

Skygreens Canada

VERTICAL FARMING SYSTEM



CANADA'S FIRST LOW CARBON HYDRAULIC DRIVEN COMMERCIAL URBAN GROWING TOWERS

Available Now at Sky Greens Canada (A
Division of Strawman Farms Inc.)



Multiple Award-Winning Structure For Quality and Innovation



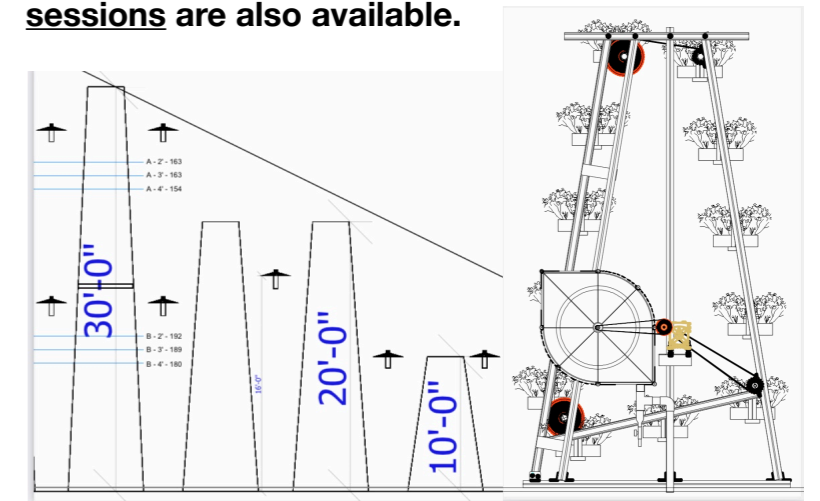
- International Diamond Prize for Excellence in Quality
- International Diamond Prize for Quality in Research
- Minister of National Development R&D Award
- Singapore Business Federation Sustainability Award



Tower Information

Towers are available in 3 different sizes (3, 6 and 9 meters in height) and any Quantity.

Installation supervision, parts/service and info sessions are also available.



Contact: Ron Boutin Cell: 1-(403)-820-4626
Email: ynotgoats@gmail.com

Low Energy Use

- A-Go-Gro (AGG) system uses patented low carbon hydraulic driven green technology to power the rotation of the tower.
- The rotation of the troughs ensures all the plants get adequate sunlight.
- Uses 0.5 litres water to rotate the 1.7 ton vertical structure.
- Only 60W electricity (equivalent to one lightbulb) is needed to rotate one 9m tall tower.

Low Water Use

- Irrigated using flooding method with no run-offs.
- Low water usage as it can be recycled and re-used.



Low Cost & Wastage

- Low energy and water usage, hence low utilities bill
- Highly efficient use of manpower
- Use of sunlight and protected greenhouse for sustainability (or can be used in any building with proper lighting)
- Organic wastes can be composted at your choice location

High Yield

- Highly efficient use of land
- 10x more productive than conventional soil based farming

High Quality

- Best farming practice - food safety
- Locally produced - food security
- All year production in a protected environment - food supply assured

High Adaptability

- Scalable modular system allows for quick installation and easy maintenance
- Rotation of planting troughs allows for easy harvesting
- System can be customized to suit different crops

Key Economics

10x More Yield:

- Up to 10x more output compared to traditional open field farms

95% Less Water

- Uses only 12 litres of water to produce 1kg of vegetables and no wastage due to run off

10x Multiple Cycles

- Year-round growing, seasons do not matter



75% Less Labour

- Uses less than half the labour of traditional farming to produce the same output

75% Less Input

- Plant requirements are calculated and a self watering system can be used

Key Economics

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10x



More Yield

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95%



Less Water

Uses only 12 litres of water to produce 1 kg of vegetables and no wastage due to run off

10x



Multiple cycles

year round growing

75%



Less Labour

Use less than half the labour of traditional farming to produce the same output

75%



Less Input

Plant requirements are calculated and there is no wastage due to water run off





Financing
now **AVAILABLE**



New Startups or existing operations that want to grow to new Heights!

Skygreens Canada now Providing Leasing or financing solutions for your purchase of our vertical towers, greenhouses including and all supporting equipment o.a.c.

You already know what growth looks like to you. We're here to help make it happen – Quick approvals to give you a leasing/financing solution that works
Serving Clients Canada wide.
www.skygreenscanada.com

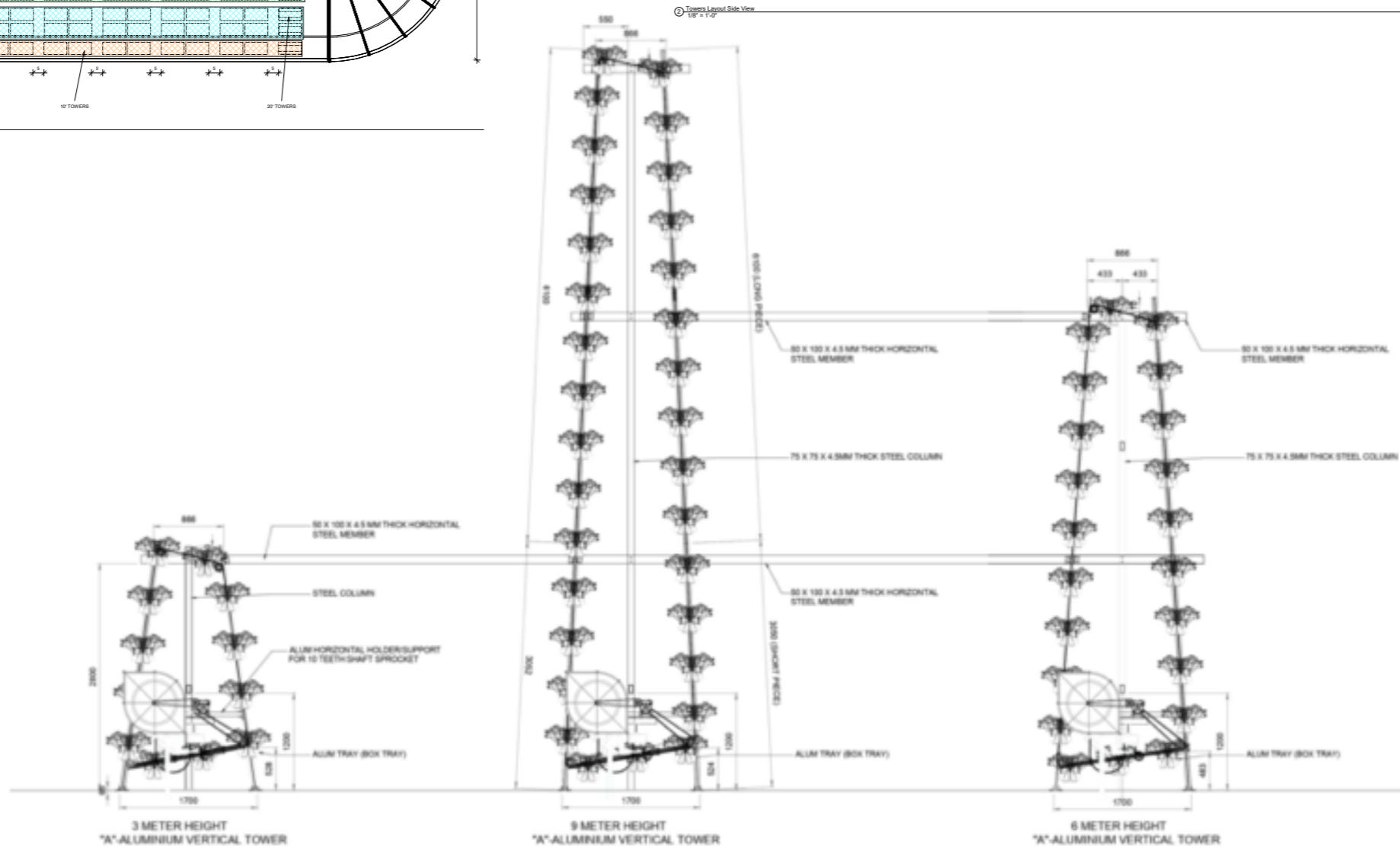
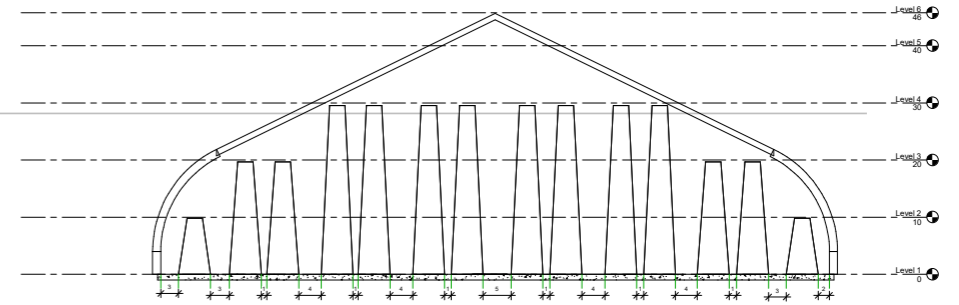
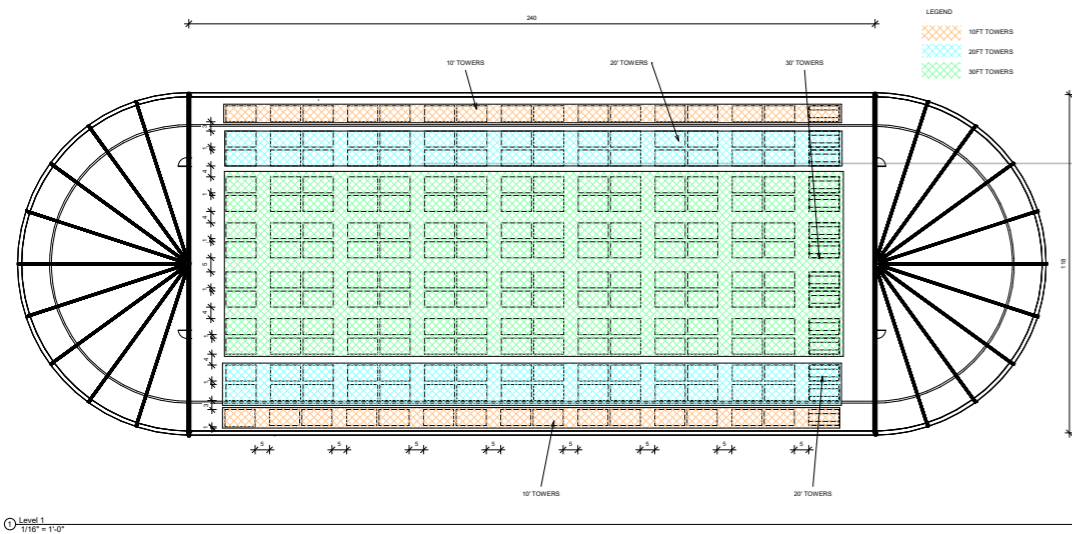


Skygreens Canada-
Joining Forces
with SkyGreens Singapore.
to Ensure a world wide
Supply of Safe, Clean
Food.

Now Manufactured in Canada

WWW.SKYGREENSCANADA.COM

3 Different tower sizes to meet your building height!



Vertical Farming System for Production of Leafy Vegetables



Engineering Solution

- Dimensions:
 - 6m (H) x 3m (L) x 1.85m (W)
 - 26 troughs x 48 plants
 - **Up to 4 rotations** a day
- Low energy consumption
 - Innovative **water pulley system** to rotate structure
 - Harness natural sunlight
- Design allows **factory like production** with controlled inputs
 - **Increase number of crop cycles**



3Rs Design –
Recycle, Reduce & Reuse

Agronomy Solution



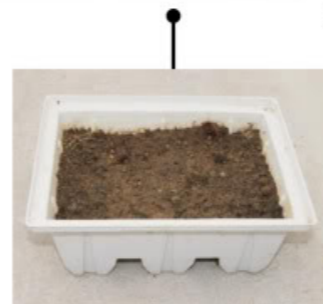
Protected Cultivation



Transplanting technology



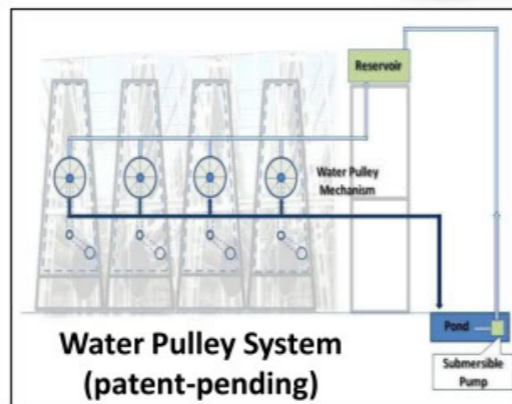
Smart irrigation & fertigation



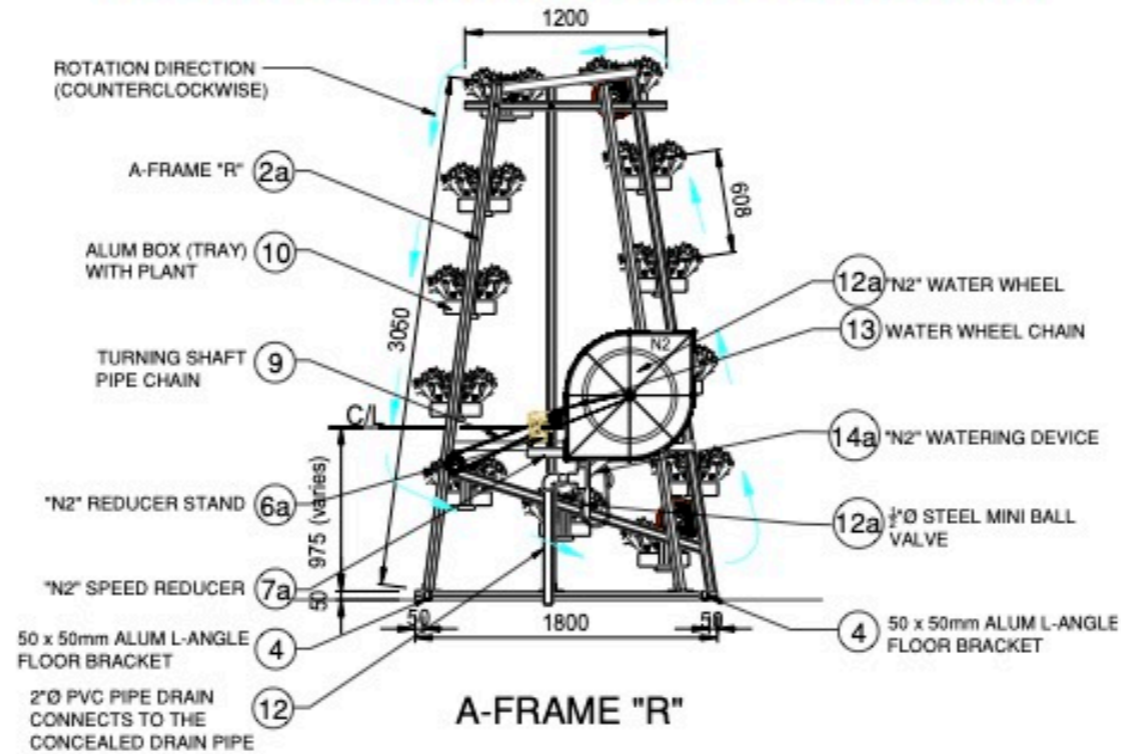
Optimum growing media for tray planting



Suitable vegetable variety



**Tower foot print 6 ft. (1828m) By 10 ft. (3048m)
For all 3 tower sizes 3m, 6m, and 9m.**



ELEVATION "R" (VIEW FROM CORRIDOR)

- Modular designed system – Increased production.
Food Safe - easy to clean and maintain equipment
Less environmental impact (water, energy, no run off)
More light (sweeter, better quality colour)
Better ventilation for rotation and coverage (less disease and use of chemicals)
Hanging fruit (longer shelf life)*
Custom tray designs allows for high crop diversity.
Plants can grow in natural soil, not restricted to hydroponics or synthetic systems.
Crops Examples: Strawberries, Spinach, Kale, Lettuce, Leafy Green Mix, Parsley, Thyme, Mint, Coriander, BakChoi, Chives, Carrots, Basil, Radish, Arugula, Flowers, Herbs, Spices, and many many more



Market Fundamentals.

MARKET FUNDAMENTALS.

The fundamentals of vertical farming remain extremely strong. Recent challenges with Covid 19, supply chain disruptions, unpredictable weather, fire and water shortages in Mexico and California, plus steadily increasing demand for better tasting, local, healthy and organic foods all work in our favour.

Overall, the vertical farming market saw 19% growth in 2020. Growth is expected to escalate, with the North American market forecasted to scale from \$3.25B in 2020 to \$15.7B by 2025.

THE DEMAND FOR LOCAL FOOD

It's important to note that Canada imports 80% of its fresh fruit each year. Canada imports 95% of its produce during winter months. And 58% of our vegetables

“Canada imports 80% of its fresh fruit and 58% of its vegetable each year.”



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