



GREENFIELD HYDROPONICS GLOBAL

Turnkey System for creating Urban Organic Produce Farms



Organic Cucumbers

6000 SF Greenhouse

Complete Controlled Environment Agriculture

Grow System



Configuration:

- ◆ 1-6000 SF Greenhouse with Nursery
- ◆ 210 - Vertical Channels that yields 726,000 lbs per year
 - ◆ Proprietary Control Center
 - ◆ Climate, Fertigation & Aeration System
 - ◆ Illumination System

<https://www.greenfieldhydroponics.com/>



36' x 168' (6048SF) Greenhouse at 16' under gutter height (13'6" under truss)

- Hot dipped galvanized frame
 - Hot dipped galvanized gutters with downspouts- PVC not included from downspouts for drainage
 - 16' tall sidewall height
 - 12' post and truss spacing and 6' roof bow spacing
 - Flat cord truss system
 - Two roof vents with motors and contractor panels
 - (2) layer 6mil 4-year double poly roof- 1 layer IRAC and 1 layer Clear
 - (2) gable walls with 8mm blackout polycarbonate including framing and extrusions
 - (2) sidewalls with double poly clear film including framing
 - Double camlock base + inserts at top of sidewall
 - Single camlock base + insert on customer supplied base board
 - Air jumper kits and inflation fan
 - (8) 20" Schaffer HAF fans
 - (2) Modine 400,000 PTP heater- gas type to be determined (does not include vent stack)
 - 3 layer blackout curtain- 3 layer fabric , motors, contractor panels, cable driven system
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- Nursery space 600SF
 - Fertigation System
 - Climate & Aeration System
 - Evap Cooling & Exhaust Fans
 - PLC Control Center 200SF
 - Illumination System
 - 210 Vertical Grow Channels (70 by cycle)
 - Estimated annual yield: 180,000 lbs staggered for monthly production



Daily usage:

Energy: 60 kW/ day

Water: 360 gallons/1362 liters/day





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Custom Project Design/Build Services

System can be adapted to existing buildings

***On-Site Installation *Training *Support**

- **Optional Atmospheric Water Generator System**



- **Optional Electrical Power Generator**

Custom-Built Primary/Standby Generators

Provisioned to ensure clean, constant and steady electrical power for

Hydroponic Systems and Atmospheric Water Generators



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