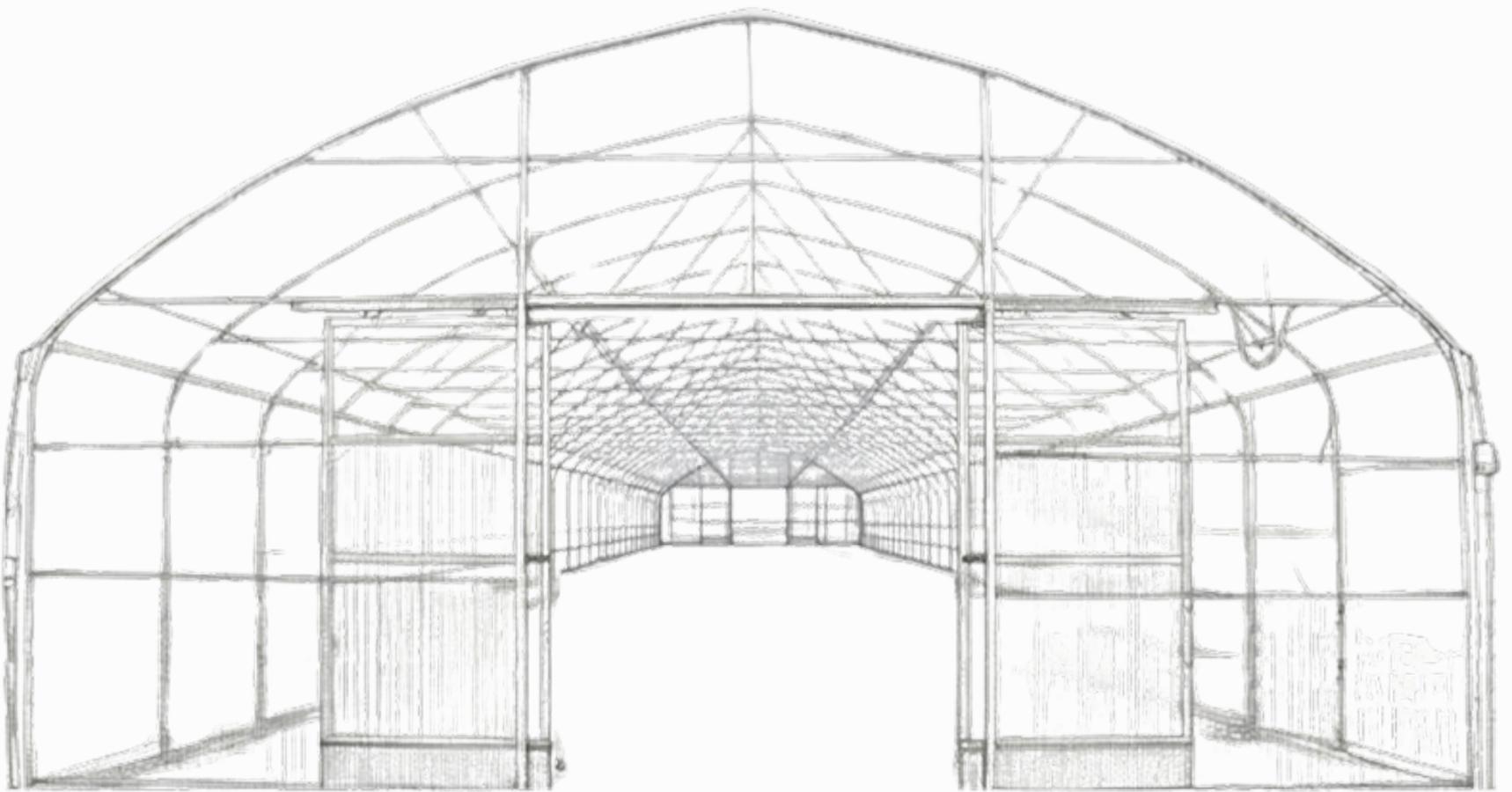




# SUN & STEEL AGRICULTURAL SOLUTIONS

# 100' Greenhouse

Specification Sheet



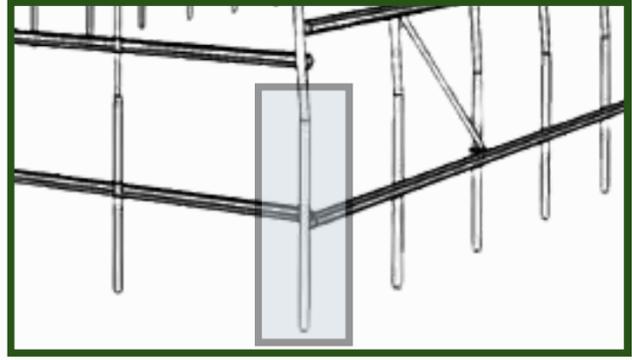
2026

## 1. The Foundations <sup>42</sup>

Length: 1200mm

Diameter: 70mm

Thickness: 1.5mm



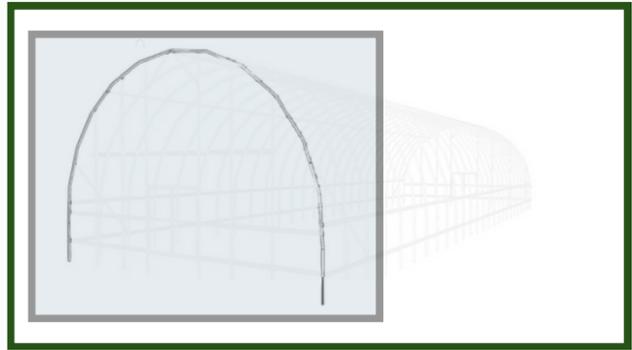
Designed to be as strong as concrete but easy to install.

## 2. The Arches <sup>21</sup>

Length: 6700mm

Diameter: 80mm

Thickness: 1.5mm



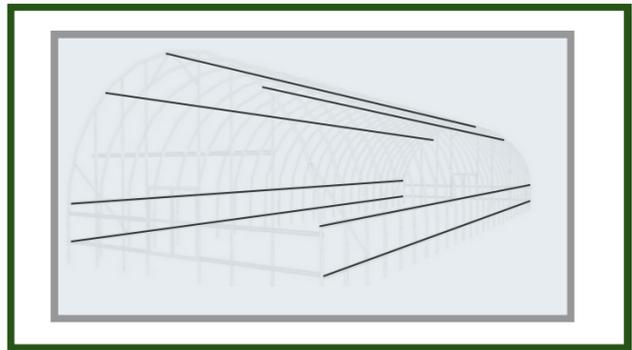
The 21 main arches hold everything together. 5' apart.

## 3. The Ridges <sup>35</sup>

Length: 6096mm

Diameter: 60mm

Thickness: 1.5mm



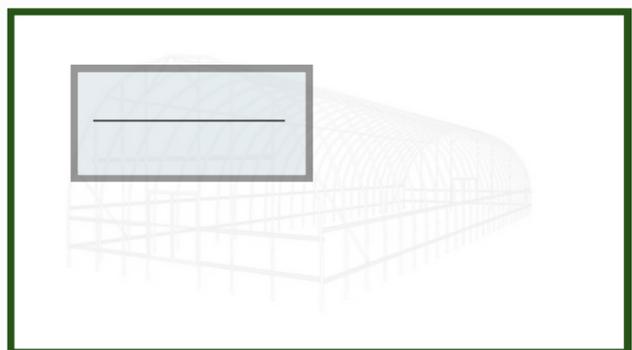
The Ridges hold the arches together.

## 4. The Beams <sup>17</sup>

Length: 6500mm

Diameter: 60mm

Thickness: 1.5mm



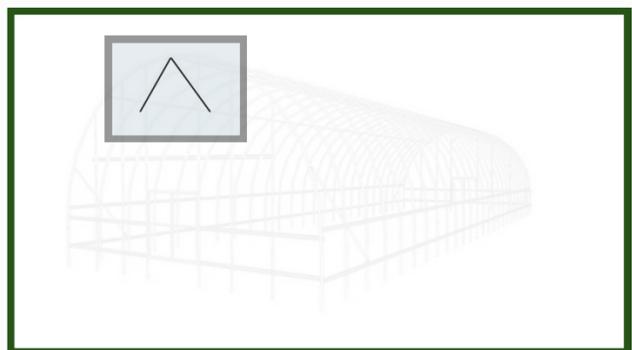
The beam & supports transfer load to foundation pipes.

## 5. The "W" Supports (L) <sup>34</sup>

Length: 1500mm

Diameter: 32mm

Thickness: 1.5mm



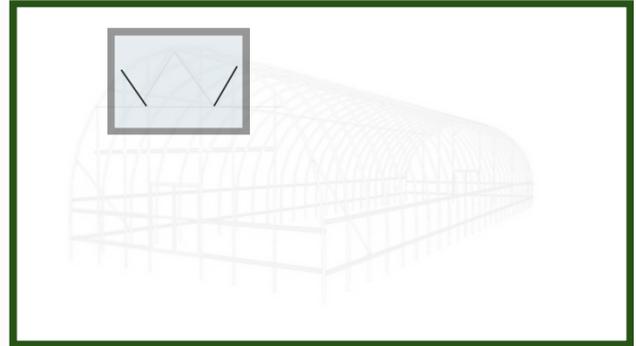
Long Supports connect the peak of the arches to the beams.

## 6. The "W" Supports (M)

Length: 1200mm

Diameter: 60mm

Thickness: 1.5mm



Short W Supports connect the ridge of each arch.

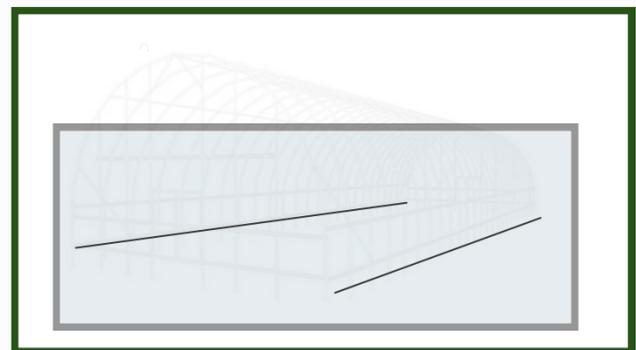
## 7. Poly Pipes

10

Length: 6096mm

Diameter: 25mm

Thickness: 1.5mm



Used with rollers and clips to roll up side vents.

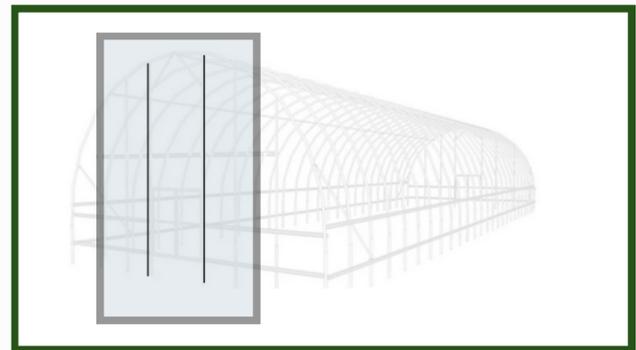
## 8. The Wall Beams (L)

4

Length: 4800mm

Diameter: 48mm

Thickness: 1.5mm



Used for end framing. Connects to the arches, door frames and fan pipe support.

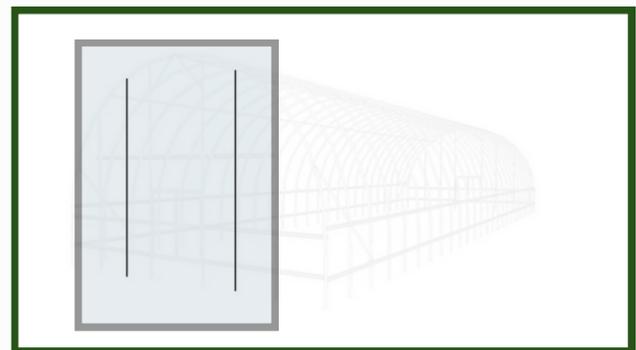
## 9. Wall Beams (M)

4

Length: 4200mm

Diameter: 60mm

Thickness: 1.5mm



Connects to the end of door frames and arches.

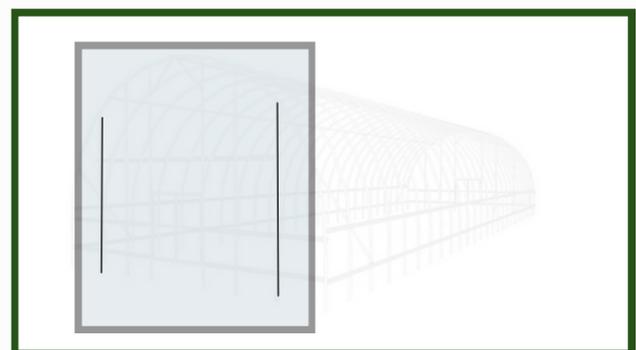
## 10. Wall Beams (S)

4

Length: 3000mm

Diameter: 60mm

Thickness: 1.5mm

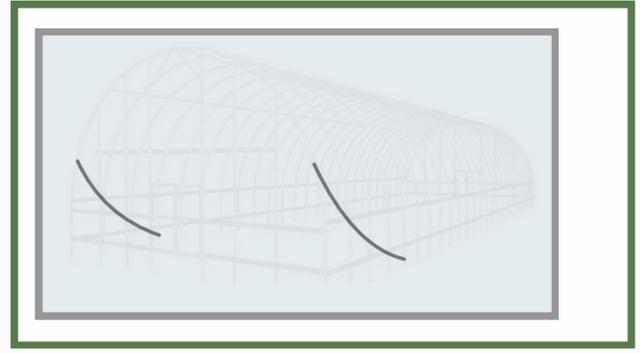


Connects to the sides of each end.

## 11. Wind Pipes <sup>4</sup>

Length: 5000mm

Diameter:  
48mm  
Thickness: 1.5mm



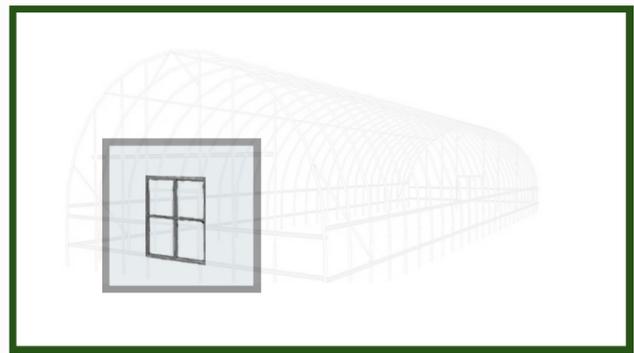
Made to support the wind from the ends.

## 12. Sliding Doors <sup>4</sup>

Height: 2400mm

Width: 1200mm

Thickness: 1.5mm



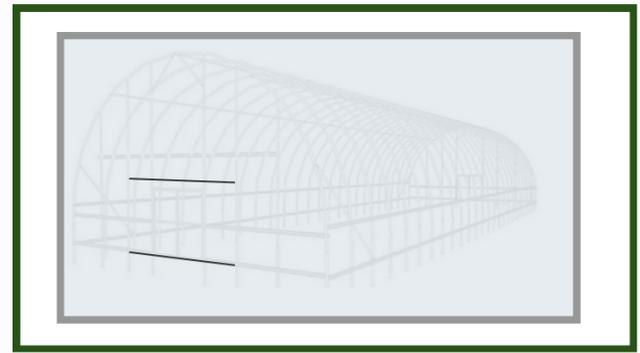
Dual sliding doors on both sides large enough for vehicles.

## 13. Door Tracks <sup>4</sup>

Length: 5000mm

Diameter: 48mm

Thickness: 1.5mm



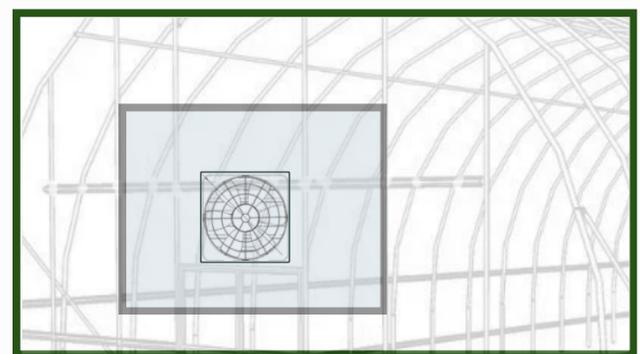
Holds the doors in place and allows them to slide open.

## 14. Fans\* <sup>2</sup>

Length: 1200mm

Diameter: 1200mm

Thickness: 1.5mm



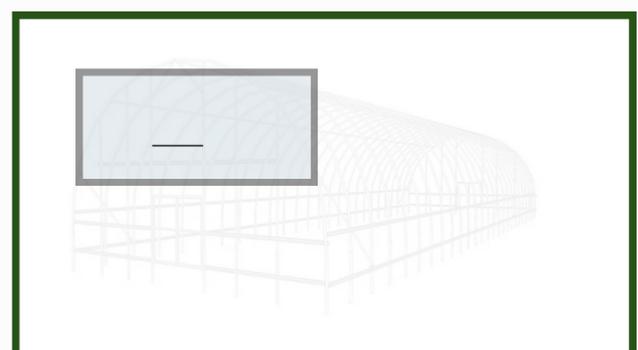
A Fan for optimal airflow. Adjustable speeds and direction.

## 15. Fan Support Beams\* <sup>2</sup>

Length: 1200mm

Diameter: 60mm

Thickness: 1.5mm

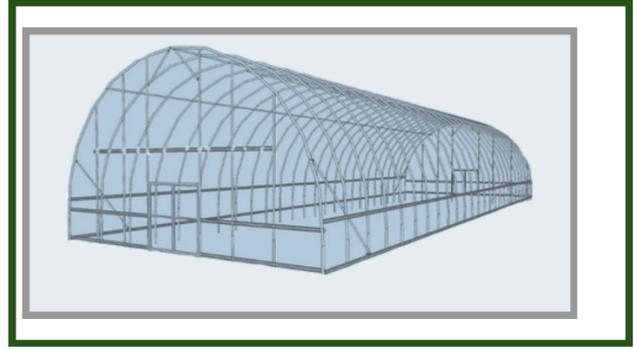


The fan rest on the fan supports above the door frames.

## 16.6M "Poly" Film <sup>5</sup>

Length: 100X60', 100X8'(2),  
100X2'(2), 20X35(2)

Thickness :6M



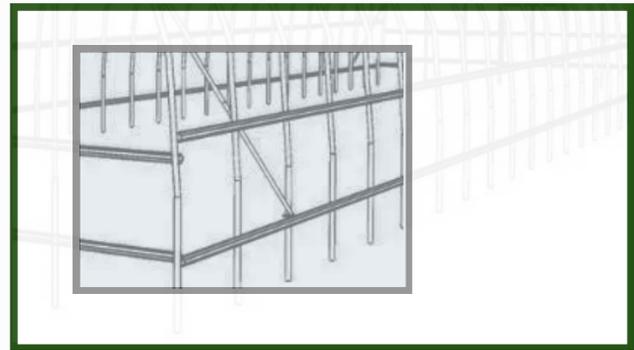
You have your main, roller, lower and end pieces.

## 17. Poly Channels <sup>35</sup>

Length: 2400mm

Diameter: 48mm

Thickness: 1.5mm



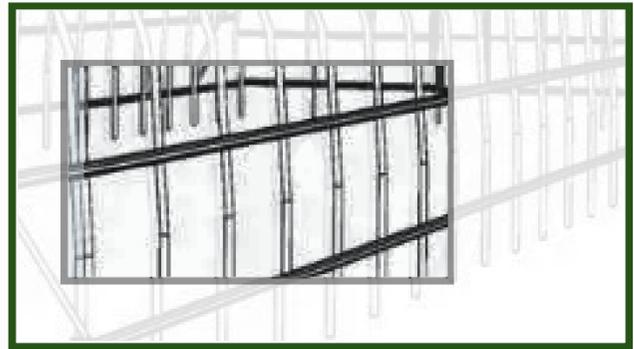
Connected directly to frames, poly is held with  
wiggly wire.

## 18. Channel Connectors <sup>40</sup>

Length: 80mm

Diameter:  
6mm

Thickness: 1.5mm



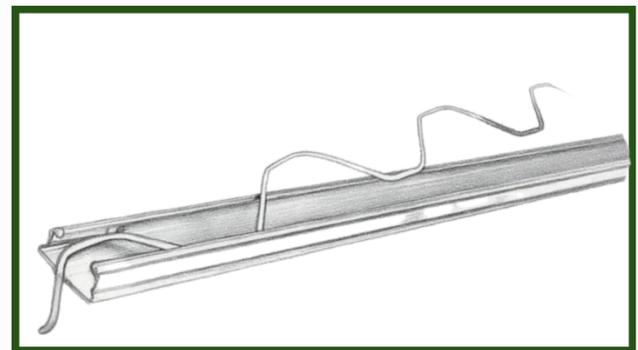
These are used to joint two channels together.

## 19. Wiggle Wire <sup>40</sup>

Length: 2400mm

Diameter: 48mm

Thickness: 1.5mm

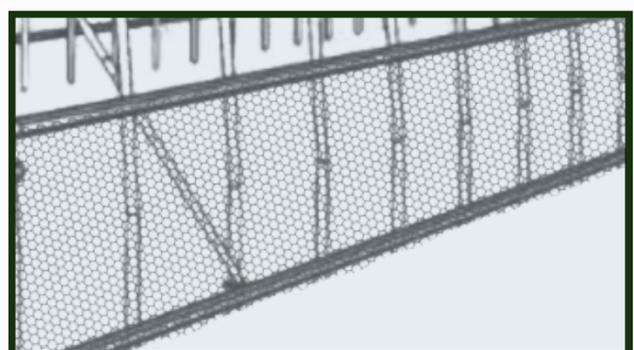


Used to secure poly into the poly channels.

## 20. Insect Net <sup>2</sup>

Length: 100x10'

Thickness: 0.5mm



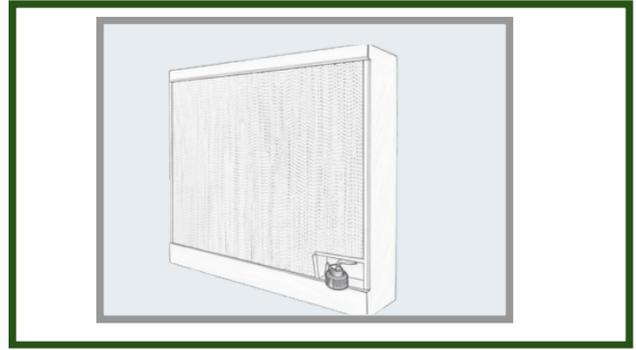
Prevents any unwanted seeds or pests from  
entering while still allowing airflow.

## 21. Water Filter\* <sup>2</sup>

Length: 1200mm

Diameter: 48mm

Thickness: 2'



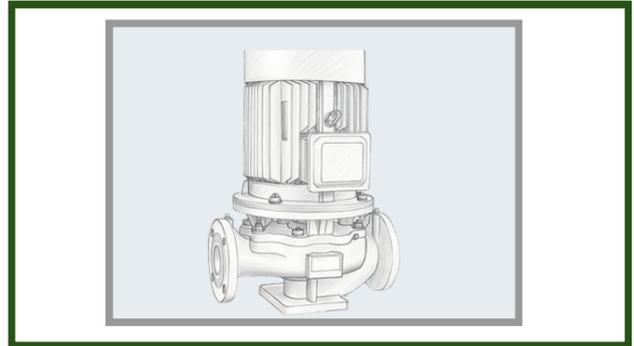
The water filter sits behind fans to cool and filter air.

## 22. Water Pumps\* <sup>2</sup>

Length: 6400mm

Diameter: 60mm

Thickness: 1.5mm



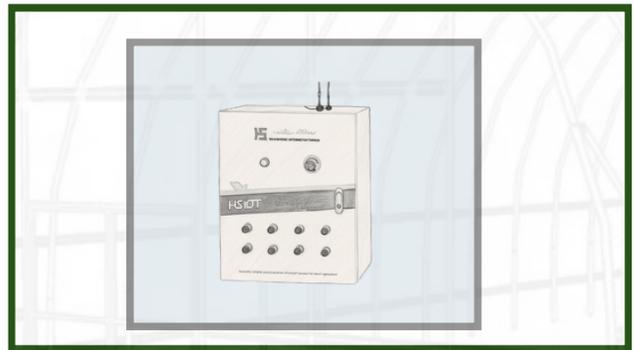
Pumps water throughout the greenhouse.

## 23. Controller\* <sup>1</sup>

Length: 6400mm

Diameter: 60mm

Thickness: 1.5mm



Controls electronics within greenhouse.

## 24. Electrical Cable\*

Length: 200'

Thickness: 1.5mm

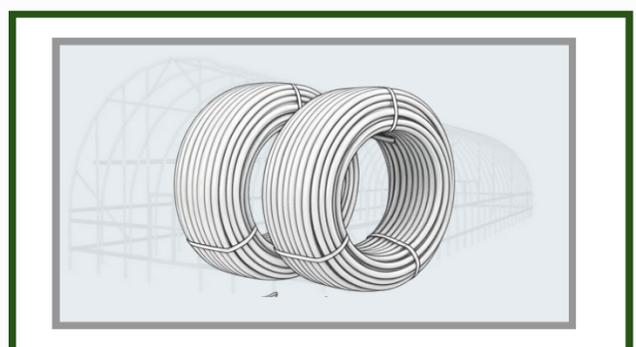


To connect Controller to Fans, Air Pumps, and Rollers.

## 25. Water Pipes\*

Length: 200'

Diameter: 20mm



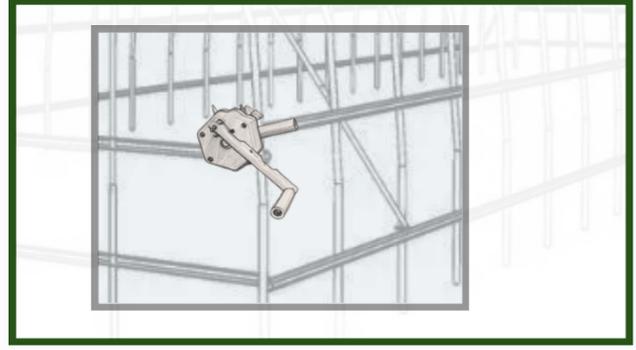
For water irrigation.

## 26. Standard Rollers <sup>4</sup>

Length: 300mm

Diameter: 60mm

Thickness: 1.5mm



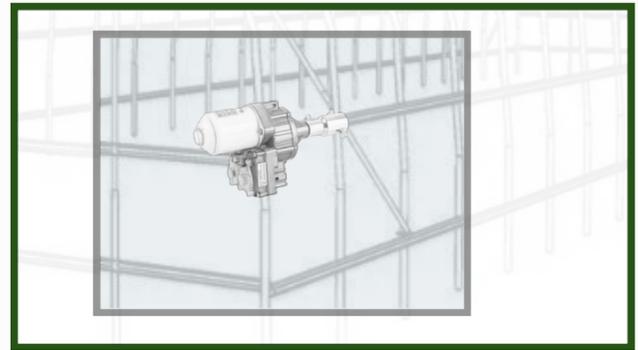
The manual rollers come with stop action levers for adjustable ventilation.

## 27. Electrical Rollers\* <sup>4</sup>

Length: 300mm

Diameter: 60mm

Thickness: 1.5mm



The electric rollers are much easier and faster than the manual ones.

## 28. Air Pump <sup>2</sup>

Length: 700mm

Diameter: 60mm

Thickness: 1.5mm



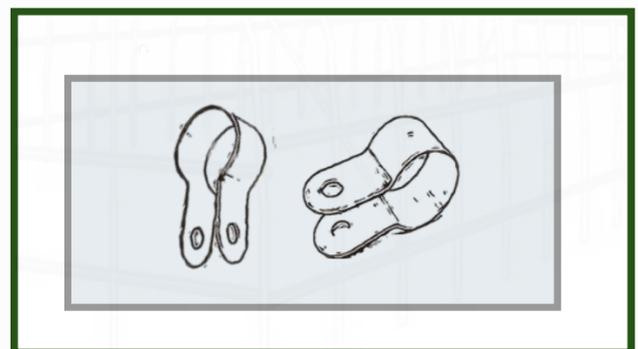
The Air Pump is specifically designed to create air insulation between two sets of poly.

## 29. Pipe Locks (L) <sup>100</sup>

Length: 450mm

Diameter: 80mm

Thickness: 1.5mm



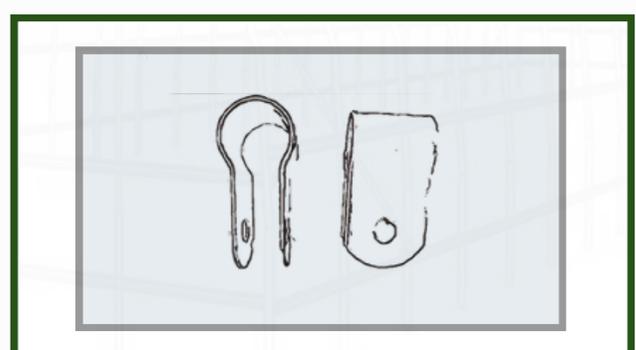
Pipe Locks are made to connect W supports to beams.

## 30. Pipe Locks (M) <sup>100</sup>

Length: 400mm

Diameter: 60mm

Thickness: 1.5mm



Pipe Locks are made to connect W supports to beams.

### 31. "U" Bolts

100

Length: 100mm

Diameter: 80mm

Thickness: 1.5mm



Used to Ridge secure pipes to the arches.

### 32. Self-Tapping Screws

42

Length: 60mm

Diameter:

15mm

Thickness: 1.5mm



Standard Self-Tapping screws.

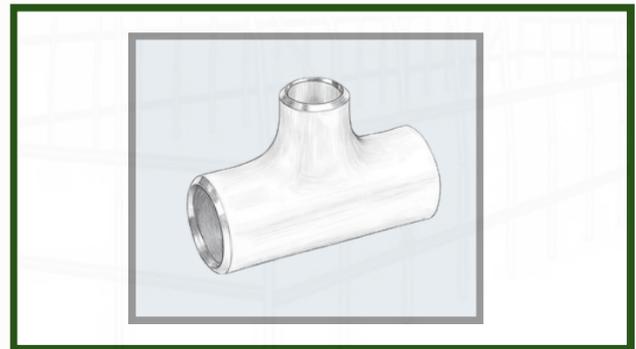
### 33. Pipe Joints (L)

10

Length: 300mm

Diameter: 60mm

Thickness: 1.5mm



The Pipe Joints connect the Arches to the Ridges.

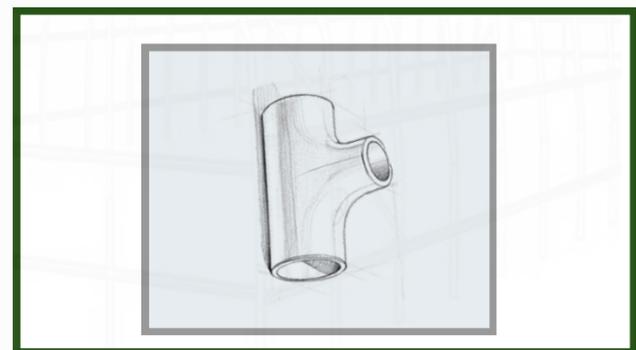
### 34. Pipe Joints (M)

10

Length: 300mm

Diameter: 60mm

Thickness: 1.5mm



The Pipe Joints connect the Arches to the Ridges.

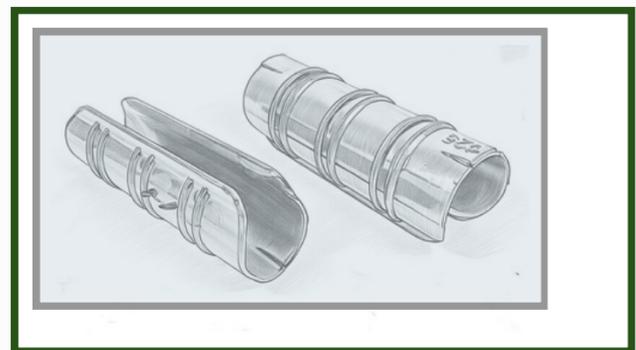
### 35. Poly Clips

200

Length: 200mm

Diameter: 30mm

Thickness: 1.5mm



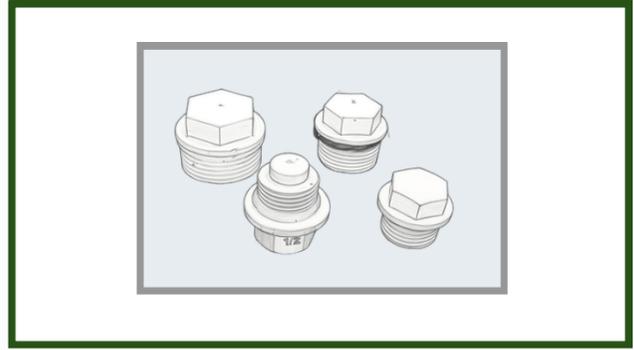
Used to secure the poly to the poly pipes.

### 36. Plugs <sup>200</sup>

Length: 30mm

Diameter: 30mm

Thickness: 1.5mm

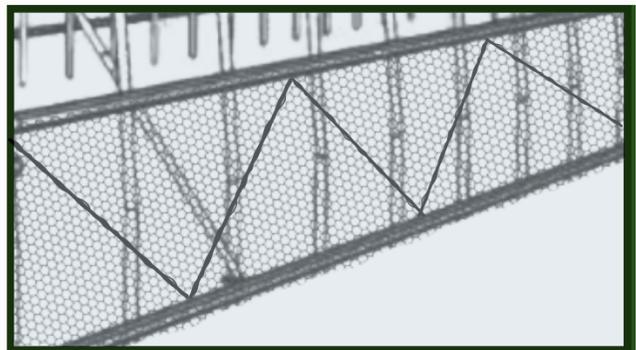


Used to plug the holes in the irrigation hose.

### 37. Rope <sup>20</sup>

Length: 2000'

Thickness: 2mm



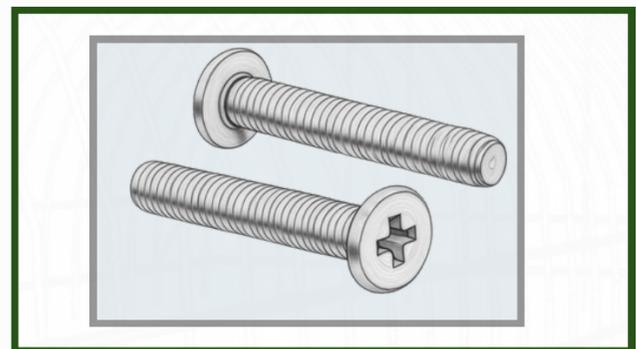
The rope secures the rollable poly sides in windy areas.

### 38. Screws <sup>1000</sup>

Length: 6096mm

Diameter: 48mm

Thickness: 1.5mm



Standard Screws used in connecting the frames.

### 39. Hose <sup>100</sup>

Length: 6400mm

Diameter: 60mm

Thickness: 1.5mm



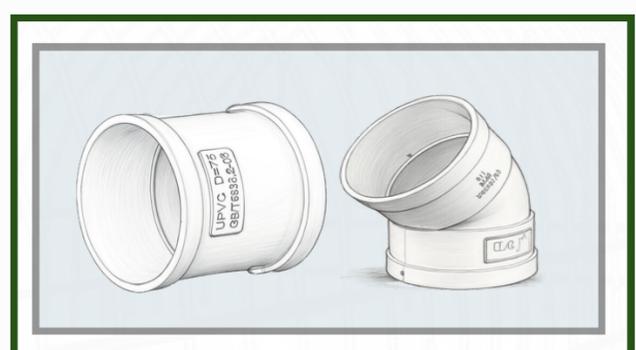
The hose is to be used with the water filter.

### 40. PVC (Assorted Pcs) <sup>40</sup>

Length: 120mm

Diameter: 75mm

Thickness: 2.0mm



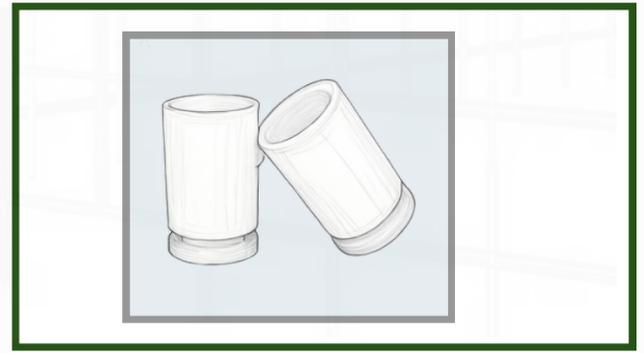
For water piping.

## 41. Sleeves <sup>14</sup>

Length: 40mm

Diameter: 65mm

Thickness: 1mm



These cover the end of the arches to protect the poly.

## 42. Ground Ties <sup>100</sup>

Length: 250mm

Diameter: 48mm

Thickness: 1.5mm



Ground Ties are to anchor shade tarps.

## 43. Shipping Crate <sup>1</sup>

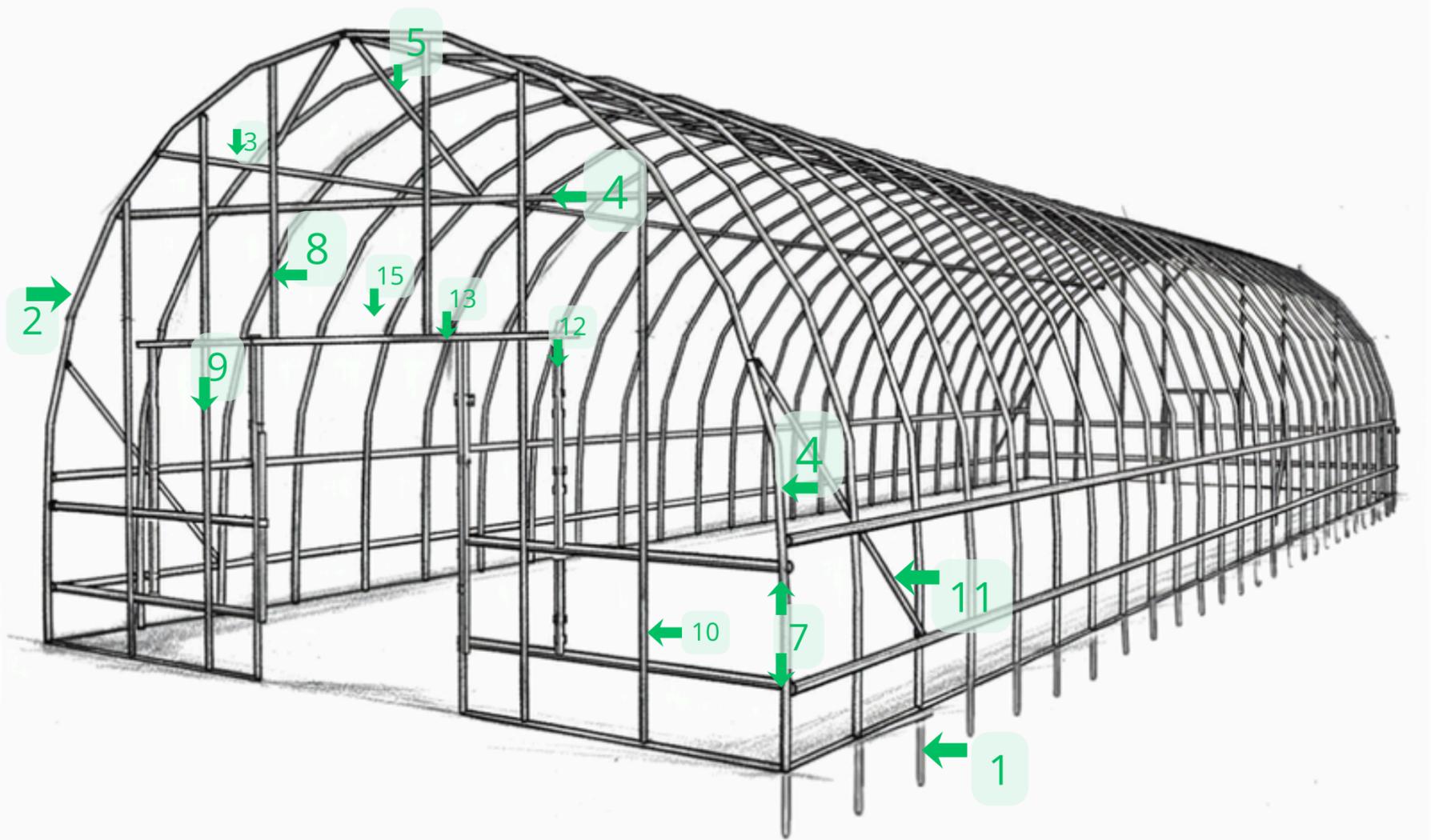
Length: 6096mm

Diameter: 48mm

Thickness: 1.5mm



2T. Additional packages may be shipped for add-ons.



1. The Foundations <sup>42</sup>	13. Door Tracks <sup>4</sup>	25. Water Pipes <sup>200</sup>	37. Rope <sup>2</sup>
2. The Arches <sup>21</sup>	14. Fans* <sup>2</sup>	26. Manual Rollers <sup>4</sup>	38. Screws <sup>2</sup>
3. The Ridges <sup>42</sup>	15. Fan Support Beams* <sup>2</sup>	27. Electric Rollers* <sup>2</sup>	39. Hose* <sup>2</sup>
4. The Beams <sup>17</sup>	16. 6M "Poly" Film <sup>1</sup>	28. Air Pump* <sup>1</sup>	40. PVC (Assorted)* <sup>2</sup>
5. The "W" Supports (L) <sup>34</sup>	17. Poly Channels <sup>40</sup>	29. Pipe Locks (L) <sup>100</sup>	41. Sleeves <sup>100</sup>
6. The "W" Supports (M) <sup>34</sup>	18. Channel Connectors <sup>40</sup>	30. Pipe Locks (M) <sup>100</sup>	42. Ground Ties <sup>100</sup>
7. Poly Pipes <sup>10</sup>	19. Wiggle Wire <sup>40</sup>	31. "U" Bolts <sup>100</sup>	43. Wooden Crate <sup>1</sup>
8. The Wall Beams (L) <sup>4</sup>	20. Insect Net <sup>2</sup>	32. Self-Tapping Screws <sup>1000</sup>	
9. The Wall Beams (M) <sup>4</sup>	21. Water Filter <sup>2</sup>	33. Pipe Joints (L) <sup>100</sup>	
10. The Wall Beams (S) <sup>4</sup>	22. Water Pumps <sup>1</sup>	34. Pipe Joints (M) <sup>100</sup>	
11. Wind Pipes <sup>4</sup>	23. Controller* <sup>1</sup>	35. Poly Clips <sup>100</sup>	
12. Sliding Doors <sup>4</sup>	24. Electrical Cable* <sup>200</sup>	36. Plugs <sup>100</sup>	



# SUN & STEEL AGRICULTURAL SOLUTIONS

## Need Help?

Give us a call at +1 (236) 777 - 4020

Thank You.