

THE URBAN ARK OF BALTIMORE

Urban Agriculture Grows Up

A Vacant Corner



A Passive MicroFarm



Option

10,000 Ft

The Big Idea



The Big Products

VertiCrop



Omega Garden



The Small Products

Tower Garden



Synergy



The DIY Products

Window Farms



Instructables



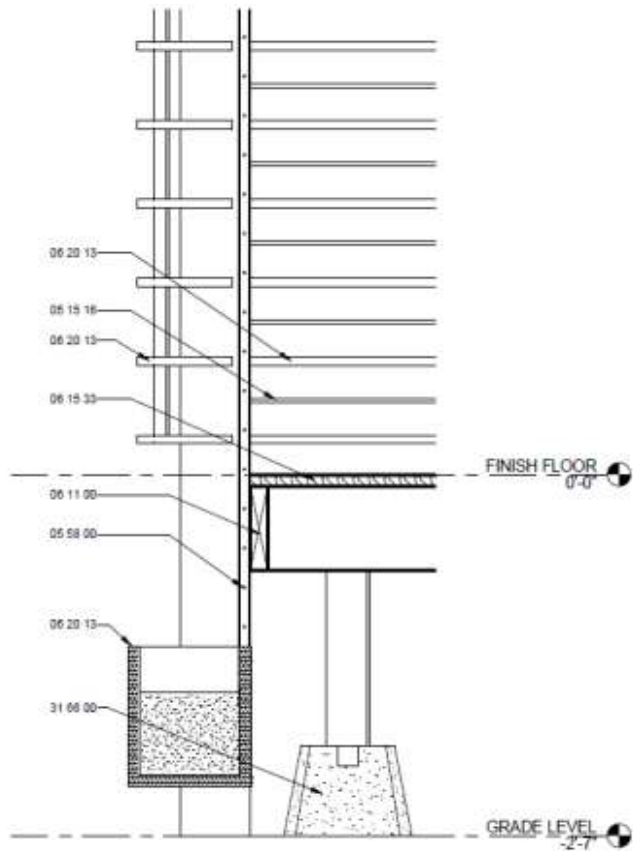
The Food

- Amaranth (vegetable type)
- Arugula
- Bayam
- Beans: Lima, bush, pole, shell, fava, green
- Broccoli
- Broccoli Raab
- Brussels Sprouts
- Cabbage and Chinese cabbage
- Cauliflower
- Chard, all types
- Chicory
- Collards
- Cucumbers
- Cress
- Dandelion, Italian
- Eggplant, European and Asian
- Endive
- Escarole
- Garbanzo beans
- Gourds, edible and ornamental
- Kale
- Kinh gioi
- Kohlrabi
- Komatsuna
- Leeks
- Lettuce, all types
- Mesclun Varieties
- Melons, all types
- Misome
- Mizuna
- Mustard Greens
- Ngo Gai
- Okra
- Pak Choy
- Perilla
- Peas, all types
- Peppers, all types
- Radicchio
- Sorrel
- Spinach
- Squash, all types
- Strawberries
- Tomatoes, all types

The Local Experience



Watershed: Solar Decathlon Winner



2 PERGOLA GREEN WALL BASE
1/32" = 1'-0"



WaterShed: Green Wall Final Stage



Pilot

Ground Level

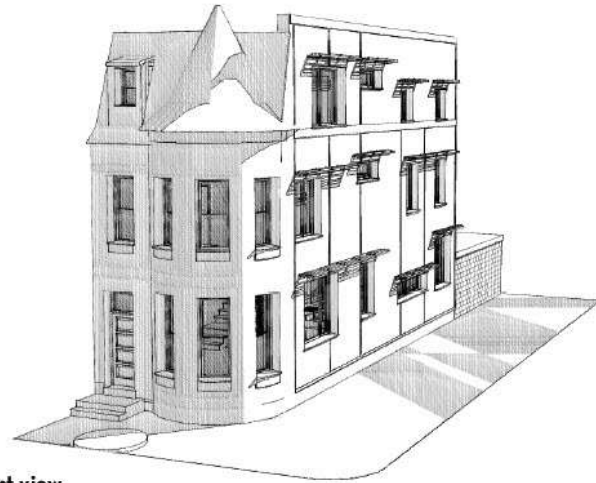
A Vacant Corner



An Ark to Sustain a Flood



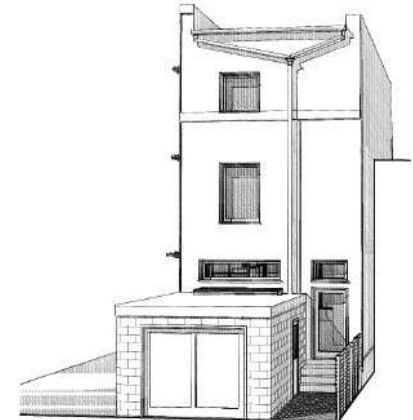
- 70-80% reduction in total energy use
- 15% premium vs. 10% operating cost
- Superior Indoor Environment



front view



south east view



north east view

An Ark to Drive the Train



Working with Baltimore Assets

□ Building Protection

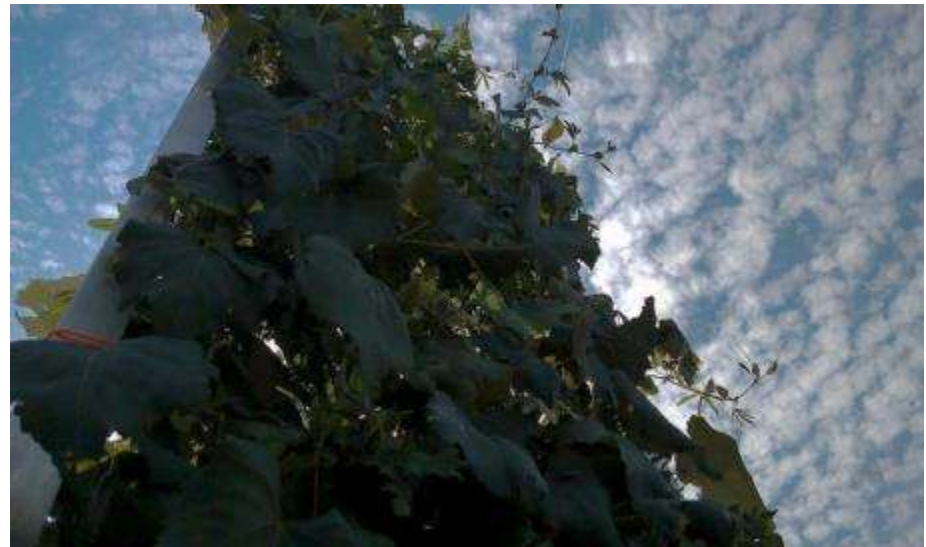
- Deteriorate in the Sun...Or Feed Plants
- Overheat the Walls...Or Shade the Home

□ Environmental Services

- Breathe Fumes... Or Purify Air
- Hear the Sirens... Or Sleep Quietly
- See Nothing... Or Be an Ecosystem

□ Economic Freedom

- Pay for Ground... Or Use Your Own
- Pay for Energy... Or Create Your Own
- Pay for Food... Or Trust Your Own
 - Thornless blackberry
 - Seedless Thompson grapes
 - Concord grapes
 - Passion flower



Thank you



What Is Your
Question?

See for Yourself

□ Bioshelters

- www.thegreencenter.net/pdf/BiosheltersofNAI.pdf

- www.bioshelter.com

□ Vertical Farms

- www.verticalfarm.com/

- www.economist.com/node/17647627

- www.treehugger.com/green-food/gordon-graff-demonstrates-that-vertical-farms-can-actually-work.html

□ Local Progress

- www.urbanark.info

Next Steps

- ~~Establish Location / Building~~
- ~~Define Funding Sources and Limits~~
- ~~Complete Architectural Design~~
- ~~Gather Community Commitments~~
- ~~Build Website~~
- Determine Contractor
- Begin Renovations
- Move in

URBANARK

Your Freedoms by Smart Systems



Low-Income Homes

A Social Enterprise Benefits Home Builders and Low-Income Families

TODAY'S GOOD



SS Vertical Farm

A Former Chicago Meatpacking Plant Becomes a Self-Sustaining Vertical Farm

TODAY'S GOOD



Vertical Greenhouse

A 'Vertical Greenhouse' Could Make a Swedish City Self-Sufficient

TODAY'S GOOD

