

12m x 4m x 2.4m  
LxWxH  
Enclosed Livestock  
Shelter

# Installation Instructions





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## Installation Instructions

Thank you for your order of our Enclosed livestock shelter. This shelter is a combination of excellent manufacturing and design. It is comprised of a rigid frame and a durable cover. For easy assembly, we have marked all the parts with codes. With proper installation, use and maintenance, your shelter will provide many years of suitable service.

## Tools Required

The following hand tools will be needed for the proper installation of your new building:

- 12mm, 14mm, and 17mm open-end wrenches
- 12mm, 14mm, 17mm sockets or box wrenches
- Large flat-head screwdriver
- 2lb maul or sledgehammer
- 4ft level
- 14ft step ladder
- Stake and string for aligning base plates and frame
- Scissors

## Assembly Procedure Overview

1. Prepare the location and place all unit boxes near the location sight. Perform an inventory check before beginning, to be certain all components are available for installation.
2. Before installing, make sure that the ground is flat and dry. These shelters cannot be installed on to particularly wet or muddy ground.
3. Assemble every group of the arch.
4. Assemble front and back panel.
5. Erect arches and connect with purlins.
6. Measure and secure base plates.
7. Install front and back PVC.
8. Install roof and side PVC.

## Maintenance & Care

1. If some parts of the cover are accidentally damaged during the installation, please contact us within 24 hours in regards to repairs/replacements so we can prevent the shelter from further damage and keep the building in a good condition.
2. When replacing the parts, make sure that the whole frame and the parts connected to the replaced parts are well fixed or supported.
3. Choose a windless day to replace the cover.
4. Start with making sure that all the bolts of the frame and the tensioning equipment is well fixed. When taking off the cover, make sure that the related ropes, etc. are taken off, and the cover will not be blocking anything.
5. Avoid taking off the cover with any heavy machinery.
6. To elongate the life of the cover, you can put small duct tape or anti-friction patches (provided by yourself) on the section of the frame that comes in contact with the cover. The tape or patch acts as a cushion to avoid rubbing damage to the cover over the years.
7. Every few months, the building should be completely inspected and maintained internally and externally to make sure that the building remains properly installed and secured. This includes:
  - Checking all bolts and hardware connectors to be sure that they are in place and tightened
  - The base plates are still fixed firmly
  - Check and adjust the ropes if in need
  - Clean the cover with suitable washing. (If dirt and debris sit on the cover for too long, this can cause damage)

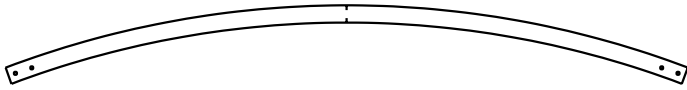
Thanks again for choosing this quality product.

## Inventory List

Code	PART LIST	Quantity
1	Top roof tube	7
2	Shoulder tube	14
3	Sidewall tube	10
3A	Sidewall tube for front and back panel	4
4	Horizontal tube	42
5	Base plate	17
5A	Base plate for front panel	1
6	Upper vertical tube for front panel	2
6A	Upper vertical tube for back panel	1
7	Lower vertical tube for front panel	2
7A	Lower vertical tube for back panel	1
8	Rails	28
8A	Rail door	2
8B	Rails beside the door	4
9	Stake pegs	34
10	Locker of the door	2
10A	Connectors for door	1
11	Clips	2
12	Hexagon bolts M8*50	106
13	Carriage bolts M8*55	96
14	Hexagon bolts M8*60	50
14A	Hexagon bolts M8*25	3
15	Roof cover	1
16	Cover for back panel	1
17	Cover for sidewall	2
18	Rope for cover Installation	8
19	Tensioning tube for roof cover	12L + 2S
20	Ratchet for tensioning tube	24
21	Band for ratchet	24
22	Cable ties	1 pack

## Drawing of Parts

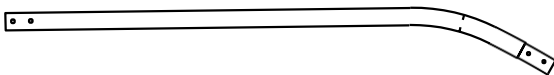
Part#1 5PCS



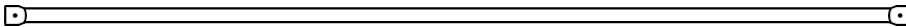
Part#2 10PCS



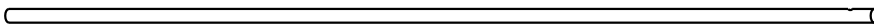
Part#3/3A 6/4PCS



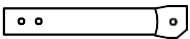
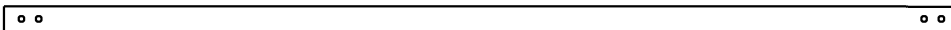
Part#4 20PCS



Part#19 4PCS

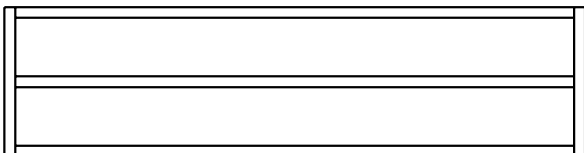


Part#7/7A 2/1PCS

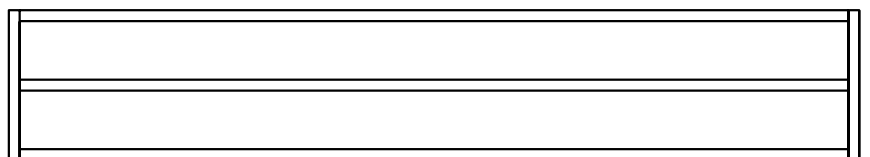


Part#6/6A 2/1PCS

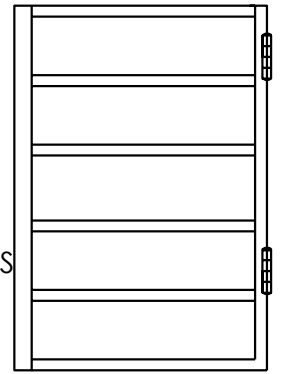
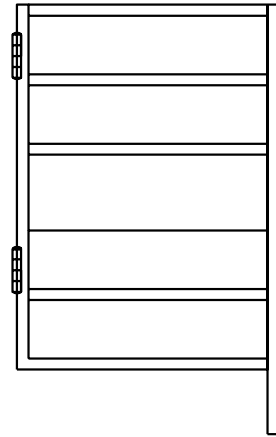
Part#8B 4PCS



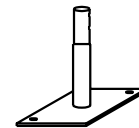
Part#8 20PCS

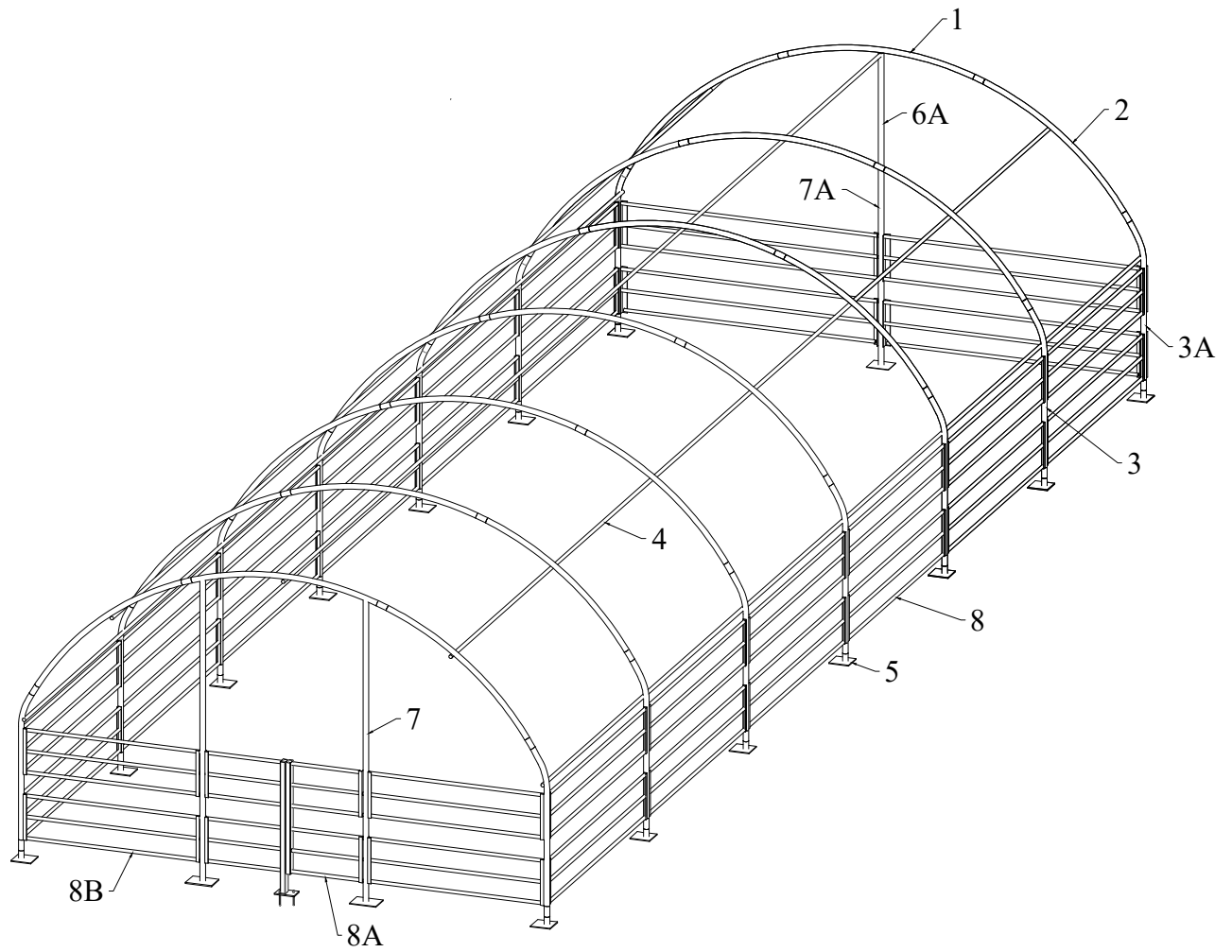


Part#8A 2PCS



Part#5 13PCS

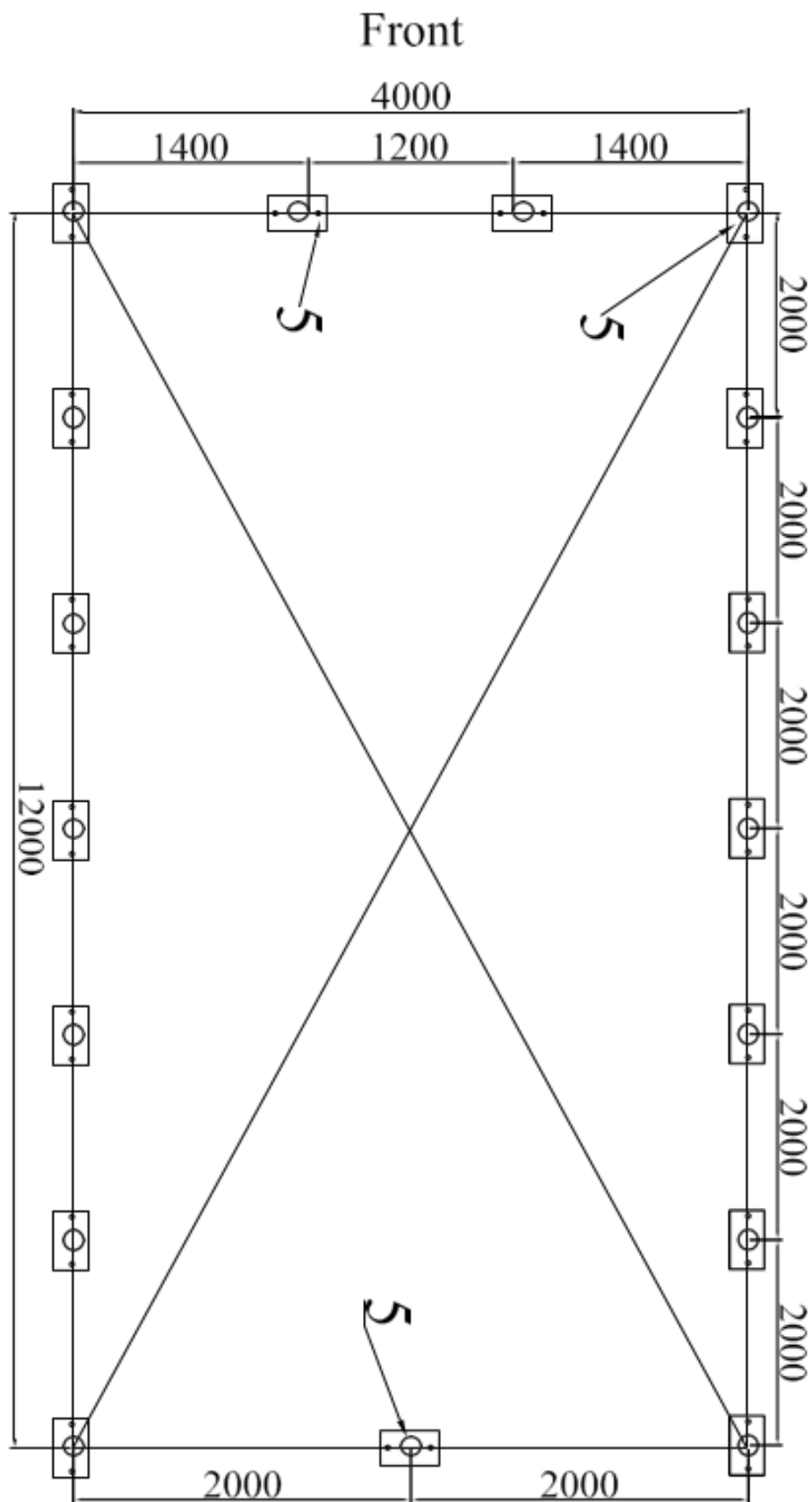






## Base Plate Drawing





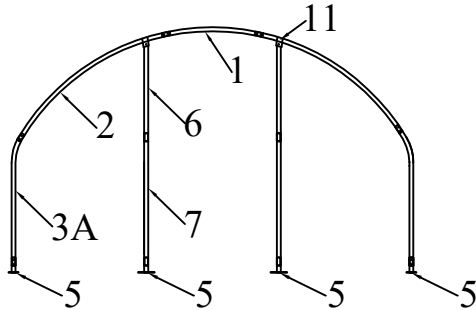
## Step 1: Assemble Front and Back Panels

### Parts Used:

- Upper Vertical Tubes (Part #6, #6A)
- Lower Vertical Tubes (Part #7, #7A)
- Sidewall Tubes for Front/Back (Part #3A)
- Rails Beside Doors (Part #8B)
- Rail Doors (Part #8A)
- Door Lockers and Connectors (Parts #10, #10A)
- Base Plates for Panels (Part #5, #5A)
- Hexagon bolts M8\*50 (Part #12)
- Carriage bolts M8\*55 (Part #13)
- Clip (Part #11)
- Hexagon bolts M8\*25 (Part #14A)

### Instructions:

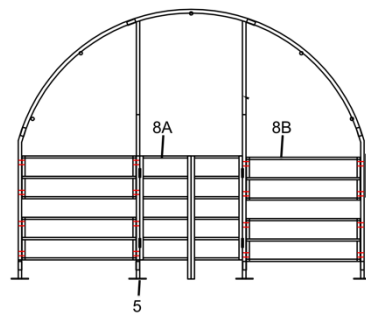
Assemble the front and back panel frames on the ground. Attach vertical, sidewall, and door components. Then secure the appropriate base plates to each vertical tube, but do not anchor them yet.



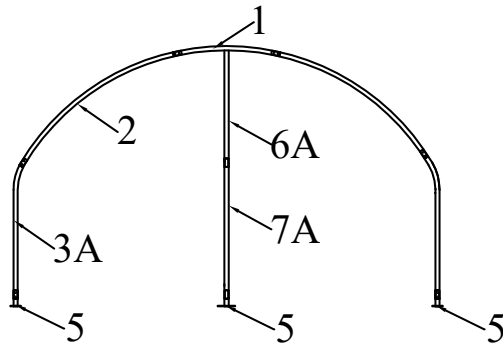
Scan for video 1-2, 5-3 - ELS



Scan for video 1-11-6-7 - ELS



Scan for video 8B-3A, 8A - ELS



Scan for video 1-2, 5-3 - ELS



Scan for video 6A-7A - ELS

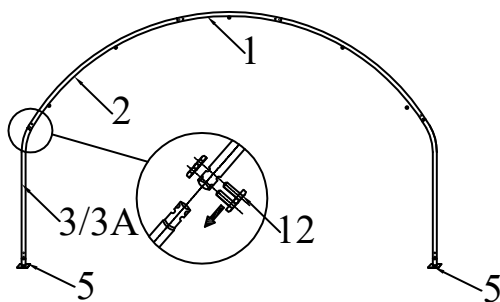
## Step 2: Build Arches and Attach Base Plates

### Parts Used:

- Top Roof Tubes (Part #1)
- Shoulder Tubes (Part #2)
- Sidewall Tubes (Part #3)
- Base Plates (Part #5)
- Hexagon bolts M8\*50 (Part #12)

### Instructions:

Assemble all arches on the ground. Attach a base plate to each leg of every arch once assembled.



Scan for video 1-2, 5-3 - ELS

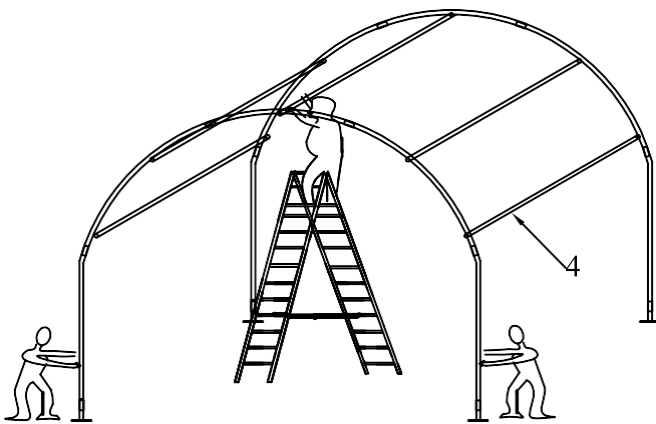
## Step 3: Connect Frame Sections

### Parts Used:

- Horizontal Tubes / Purlins (Part #4)
- Rails (Part #8)
- Hexagon bolts M8\*55 (Part #13)
- Hexagon bolts M8\*60 (Part #14)

### Instructions:

Stand up the front panel and first arch, connecting them with purlins and rails. Continue adding arches and connect the back panel to complete the full frame.



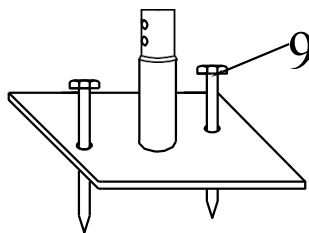
## Step 4: Position and Anchor Base Plates

### Parts Used:

- Stake Pegs (Part #9)
- Rope (user-supplied)
- Anchoring Bolts (optional)

### Instructions:

Tie rope between base plates to achieve correct spacing per the base layout drawing. There should be slight tension in the poles. Once the structure is square and aligned, anchor each base plate using the stake pegs or, if unsuitable, use anchoring bolts into firm surfaces.



## Step 5: Install Front and Back PVC Panels

### Parts Used:

- End Panel Covers (Part #16)
- Rope (Part #18)
- Cable Ties (Part #22)

### Instructions:

Install the front and back PVC covers before the roof. These can be secured using the provided ropes or with cable ties. Some customers prefer to use both for extra security. Ensure the covers are tight and evenly positioned on the frame.

## Step 6: Prepare and Pull Over the Roof Cover

### Parts Used:

- Roof Cover (Part #15)
- Tensioning Tubes (Part #19)
- Rope (Part #18)

### Instructions:

Lay the PVC roof cover along one side of the shelter. Cut small slits in the bottom pocket and insert the tensioning tubes (Part #19). Cut 3 small holes at the 2 end and center to tie ropes to these three points, throw the ropes over the top, and carefully pull the cover into place.



Scan for video RoofCover - ELS

## Step 7: Tension and Secure the Roof Cover

### Parts Used:

- Ratchets (Part #20)
- Bands / Straps (Part #21)
- Tensioning Tubes (Part #19)
- Rails (Part #8)

### Instructions:

Once the roof cover is pulled over the structure, you will need to cut small slits in the PVC cover directly above the pole where Part #19 runs.

Next, insert the strapping bands (Part #21) through the slits and wrap them around the tensioning tube (Part #19) inside the cover. Then, attach the other end of each strap securely to the horizontal frame rails (Part #8) on both sides of the structure.

Use two ratchets (Part #20) per bay to evenly tighten the straps, pulling the cover down snugly across the frame.



Scan for video - Ratchet - ELS

## Step 8: Install Side Skirt Panels

### Parts Used:

- Sidewall Covers (Part #17)
- Rope (Part #18)

### Instructions:

Install the skirt panels along both sides after the roof has been tensioned. Use the provided rope to tie the skirt covers securely to the base and frame, ensuring a taut and neat finish.



Scan for video of Complete ELS

*The instructional videos referenced in this manual demonstrate the 8m x 4m x 2.4m model*

### Kit Buildings Disclaimer:

Please note that our installation instructions are to be used as an illustrative guide & may have slight differences to the paper instructions that are packaged together with the shelter.

Please use the instructions inside the boxes you receive for the most accurate & up to date illustrative guide for installation. Kit Buildings accepts no liability for consequential loss including costs or issues that arise from discrepancies with this guide & illustrations.