



easy**build**

Assembly Instructions



Watch Video

Thank you for purchasing your EasyBuild Polytunnel

Before you begin to build, we recommend ensuring all parts are present and having a thorough read of the instructions.

Your health and safety is important to us, please take care when constructing your polytunnel.

Need help or advice along the way?

Call our team on 01282 873120
Email info@npstructures.co.uk

Failure to follow these instructions may compromise the structural integrity of your polytunnel.

NP Structures Ltd accepts no liability for damage resulting from use not in accordance with these instructions.

Tools

SUPPLIED

- 4mm allen key
- 5mm allen key
- Tex screw bit
- Screw anchor insertion bar

REQUIRED

- Spade
- Wire cutters
- String
- Spirit level
- Tape measure
- Stanley knife
- Scissors
- Ladders
- Drill
- 13MM spanner or socket
- Hammer
- Marking sticks/canes
- 10MM masonry drill bit (Base plates only)



Prefer to watch? Follow along with our video guide for visual instructions to make building your EasyBuild polytunnel even easier.

FOUNDATIONS 4

BASE RAILS 7

HOOPS 10

RIDGE BARS 11

CORNER BRACING 12

DOOR FRAMES TOP 14

DOOR FRAMES BOTTOM (SOIL) 15

GABLE END BASE RAIL 18

DOOR FRAMES BOTTOM (BASE PLATE) 19

BRACE BARS (OPTIONAL) 22

SIDE VENTILATION (OPTIONAL) 23

COVERING 26

COVERING (TRENCHED FIXING METHOD) 32

SLIDING DOOR 36

DOOR FITTING 39

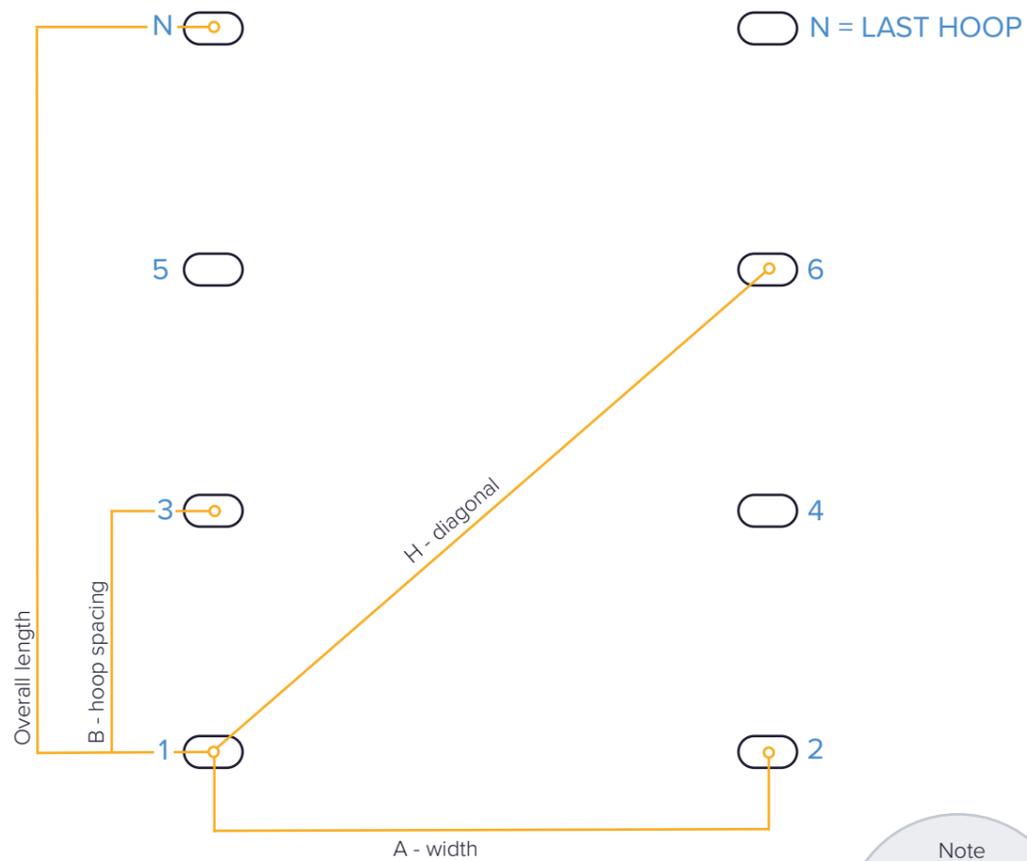
DOUBLE DOORS 41

PVC DOOR 42

TOOLS NEEDED: TAPE MEASURE, STRING, SPIRIT LEVEL, MARKERS/CANES

Use this table to help you place your foundations

Diagram for illustrative purposes only, repeat the process for the number of hoops you have ordered (1 per 1.5m increment)



Note
All measurements are taken from the centre of the tube

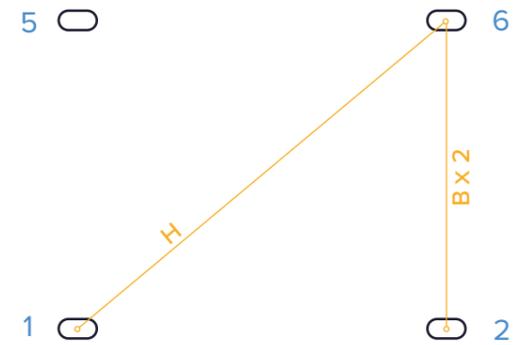
TUNNEL WIDTH	A WIDTH CENTRE TO CENTRE	B HOOP SPACING CENTRE TO CENTRE	H DIAGONAL CENTRE TO CENTRE
2.5M	2550MM	1500MM	3937MM
3M	3050MM	1500MM	4278MM
3.5M	3550MM	1500MM	4648MM
4M	4050MM	1500MM	5040MM
4.5M	4550MM	1500MM	5450MM

METHOD:

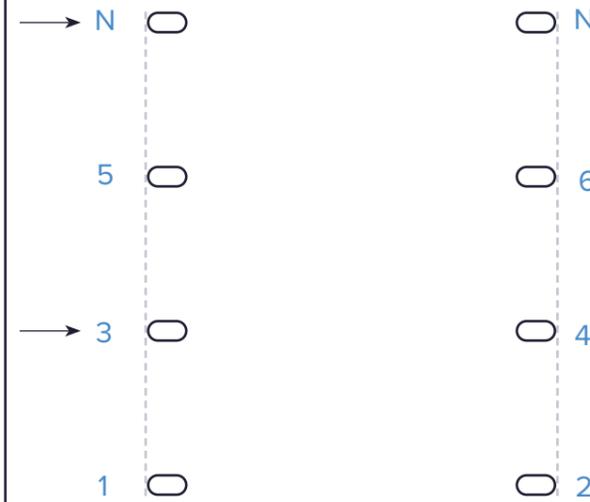
You may wish to mark out your foundation placement with markers or stakes before positioning the actual foundations.



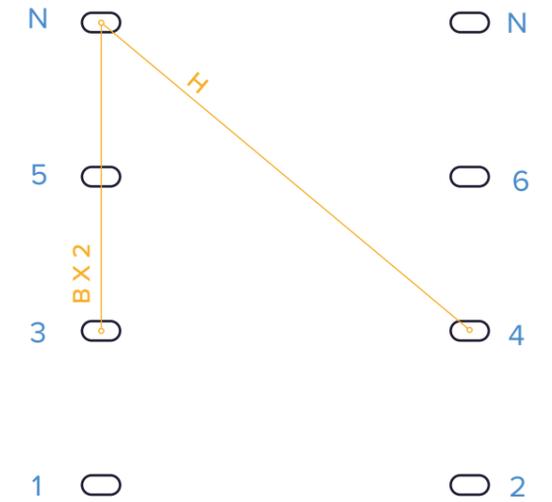
1. Position foundations 1 & 2
Check **A** is correct
Check alignment of the two hoops



2. Position foundation 6
Check **H** is correct
Check **B** is correct (should equal B x 2)
Repeat for foundation 5



3. Stringline the length of the tunnel from 1 & 2 to **N** (last foundations) The stringline should touch the outer edge of your foundation tubes
Use the stringline to help you place your last foundations (**N**) as well as any other foundations (IE. 3 & 4)



4. Check alignment of the far end of your polytunnel:
Check **H** is correct
Check **B** is correct
Repeat on each end foundation

TOOLS NEEDED:

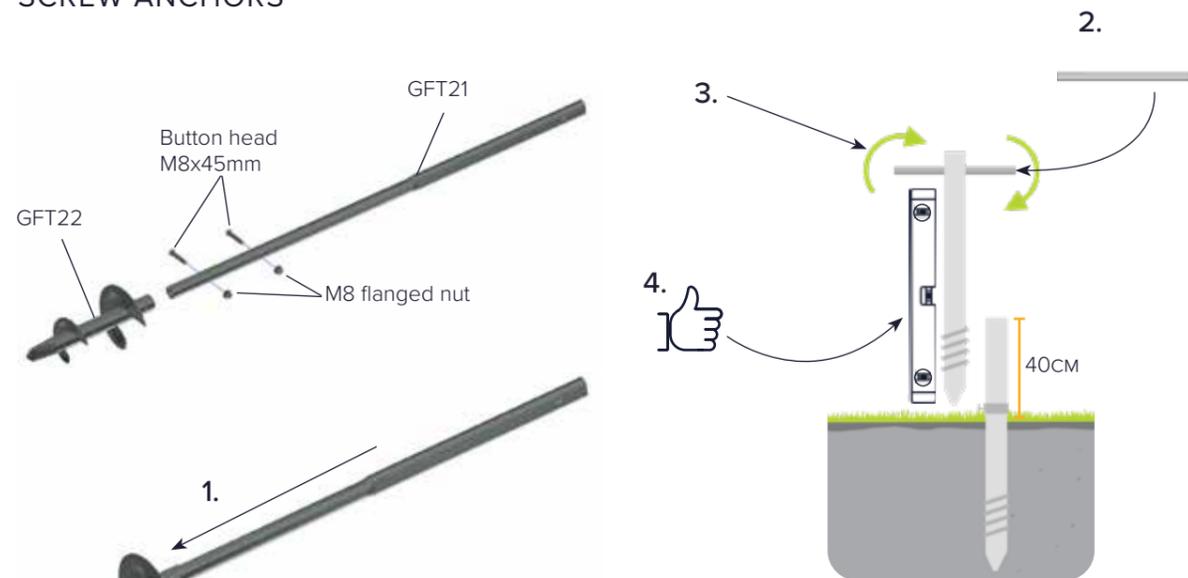
SCREW ANCHORS - SPIRIT LEVEL, TAPE MEASURE, SCREW ANCHOR INSERTION BAR

BASE PLATES - DRILL, 10MM MASONRY DRILL BIT, HAMMER & 1 X 13MM SPANNER/SOCKET

CONCRETE GROUND TUBES - SPADE, CONCRETE/POSTCRETE, SPIRIT LEVEL & TAPE MEASURE

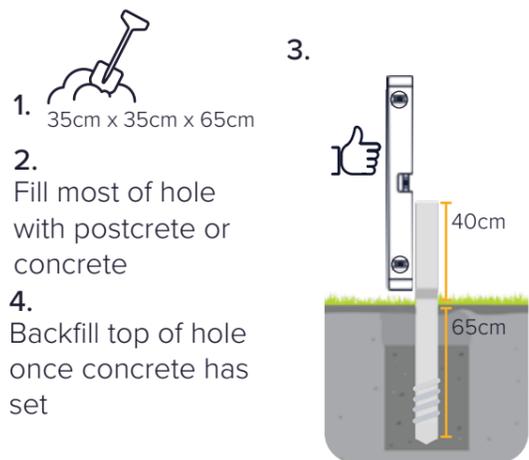
Set your foundations using the method below.

SCREW ANCHORS

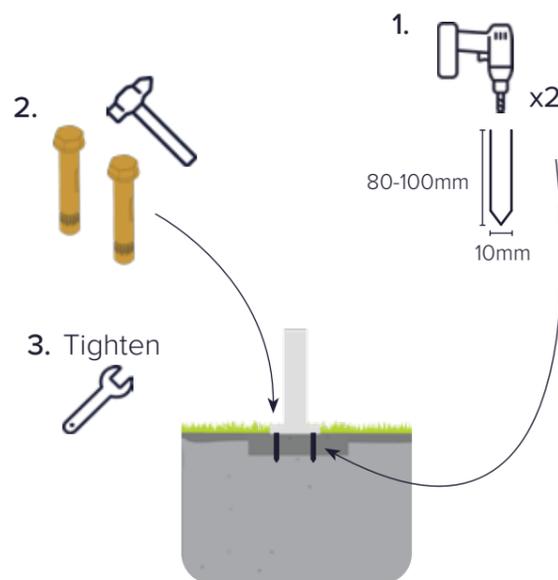


CONCRETE FOUNDATION

Screw anchors can be concreted into the ground



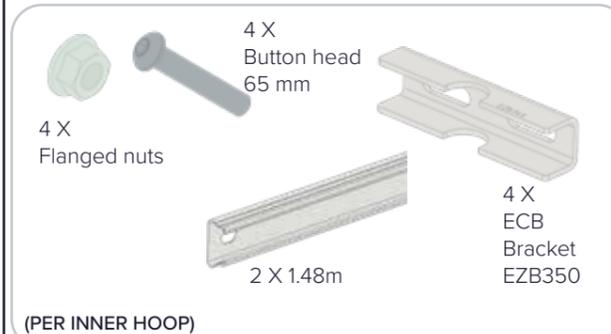
BASE PLATES



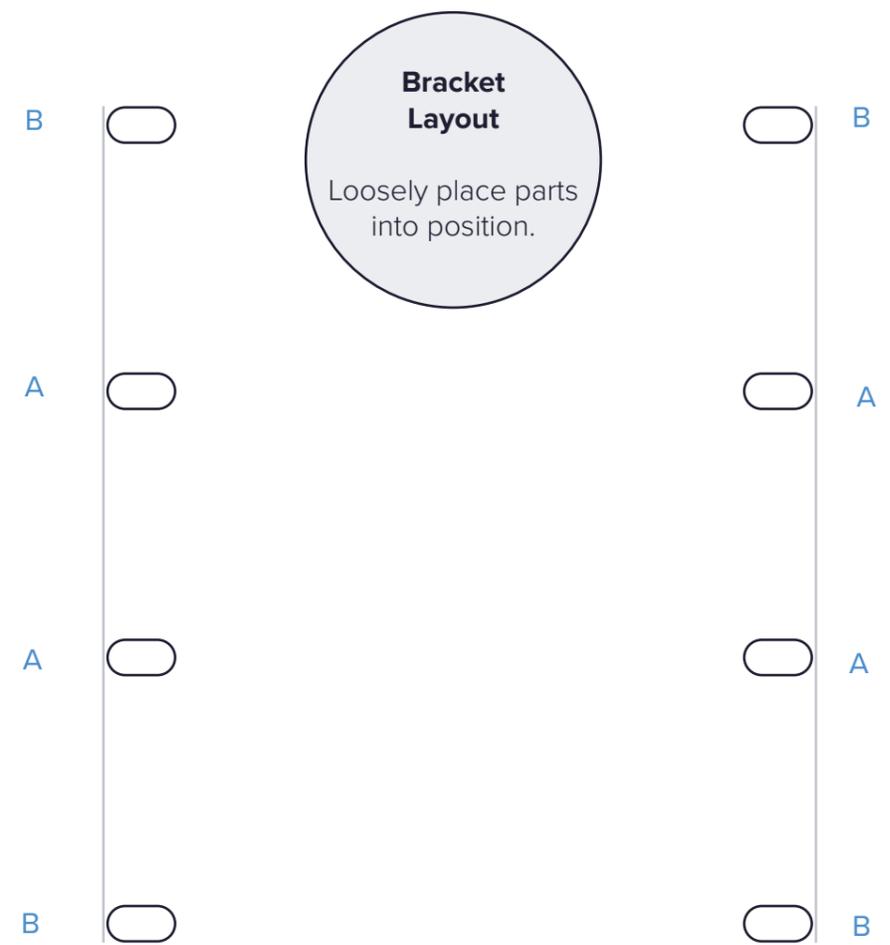
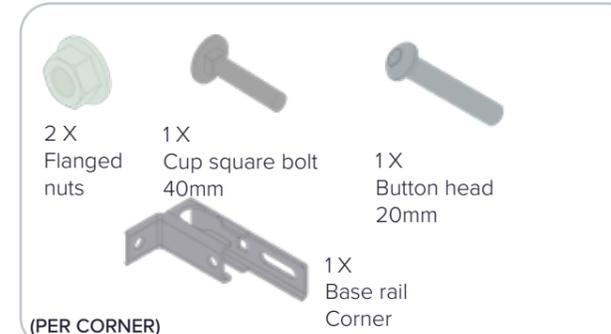
TOOLS NEEDED: SPIRIT LEVEL, 1 X 13MM SPANNER/SOCKET, ALLEN KEY

PACKS NEEDED: EZB203, EZB202

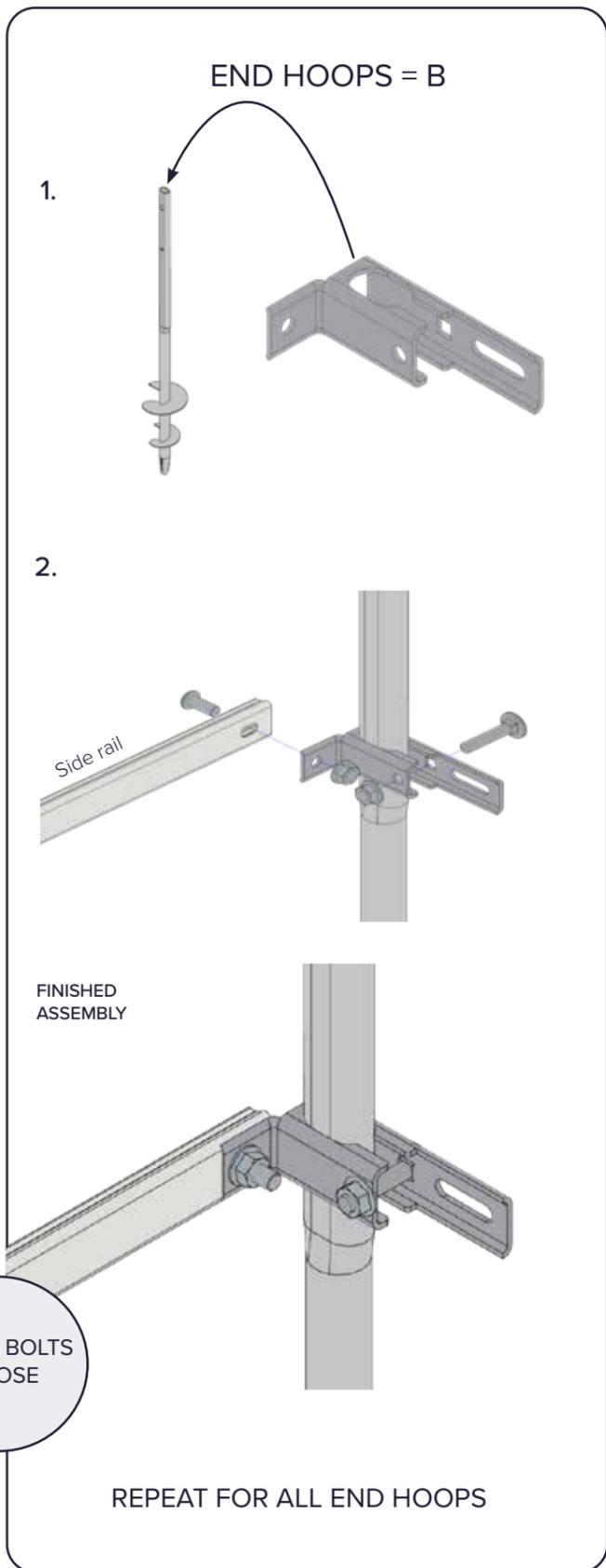
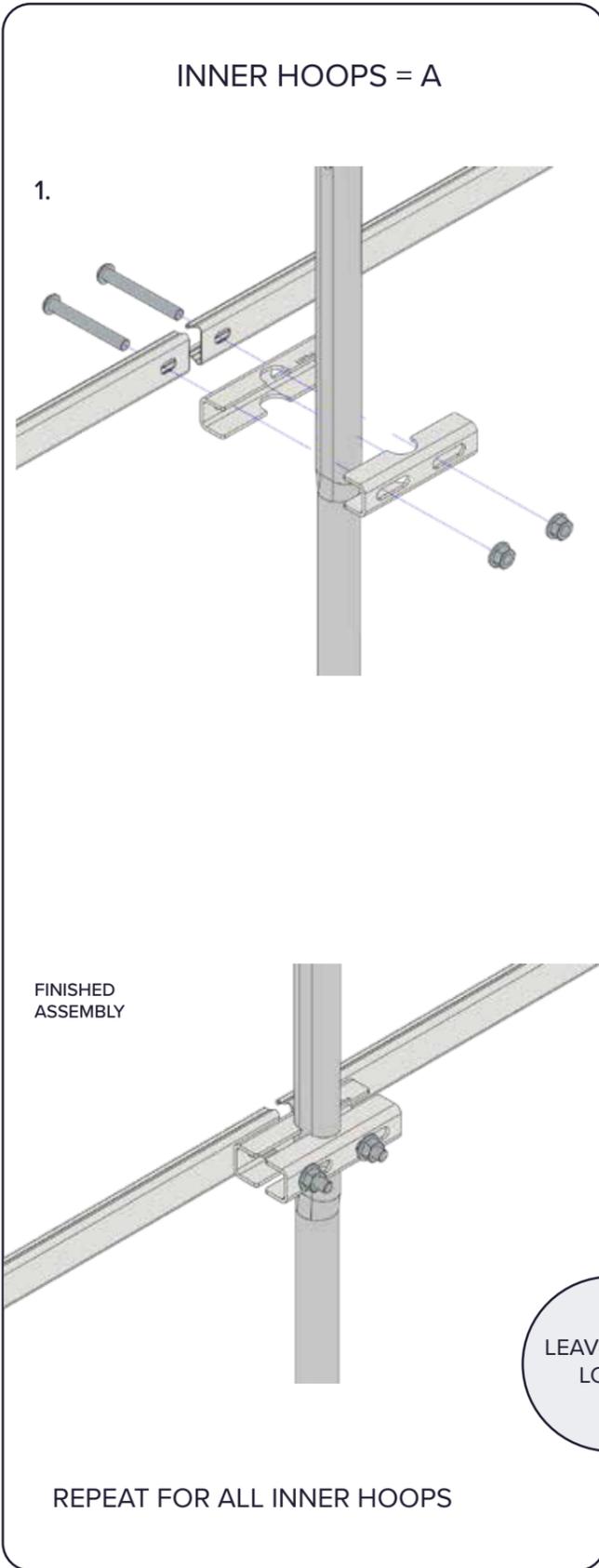
INNER HOOPS = A



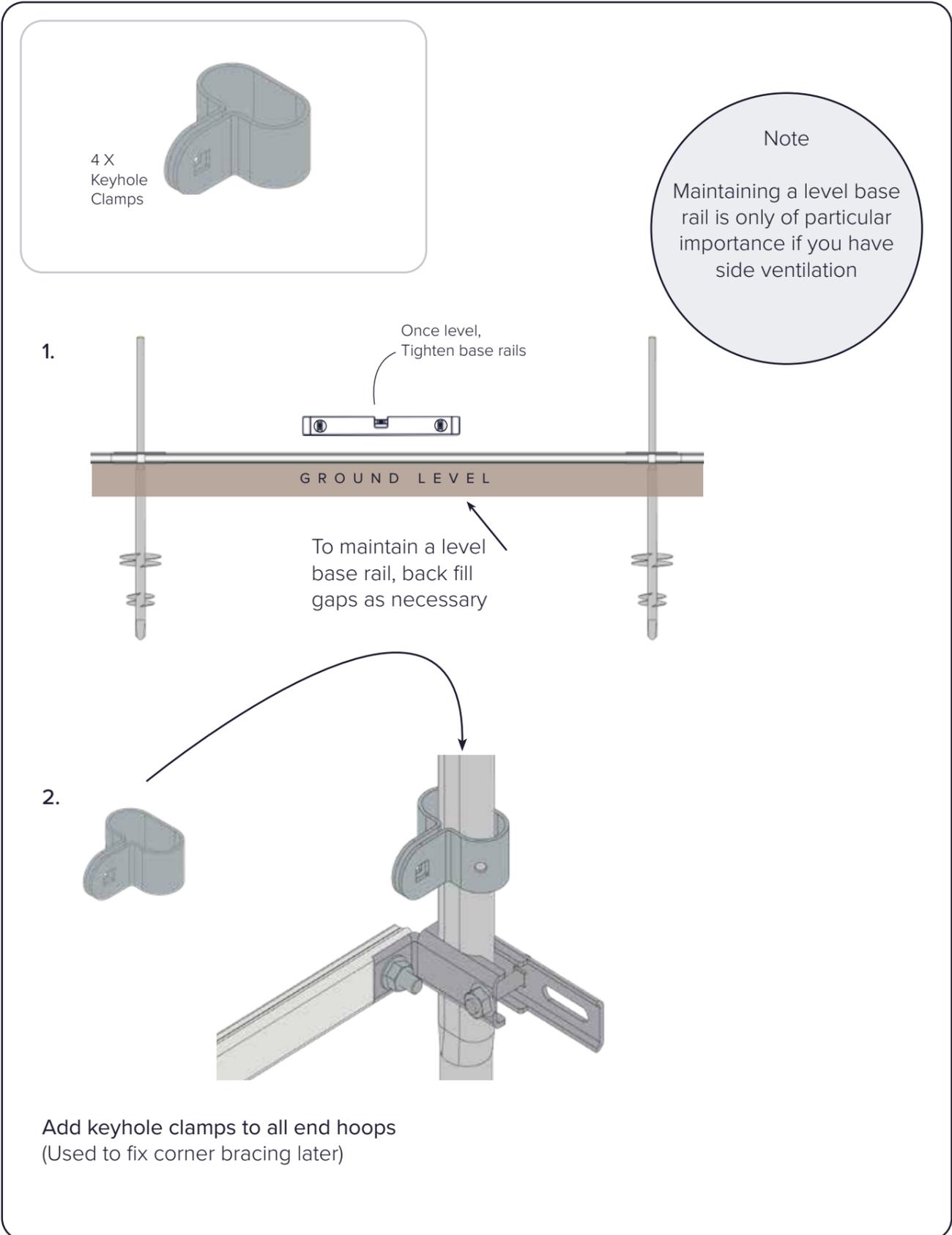
END HOOPS = B



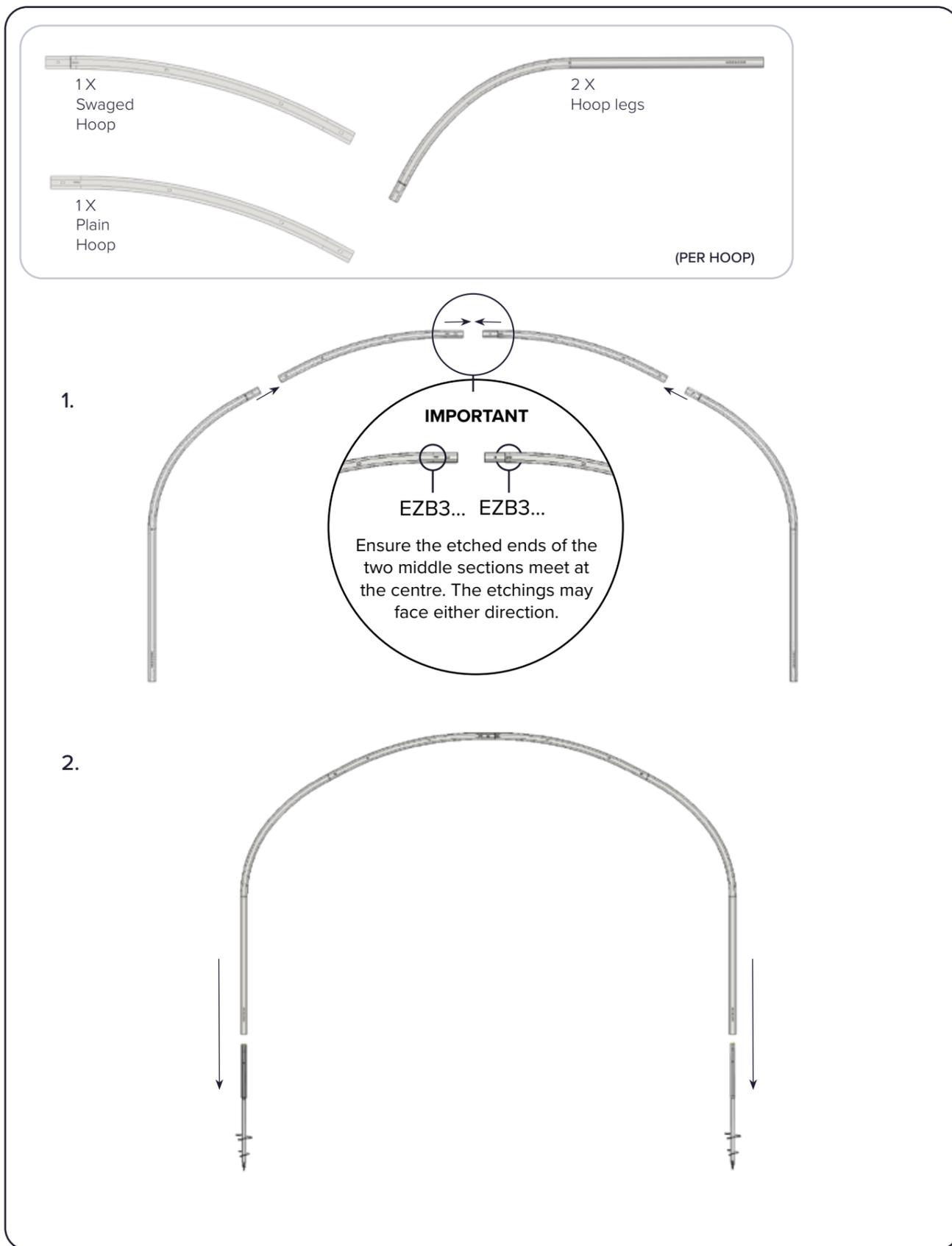
TOOLS NEEDED: SPIRIT LEVEL
PACKS NEEDED: EZB200



LEAVE BOLTS LOOSE

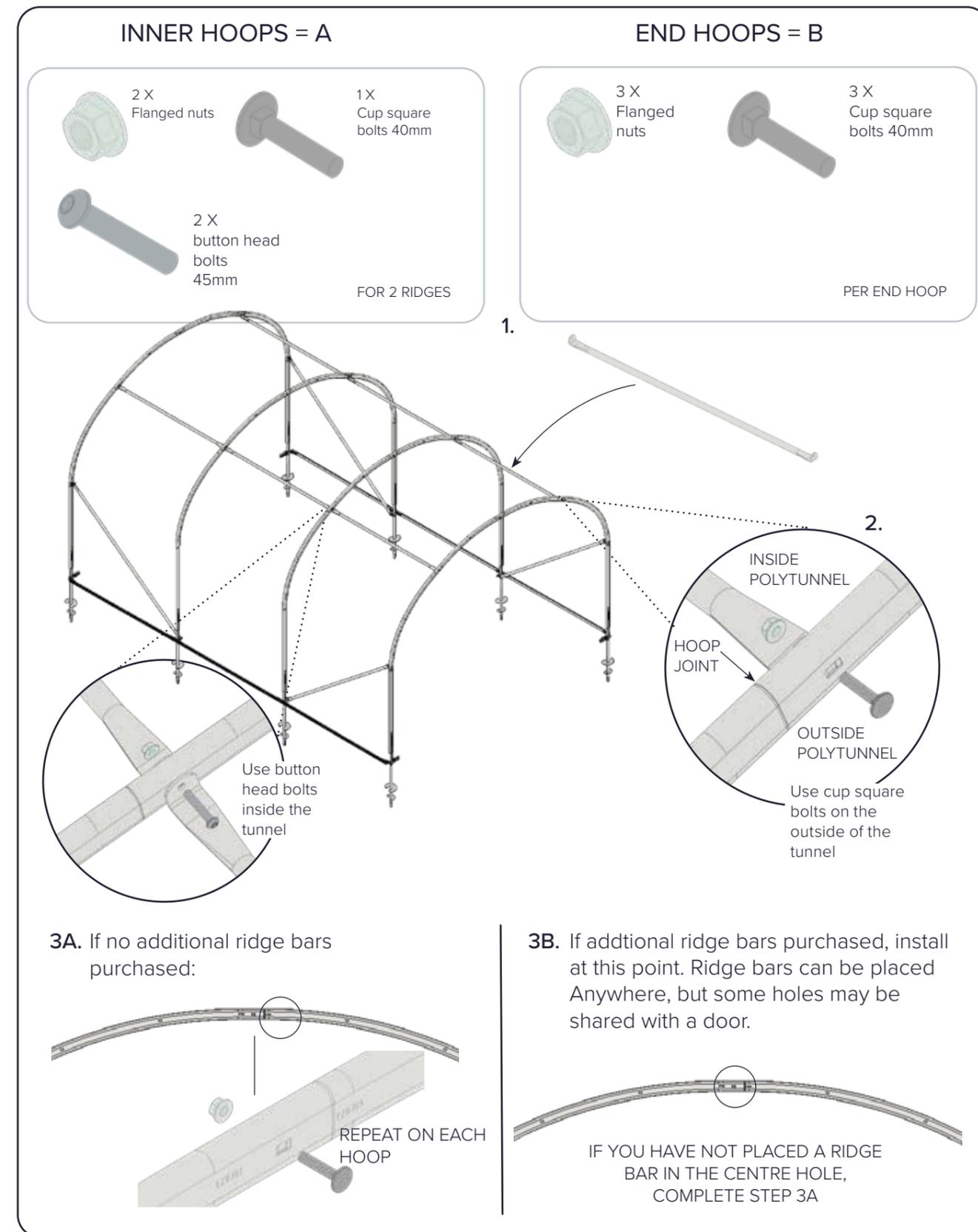


TOOLS NEEDED: NONE



TOOLS NEEDED: 1 x 13MM SPANNER/SOCKET

PACKS NEEDED: EZB201, EZB200



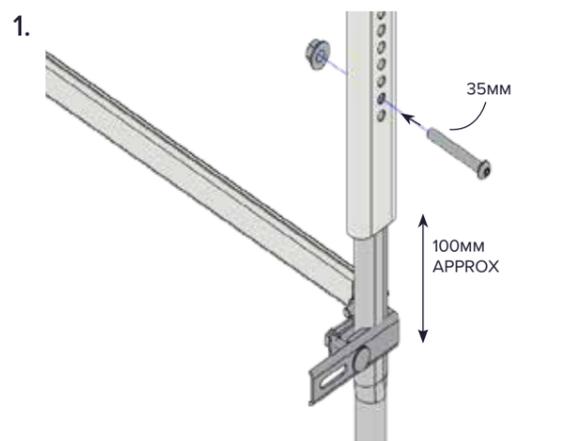
TOOLS NEEDED: 1 x 13MM SPANNER/SOCKET, 4MM ALLEN KEY, SPIRIT LEVEL

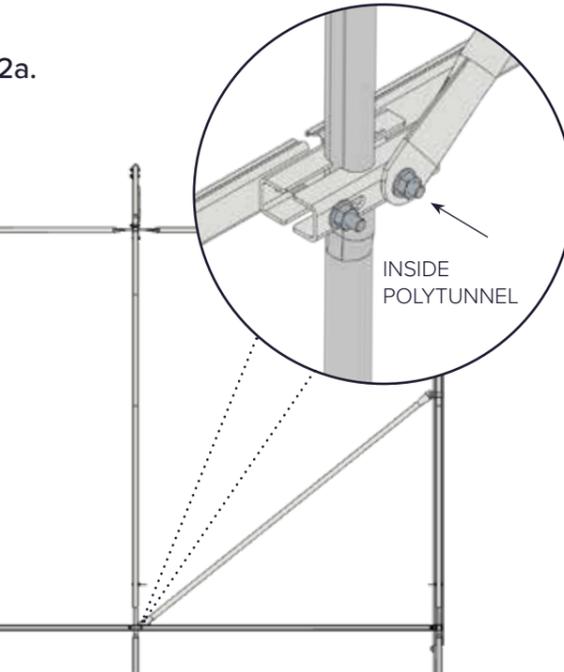
PACKS NEEDED: EZB200

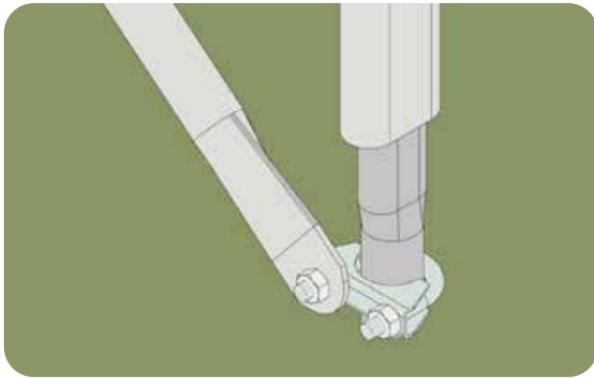
4 X
Corner brace
1.85m hole to hole

8 X
Flanged
nuts

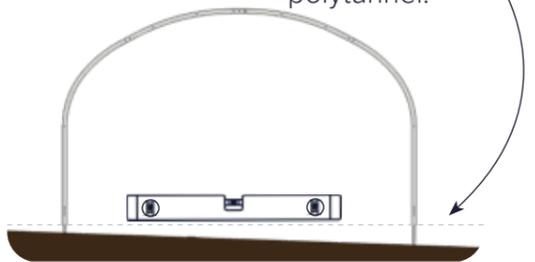
4 X
35mm
Button head
bolts

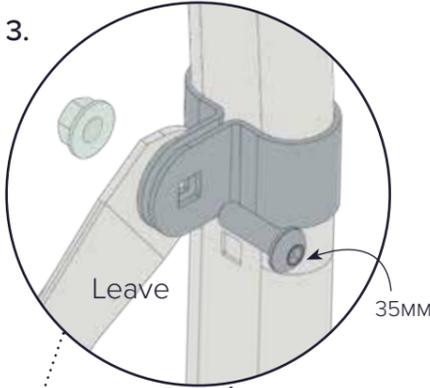
1. 

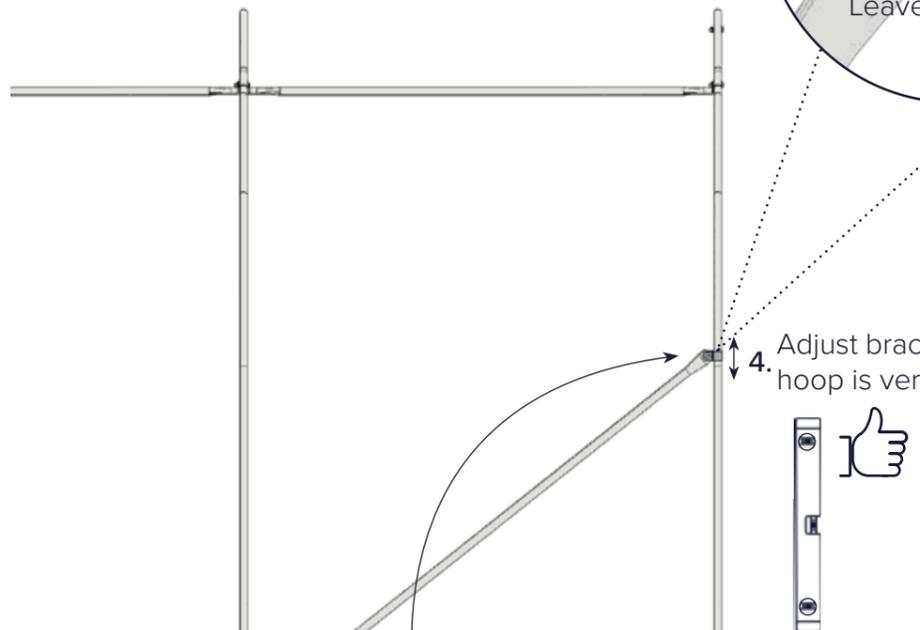
2a. 

2b. 

! If the ground is out of level across the width of the polytunnel use the end hoops to level the polytunnel.



3. 

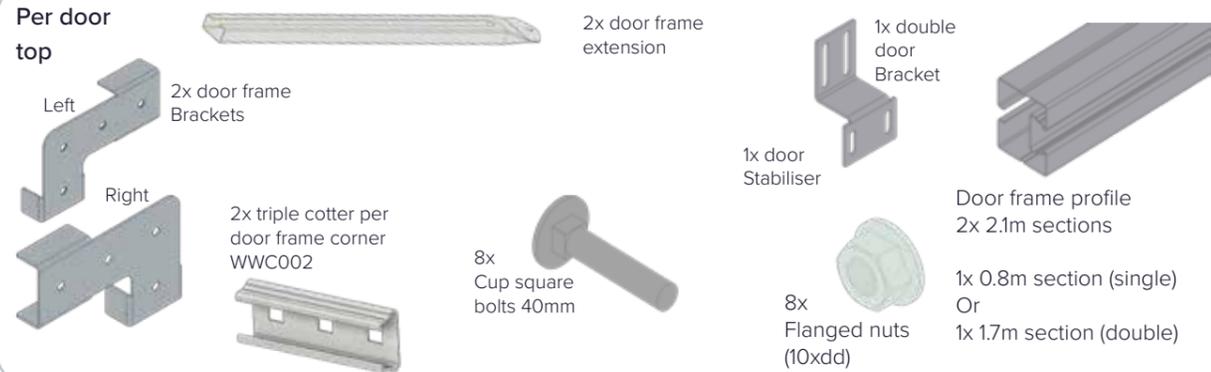
4. 

5. Tighten bolts

REPEAT PROCESS ON EACH CORNER

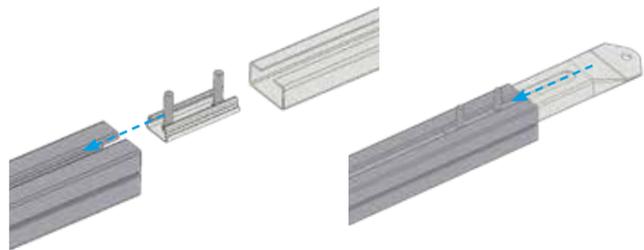
! If installing side vents, insert a bolt into every hoop/foundation connection. This ensures the hoops are secure as the build progresses.

TOOLS NEEDED: 13MM SPANNER/SOCKET, DRILL, TEK SCREW BIT, STRING LINE, SPADE, TAPE MEASURE, SPIRIT LEVEL
 PACKS NEEDED: EZB206

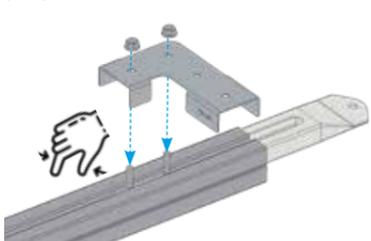


Assemble door frame on a flat surface.

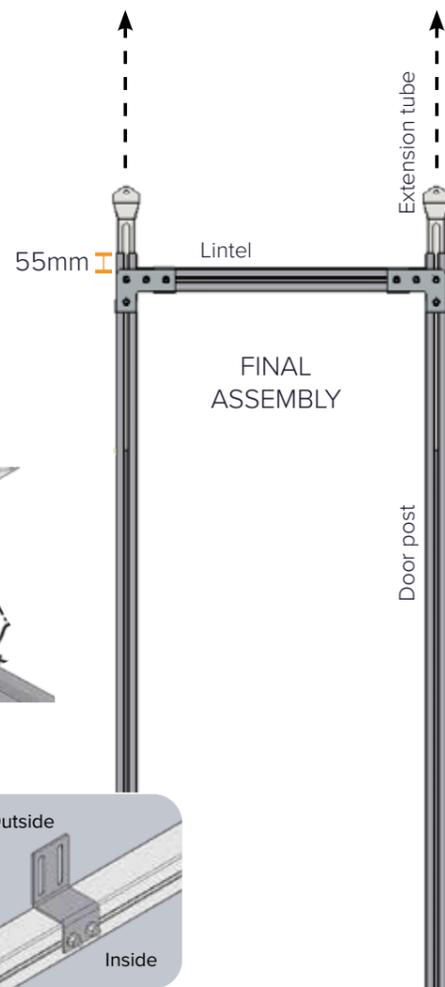
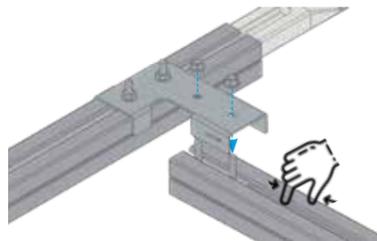
1. Slide cotter assembly and extension onto door post.



2. Squeeze door post profile and attach bracket over profile.

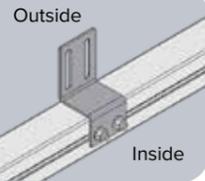


3. Repeat process for lintel profile.



DOUBLE DOOR ONLY

Slide an additional double cotter & cup square bolts into the lintel. Attach the double door bracket in the centre of the lintel.

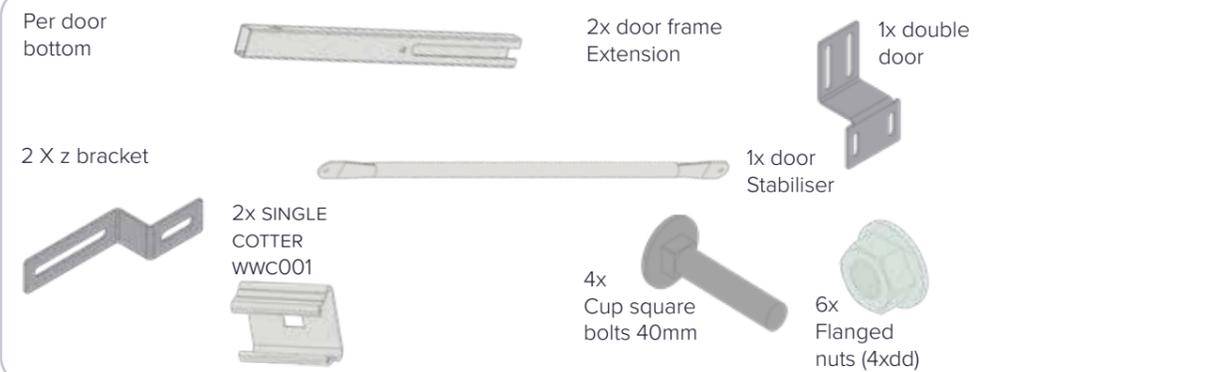


3.5M WIDE TUNNELS ONLY

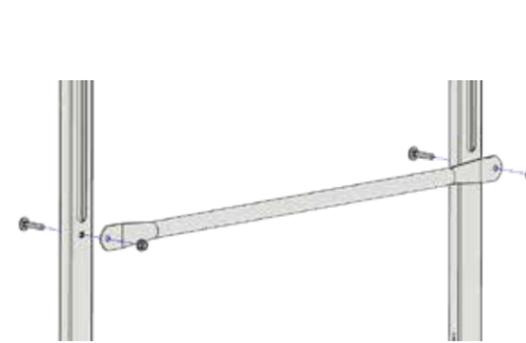
If your tunnel is 3.5m wide and includes a double door you will need to cut the door posts to fit under the hoop.

If using base plates skip to page 19

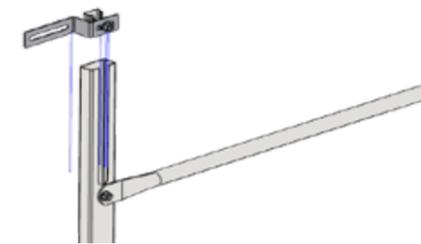
TOOLS NEEDED: 13MM SPANNER/SOCKET, DRILL, TEK SCREW BIT, STRING LINE, SPADE, TAPE MEASURE, SPIRIT LEVEL
 PACKS NEEDED: EZB206, EZB216



1.

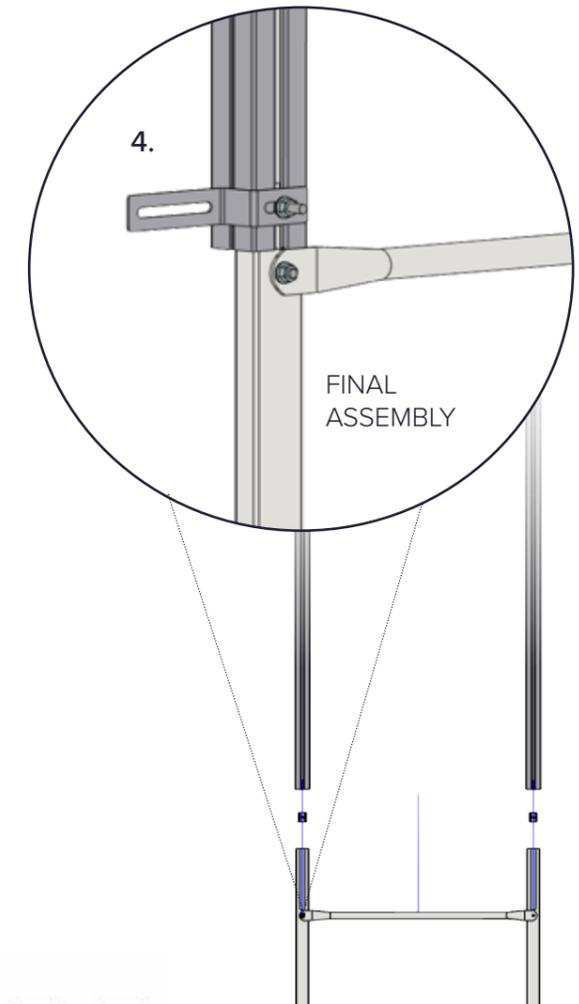


2. Slide cotter, bolt & Z bracket on extension tube



Repeat steps 1 & 2 for both sides before moving on to step 3

3. Slide onto door post



5.

6.

CENTER LINE

STRING LINE

30CM

30CM

X

7. MEASURE

SINGLE DOOR X = 85CM
DOUBLE DOOR X = 175CM

8.

9.

INSIDE POLYTUNNEL

OUTSIDE POLYTUNNEL

10. CHECK LEVELS & ALIGNMENT

11. GROUND LEVEL

12.

BACK FILL HOLES

If door posts do not fit under the hoop, either:

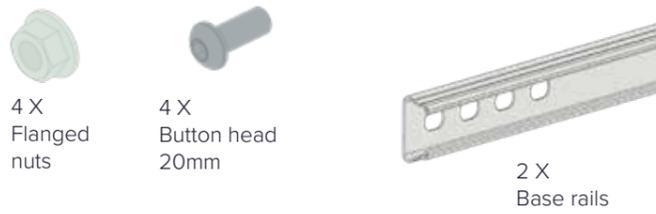
- Drop the door post further into the ground
- Raise the end hoop up
- Cut any excess off the bottom of the door post

Lintel height is recommended to be 1,945mm - 2,000mm above ground level.

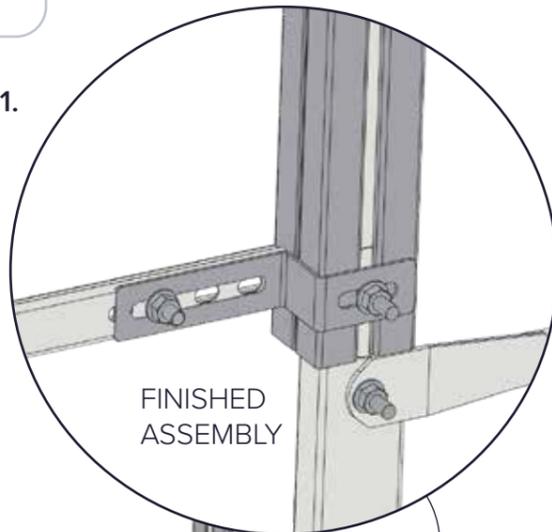
REPEAT FOR EACH DOOR

TOOLS NEEDED: 13MM SPANNER/SOCKET, ALLEN KEY
 PACKS NEEDED: EZB202

PER END

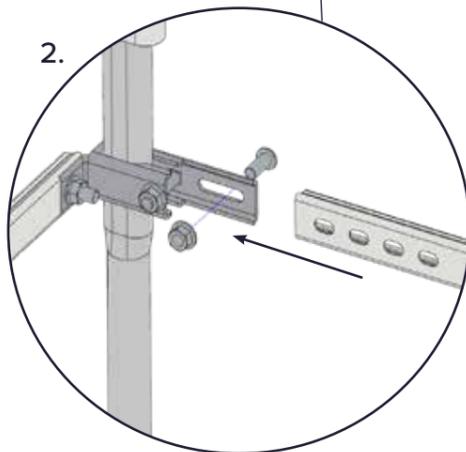


1.



Inside Polytunnel

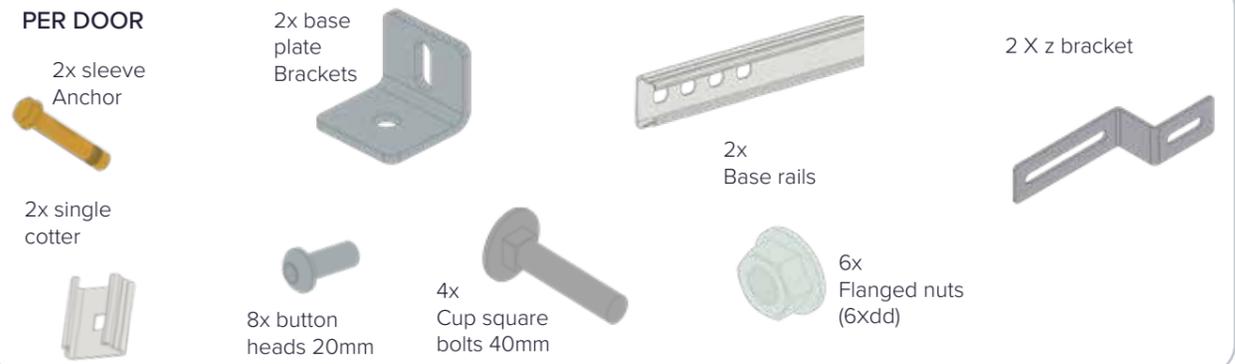
2.



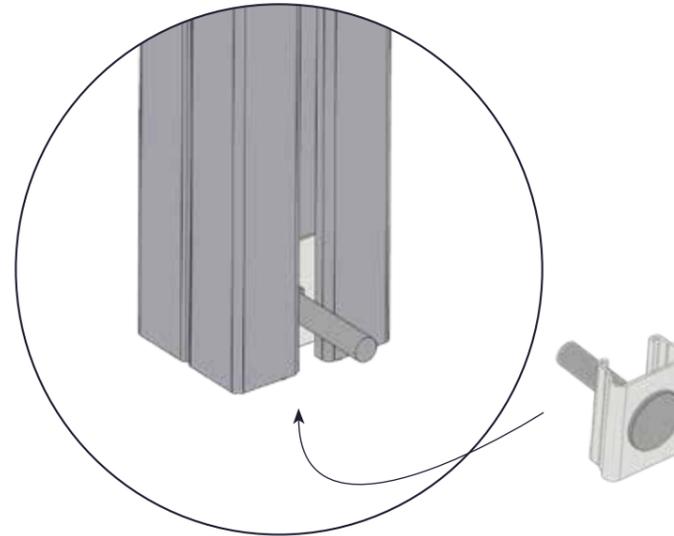
GO TO PAGE 22

TOOLS NEEDED: 10MM MASONRY DRILL BIT, HAMMER DRILL, TEK SCREW BIT, DRILL, STRING LINE, 13MM SPANNER/SOCKET, ALLEN KEY, SPIRIT LEVEL
 PACKS NEEDED: EZB220

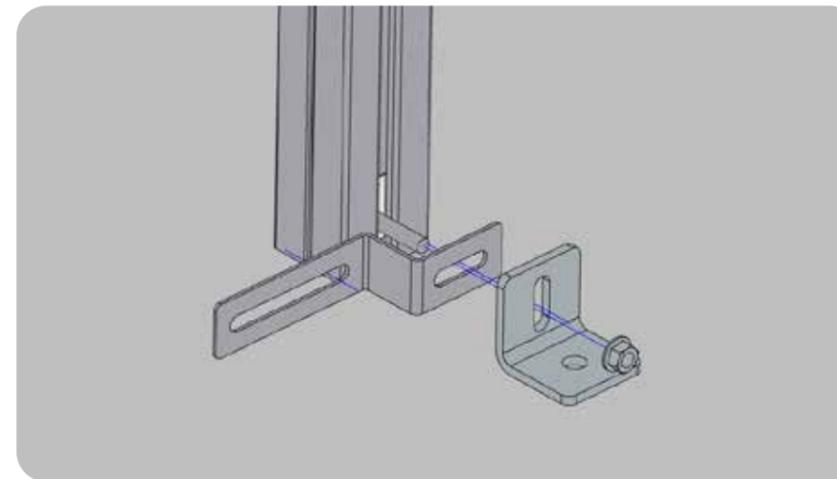
PER DOOR



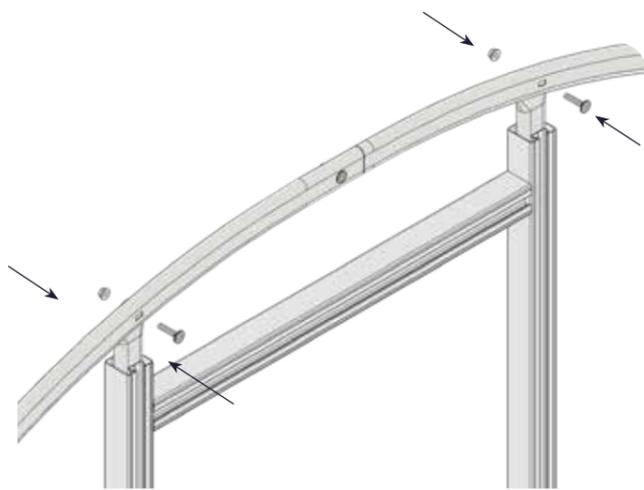
1.



2.



3.

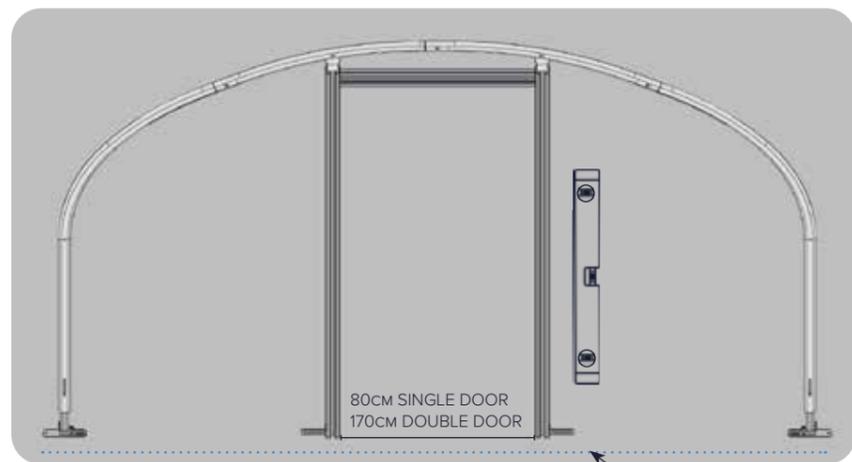


If door posts do not fit under the hoop, either:

- Drop the door post further into the ground
- Raise the end hoop up
- Cut any excess off the bottom of the door post

Lintel height is recommended to be 1,945mm - 2,000mm above ground level.

4.

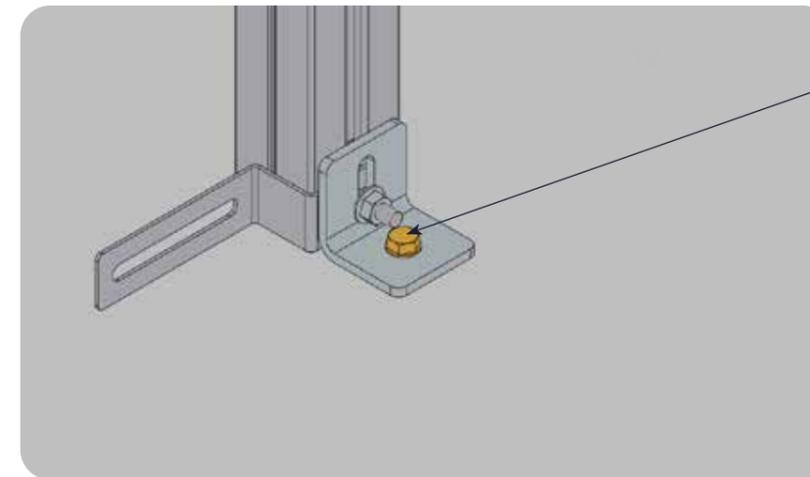
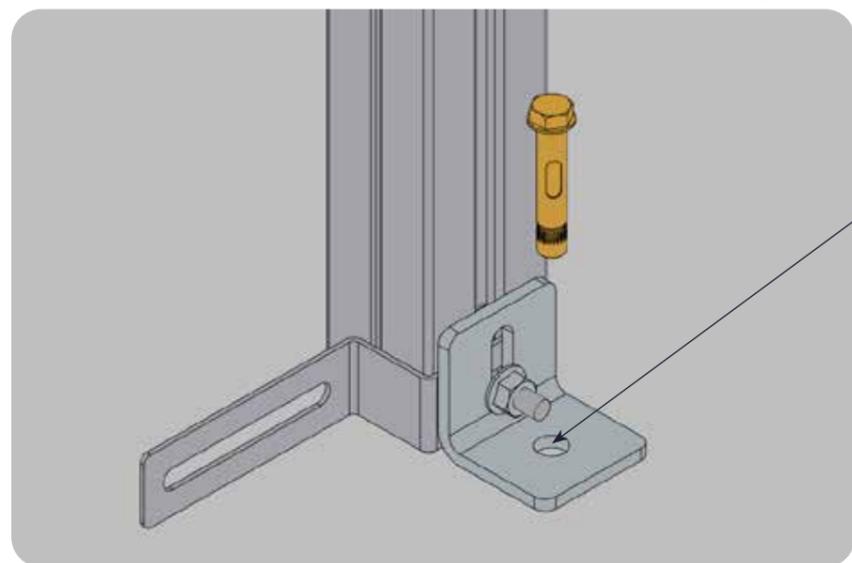


String line

Check door is in line with hoops



5.



6.

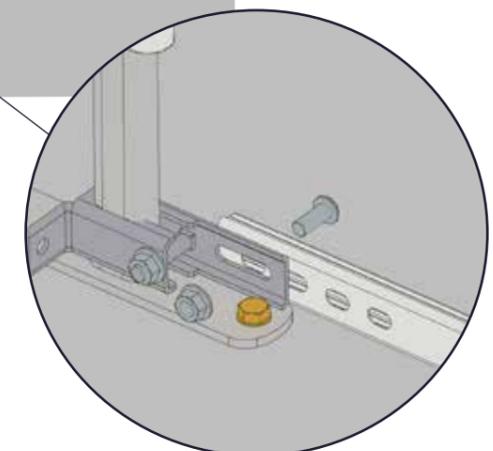
Hammer in sleeve anchor

Tighten with spanner

7.



Inside Polytunnel



REPEAT AT EACH DOOR POST

TOOLS NEEDED: 1 x 13MM SPANNER/SOCKET, 4MM ALLEN KEY, LADDERS
 PACKS NEEDED: EZB220

Note: 2.5m and 3m tunnels are not supplied with V hangers

PER CROP BAR

- 4x Keyhole Clamp
- 7 X Button head bolts 35mm
- 7 X Flanged nuts
- 2x Keyhole Clamp
- Crop bar(s) (Dependent on width supplied as 1 or 2 pieces)

1. [Diagram showing keyhole clamp being attached to crop bar]
2. Bolt together crop bars, if supplied in two peices
3. Open up the keyhole clamps & push over the crop bar
4. Bolt the crop bar to the lower keyhole clamps
 Bolt the support bars to the crop bar & the hoop keyhole clamps

TOOLS NEEDED: 1 x 13MM SPANNER/SOCKET, 4MM ALLEN KEY
 PACKS NEEDED: EZB204

END HOOPS

(PER CORNER)

- 1 X Vent upright 880mm
- 3 X Button head 20mm
- 2 X Brackets
- 1x Keyhole Clamp
- 3 X Flanged nuts

1. Add brackets to bottom base rail
2. 20mm [Diagram showing side rail attachment]
3. 20mm [Diagram showing vent upright attachment]

90cm from the base rail

Gable end

Base rail

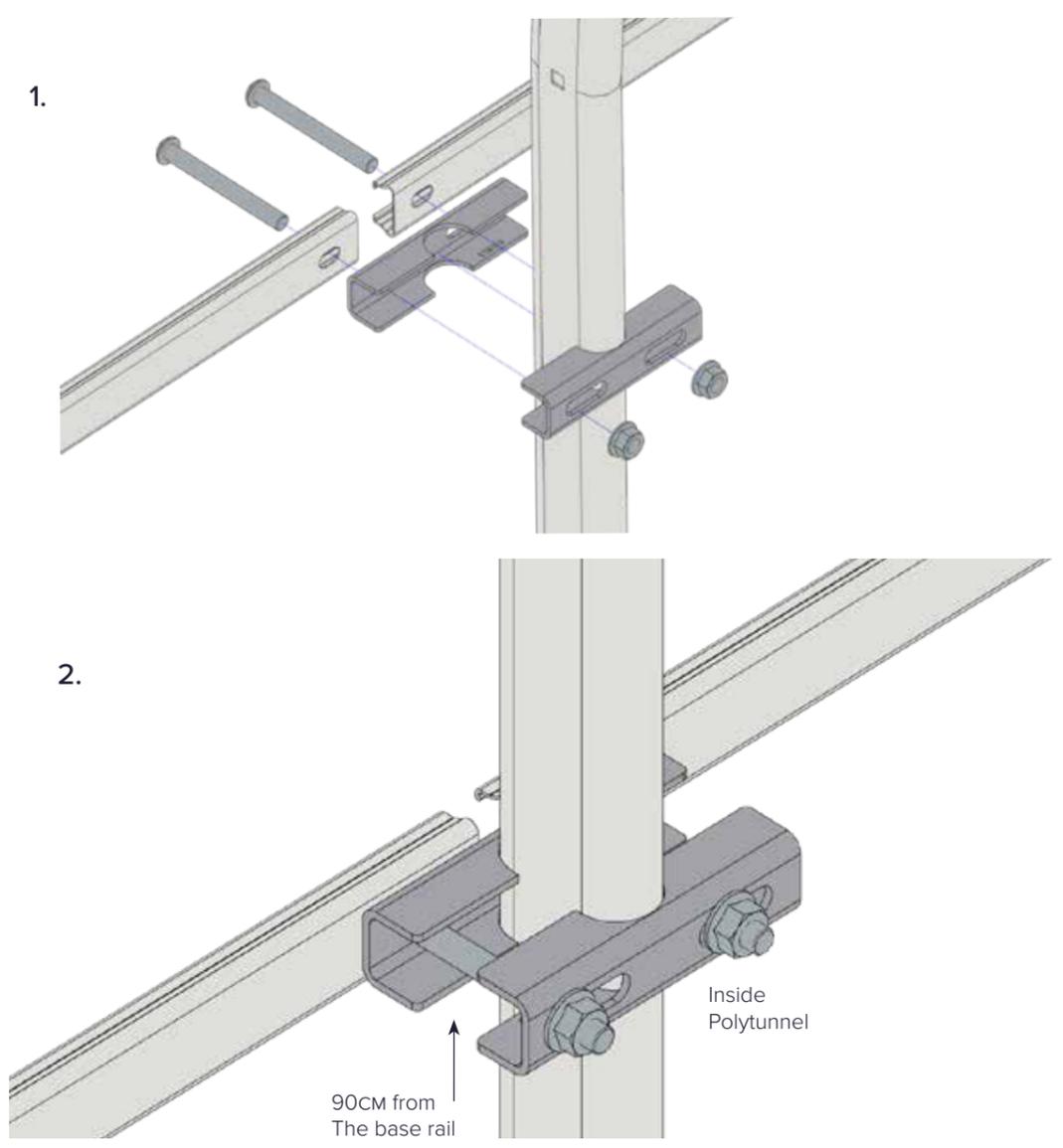
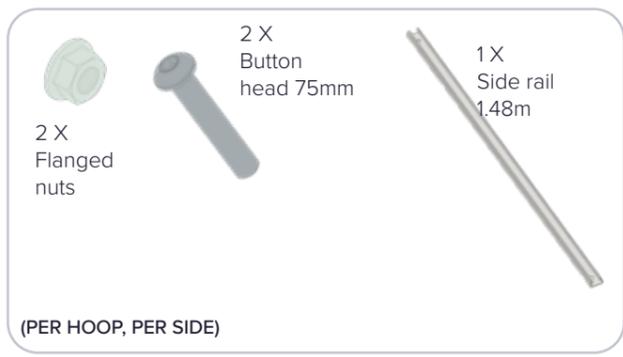
Side rail

Inside Polytunnel

REPEAT FOR EACH VENTED CORNER

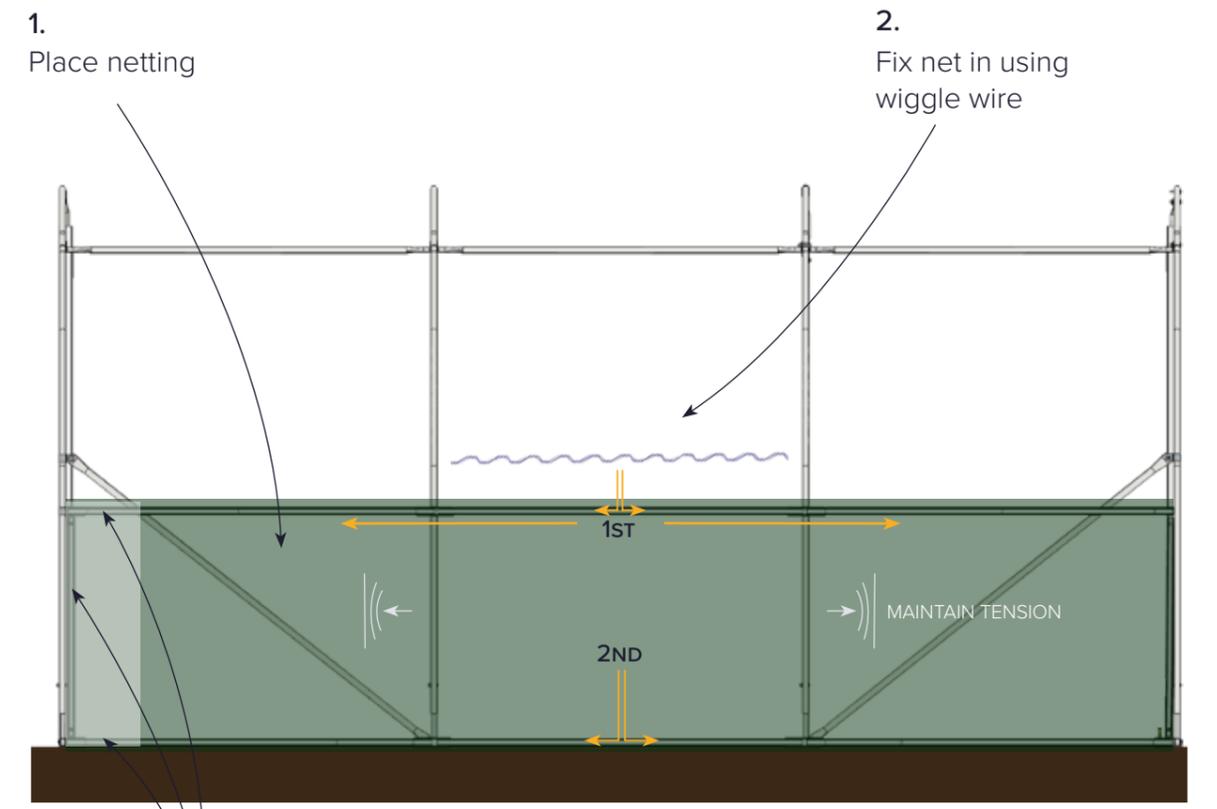
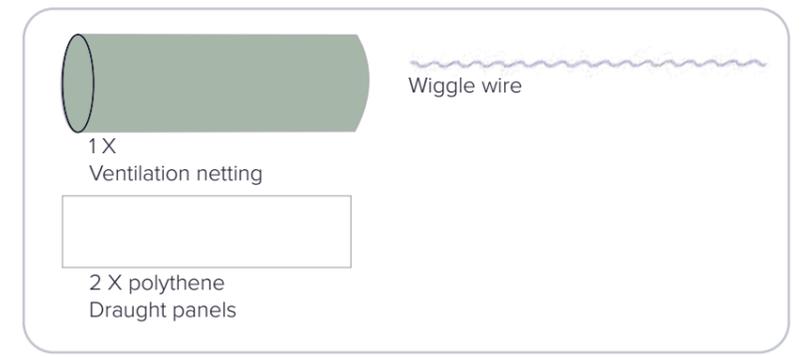
PACKS NEEDED: EZB205, EZB204

INNER HOOPS



REPEAT FOR ALL INTERMEDIATE HOOPS

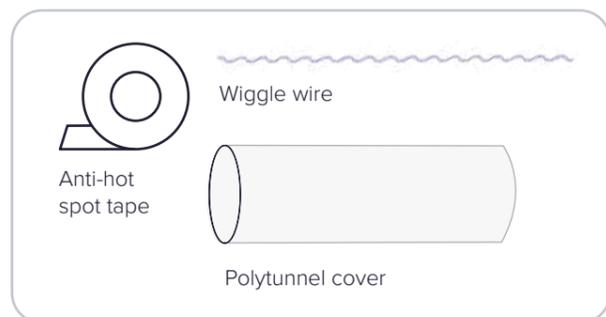
TOOLS NEEDED: WIRE CUTTERS, SCISSORS



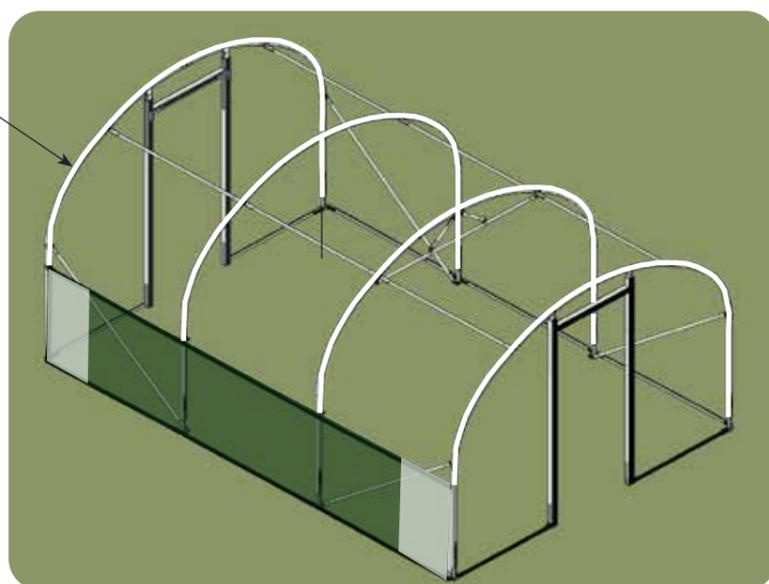
- 3. Use wiggle wire To fix draught Exclusion panels
Repeat at each end
- 4. Cover the rest of your polytunnel at this point.
Installation of side ventilation resumes on page 30.

Note
Wiggle wire can be removed & re-attached if you need to redo any Sections

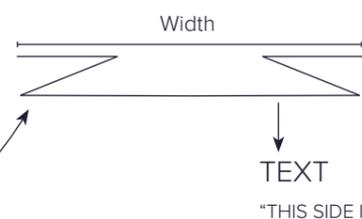
TOOLS NEEDED: STANLEY KNIFE OR SCISSORS (PREFERRED), WIRE CUTTERS, LADDER, 13MM SPANNER/SOCKET, 4MM ALLEN KEY
PACKS NEEDED: EZB204, EZB205



1. Anti-hot Spot tape
 Cover hoops as well as any sharp edges



2. Unroll or unfold your polythene, check it's the right way round

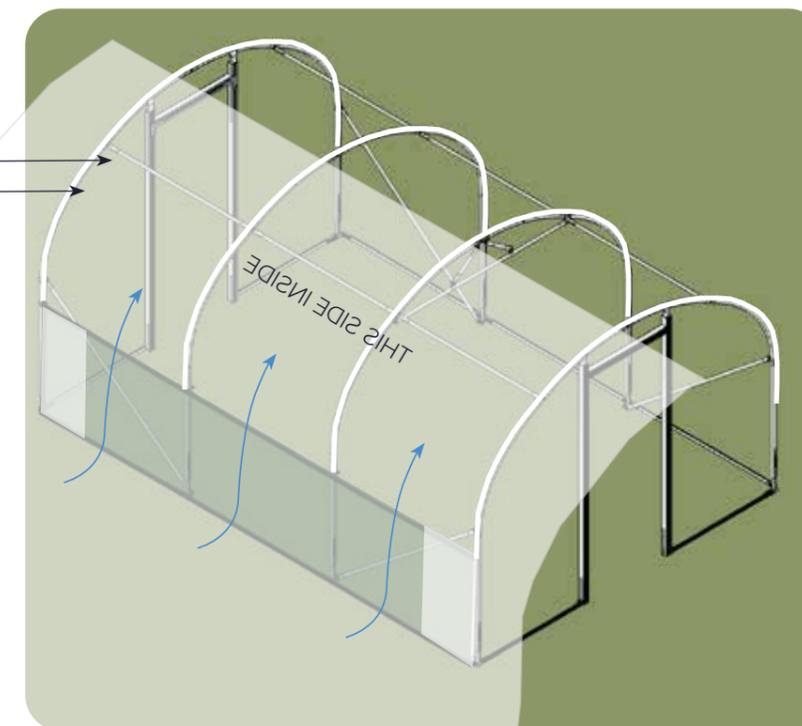


You must be able to read this from inside the polytunnel

Polythene is Folded like this Across the width



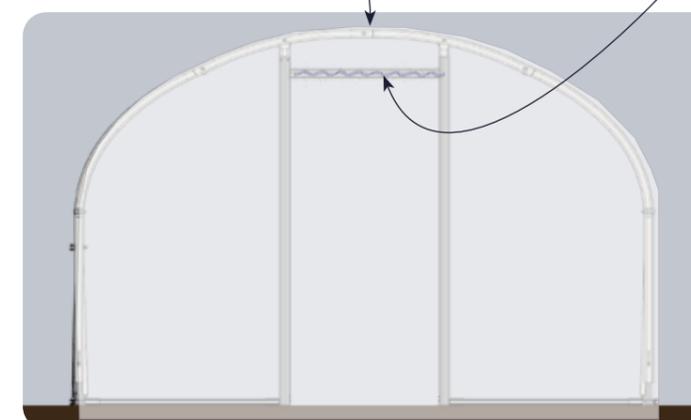
Note
 Do not attempt if Wind speed Exceeds 15MPH!
 Wind direction should push the Cover towards the Polytunnel



3. Pull polythene over polytunnel

4. Find a seam in the polythene, ensure this runs in line with the length of the polytunnel

5. Wiggle wire the polythene into the door lintels, pull the polythene tight at second end

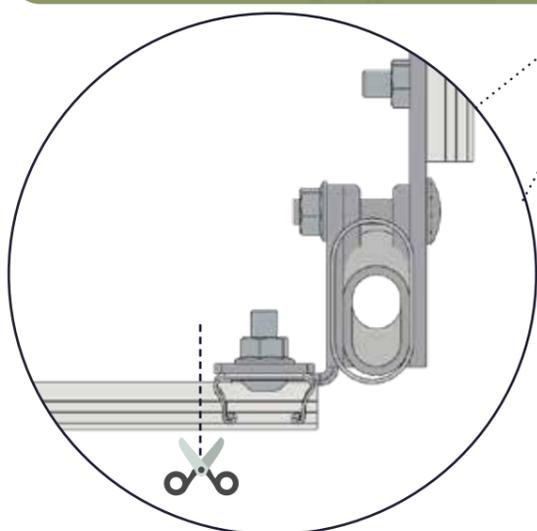
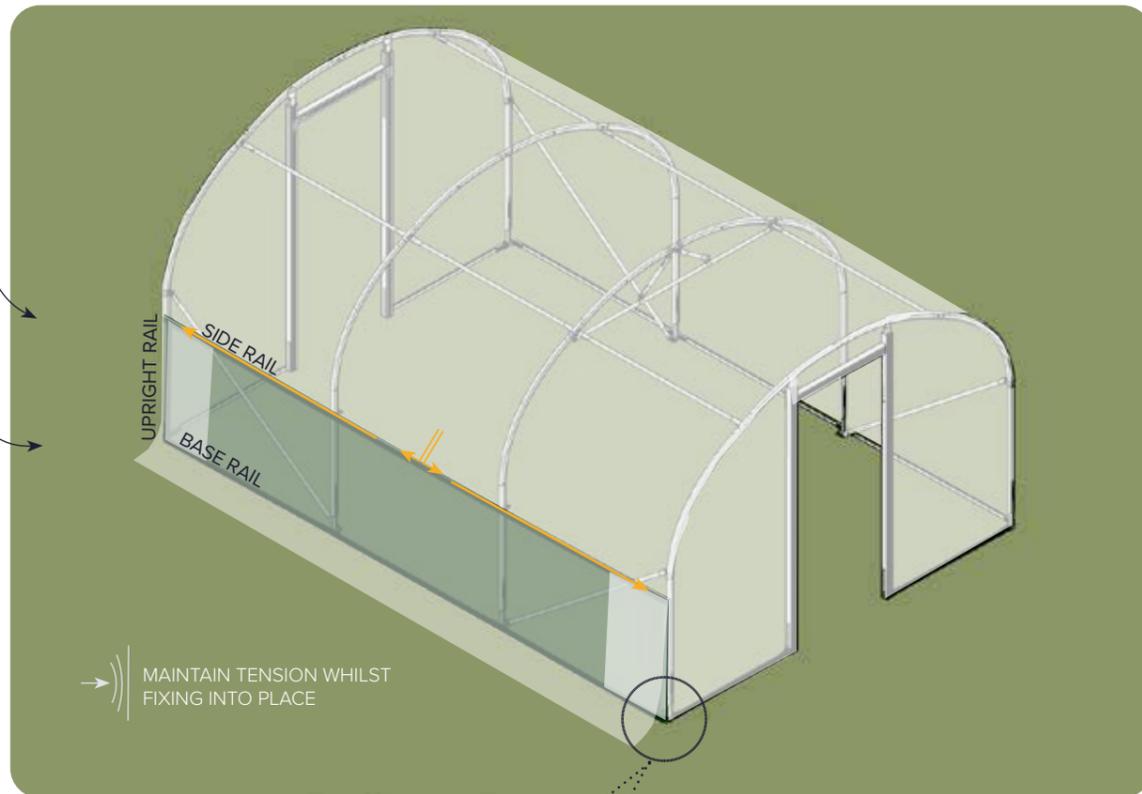


Note
 Pull the cover as tight as possible as you fix with wiggle wire

6. Use wiggle wire to fix the polythene into base rail.

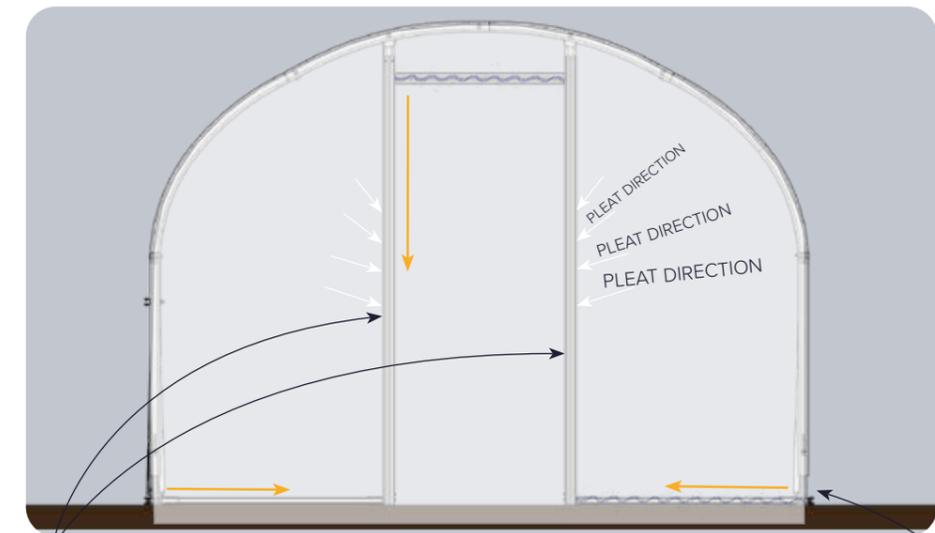
If side ventilation installed, fix into side rail and Upright ventilation rail (not base rail)

Note
If you have side ventilation, do not trim off the excess side cover & ensure when covering that there is enough polythene to form the side curtain.



7. Cut polythene at corners

If side ventilation fitted:
You will need to cut from the corner up to the side rail on the side of the polytunnel.

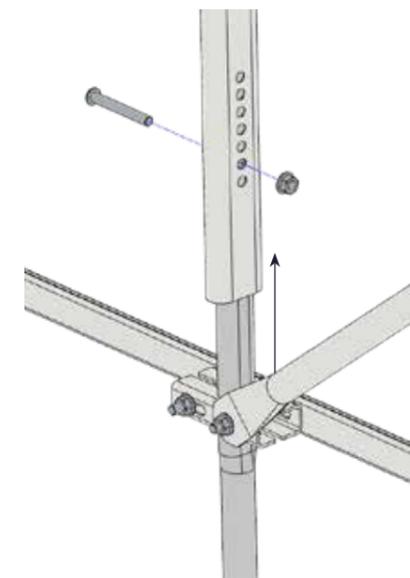


8. Use wiggle wire to fix the polythene into the door frame.

Pull the polythene across & down as you fix

Add an additional layer of wiggle wire to the door frames for extra security

9. Use wiggle wire to fix the polythene into the gable end base rails



10. Lift the inner hoops one at a time to tension the cover.

If side ventilation installed:

Loosen the side rail bracket one at a time

Lift the hoop to tension

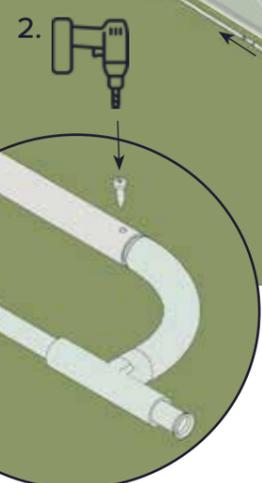
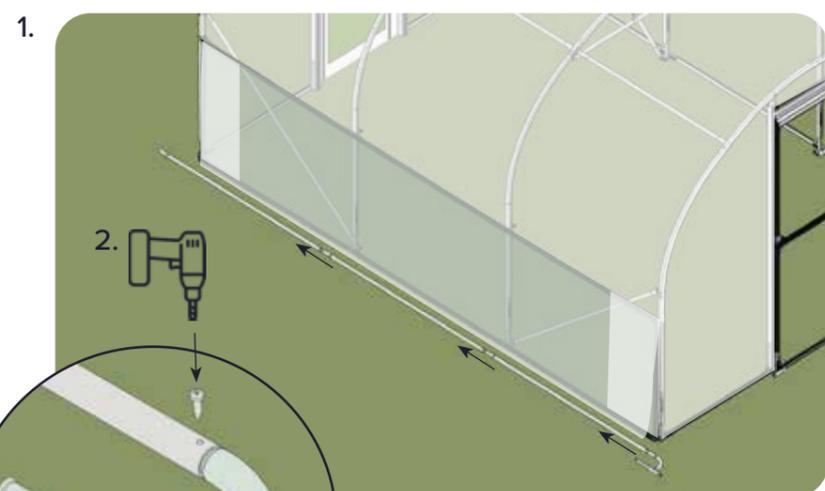
Tighten side rail bracket

Repeat on each hoop

Trim any excess polythene & wiggle wire if no side vent fitted

TOOLS NEEDED: DRILL WITH TEK SCREW BIT, SCISSORS

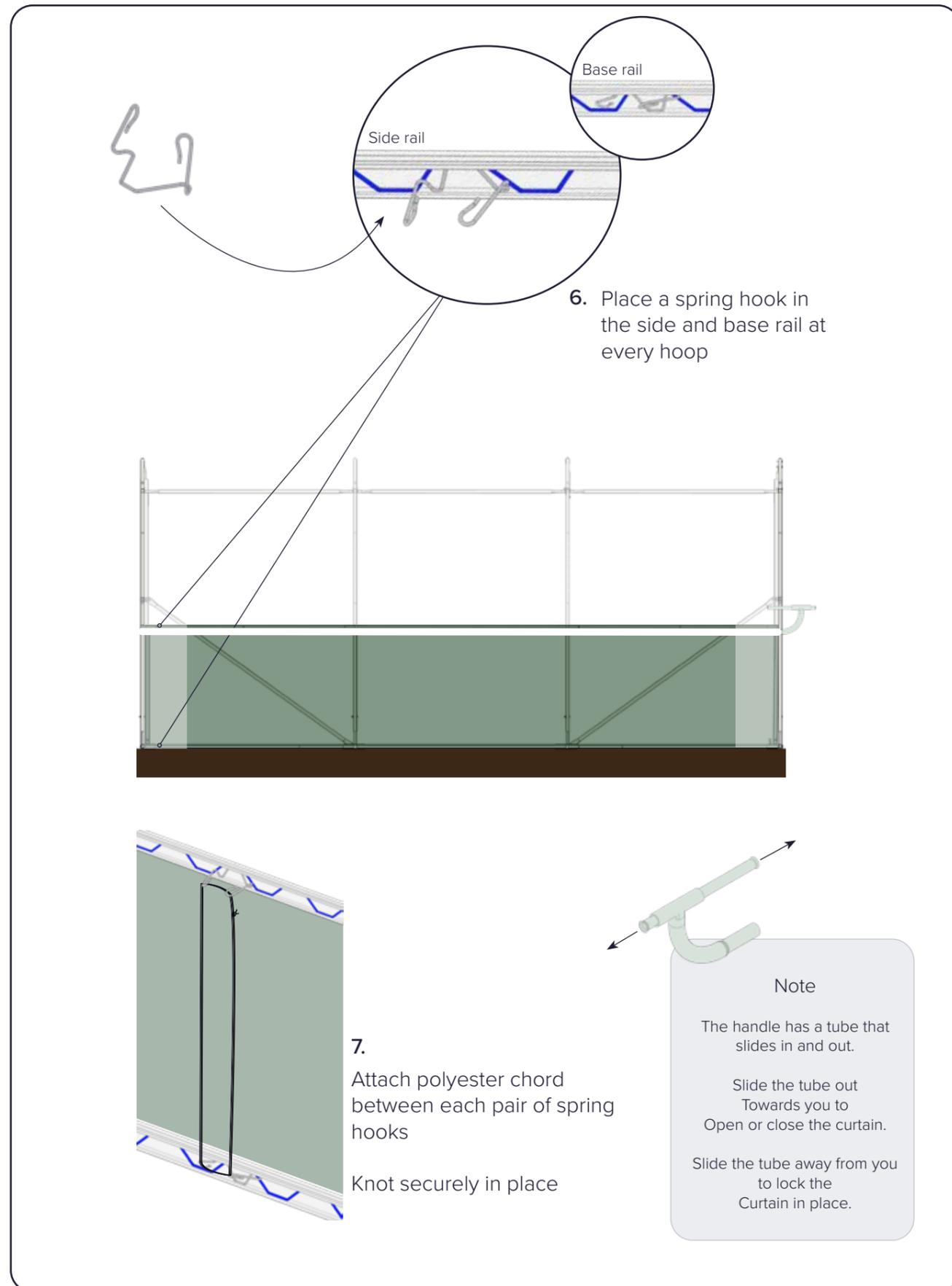
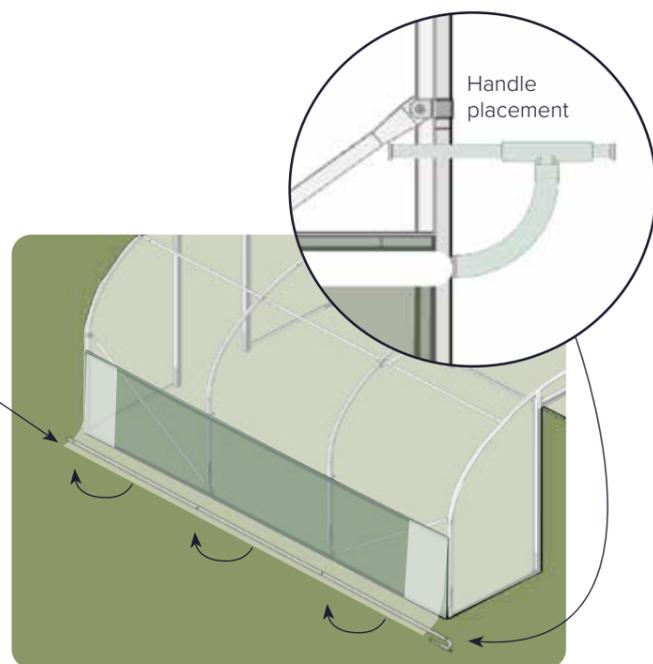
Resume from this point once you have covered your polytunnel



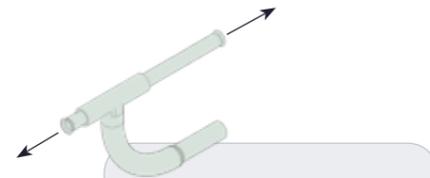
3. You need at least 100MM of excess polythene to attach the curtain tube, trim if excessively long or uneven.

4. Clip the assembled tube to the bottom of the polythene curtain using the plastic clips

5. You should now be able to wind the curtain up and down



Knot securely in place



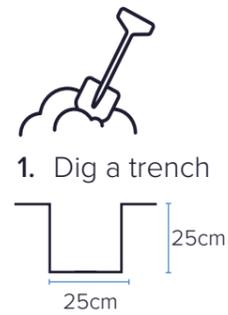
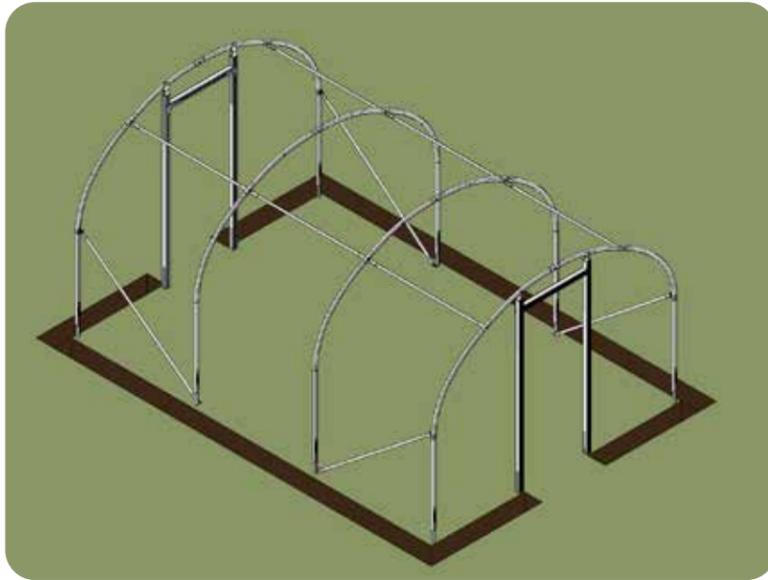
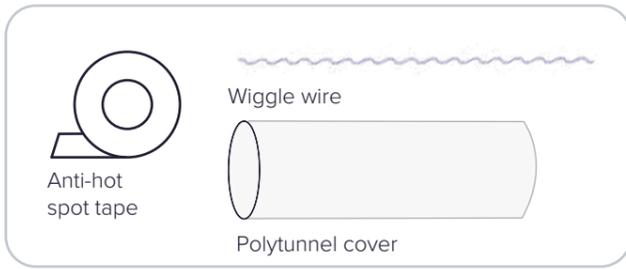
Note

The handle has a tube that slides in and out.

Slide the tube out Towards you to Open or close the curtain.

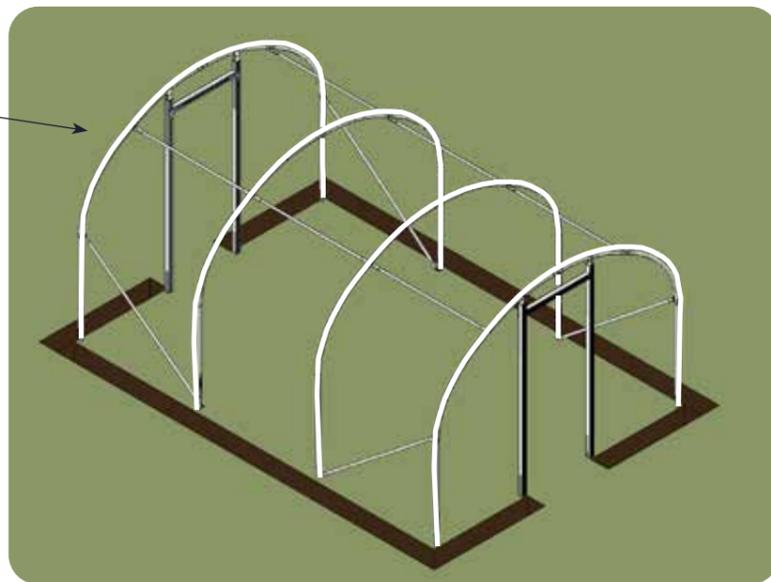
Slide the tube away from you to lock the Curtain in place.

TOOLS NEEDED: SPADE, FORK, STANLEY KNIFE OR SCISSORS, WIRE CUTTERS, TAPE MEASURE, 4MM ALLEN KEY, 13MM SPANNER/SOCKET

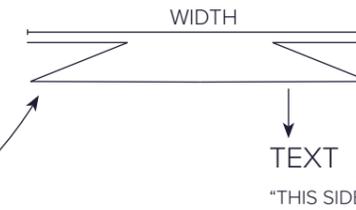


2. Anti-hot Spot tape

Place on hoops as well as any sharp edges



3. Unroll your polythene, check it's the right way round



You must be able to read this from inside the polytunnel

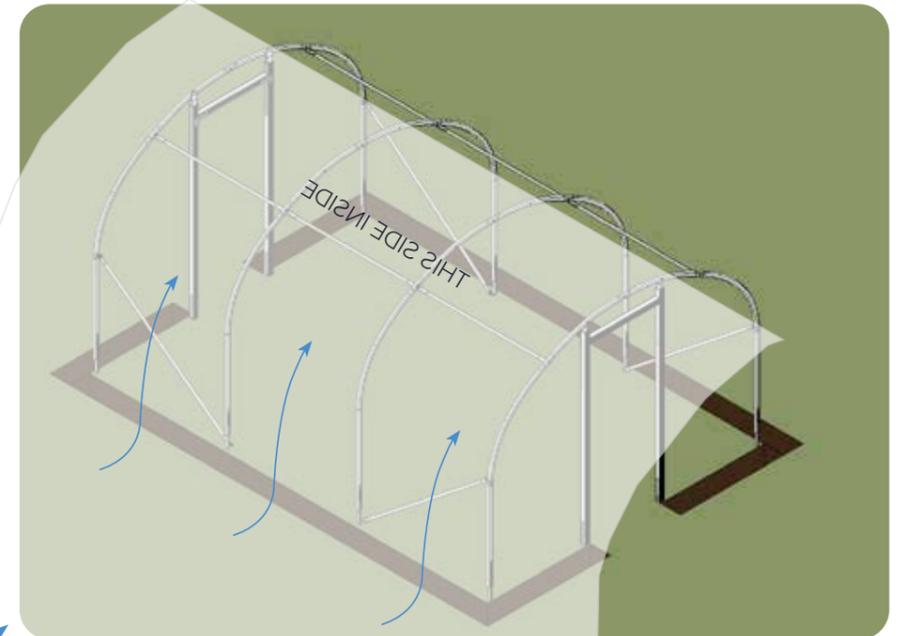
Polythene is folded like this



Note

Do not attempt if wind speed exceeds 15MPH!

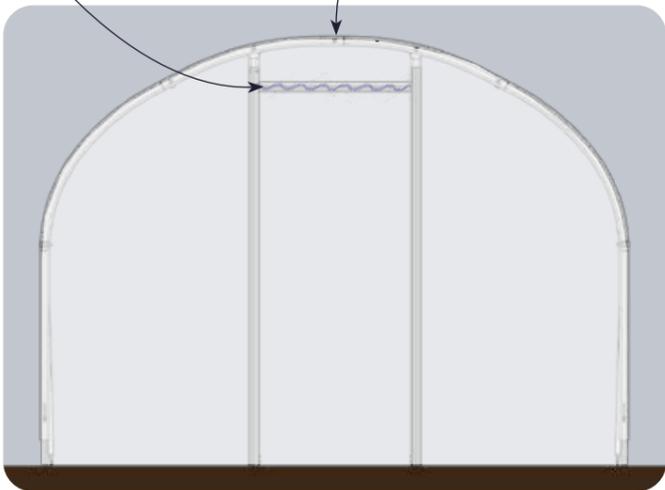
Wind direction should stick the cover to the polytunnel



4. Pull polythene over polytunnel

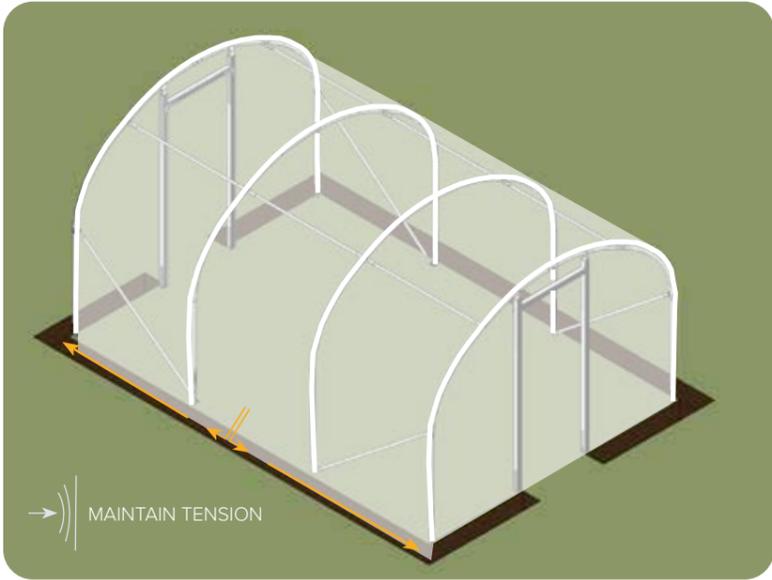
6. Wiggle wire the Polythene into the door lintels, pull the polythene tight at Second end

5. Find seam in polythene, ensure this runs in line with the length of the polytunnel

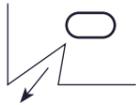
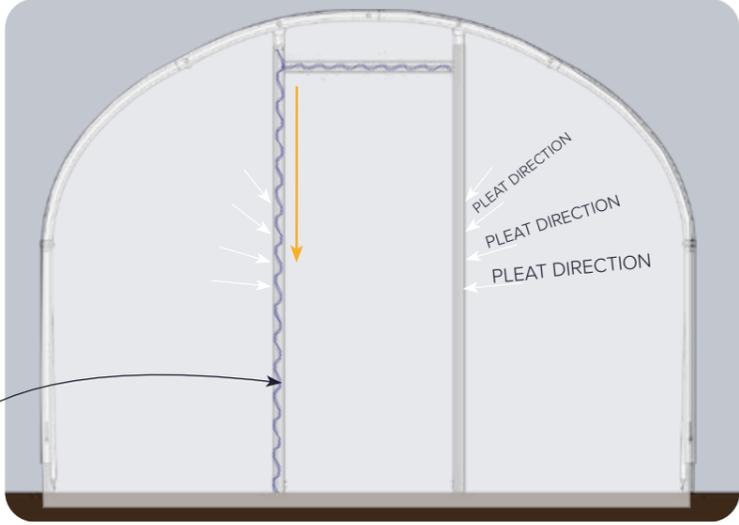


7. Pierce trenched polythene with a fork for drainage

8. Pull polythene tight and backfill the trench along the length of the tunnel




9. Cut polythene at corners

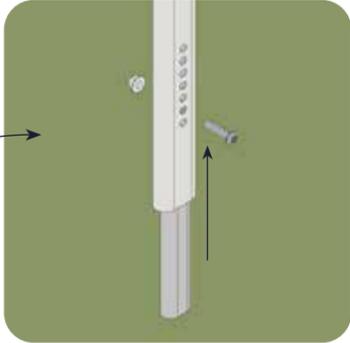
10. Use wiggle wire to fix the polythene into the door frame.
Pull the polythene across & down as you fix

11. Pull polythene tight and backfill the trench along the gable ends of the tunnel



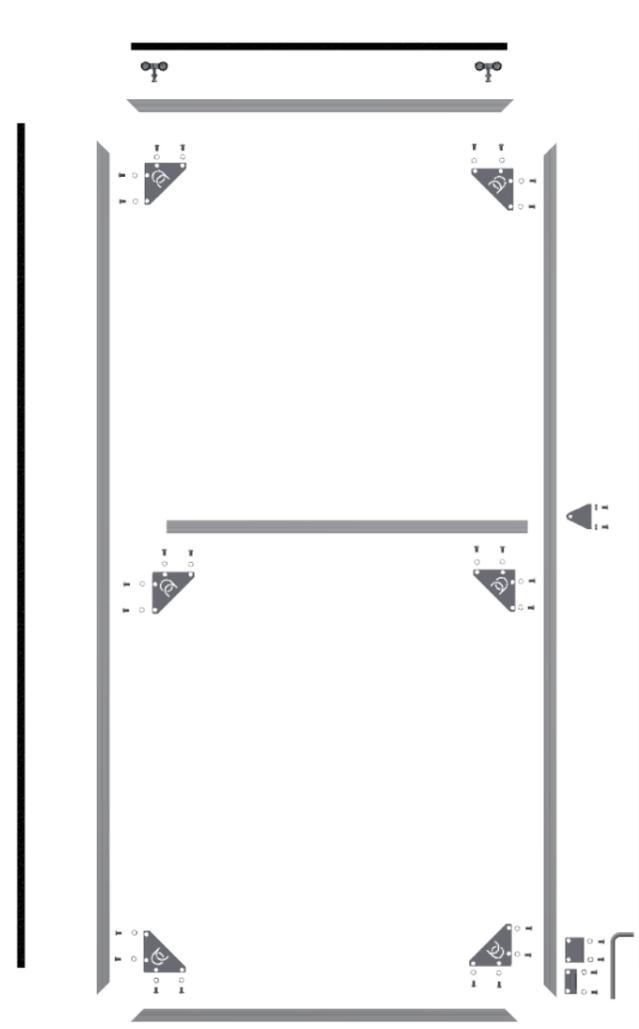
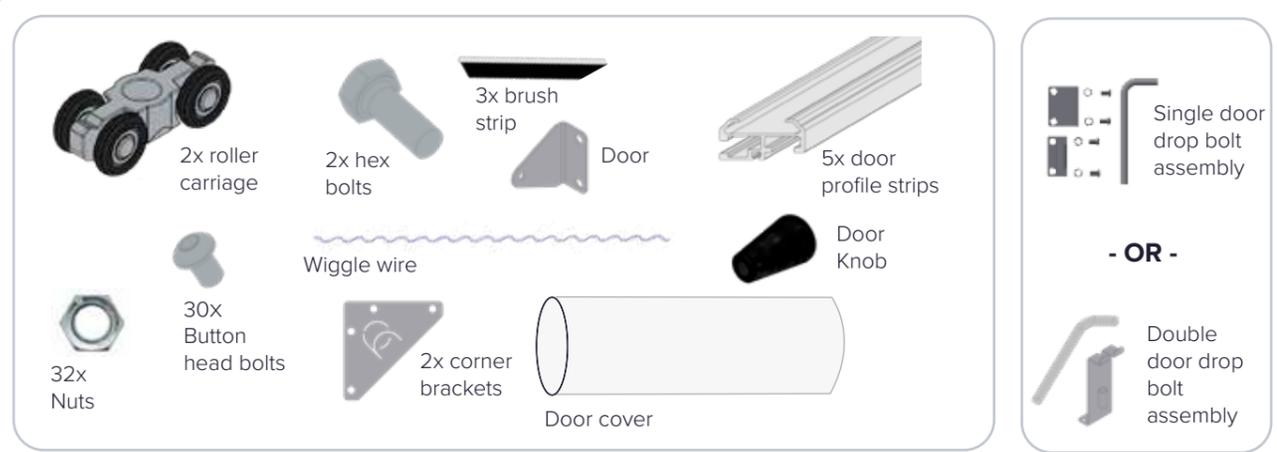

12. Add an additional layer of wiggle wire to the door frames for extra security

13. Lift the internal hoops one at a time to tension the cover



Trim any excess polythene & wiggle wire

TOOLS NEEDED: 1 x 13MM SPANNER/SOCKET, 4MM ALLEN KEY, SPIRIT LEVEL
 PACKS NEEDED: EZB207, EZB217

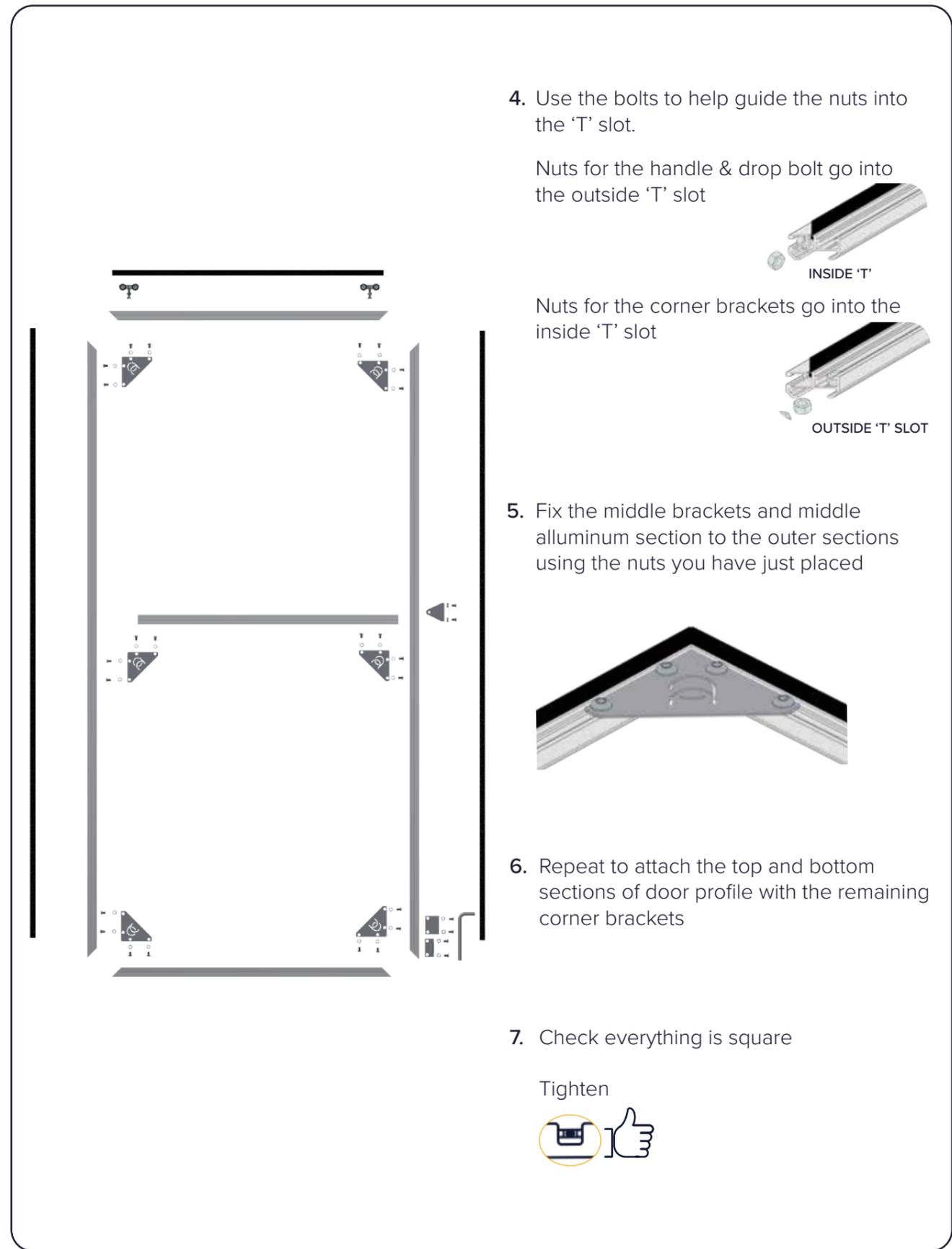


1. Lay out the parts
 2. Insert brush strip
 3. Roller carriages
- Bolt Flush
 Approx. 3cm
 Lock into Place

⚠ SINGLE DOOR ONLY
 Place drop bolt on opposite side to the door's final sliding direction.
 For example for a door sliding left, install drop bolt on right.

⚠ DOUBLE DOOR ONLY
 Slide 2 nuts into the bottom of the door frame for the drop bolt assembly.

← Example: door sliding left, drop bolt on right



4. Use the bolts to help guide the nuts into the 'T' slot.
 Nuts for the handle & drop bolt go into the outside 'T' slot



5. Fix the middle brackets and middle aluminum section to the outer sections using the nuts you have just placed



6. Repeat to attach the top and bottom sections of door profile with the remaining corner brackets

7. Check everything is square

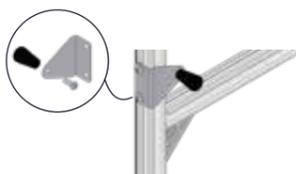


TOOLS NEEDED: 4MM ALLEN KEY, WIRE CUTTERS

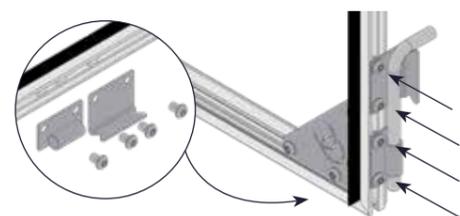
Note
 You also have a net panel,
 you can use this as an
 alternative to polythene for
 Increased ventilation

1. Use wiggle wire to fix the polythene into the door frame.

2. Attach the door handle



3. Attach the drop bolts

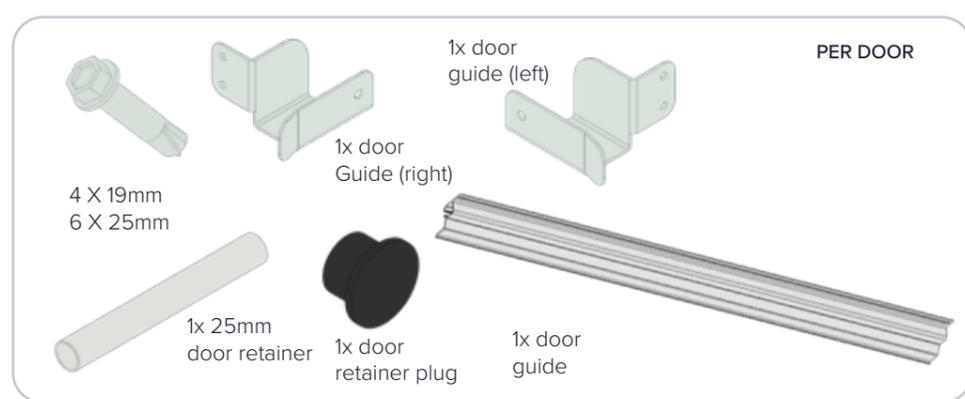


Single door only

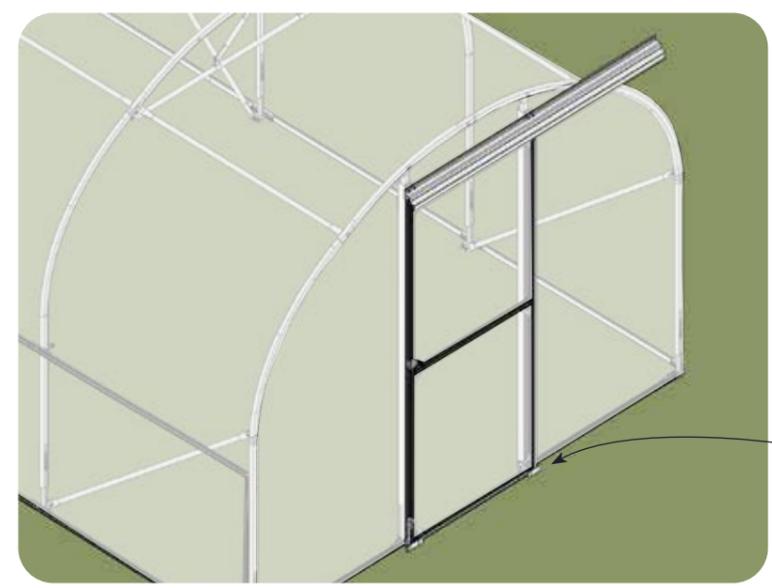
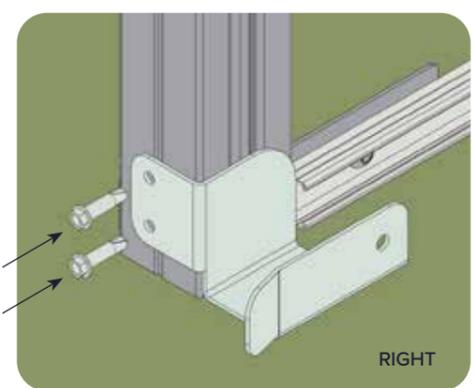
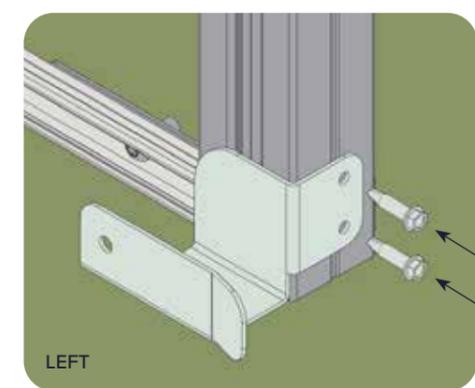


Trim any excess polythene & wiggle wire

TOOLS NEEDED: DRILL WITH TEK SCREW BIT, SPIRIT LEVEL, HAMMER



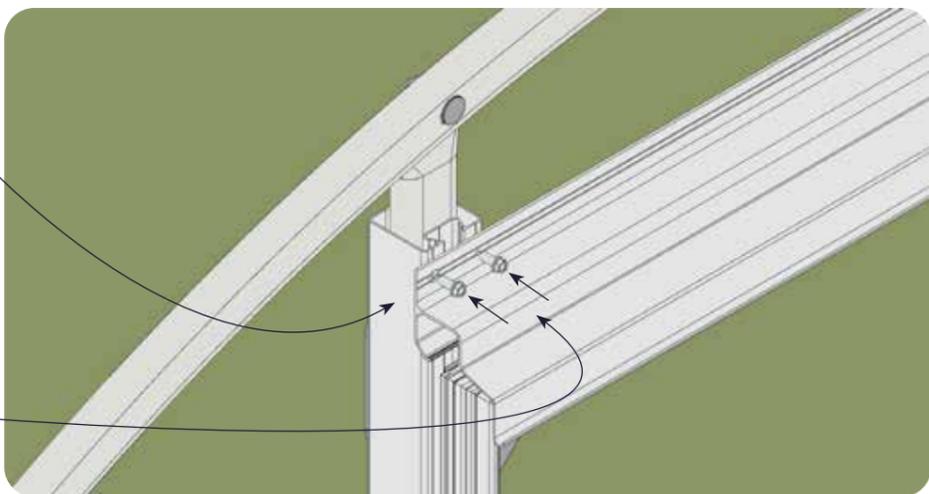
1.



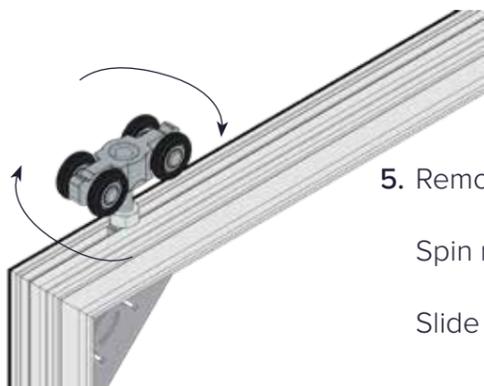
2. Slide door track onto door carriages of finished door assembly.

Place onto door guides

3. 



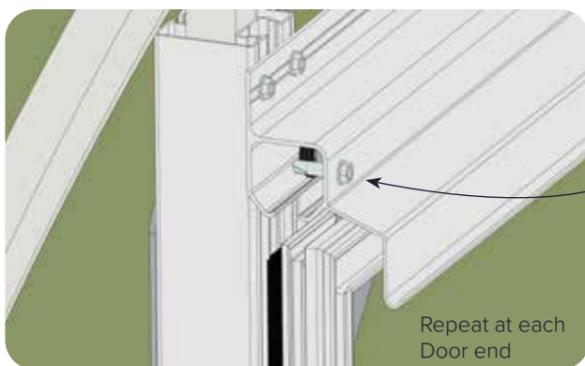
4.  19MM



5. Remove door from track

Spin roller carriage clockwise 4 times

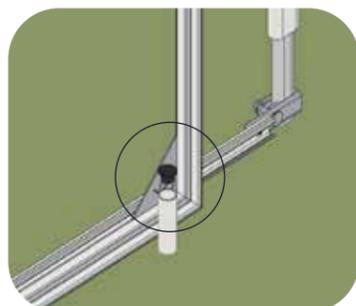
Slide door back into door track



6.  25MM

7. Hammer in door retainer & plastic plug

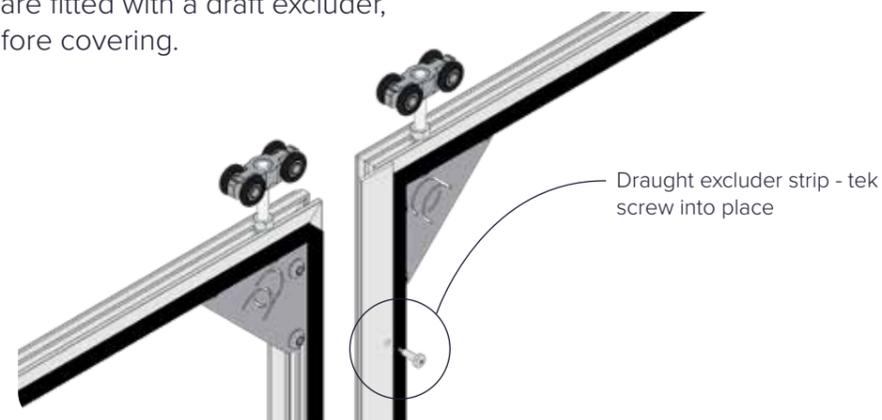
Repeat at each Door end



Double door build

To build double doors, follow the instructions for our single door, just repeat the process for your second door.

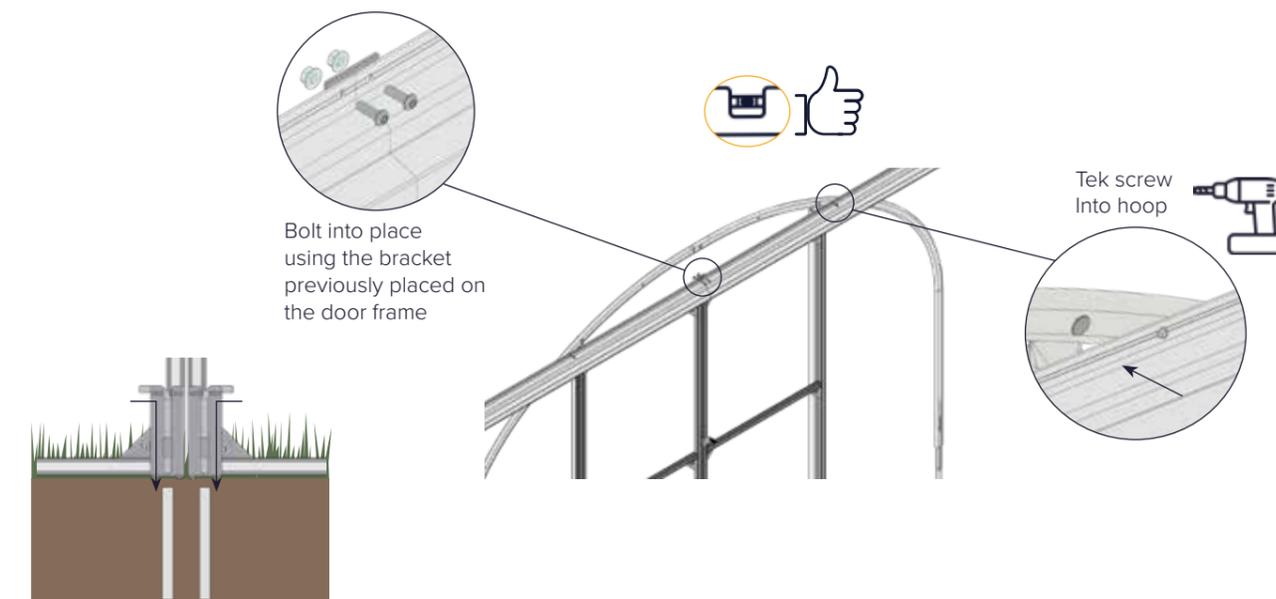
Double doors are fitted with a draught excluder, fix this strip before covering.



Double door fitting

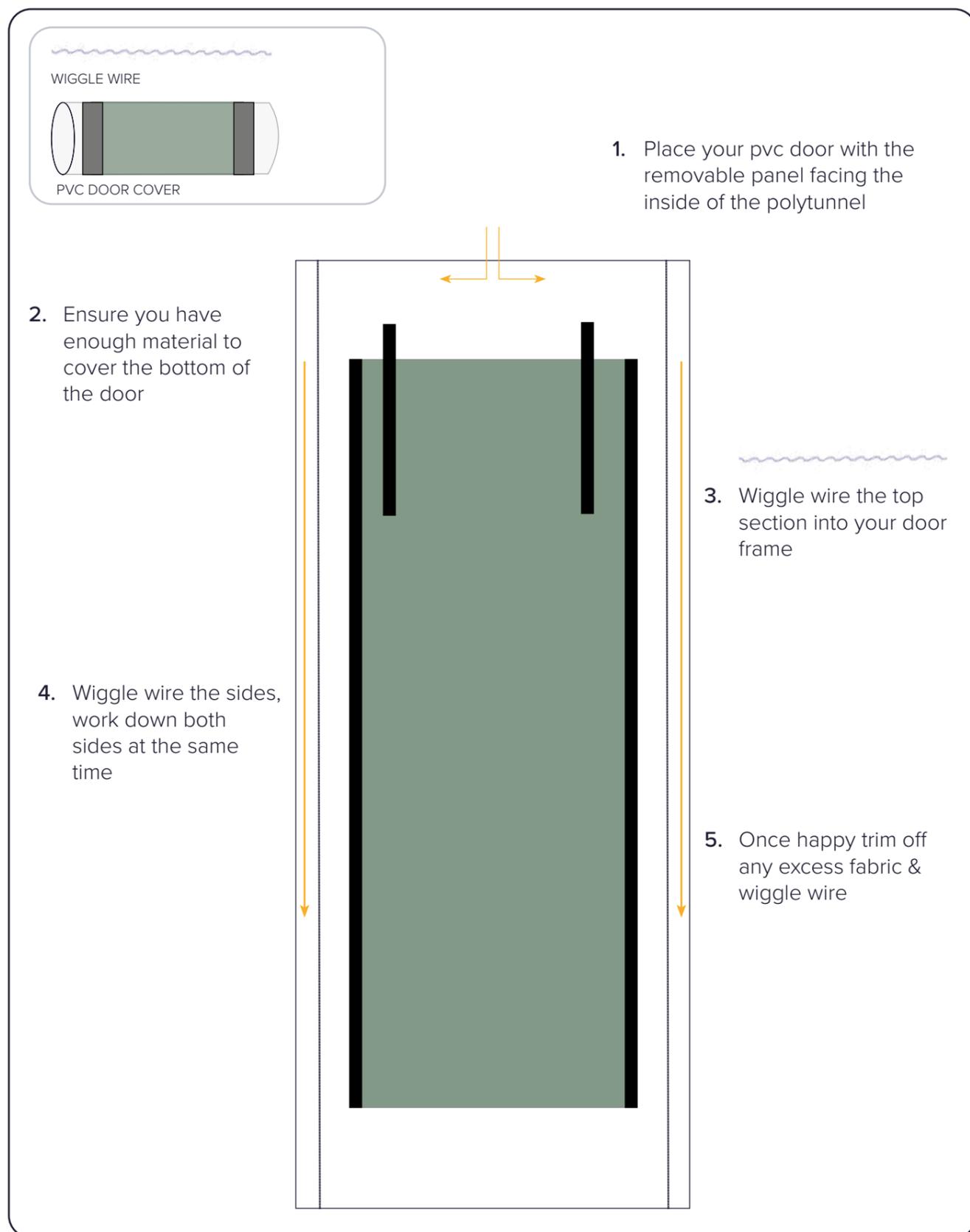
The fitting process is also very similar, follow the instructions for the single sliding door, but use the double door fixing points highlighted below.

Repeat the process for your second door.



Don't forget to hammer in your drop bolt locating tubes once your doors are fitted.

TOOLS NEEDED: WIRE CUTTERS, SHARP KNIFE OR SCISSORS, LADDER



We constantly strive to improve our products and services.

We welcome any feedback about our brand new easy build.

Delivery

Design

Build quality

Instructions

Support & customer services

Please email:

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Prefer to watch?

Follow along with our video guide for visual instructions to make building your EasyBuild polytunnel even easier.



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Built your EasyBuild?
We'd love to see it

