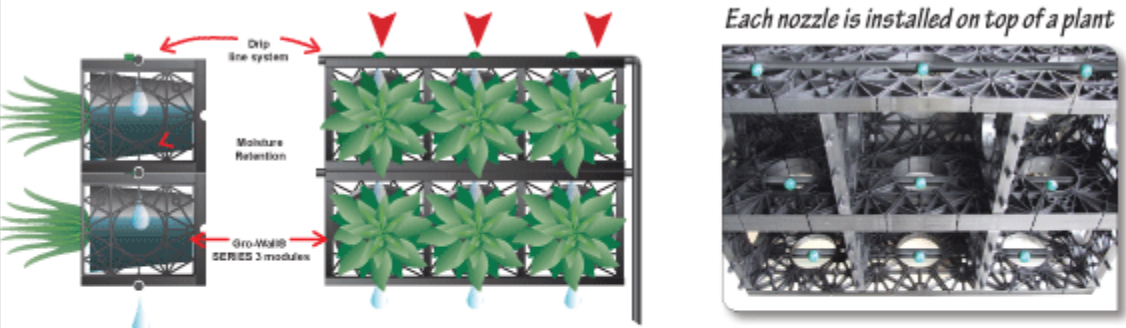
72 Pot Retainers




Best things learned/produced from project:

This project directly engages students in visual identification of green sustainable projects on campus.

Irrigation Setup For Gro-Wall® 3



Each nozzle is installed on top of a plant



Gro-Wall® 3 features I.P.I.™ Individual Plant Irrigation system that allows conventional drip heads and irrigation conduits to be installed within the Gro-Wall® framework. Each plant cell is irrigated directly via a drip head nozzle.

How do you define sustainability?

The quality of not being harmful to the environment or depleting natural resources, and thereby supporting long-term ecological balance.

Has this changed over the course of your project? If so, how?

No. our belief in the definition above has been strengthened.

What do you see as the next step for the project?

We would like to continue this project in the future since many students have had very positive comments on the green wall. We will be looking to expand and increase the size of wall.

Optional: Do you have any suggestions for the SIU Sustainability Council to improve the Green Fund award process?