



<http://bynaturedesign.ca>

[info@bynaturedesign.ca](mailto:info@bynaturedesign.ca)  
+1 (855) 436 2919

1000 Parker Street  
Studio 490  
V6A 2H2, Vancouver, BC

20 Ashwarren Road,  
North York, M3J 1Z5





BEAUTY FROM THE EARTH

# nature's masterpieces

Breathing life into mundane office spaces. Transform the places where we spend so much of our lives.  
After all, shouldn't every office be an oasis of inspiration?

LIVING GREEN WALLS







## **LIVING GREEN WALLS**







Unique focal points, beautifully crafted to bring what you love of the outside, inside.  
Order yours today.



## System overview

### IRRIGATED POT AND TANK SYSTEM

The Pot Kit consists of a honeycomb pot, a geo-textile planting bag and an aluminium rail. The bag holds the plant and is tied into the pot. The pot is clipped onto the rail. The system's honeycomb design allows the pots to be packed tightly together making for optimal use of space. The vertical gardens have no gaps between plants, giving the wall a lush look from day one. Our modular water tank system allows for a water catchment area underneath the pots. With plug-and-play tanks you can install gardens indoors or be water wise outdoors. The pump is attached to an electrical outlet.

-  Automated system
-  Honeycomb-inspired design
-  Flexible, fast, fullness guaranteed
-  Design flexibility
-  Indoor or outdoor installation
-  Recycled, improved sustainability



**DRIP IRRIGATION** The dripper system is installed at the top of the wall, dripping water into the pots. The water drains through the pots and down the system, into the tanks. The same water is used again in the irrigation system by a pump installed in the master tank, making it an environmentally friendly solution. Timed watering is done on a wet-dry cycle. Flood irrigation means water will fill the system for one hour, flood the full system, and then be left to dry before watering again.





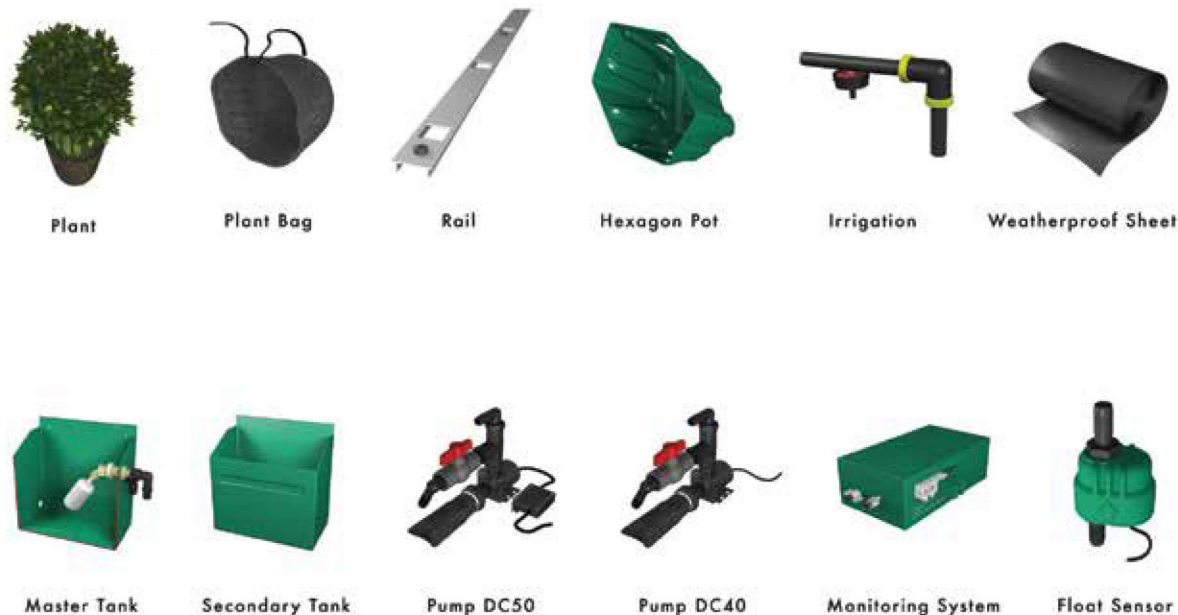
## Components

**SOIL BASED** Plants are grown in soil, the way they grow naturally, a truly organic solution. Planting soil also substantially reduces maintenance compared to the common hydroponic vertical garden. The water is stored in the soil for longer periods of time ensuring longevity of the plants.

**ENERGY EFFICIENT** Using a flood irrigation system, the pump is only runs for 1 to 2 hours at a time and therefore uses less electricity than traditional hydroponic solutions.

**AUTOMATION** Automation of the whole system is simple to install. The pump is connected to the timer, set to allow for the correct amount of watering time depending on climate and plant types being grown. The water input is connected to the master tank and controlled by the float valve that allows the system to refill as needed.

**A CAD DRAWING** with design, layout and size of green wall is signed off by the client prior to date of installation.



**L I G H T I N G** Lighting is crucial to any living green wall and the maintenance of the plants. Producing an even flood that does not have “hot spots” and “cold spots” on the wall is vital to the success of the plants. If uneven lighting occurs, the wall’s watering requirements will change and be uneven. Our recommendation is the track LED lighting which provides consistent lighting throughout the wall.