



Family 22

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

Technical specifications

Dimensions:

- Area: 22m² / 593cm x 380cm
- Height under ridge: 253cm
- Height under gutter: 172cm

Weight :

- Greenhouse only: 650 kg
- Tank with vertical growing system filled with water: 750 kg per tank
- Permaculture mound: 100 kg per mound
- Wooden floor: 300 kg
- Wooden platform with floor and foundation screws: 1080 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: 10m³
- With water recuperators: 4m³



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

🎯 An integrated cultivation system to save time



Sustainable food production system

2 ponds and 16 vertical towers

(8 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

(5 containers in sizes M + 2 as options)

🎯 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



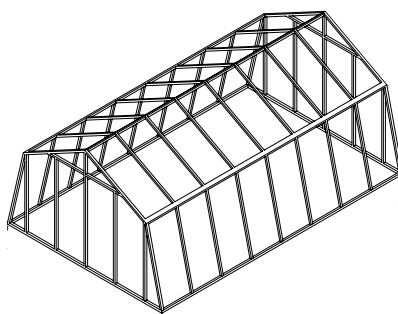
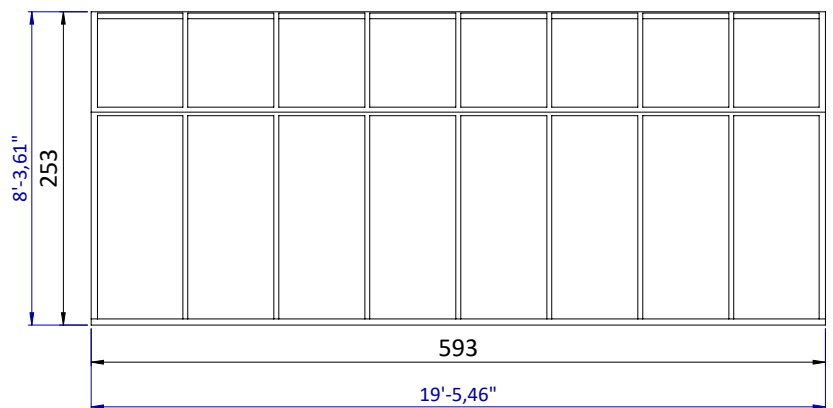
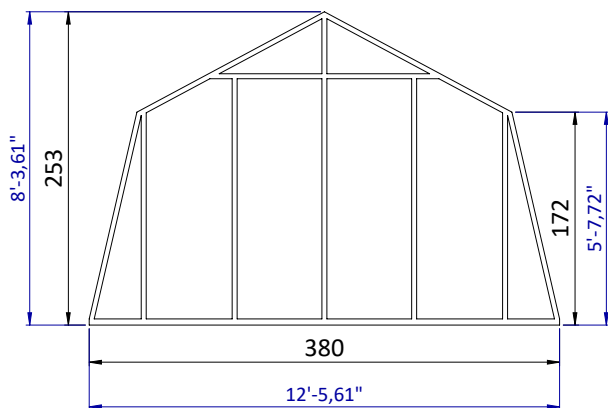
Community for mutual support on a digital platform

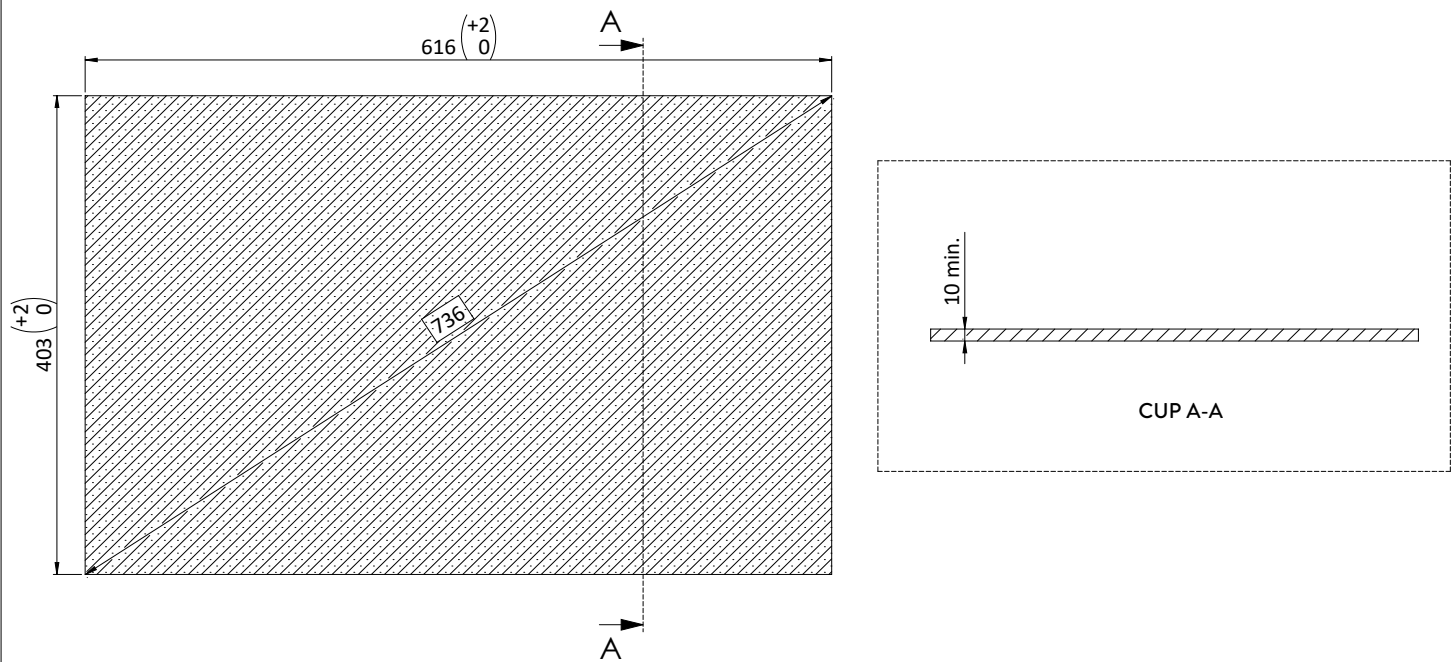


Training, mentoring and regular webinars



Family 22 Technical Drawings





NOTES

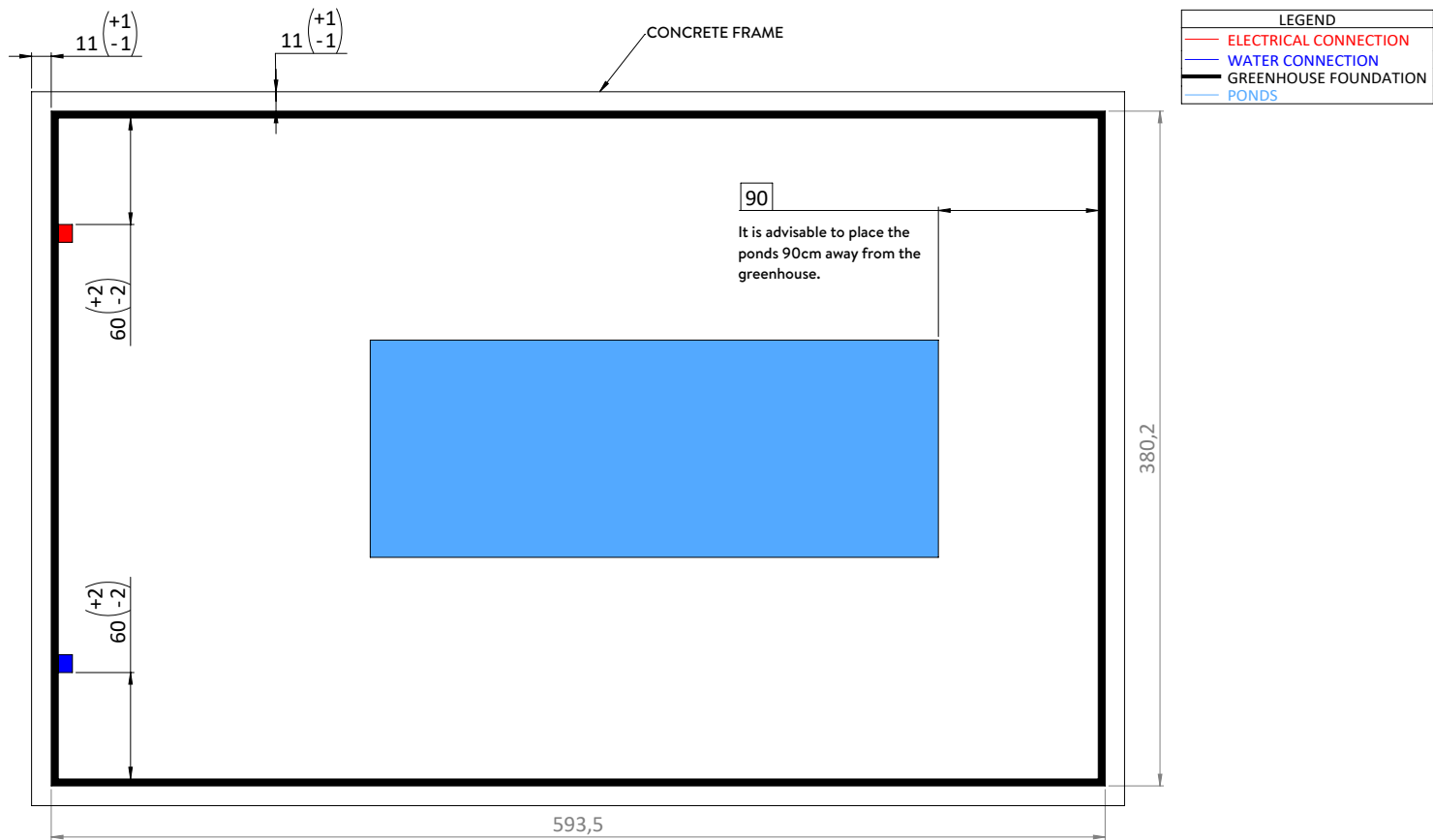
Flat levelling with a slight slope to the rear for water drainage, i.e. 2 centimetre elevation between front and rear.

Flatness: 0.4cm max

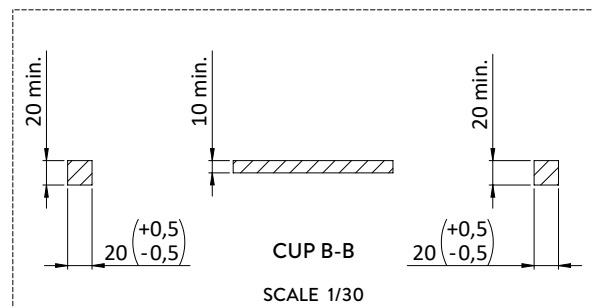
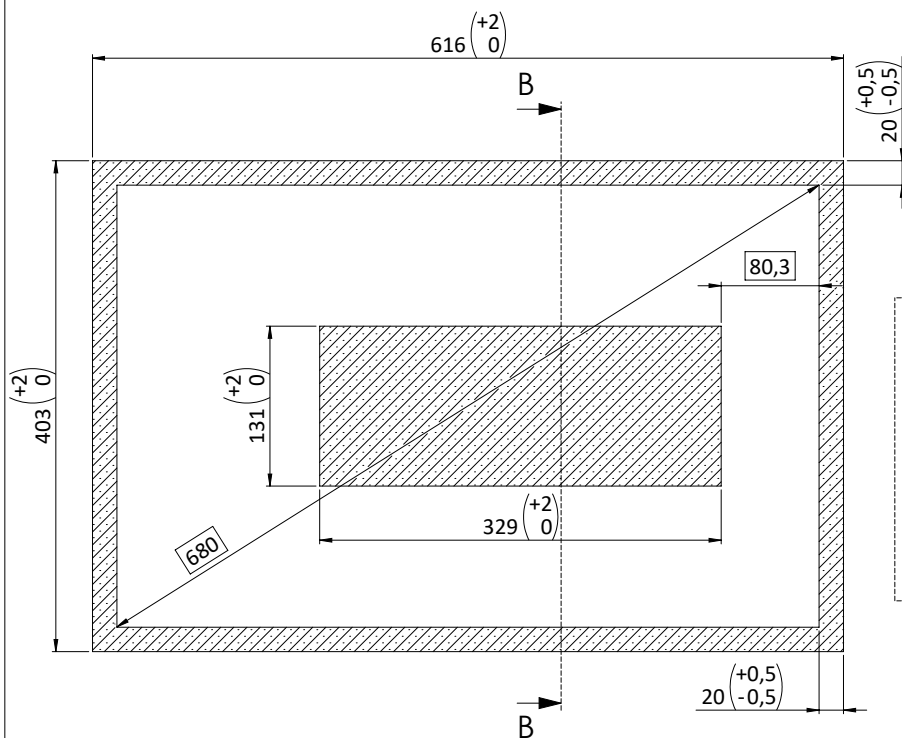
Plan for the earthworks

unit of measurement : cm Scale : 1/50

POSITIONING OF THE BASE - FAMILY 22



unit of measurement : cm Scale : 1/50



NOTES

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

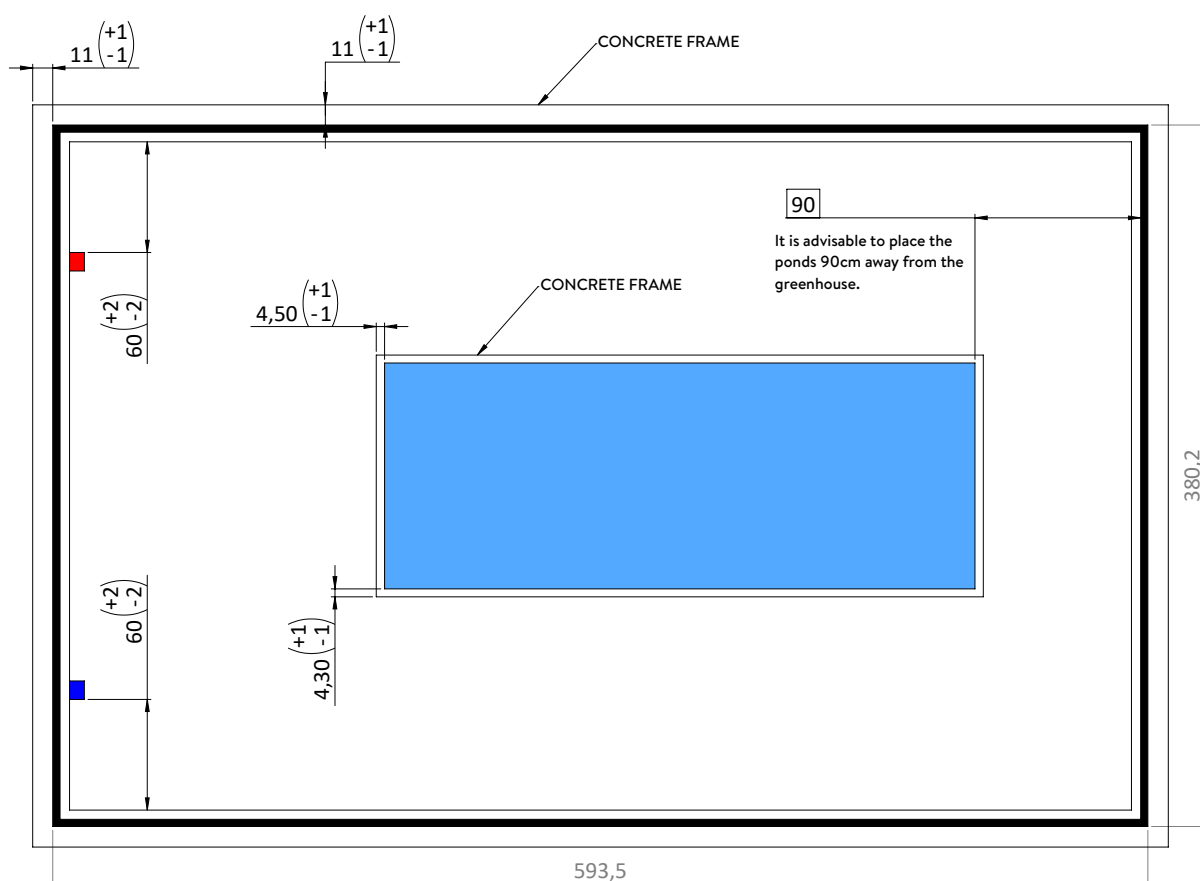
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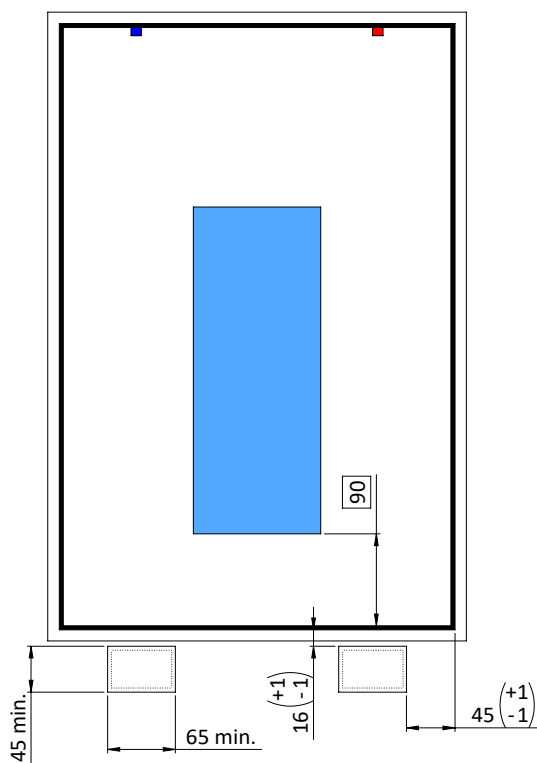


LEGEND	
—	ELECTRICAL CONNECTION
—	WATER CONNECTION
—	GREENHOUSE FOUNDATION
—	PONDS

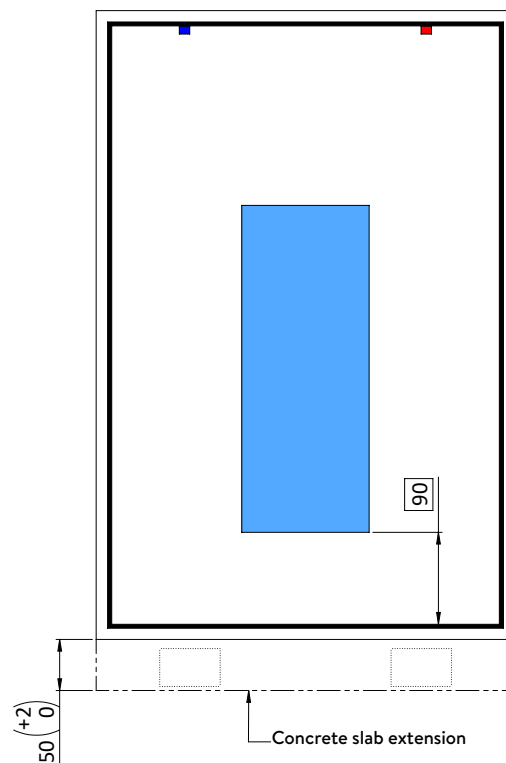
unit of measurement : cm

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OPTION 1



OPTION 2



Plan for the earthworks

unit of measurement : cm

Scale : 1/50

MASS DISTRIBUTION PLAN - FAMILY 22

INFORMATION ON THE MODEL

AREA	22m ²
MASS OF THE STRUCTURE	650kg
TOTAL	2,800kg

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

Greenhouse structure

