

GREENHOUSE

Structures | Components | Accessories



V care for U



ABOUT US



V care for U

We introduce ourselves as most respected company in the field of protected cultivation technologies manufacturing & supplying GREENHOUSE structures like Poly House, Net House, Multi-span Structures, Tunnels (Single Span), Controlled environment growing structures, Solar Drying Tunnels, Pack houses and its components, accessories, parts, etc. from India.

Our journey began as a humble manufacturer of the accessories and fittings for the structures of Greenhouse like Poly house, Shade net house, Insect net house, Solar Drying Tunnels, etc. very soon “Agrolt” carved a respectable lead position in the industry by virtue of its smart and innovative solutions for the pre-engineered structural components. Being the most preferred vendors for the majority Greenhouse manufacturing companies gives us a unique advantage of learning from the multiple sources and experiences. Enriching the experience by experience makes us the fastest growing company in the domain.

We've a talented & experienced team of technocrats and engineers in the field of Greenhouse structures. Equipped with automated and high precision metal working machineries and in house dies-moulds design capacity we confidently deliver the exact requirements of various Greenhouse structural needs. Our state-of-the-art manufacturing facility is located at the Industrial Area in the Rajkot city of Gujarat which is considered to be an eminent engineering hub and globally renowned for its proficiency in steel and metal processing capabilities.

Our company started as a partnership firm in 2013 with name of “Angel Solutions” and in 2020 we were incorporated as a limited liability company. Please feel free to contact us anytime for any information from our side. Keeping pace with the ever evolving technology, today The “Agrolt” is synonymous with reliability and quality.

WHY AGROLT?

Experience

“Agrolt” is constantly pioneering in the sphere of designing, manufacturing and supplying various Protective Cultivation Structures Greenhouse, Environment Control Automation & Simulation Systems, Solar Drying Tunnels, Pack Houses and all other related components in India. Until the end of 2019 we've supplied the structures and components cumulatively for over 90,00,000 sq. meter.

Customer Satisfaction

“Agrolt” takes immense pride in attaining highest level of customer satisfaction by way of maintaining unparalleled standards of quality, durability and reliability, promptness in service and after sales services, consistent upgradation, providing best spare parts, quick responses. These are our working characteristics that make us most preferred vendors for our clients.

Technical Standards & Expertise

“Agrolt” products are designed, manufactured and supplied by always keeping in mind the National & International technical standards, customer requirements, ergonomic attributes, safety factors and ease of use.

Wild Coverage

We have geo-technical strategic tie ups with various companies and experts to assist our clients in the installation, commissioning and maintenance of the projects; like cladding materials manufacturers (polyethylene sheets, polycarbonate sheets, shade Nets, insect nets, hail Nets), seed companies, fertilisers & pesticides manufacturers, irrigation companies, electrical components manufacturers, agronomical experts, labour contractors, etc. This flexibility makes “Agrolt” techno-commercially effective and enables our customers to have 360 degree turn key projection capability.

Quality Certification

As a commitment towards effective management and quality production we've adapted ISO 9001:2010 standards for our way of working.

Philosophy

Providing the products of Best Quality with Prompt Services which true to its Value for Money.



SCOPE OF WORKS



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At Agrolt Solutions, we research, innovate, improvise, design, manufacture and supply the various structures, its components, and accessories to meet the requirements of virtually every segment in the domain of Protected Cultivation Technologies.

◆ Greenhouses

- Plastic Covered
- Nets Covered
- Multi-Span
- Single Span Tunnels
- Naturally Ventilated
- Forced Ventilated
- Research Greenhouses
- Nursery Greenhouses
- Rolling Benches For Nursery
- Mist Chambers
- Screen Automation
- Rack & Pinion motorised
- Cable & Pulley motorised
- Side screen motorised

◆ Environment Control Automation & Simulation Systems

- Wetting Pads with Axial Fans
- Air Circulators
- Air Heaters (Combustion & Heat Exchanger)
- Anemometer
- Temperature Sensors
- Humidity Sensors
- Rain Sensor
- Weather Vane
- Pyranometer
- Control Stations
- Signal Amplifiers
- Ceres & other GSM modules

◆ Plant Growth Chambers

◆ Irrigation & Fertigation

◆ Pack Houses

◆ Solar Drying Tunnels

- Natural Sun light entrapment houses

◆ Cold Storage Buildings

◆ Accessories & Components of various structures

clamps, brace bands, butterfly bands, profile, sections, springs, zig zag wire locks, wiggle wires, curtain clamps, side screen clamps, side screen roll up devices, curtain universal joints, screen movement parts, rings, hooks, screws, nut, bolt, gutters, rolled gutters, pre-formed gutters, gutter down takes, turbo ventilators and many more! You name we have it and if we don't have it than we'll customise it for you!



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Forced Ventilated



Naturally Ventilated



Tunnel Type Nethouse



Single Span Tunnels

Greenhouses

Agricultural greenhouses are an imperative tool of Protected Cultivation Technology. A structure built with an intension to create a "micro climate" for achieving desired results by CONTROL of factors like sun's light, temperature, relative humidity, growth gases (oxygen, carbon dioxide, etc.). Thus help in achieving high quality crops, high yields, year-round excellence which is not possible to achieve in an open field conditions.



Research Greenhouse



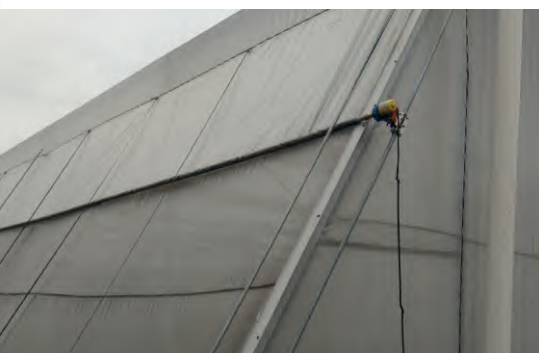
Nursery Greenhouse



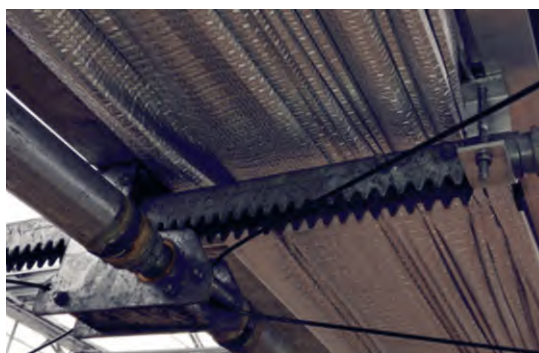
Rolling Benches For Nursery



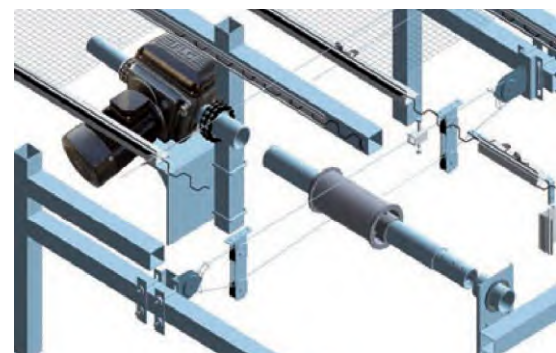
Screen Automation



Side Screen Motorized



Rack & Pinion Motorised



Cable & Pulley Motorised



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Axial Fans



Wetting Pads



Air Circulators



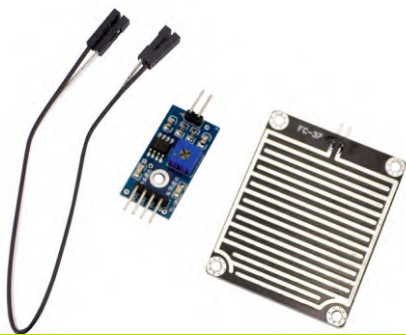
Air Heaters



Temperature & Humidity Sensors



UVS Films / Nets



Rain Sensor

Automation & Sensors...

Agrolt Solutions offers a wide variety of top-quality sensors, in line with the precision and reliability requirements for all the components of our climate control system. Inverter boxes are provided with circuit breaker protection to control the rotation direction of the fan motors and screens.



Weather Station



Irrigation & Fertigation



Solar Drying Tunnels



Plant Growth Chamber

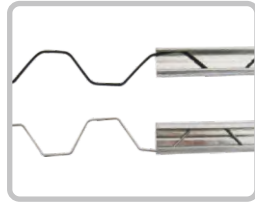
ACCESSORIES



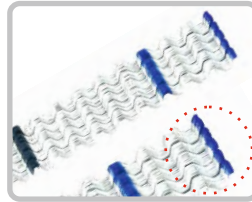
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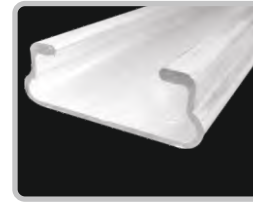
Clamps- Full & Half
(For structural pipe connectors)



Zig Zag Wire Springs
(For polyfilm or net locking)



Poly Coated Springs



Section/ Profile
(For polyfilm or net locking)



Profile Varieties
(Aluminium, Galvalume, GP)



Gutter/ Arches Bracket system
(5 mm single plate)



Industrial Pressed Gutter
(1.50 mm to 2.50 mm)



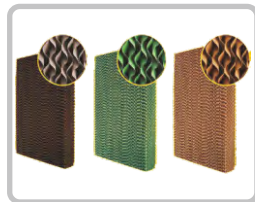
Gutter End Cap



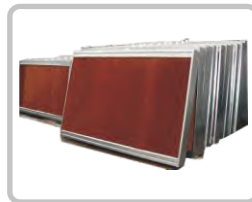
Gutter Spout / Down Take



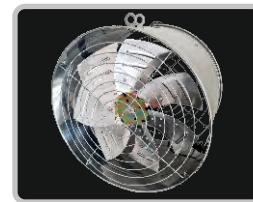
HVAC / Exhaust Fans
(Push Pull, Hammer Drop types)



Cellulose Evaporative Cooling Pads



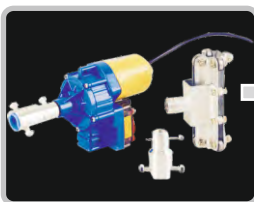
Evaporative Cooling Pad Frames



Air Circulation Fans



Gutter Sealent Tape



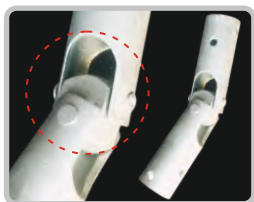
Side Screen / Roof Screen Roll Up Motor



Curtain Roll Up Gear Handle



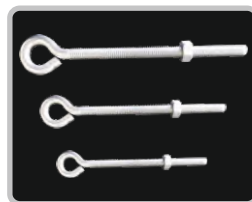
Curtain Rollup Unit (Chain Pulley)



Universal Joint
(HD Gal, Solid bar union)



Foundation and Extension Joint



I-Bolt



Curtain Clamp- Steel

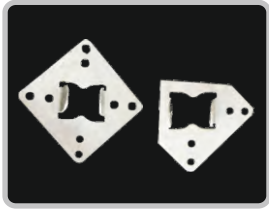


Curtain Clamp- UVS Plastic

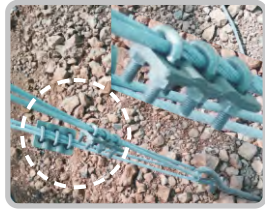
ACCESSORIES



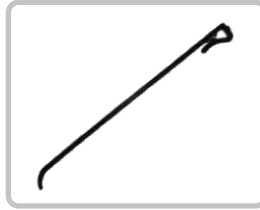
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Five Way Plates for Flat Roof Nethouses



3-U Wire Gripper Clamp



Shade Net Stitching Pin



Shade Net Oval Clip & R Hook



Wire Support Clip



Anchor Rods



Steel Wire Rope & Accessories



Ring Hook (Stainless Steel)



Shade Net Joiner with Small Pulley



Metal Pulley Roller Bearing Inside



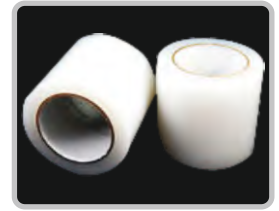
Plastic Pulley Roller Bearing Inside



UVS Ropes



Polyester Wire



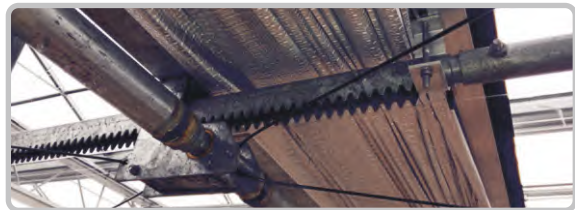
Greenhouse Film Repair Tape



Nut Bolts (Hot-Dip Galvanized)



Self Drilling Screws



Shade Screen System



Gutter Funnel



Trellesing Accessories



Sliding Doors



Anti Flapping Bands

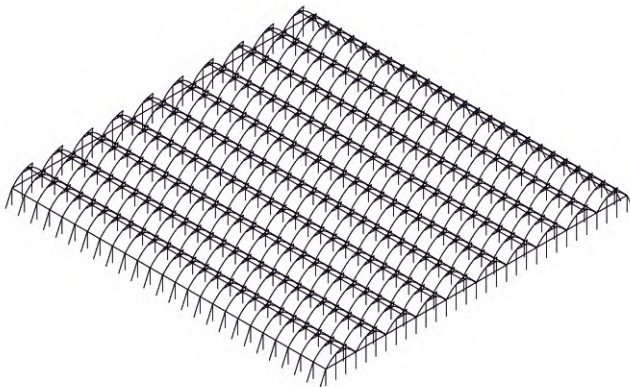
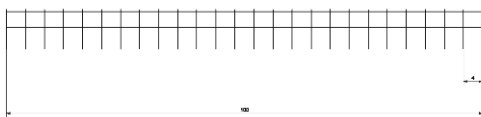
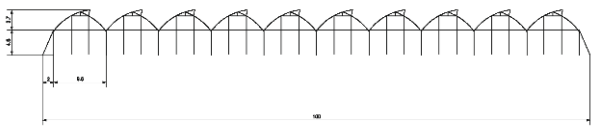


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Multi-Span Naturally Ventilated Greenhouses (NVPH)



- ◆ This design is best suited for “tropical climate” areas (warm, hot, humid, medium to heavy rainfall)
- ◆ Unique connectors based design without welding.
- ◆ Four sides and top vent provide for good air flow and fresh air exchange.
- ◆ Sides & Top openings can be well covered with insect proof nets wherever required.
- ◆ Low Cost design, Easy to build, Low maintenance cost & Negligible recurring cost.



100X100mtr

KEY PARAMETERS

Grid/ Spans	: 8.0, 9.6, 11.2 mtr
Arch Distance	: 4.0 mtr
Gutter Height	: 4.0, 4.5, 5.0 mtr
Ridge Height	: 6.5, 7.0, 7.5 mtr
Vent Opening	: 1.2, 1.5 mtr
Gutters	: Trapezoidal shape 1.6 to 2.0 mm thickness
Wind Load strength	: 90 to 140 km/hr
Trellising Load	: 25 to 30 kg/sqm
Columns/ Main Posts	: Ø 76, 90 mm; 60x60, 60x80, 80x80 mm
Arches	: Ø 48, 60 mm
Aerodynamic Side Corridor Support	: 2.0, 2.5 mtr (Curved or Straight)
Covering Material*	: 5 layer or 7 layer Smart UVS Polyethylene films 150, 180, 200 micron with optional features like High Clear, Diffused light transmission, IR Reflective Cooling effect, Anti-Virus effect, Anti-Drip/ Fog layer, Anti-Dust layer and likewise.

This design has prior approval to accommodate optional fitments like:-

- ◆ Additional Layer of Shade Screen or Thermal Screen with manual or motorized operation
- ◆ Air circulation fans
- ◆ Extractor Fans
- ◆ Foggers, Misters

Choosing the covering material wisely is absolutely necessary because “covering” is the main objective of building the structure.

Steel tubes & parts are best galvanized to provide optimum rust free life.

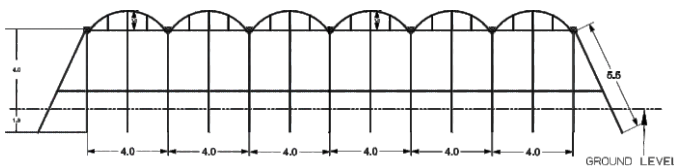


V care for U

Multi-Span Tunnel Type Greenhouses (TPH)



- ◆ This design is best suited for varied and complex topographies arid areas, high wind velocity areas, medium to low snowfall climates, etc.
- ◆ Unique connectors based design without welding.
- ◆ Four sides ventilation when provided gives good air flow and fresh air exchange.
- ◆ Sides openings can be well covered with insect proof nets wherever required.
- ◆ Low Cost design, Easy to build, Low maintenance cost & Negligible recurring cost.



KEY PARAMETERS

Grid/ Spans	: 8.0 to 12 mtr
Arch Distance	: 2.5 to 4.0 mtr
Gutter Height	: 3.0 to 5.0 mtr
Centre Height	: 4.0 to 6.0 mtr
Gutters	: Trapezoidal shape 1.6 to 2.0 mm thickness
Wind Load strength	: 90 to 140 km/hr
Snow Load	: 1 mtr
Trellising Load	: 25 to 30 kg/sqm
Columns/ Main Posts	: Ø 76, 90 mm; 60x60, 60x80, 80x80 mm
Arches	: Ø 48, 60 mm
Aerodynamic Side Corridor Support	: 2.0, 2.5 mtr (Curved or Straight)
Covering Material*	: 5 layer or 7 layer Smart UVS Polyethylene films 150, 180, 200 micron with optional features like High Clear, Diffused light transmission, IR Reflective Cooling effect, Anti-Virus effect, Anti-Drip/ Fog layer, Anti-Dust layer and likewise.

This design has prior approval to accommodate optional fitments like:-

- ◆ Additional Layer of Shade Screen or Thermal Screen with manual or motorized operation
- ◆ Air circulation fans
- ◆ Wetting Paper Cellulose Pads
- ◆ Extractor Fans
- ◆ Foggers, Misters

Choosing the covering material wisely is absolutely necessary because “covering” is the main objective of building the structure.

Steel tubes & parts are best galvanized to provide optimum rust free life.

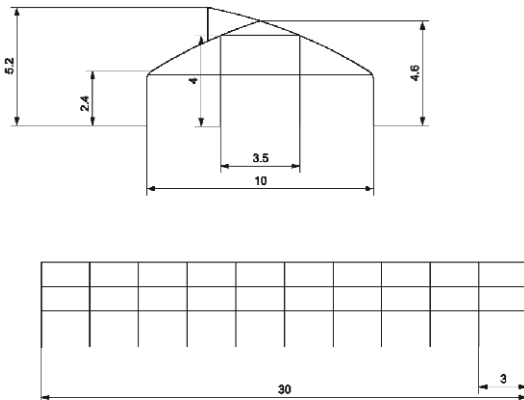


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Single Span Naturally Ventilated Greenhouse Tunnels (NVPT)



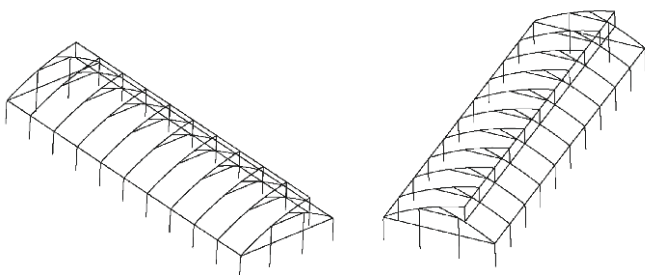
- ◆ This design is best suited for “tropical climate” areas (warm, hot, humid, medium to heavy rainfall)
- ◆ Unique connectors based design without welding.
- ◆ Four sides and top vent provide for good air flow and fresh air exchange.
- ◆ Sides & Top openings can be well covered with insect proof nets wherever required.
- ◆ Low Cost design, Easy to build, Low maintenance cost & Negligible recurring cost.



KEY PARAMETERS

Grid/ Spans	: 8.0 to 12 mtr
Arch Distance	: 2.5 to 4.0 mtr
Side Height	: 1.0 to 5.0 mtr
Ridge Height	: 4.0 to 6.0 mtr
Vent Opening	: 1.2, 1.5 mtr
Wind Load strength	: 90 to 140 km/hr
Trellising Load	: 25 to 30 kg/sqm
Columns/ Main Posts	: Ø 76, 90 mm; 60x60, 60x80, 80x80 mm
Arches	: Ø 48, 60 mm

Covering Material* : 5 layer or 7 layer Smart UVS Polyethylene films 150, 180, 200 micron with optional features like High Clear, Diffused light transmission, IR Reflective Cooling effect, Anti-Virus effect, Anti-Drip/ Fog layer, Anti-Dust layer and likewise.



This design has prior approval to accommodate optional fitments like:-

- ◆ Air circulation fans
- ◆ Extractor Fans
- ◆ Foggers, Misters

Choosing the covering material wisely is absolutely necessary because “covering” is the main objective of building the structure.

Steel tubes & parts are best galvanized to provide optimum rust free life.



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Single-Span Tunnel Type Greenhouses (SSPT)



- ◆ This design is best suited for varied and complex topographies arid areas, high wind velocity areas, medium to low snowfall climates, etc.
- ◆ Unique connectors based design without welding.
- ◆ Four sides ventilation when provided gives good air flow and fresh air exchange.
- ◆ Sides openings can be well covered with insect proof nets wherever required.
- ◆ Low Cost design, Easy to build, Low maintenance cost & Negligible recurring cost.

KEY PARAMETERS

Grid/ Spans	: 8.0 to 12 mtr
Arch Distance	: 2.5 to 4.0 mtr
Gutter Height	: 3.0 to 5.0 mtr
Centre Height	: 4.0 to 6.0 mtr
Wind Load strength	: 90 to 140 km/hr
Snow Load	: 1 mtr
Trellising Load	: 25 to 30 kg/sqm
Columns/ Main Posts	: Ø 76, 90 mm; 60x60, 60x80, 80x80 mm
Arches	: Ø 48, 60 mm

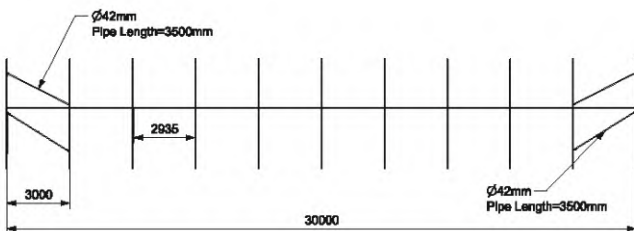
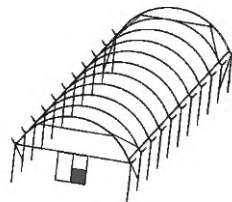
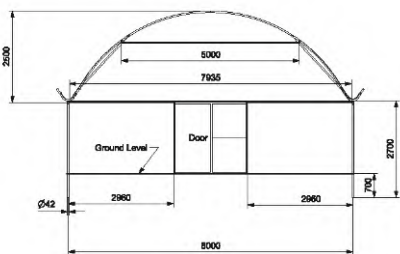
Covering Material* : 5 layer or 7 layer Smart UVS Polyethylene films 150, 180, 200 micron with optional features like High Clear, Diffused light transmission, IR Reflective Cooling effect, Anti-Virus effect, Anti-Drip/ Fog layer, Anti-Dust layer and likewise.

This design has prior approval to accommodate optional fitments like:-

- ◆ Additional Layer of Shade Screen or Thermal Screen with manual or motorized operation
- ◆ Air circulation fans
- ◆ Wetting Paper Cellulose Pads
- ◆ Extractor Fans
- ◆ Foggers, Misters

Choosing the covering material wisely is absolutely necessary because “covering” is the main objective of building the structure.

Steel tubes & parts are best galvanized to provide optimum rust free life.





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Flat Roof Shade Net House (FRSH)



- ◆ This is an vastly affordable and best suited design for growing vegetables like tomatoes, capsicum, cucumbers, etc. in warm to hot and humid climatic with relatively less rainfall days in a year.
- ◆ Areas with high sun irradiation have most demand for this design.
- ◆ Effective for keeping away pest & diseases.
- ◆ Special Side skirting film provides a important measure to retain the greenhouse gases.
- ◆ Unique connectors based design without welding.
- ◆ Best ROI & Low Cost design, Easy to build, Low maintenance cost & Negligible recurring cost.

KEY PARAMETERS

Grid/ Spans	: 6.0 x 4.0; 6.0 x 6.0; 5.0 x 5.0 mtr
Top Height	: 4.0, 4.5, 5.0 mtr
Wind Load strength	: 110 to 150 km/hr
Trellising Load	: 25 to 30 kg/sqm
Columns/ Main Posts	: Ø 60, 76 mm
Aerodynamic Side	
Corridor Support	: 2.0, 2.5 mtr (Curved or Straight)

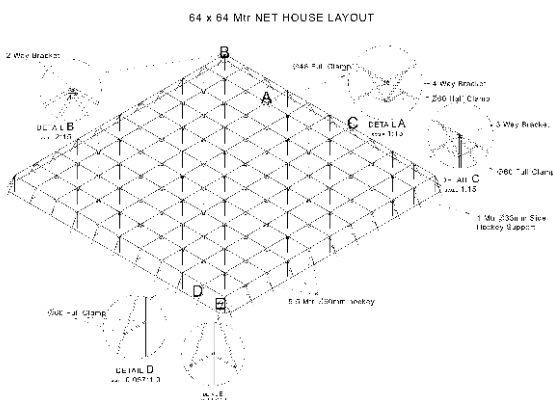
Covering Material* : Heavy Duty Monofilament UVS Shade Nets ranging from 110 to 140 gsm thickness with shade factor like 50%, 75% in different colours to choose from White, Green, Black, Grey, Black & White, Green & Black

This design has prior approval to accommodate optional fitments like:-

- ◆ Single or Double Additional Layer of Shade Screen or Thermal Screen with manual or motorized operation
- ◆ Air circulation fans
- ◆ Extractor Fans
- ◆ Foggers, Misters

Choosing the covering material wisely is absolutely necessary because “covering” is the main objective of building the structure.

Steel tubes & parts are best galvanized to provide optimum rust free life.





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Agrolt Solutions Private Limited

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