



MULTI-SPAN ZEN
GREENHOUSE



INSTALLATION WORK



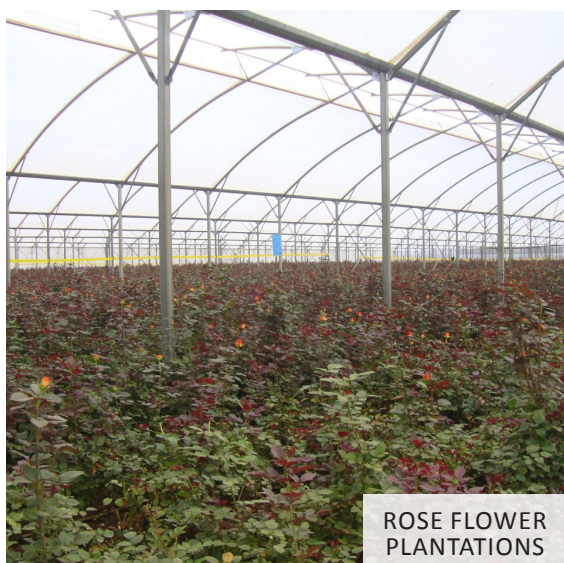
CONVENTIONAL
GREENHOUSE



EXTERNAL VIEW



SIDE VIEW



ROSE FLOWER
PLANTATIONS

Zenith STEEL FABRICATORS LTD
DESIGN, FABRICATE & ERECT STRUCTURAL STEEL WORK
An ISO 9001:2008 Certified Company EAST AND CENTRAL AFRICA SINCE 1977

ZEN GREEN HOUSE

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ZEN GREEN HOUSE

PRODUCT SPECIFICATION

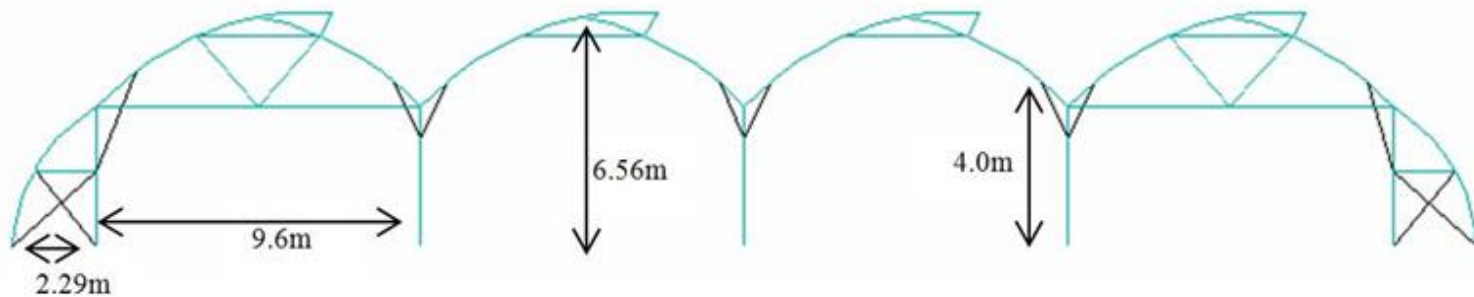
Zen Green Houses are pre-fabricated modular units. Its cost efficient design makes it easy to install. Its repetitive design allows bays to be easily added on later.

TECHNICAL DATA

Span	: 9.6m
Rafters	: 4.0m c/c
Apex height	: 6.56m c/c
Internal columns	: 4.0m c/c
External columns	: 2.0m c/c
Height under gutter	: 4.0m
Eaves Corridors	: 2.29m
Gable Corridors	: 1.2m

KEY FEATURES

- ✓ Can withstand wind speeds of 28m/s
- ✓ High tensile cables provide structural rigidity.
- ✓ Repetitive modular design – allowing easy installation.
- ✓ Single sided jack roof allows good airflow without allowing rainwater in.
- ✓ Can withstand crop loads – 100Kg/m²
- ✓ All steel bolts to have a tensile strength of 28t/in²
- ✓ All washers to have a tensile strength of 37t/in²



RAINWATER COLLECTION

All models come with:

- Two eaves gutters
- Valley gutters – dependent upon the number of spans

All eaves and valley gutters are cold rolled from 1.5mm galvanized plate with 150mm Diameter PVC downpipe at 18.0m c/c.

ROOFING SYSTEM

The roofing polythene which should be UV stabilized max 0.3mm thick (or thinner as per client's requirements) will be clipped to the steelwork using purpose made clipping profiles. The clipping profiles enable the polythene to be efficiently installed and allow easy replacement of the same at a subsequent date.

HOLDING DOWN BOLTS

A series of holding down bolts are supplied with a casting template to allow easy and accurate casting of the foundation. Zenith Steel Fabricators Ltd can efficiently design and provide sizes for the foundations depending upon site-soil conditions.

CORROSION PROTECTION

All steelwork is galvanized which allows adequate protection against corrosion due to the internal aggressive environment of greenhouses.

OPTIONAL ITEMS

Side roll up curtains and doors can be provided as per client requirements.