



City

An innovative greenhouse to produce at home vegetables and fruit all year round

Technical specifications

Dimensions:

- Area: 3,56m² / 224cm x 159cm
- Height under ridge: 221cm
- Height under gutter: 179cm

Weight :

- Greenhouse alone: 300 kg
- Greenhouse with aquaponics system loaded with water: 700 kg
- Greenhouse loaded with soil and permaculture dams: 800 kg

Optimal operating temperatures:

- From -5°C to 40°C

Power supply:

- Single phase: 230V 50Hz
- Consumption: Less than 70W (if there are no solar panels)

Connectivity:

- Sigfox or Wifi

Water requirements per year (depending on climatic conditions and plant consumption) :

- Without water collectors: 3m³
- With water recuperators: 1m³



A growing space to produce your own vegetables and fruit

🎯 A greenhouse with a controlled climate to protect your crops from changing weather conditions



Recycled aluminium and Securit glass for optimal durability



Optimised temperature and humidity management



Ventilation system with automatic exhaust fans and skylights

🎯 Ein integriertes Anbausystem, um Zeit zu sparen



Sustainable food production system

1 pond and 11 vertical towers

(4 towers as options)



Bioponics / Aquaponics

Aquaponics: combination of fish and plant cultivation.

Bioponics: crops with liquid plant fertiliser.



Permaculture tank

Beds for permaculture self-watering

(2 bins size S + possibility to add more outside)

🎯 An ergonomic cultivation to protect one's health



Easy maintenance due to the vertical towers and the work table



No digging nor weeding



Closed loop irrigation and 90% water saving

🎯 Agronomic support for successful cultivation



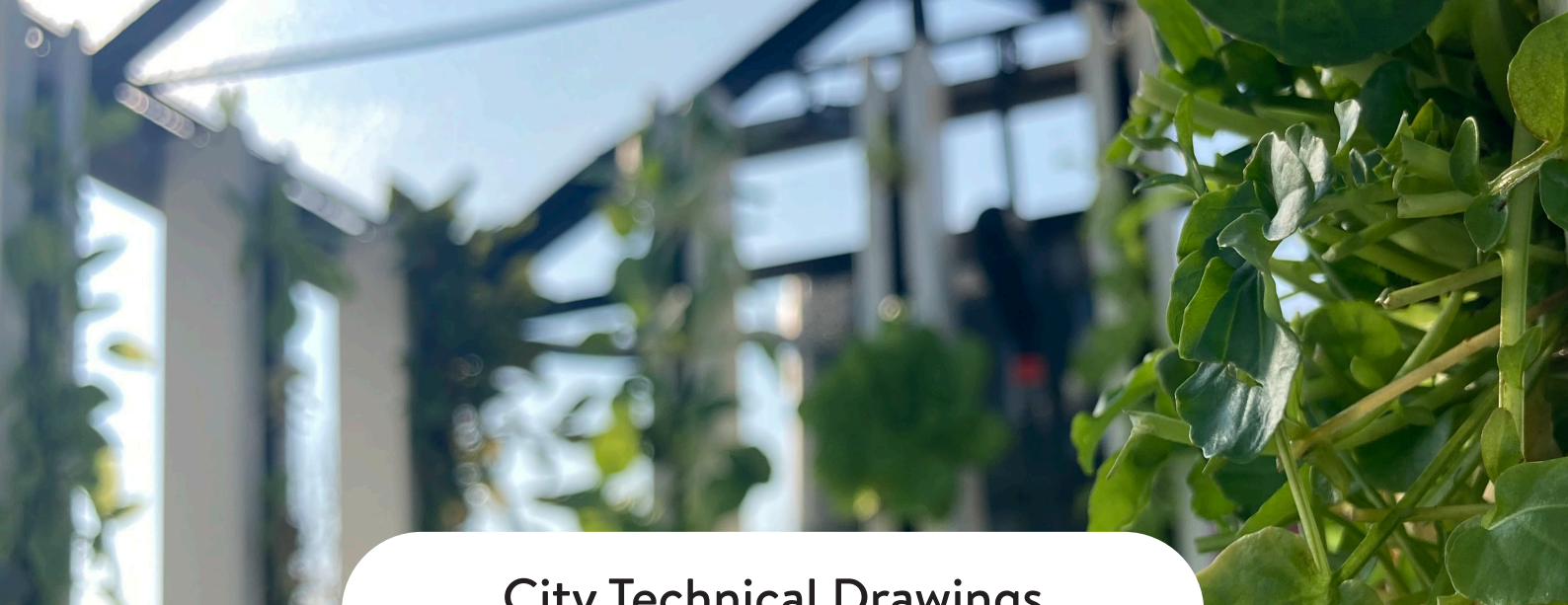
Connected box and Dashboard



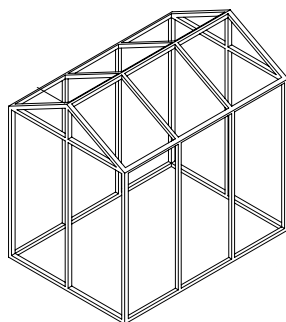
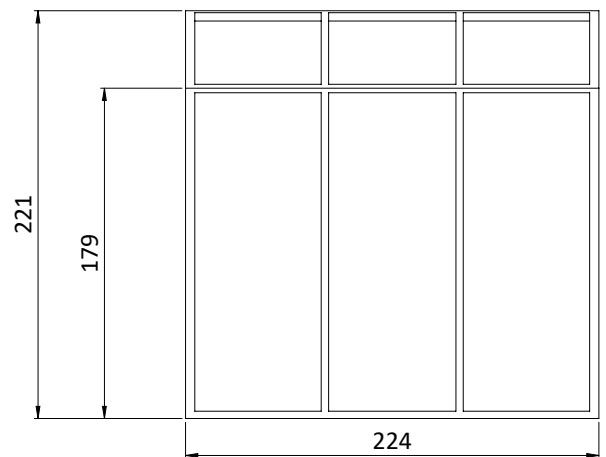
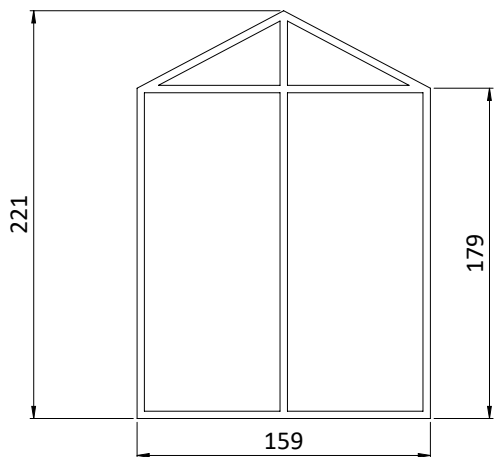
Community for mutual support on a digital platform

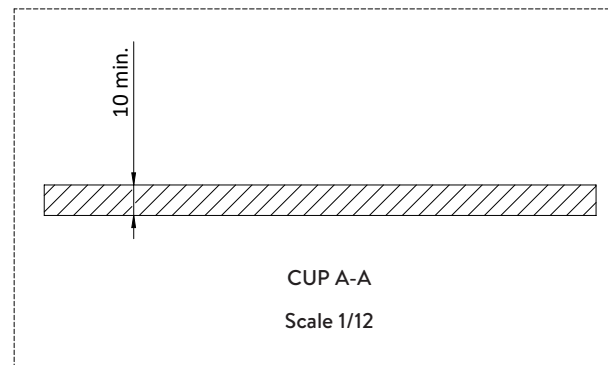
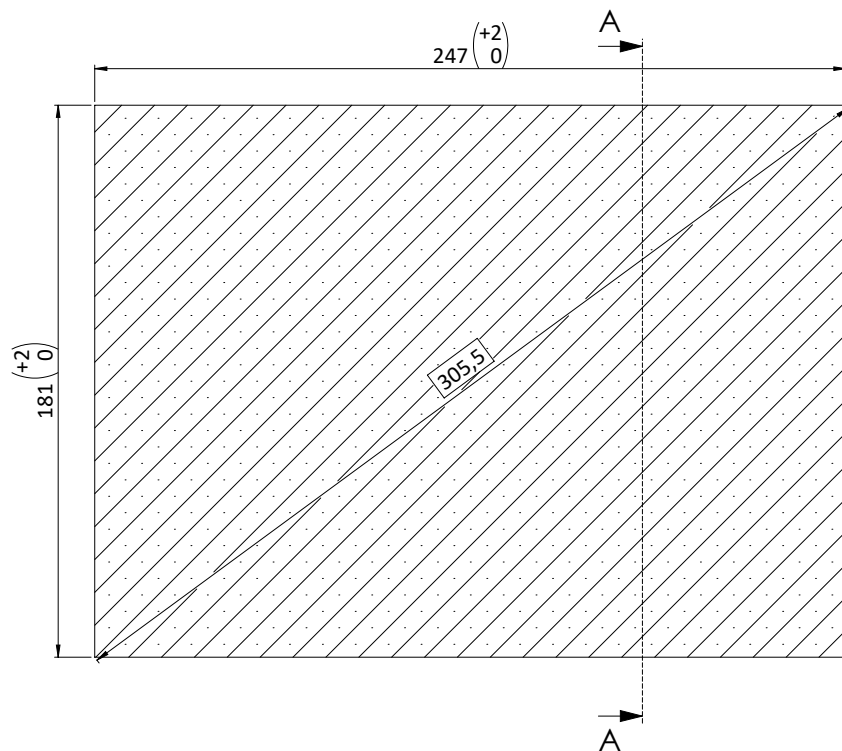


Training, mentoring and regular webinars



City Technical Drawings





NOTES

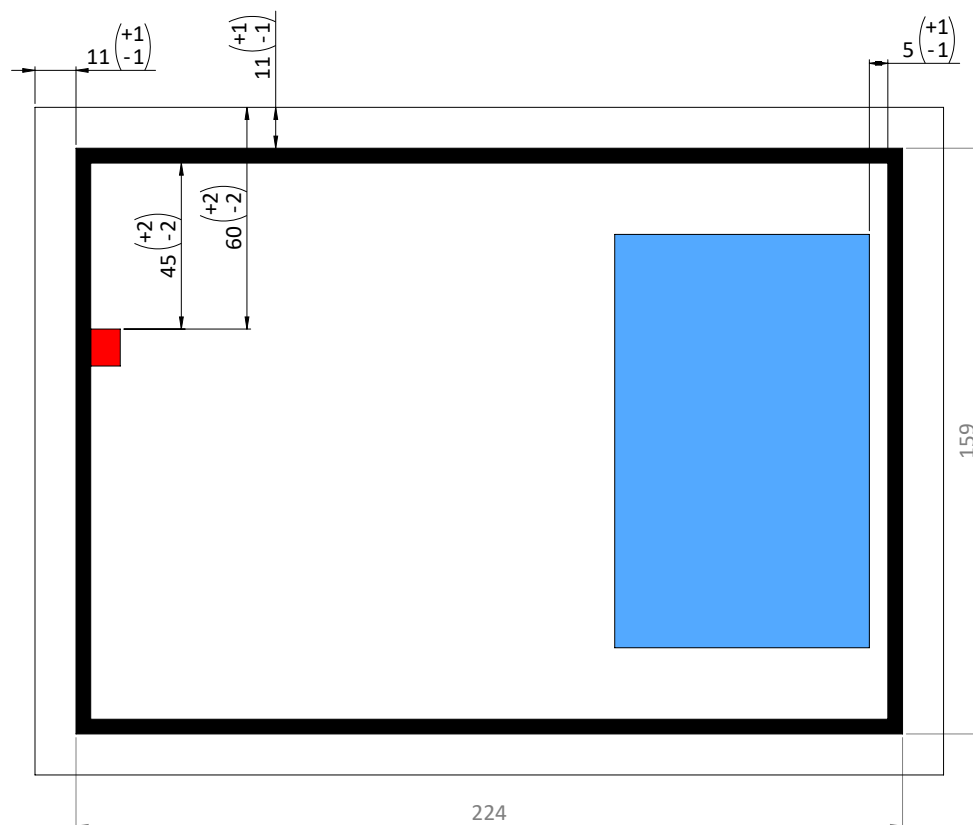
Flat levelling with a slight slope to the rear for water drainage, i.e. 2 centimetre elevation between front and rear.

Flatness: 0.4cm max

Plan for the earthworks

unit of measurement : cm

Scale : 1/12

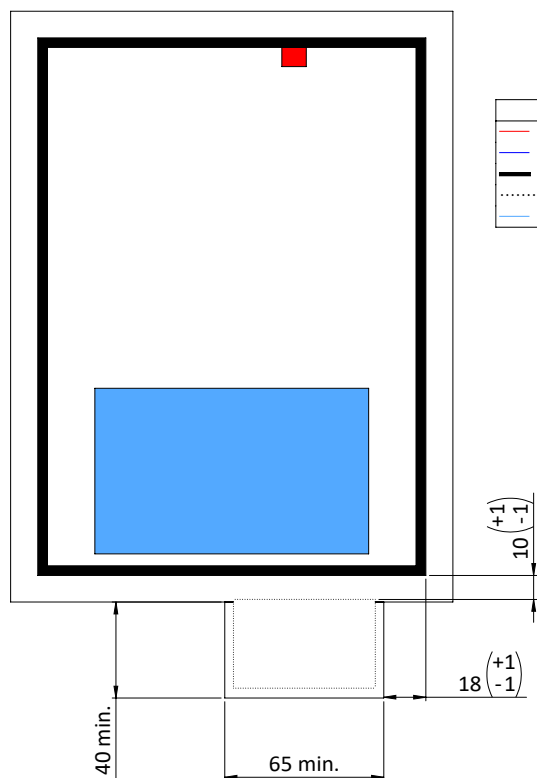


LEGEND	
—	ELECTRICAL CONNECTION
—	GREENHOUSE FOUNDATION
—	PONDS

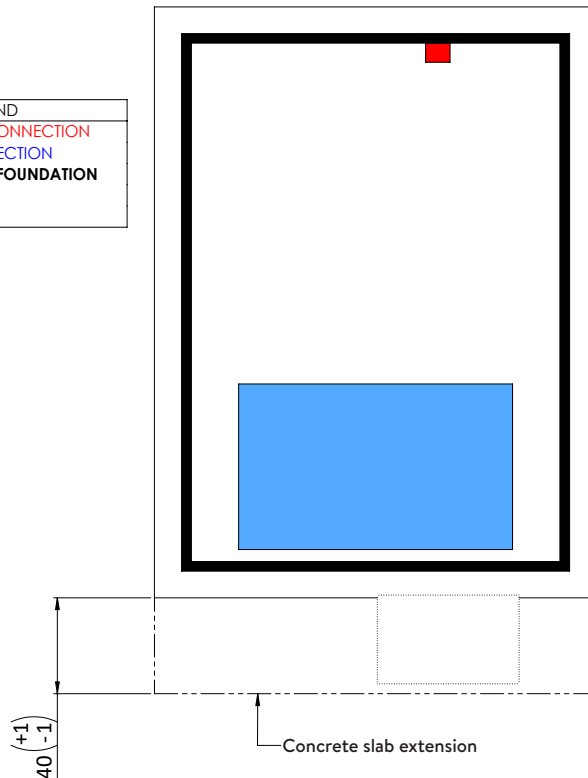
unit of measurement : cm

Scale : 1/10

OPTION 1



OPTION 2



unit of measurement : cm

Scale : 1/15

MASS DISTRIBUTION PLAN - CITY

INFORMATION ON THE MODEL

AREA	3,56m ²
MASS OF THE STRUCTURE	300 kg
MASS OF THE STRUCTURE WITH WATER-LOADED VERTICAL SYSTEM	700 kg
TOTAL	800 kg

NOTE: FLOOR FIRMLY CONNECTED TO THE BASE PLATE OF THE GREENHOUSE

Greenhouse structure

