

SYSTEMS

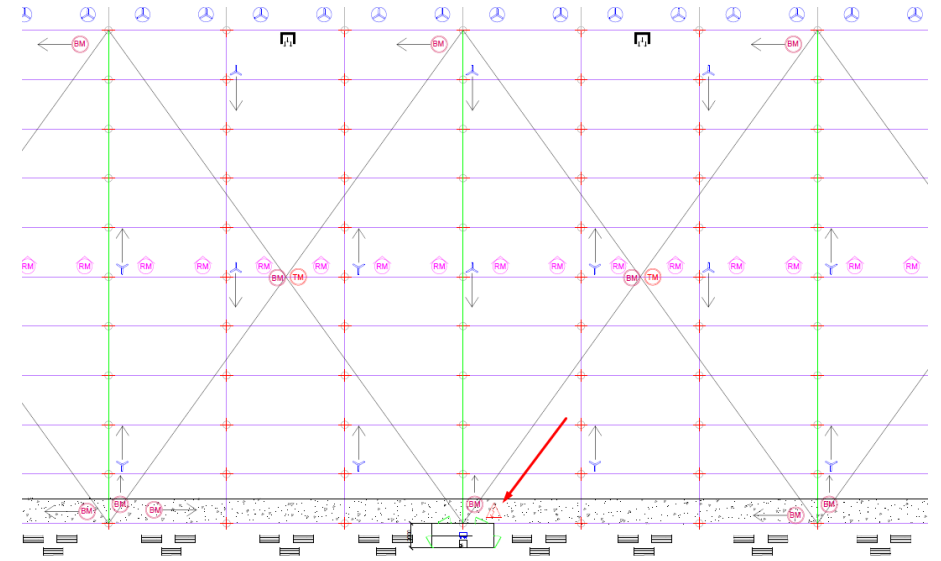
Electricity

For this green house we will supply 2 main panels, all switchgears for ventilation, screens, heaters, e.g. is centralized in the panel, every group can be controlled by switch (off-manual-automatic).

General data :

- Power supply : Phase-Phase 380 Volt + or – 5%
- Power supply : Phase-Neutral 220Volt + or – 5%
- Frequency : 50 Hz. (cycles)

Under client responsibility to provide power supply to Main boards according specifications that we will provide.



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Specification for electrical switchboard – azrom:

Greenhouse switchboards contain (general):

Rital (Germany) control panel box.

Main breaker with term and magnetic protection.

NVR- no volt relay – protecting the system in case of ascending and descending voltage.

Excessive voltage protector and lightning collectors.

Manual and automatic operation system for greenhouse motors - (roof motor, screen motor, wall curtain)

Manual and automatic operation system for Circulation fans.

Irrigation room switchboards contain (general):

Rital (Germany) control panel box.

Main breaker with term and magnetic protection.

NVR- no volt relay – protecting the system in case of ascending and descending voltage.

Excessive voltage protector and lightning collectors.

Manual and automatic operation system for irrigation pumps.

No water and No flow protection.



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Electricity

All cables and trays will be part of our electricity scope

Azrom conductors are according to the IEC standard and the Israel Electric Law. The power supply cables are XLPE N2XY type with heat stability standing up to 90 degrees Celsius.

In order to support the cable, optionally (included in this offer) it can be provided a Metallic Supporting Channel where the installer finds more than three control or power hoses lines. Cable channels are zinc-plated galvanized and will be supported to the greenhouse structure with the proper accessories to prevent bending and it will cover one unique width of greenhouse up to the last Top Vent Engine.

