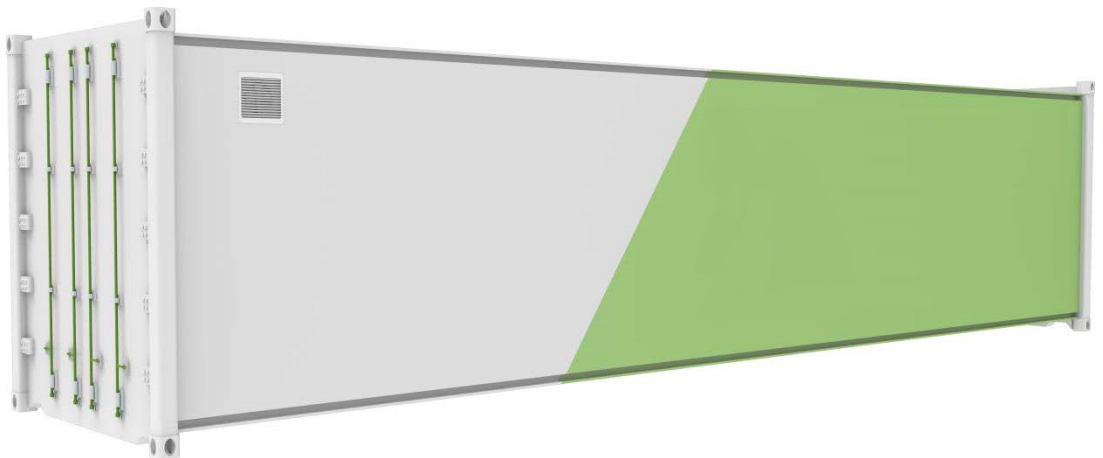


## Futur Vert Grow Box System



**Front Side**



**Back Side**

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**All information provided in this document is FUTUR vert Confidential and Proprietary.**

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## **1 Introduction**

FUTUR Vert Grow Box System is a fully functional farm that is constructed inside a converted 40ft shipping container. It is equipped with the latest LED lighting, Climate Control computer and Aeroponic or Hydroponic grow systems. The FUTUR Vert Grow Box system can be separated in two sections: Carrier system section (Container) and moveable Trolley System section. The FUTUR Vert Grow Box is identical enabling growers to easily plan their year round production because the Climate Control computer can control the environment inside the container through our WIFI enabled software. All crops grown are consistently high quality and fresh. The container's closed loop system keeps the crops bug free, eliminating the need for herbicides and pesticides. Plants are fresh, flavorful and available 365 days of the year.

### **1.1 The Advantages of FUTUR Vert Grow Box System**

- **Plug And Play**

The basic container uses a “plug and play” concept and allows quick and simple installation of the container on site meaning you can be harvesting within a month of delivery. Just connect the Pod to a water and electrical source and start growing over 150 varieties of plants.

- **Modular Container**

FUTUR Vert Grow Box system allows optimization of space, and increase of the growing area. It can be stacked high and wide to accommodate a growing demand. Below figure describes the specifications in detail.

- Save time for construction.

The FUTUR Vert Grow Box System manufacture lead time will be 4-6 weeks. It shorten the time of construction for building the greenhouse or decorating the warehouse. It provide the fastest market response.

- FUTUR Vert Modular Trolley System

The FUTUR Vert Modular Trolley System provide flexible and moveable function. Unlike to traditional container farm with fixed hydroponic pod system which is hard to clean and waste time to harvest inside the grow box FUTUR Vert Modular Trolley system can be wheeled in and out of the Pod for planting, cleaning and harvesting which in order to maximize the time of grow box operation cycle.

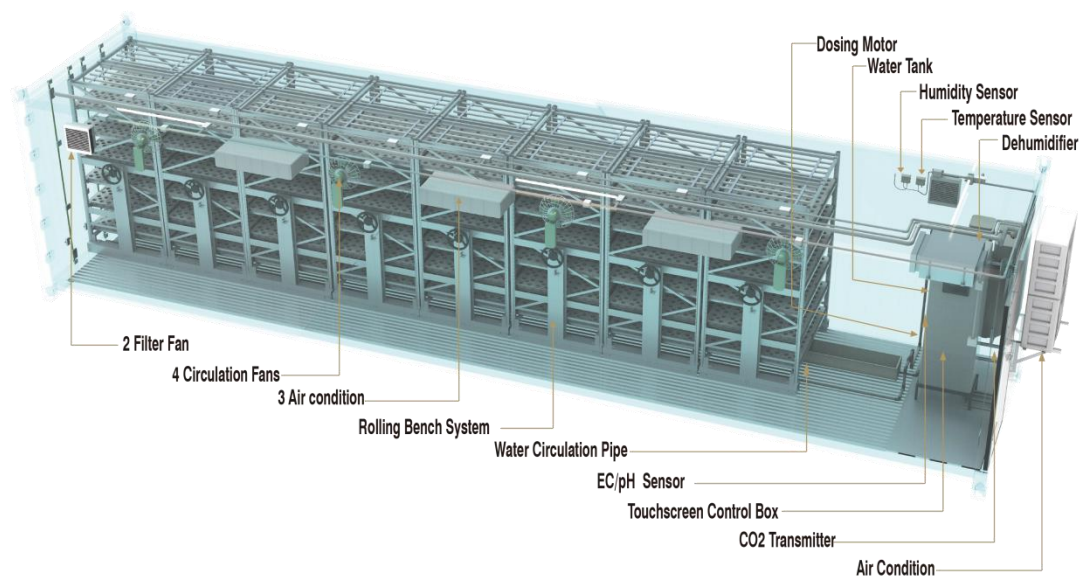
- FUTUR VertFull Spectrum Grow Light

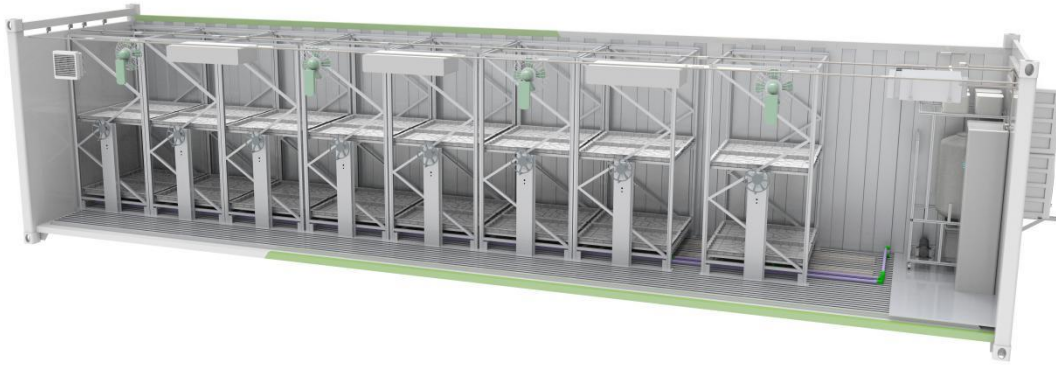
The FUTUR Vert Grow Box is fitted with our specially designed LED lights giving growers an unprecedented ability to control their plants' lighting environment. The spectrum can be tailored to suit the requirements with 'plant recipes' enabling semi-automated delivery of the exact spectrum and intensity of light that a plant needs at any moment in its growth cycle. Based on extensive scientific research, FUTUR Vert LEDs allow you to adapt the lights height, intensity and growing span to deliver the optimal performance throughout the plant's growth cycle with the FUTUR Vert Grow Box FUTUR Vert Grow Software and System Control.

The FUTUR Vert Grow Box are driven by a software system, which allows you to adjust and manage every element of the growing system from a computer allowing you to adjust

the lighting, CO2, Nutrients, PH, EC, Water Levels, Air Temperature, Humidity, Fans, Water Temperature, WaterFlow and general health of your plants in the Box

## FUTUR Vert Grow Box

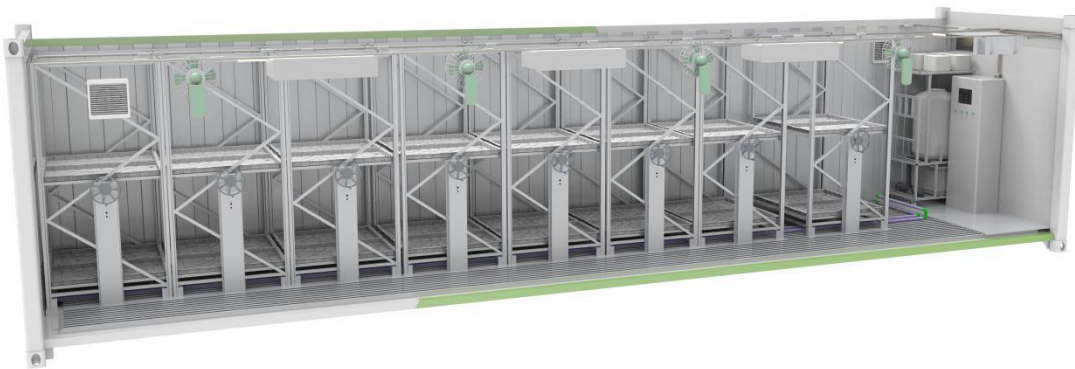




## 2 FUTUR Vert Grow Box Details

FUTUR Vert Grow Box combine by two section which are Carrier System and Modular Trolley System. The Carrier system support all the FUTUR Vert Trolley system, there are several versions of FUTUR Vert trolley system such as Medical Marijuana and Leafy Green, Which provide the growers with flexibility of choosing the suitable Trolley for their grow.

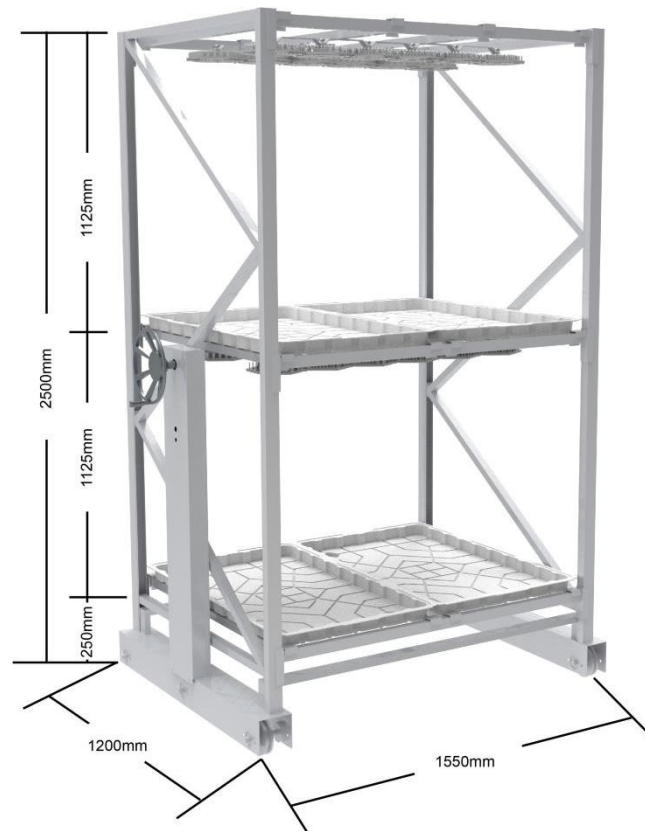
### 2.1 Carrier System + Grow Auto system



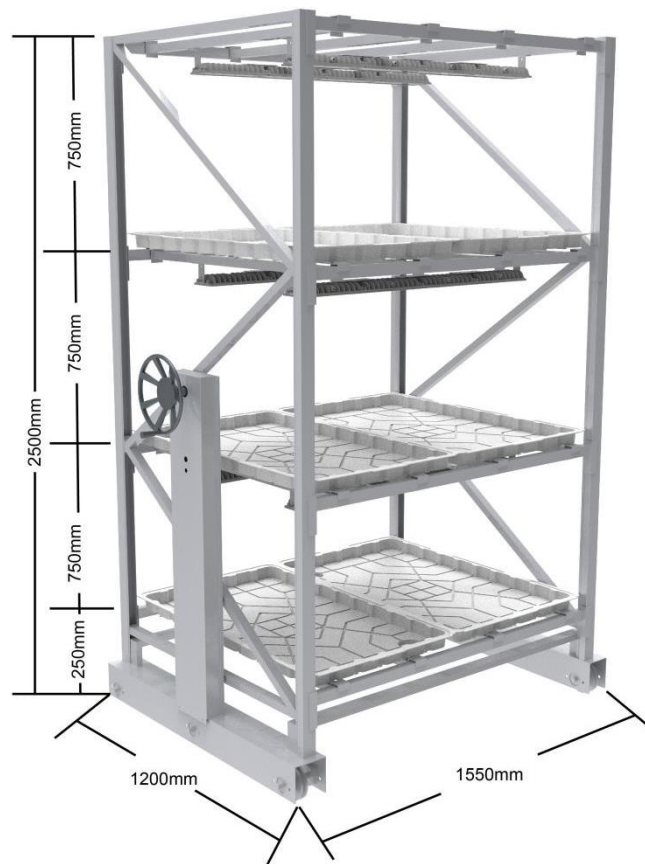
## 2.2 Modular Trolley System (Medical Marijuana)

The Trolley system have installed the completed system with the full spectrum LED light. It is modular and independent. It can be operated either at the FUTUR Vert Carrier system or at the any Basement and Warehouse which is easy plug and play.

- Flower Modular Trolley (Two Tiers)

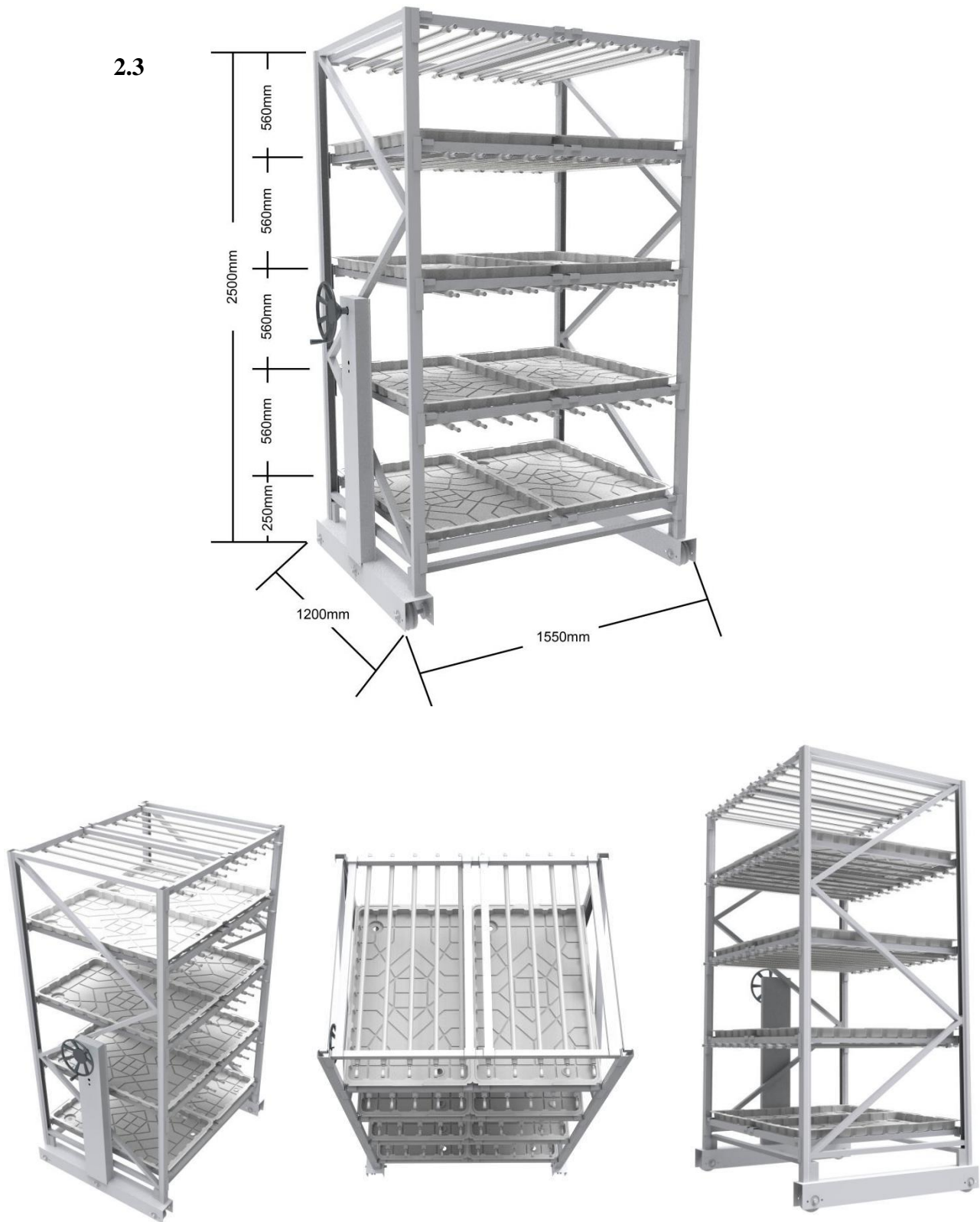


- Vegetative Modular Trolley (Three Tiers)





- Cloning Modular Trolley (Four Tiers)

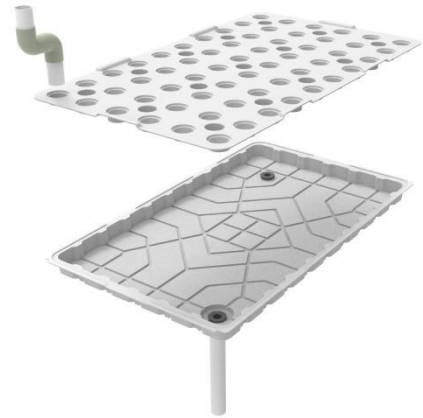
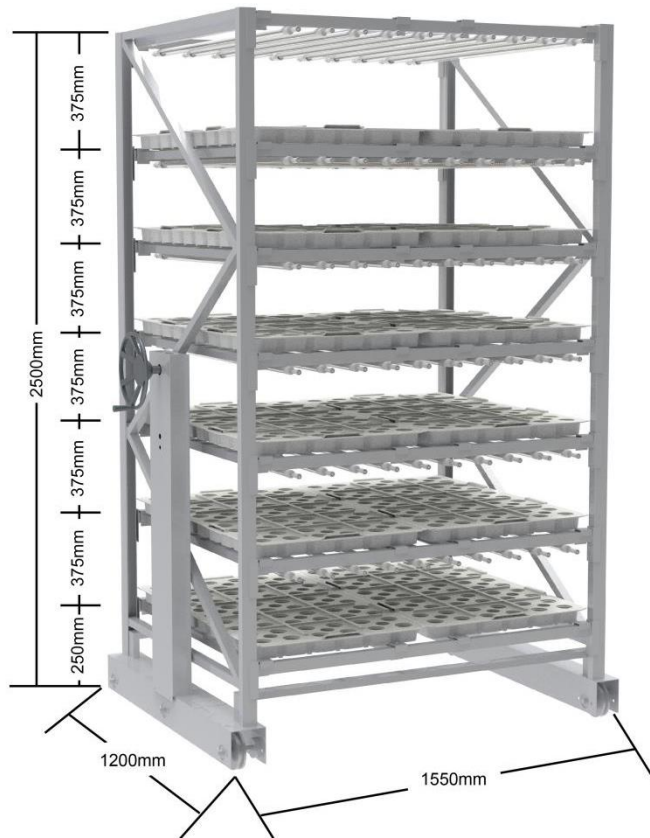




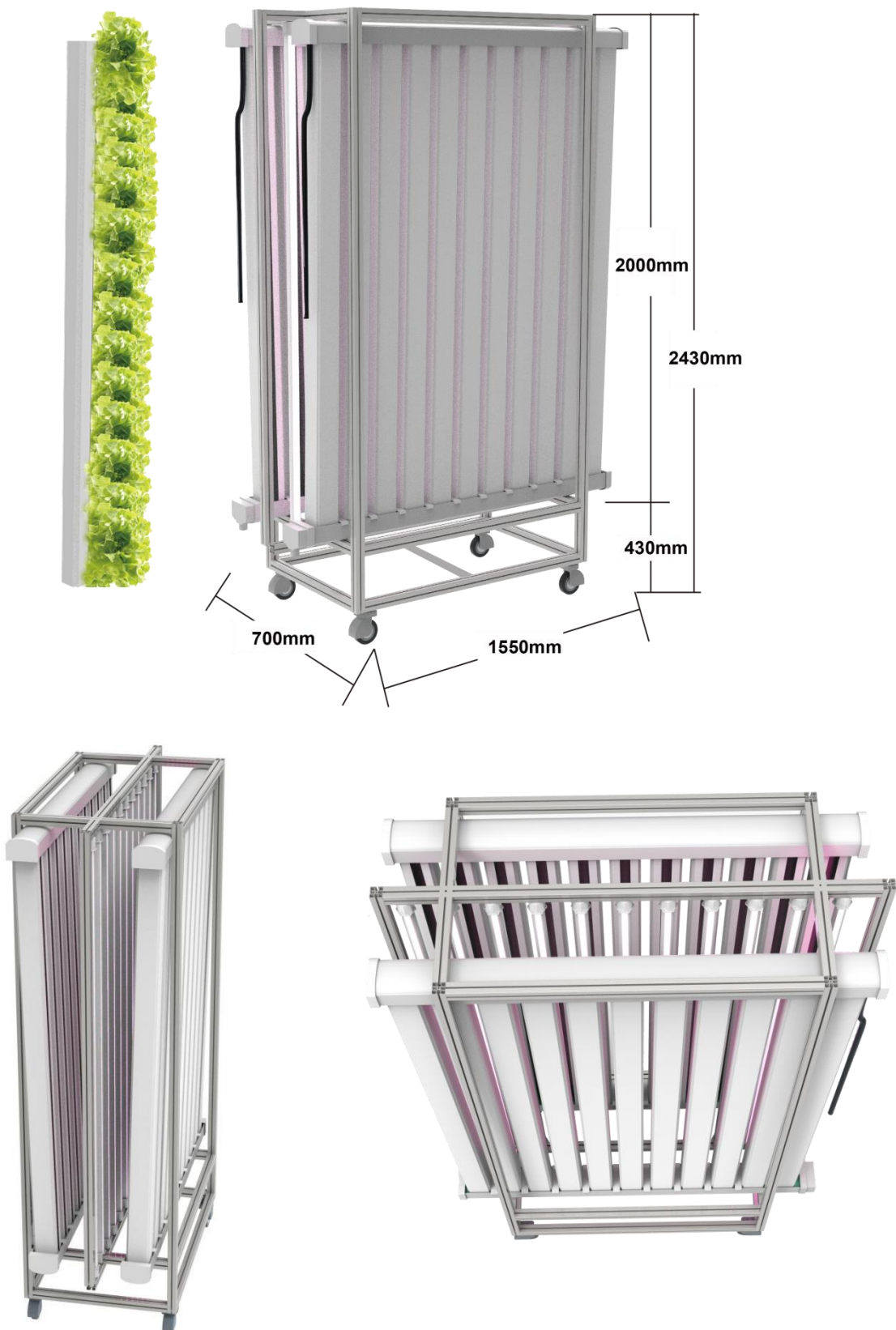
Equipment & Devices List of Grow Container-Medical Canabis					
					Date:Apr.6,2019
Item	Module	Equipment & Devices	Unit (set)	Power Consumption (KW)	Remark
1	Container Plus-in	Container box with isolation	1		40': 12.19*2.438*2.591m
2		Exhaust Fans	2	0.1	
3		Convection Fan	4	0.32	
4		Container Lighting (22W Green-tube)	2	0.04	
5		Air-Con 36000BTU	1	3.6	
6		Power Box	1		
7	Inteligent control system	Irrigation Pump	1	0.24	
8		Recycle Pump	1	0.06	
10		PH Sensor	1		
11		EC Sensor	1		
12		Carbon Dioxide Sensor	1		
13		Dehumidifier (1.2KW)	1	1.2	
14		Humid/Temp sensor	1		
15		Nutrient Pumps 4-channels	1		
16		Water Tank 300L	1		
17		Water level sensor	1		
18		Control Panel with display	1		
21	Rolling Racking system for Flower	Flower 2 Tiers Racking System	8		
22		Lighting Sulis-600W	16	9.6	
23	Rolling Racking system for Vegetative	Vegetative 3 Tiers Racking System	8		
24		Lighting Sulis-400W	24	9.6	
			Total	15.16	

## 2.4 Modular Trolley System (Leafy Green & Vegetable)

- Vegetable & Leafy Green (Six Tiers)



- le & Leafy Green (Vertical)

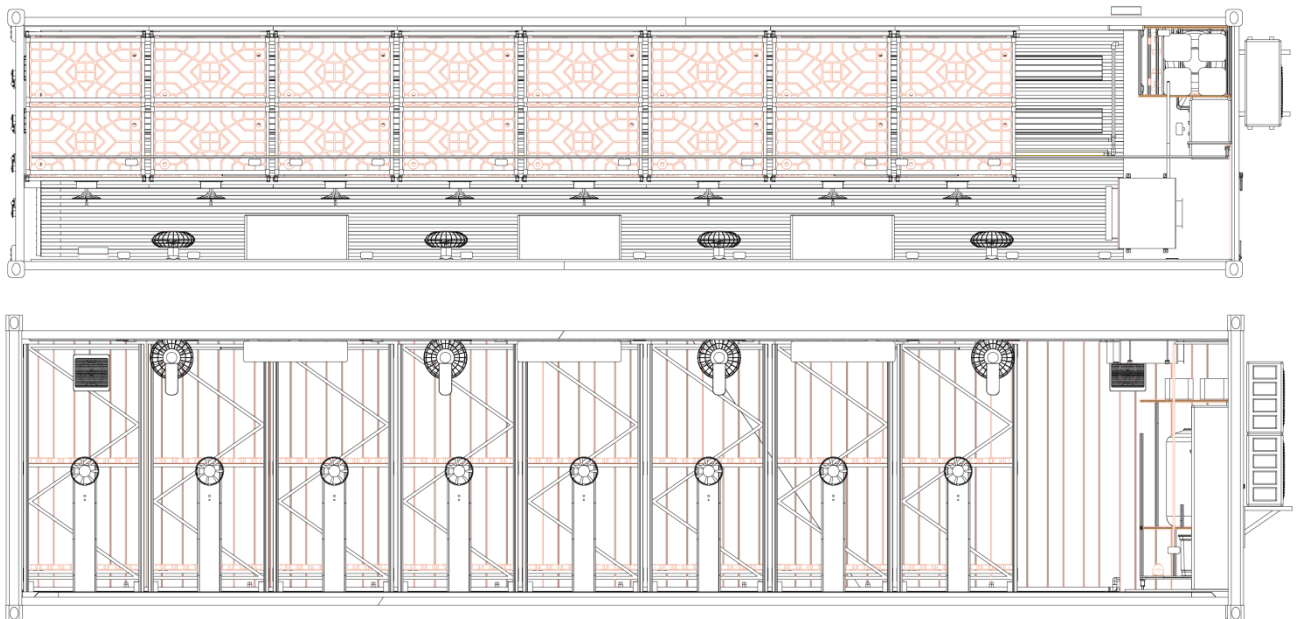


Equipment & Devices List of Grow Container-Vegetable					
				Date:Apr,6,2019	
Item	Module	Equipment & Devices	Unit (set)	Power Consumption (KW)	Remark
1	Container Plus-in	Container box with isolation	1	/	40': 12.19*2.438*2.591m
2		Exhaust Fans	2	0.1	
3		Convection Fan	4	0.32	
4		Container Lighting (22W Green-tube)	2	0.04	
5		Air-Con 36000BTU	1	3.6	
6		Power Box	1		
7	Intelligent control system	Irrigation Pump	1	0.24	
8		Recycle Pump	1	0.06	
10		PH Sensor	1		
11		EC Sensor	1		
12		Carbon Dioxide Sensor	1		
13		Dehumidifier (1.2KW)	1	1.2	
14		Humid/Temp sensor	1		
15		Nutrient Pumps 4-channels	1		
16		Water Tank 300L	1		
17		Water level sensor	1		
18		Control Panel with display	1		
19	Trolley Racking system for Veg	Leaf Green Trolley 6 layers	8		
20		Horti-tube 22W	480	10.56	
			Total	16.12	



**Vegetable Pod tray**

- Vegetable Grow Box Layout



### 3. Operation layout.

