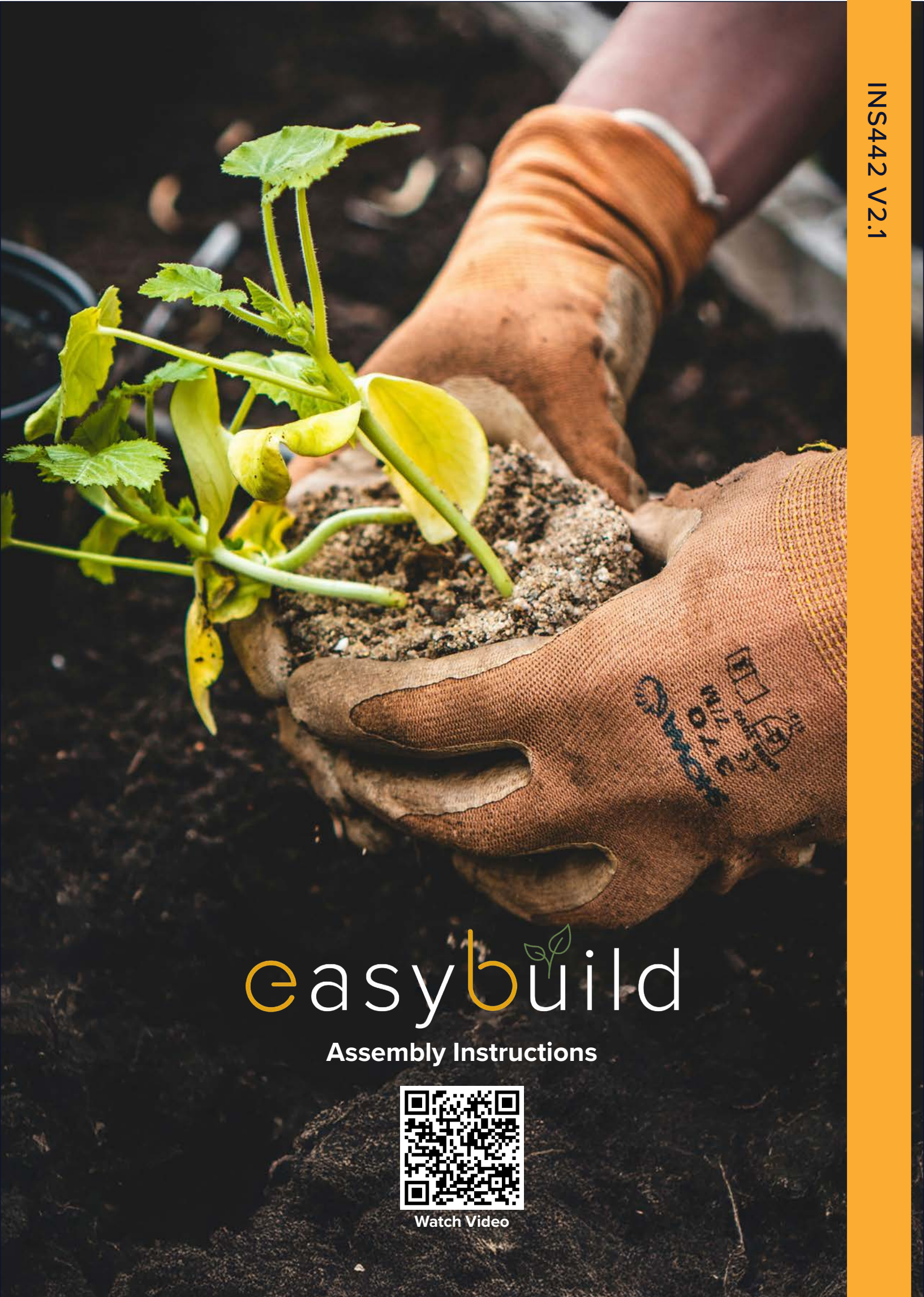




easybuild

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

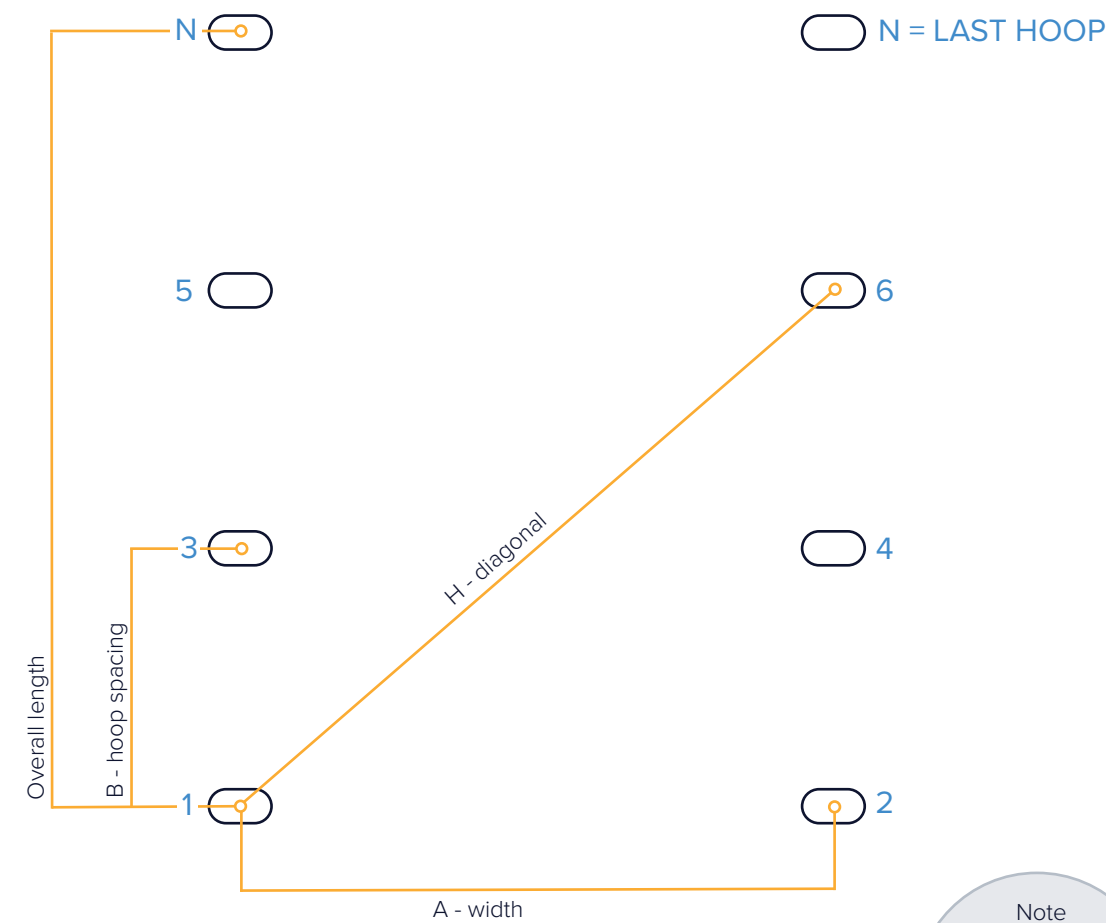
DOOR FITTING 39

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)



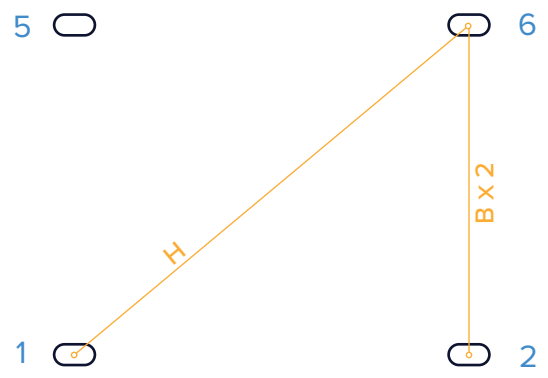
TUNNEL WIDTH	A WIDTH CENTRE TO CENTRE	B HOOP SPACING CENTRE TO CENTRE	H DIAGONAL CENTRE TO CENTRE
2.5M	2550MM	1500MM	3937MM
3M	3050MM	1500MM	4278MM
3.5M	3550MM	1500MM	4648MM
4M	4050MM	1500MM	5040MM
4.5M	4550MM	1500MM	5450MM

Note
All measurements
are taken from the
centre of the tube

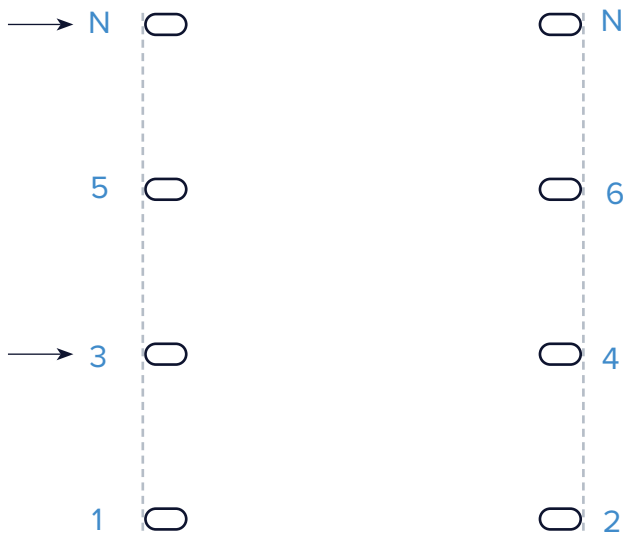
METHOD:
You may wish to mark out your foundation placement with markers or stakes before positioning the actual foundations.



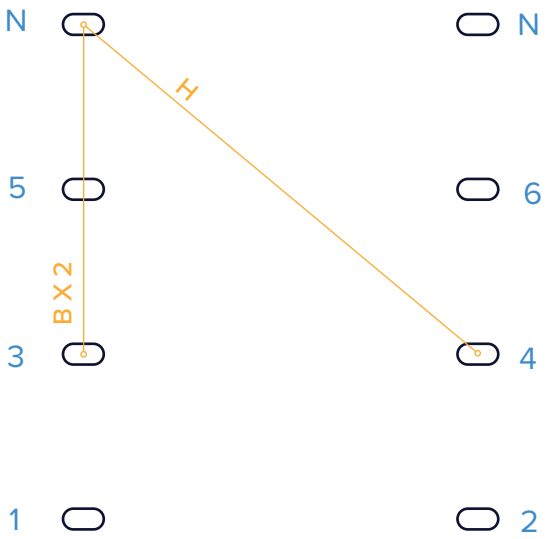
- 1. Position foundations 1 & 2
Check **A** is correct
Check alignment of the two hoops



- 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)

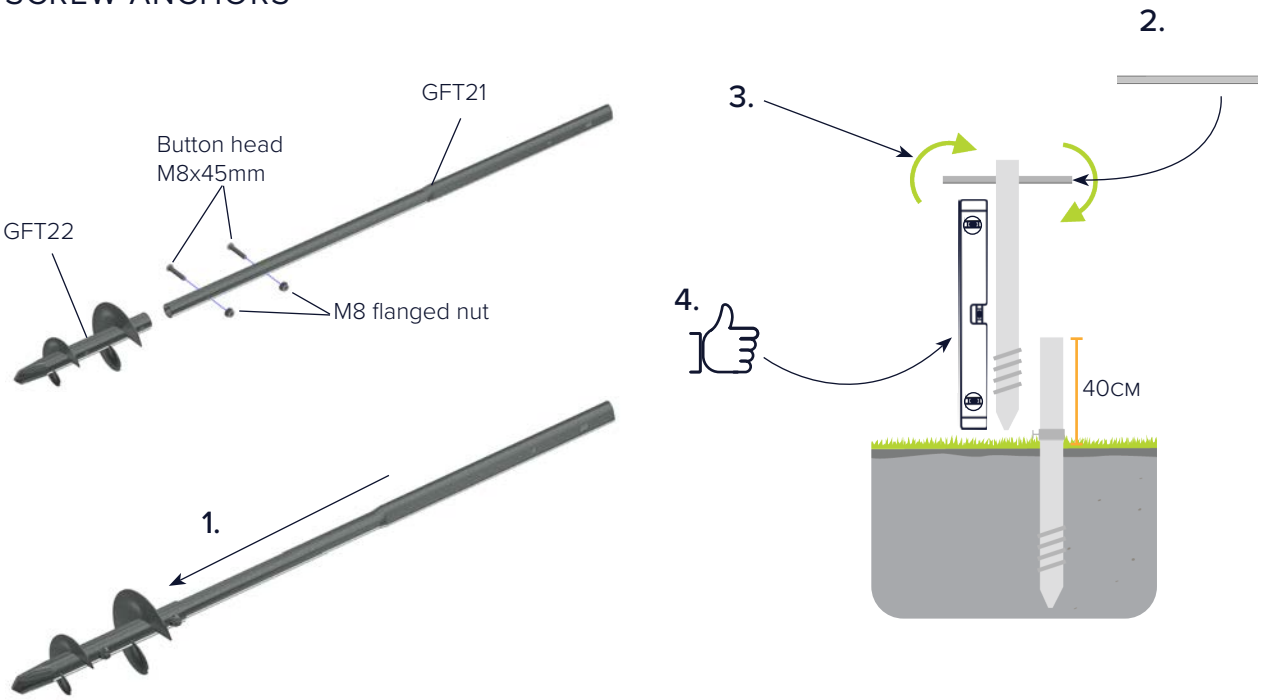


- 4. Check alignment of the far end of your polytunnel:
Check **H** is correct
Check **B** is correct
Repeat on each end foundation

TOOLS NEEDED:
SCREW ANCHORS - SPIRIT LEVEL, TAPE MEASURE, SCREW ANCHOR INSERTION BAR
BASE PLATES - DRILL, 10MM MASONARY DRILL BIT, HAMMER & 1 X 13MM SPANNER/SOCKET
CONCRETE GROUND TUBES - SPADE, CONCRETE/POSTCRETE, SPIRIT LEVEL & TAPE MEASURE

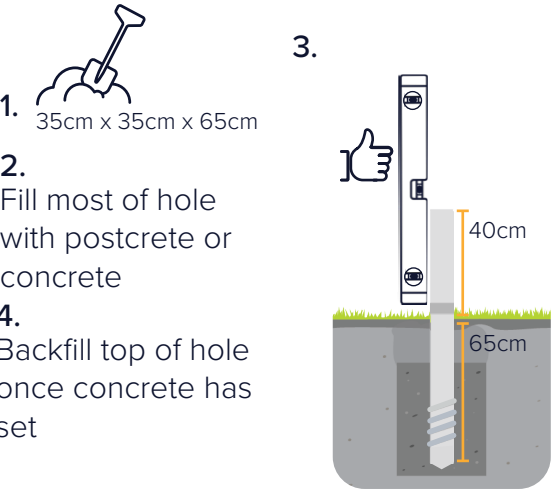
Set your foundations using the method below.

SCREW ANCHORS

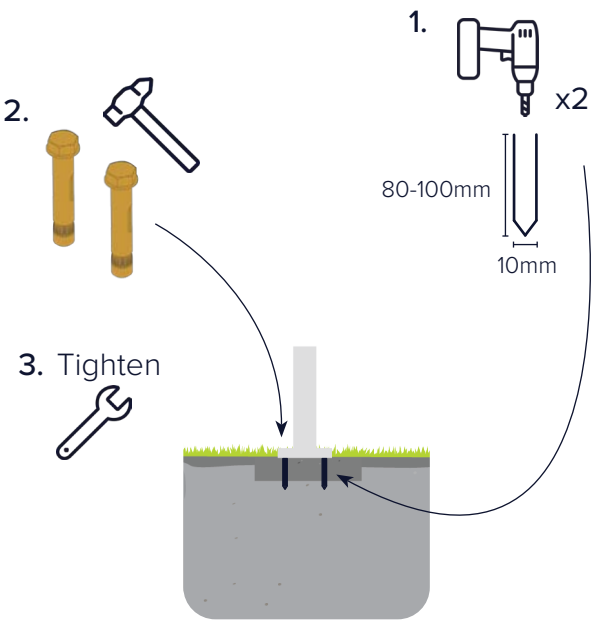


CONCRETE FOUNDATION

Screw anchors can be concreted into the ground

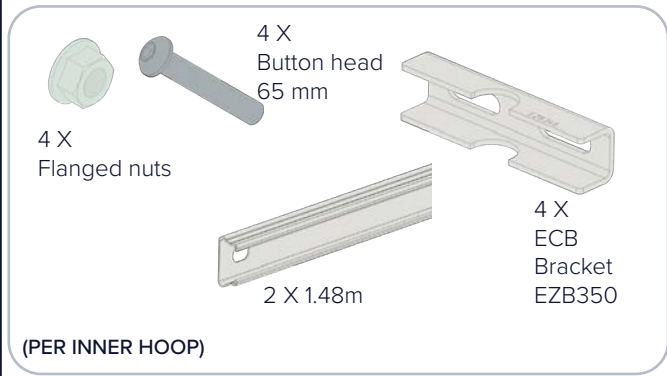


BASE PLATES

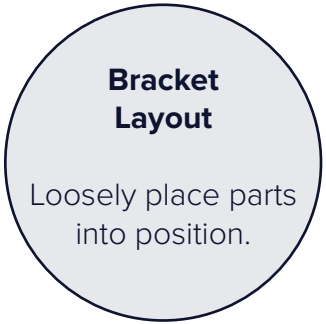
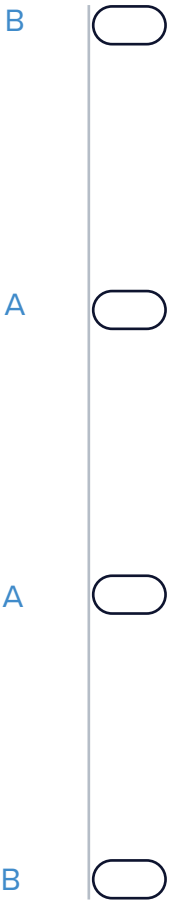
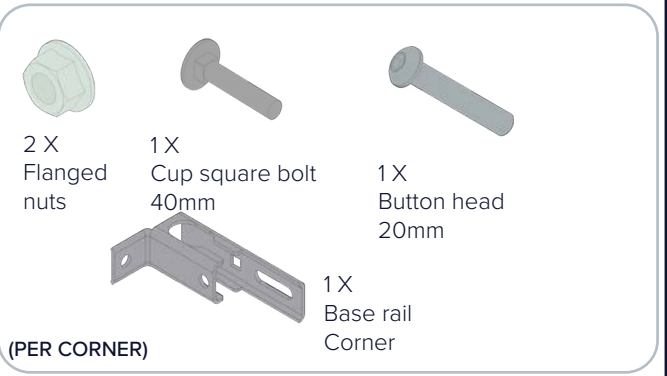


TOOLS NEEDED: SPIRIT LEVEL, 1 X 13MM SPANNER/SOCKET, ALLEN KEY
PACKS NEEDED: EZB203, EZB202

INNER HOOPS = A



END HOOPS = B



INNER HOOPS = A

1.

FINISHED ASSEMBLY

REPEAT FOR ALL INNER HOOPS

END HOOPS = B

1.

2.

FINISHED ASSEMBLY

REPEAT FOR ALL END HOOPS

LEAVE BOLTS LOOSE

TOOLS NEEDED: SPIRIT LEVEL
PACKS NEEDED: EZB200

4 X
Keyhole
Clamps

Note

Maintaining a Level baserail is only of particular importance if you have side ventilation

1.

Once level,
Tighten base rails

GROUND LEVEL

To maintain a
Level base rail,
back fill gaps as
necessary

2.

Add keyhole clamps to all
End hoops
(Used to fix corner bracing later)

TOOLS NEEDED: NONE

1 X Swaged Hoop

1 X Plain Hoop

2 X Hoop legs

(PER HOOP)

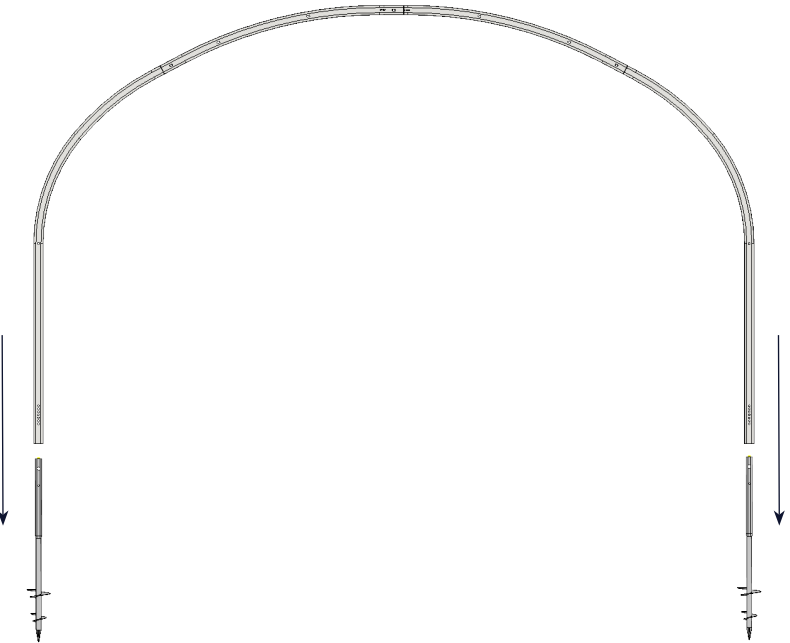
1.

IMPORTANT

EZB3... EZB3...

Ensure the etched ends of the two middle sections meet at the centre. The etchings may face either direction.

2.



TOOLS NEEDED: 1 x 13MM SPANNER/SOCKET
PACKS NEEDED: EZB201, EZB200

INNER HOOPS = A

2 X Flanged nuts

1 X Cup square bolts 40mm

2 X button head bolts 45mm

FOR 2 RIDGES

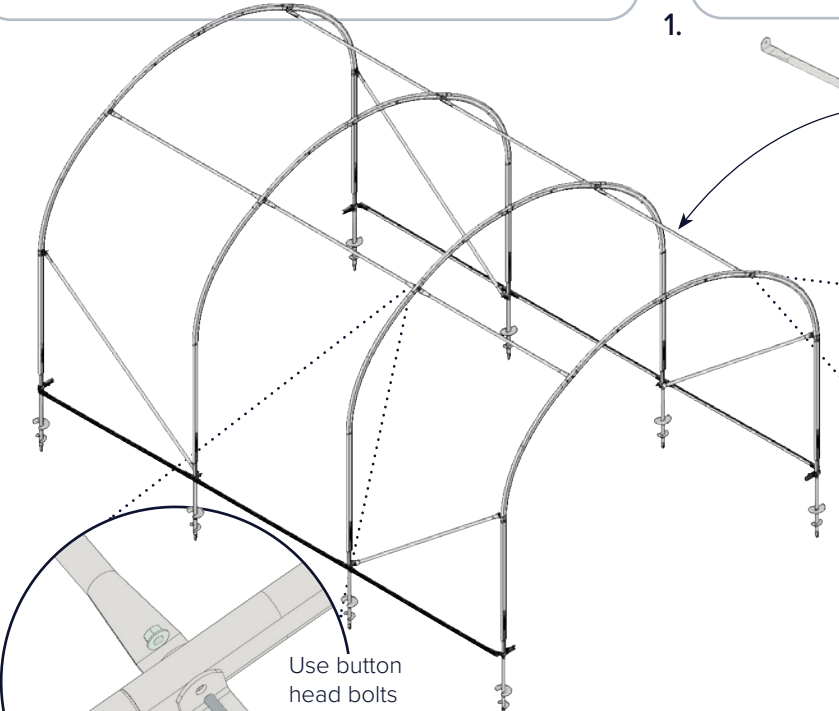
END HOOPS = B

3 X Flanged nuts

3 X Cup square bolts 40mm

PER END HOOP

1.



2.

INSIDE POLYTUNNEL

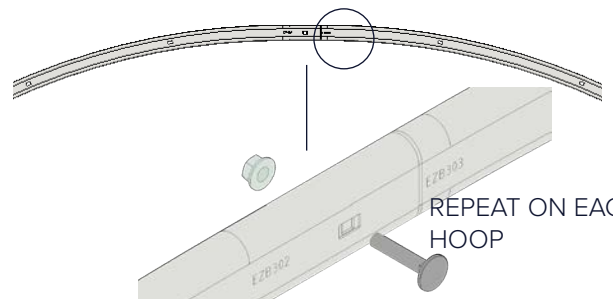
HOOP JOINT

OUTSIDE POLYTUNNEL

Use cup square bolts on the outside of the tunnel

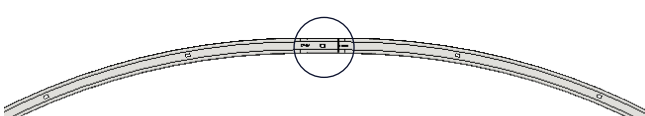
Use button head bolts inside the tunnel

3A. If no additional ridge bars purchased:



REPEAT ON EACH HOOP

3B. If additional ridge bars purchased, install at this point. Ridge bars can be placed Anywhere, but some holes may be shared with a door.



IF YOU HAVE NOT PLACED A RIDGE BAR IN THE CENTRE HOLE, COMPLETE STEP 3A

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

4 X
Corner brace
1.85m hole to hole

8 X
Flanged
nuts

4 X
35mm
Button head
bolts

1.

35MM

100MM
APPROX

2a.

INSIDE
POLYTUNNEL

2b.

If you are trenching your
Cover - use the exhaust clamp
Provided with your foundation to attach the
corner bracket to the hoop

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

PACKS NEEDED: EZB200

3.

Leave

35MM

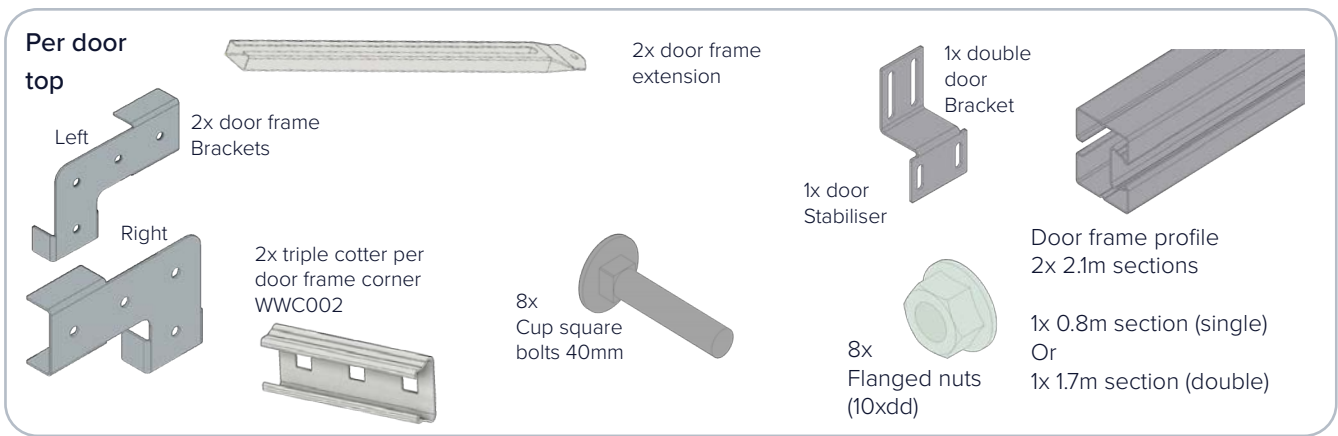
4. Adjust bracket until
hoop is vertical

5. Tighten bolts

REPEAT PROCESS ON
EACH CORNER

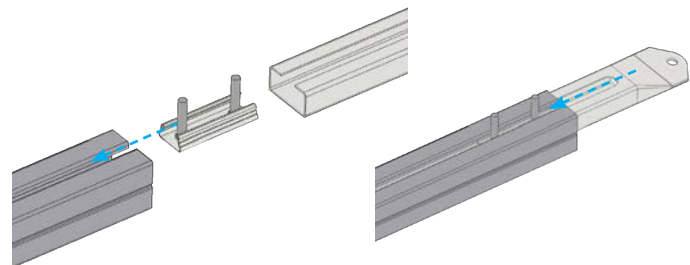
! If installing side vents, insert a bolt into every hoop/foundation connection. This ensures
the hoops are secure as the build progresses.

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

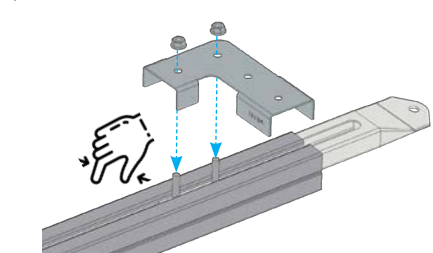


💡 Assemble door frame on a flat surface.

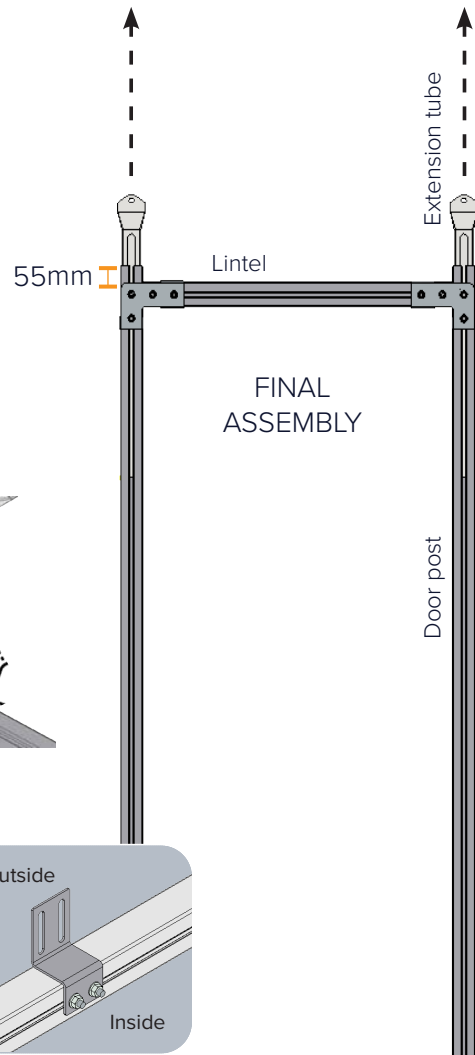
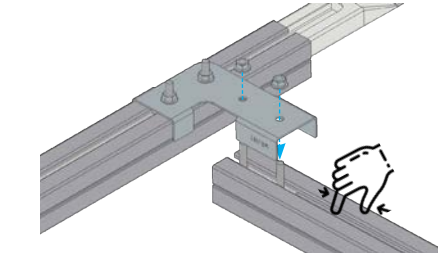
1. Slide cotter assembly and extension onto door post.



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

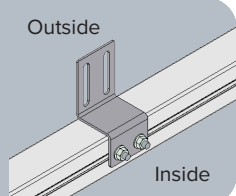


3. Repeat process for lintel profile.



⚠️ 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.

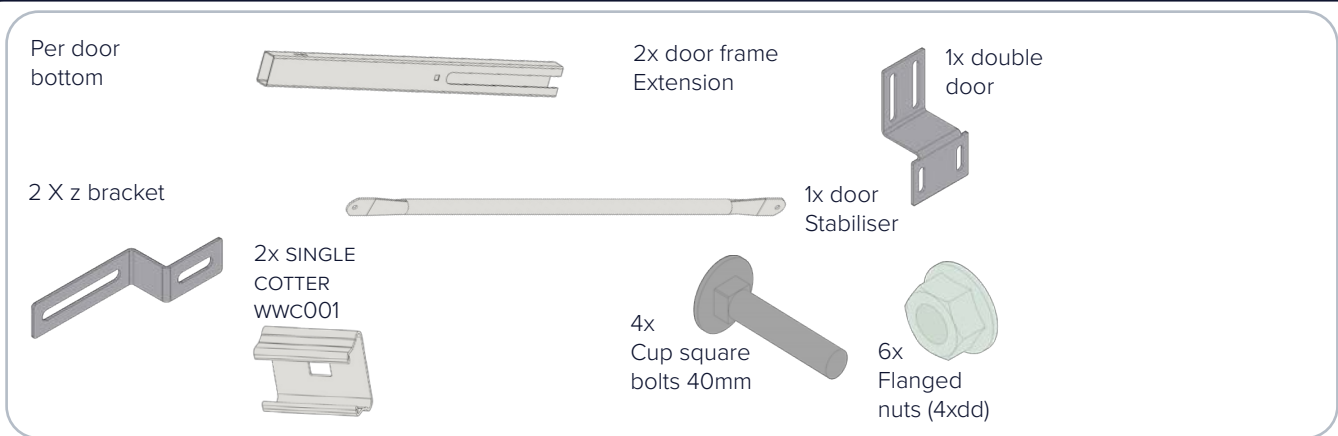


⚠️ 3.5M WIDE TUNNELS ONLY

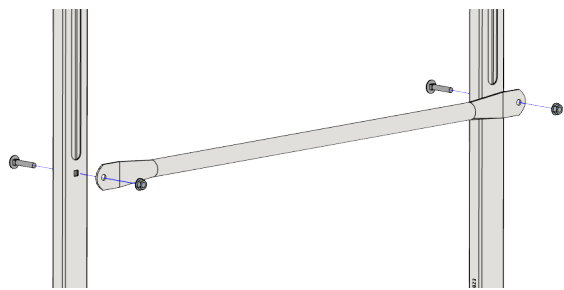
If your tunnel is 3.5m wide and includes a double door you will need to cut the door posts to fit under the hoop.

If using base plates skip to page 19

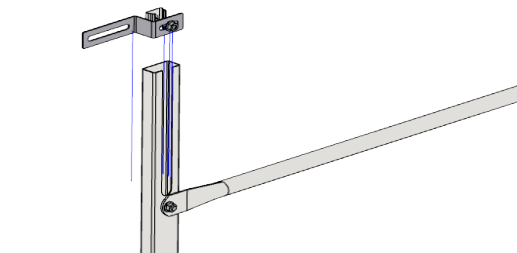
TOOLS NEEDED: 13MM SPANNER/SOCKET, DRILL, TEK SCREW BIT, STRING LINE, SPADE, TAPE MEASURE, SPIRIT LEVEL
PACKS NEEDED: EZB206, EZB216



1.

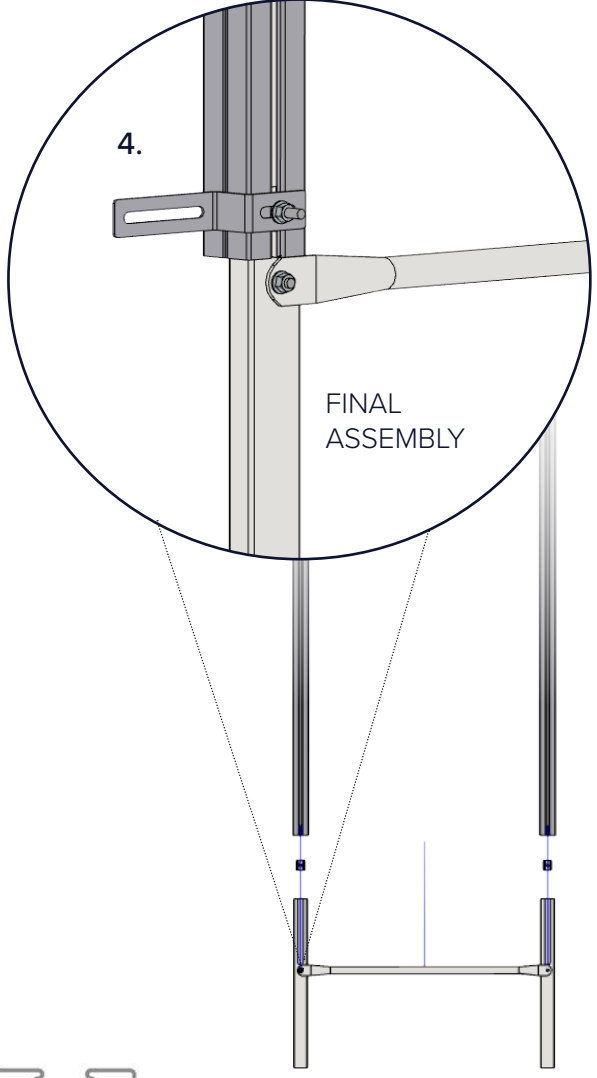
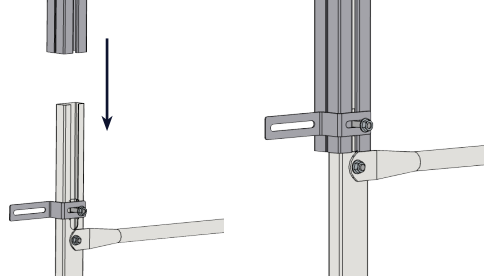


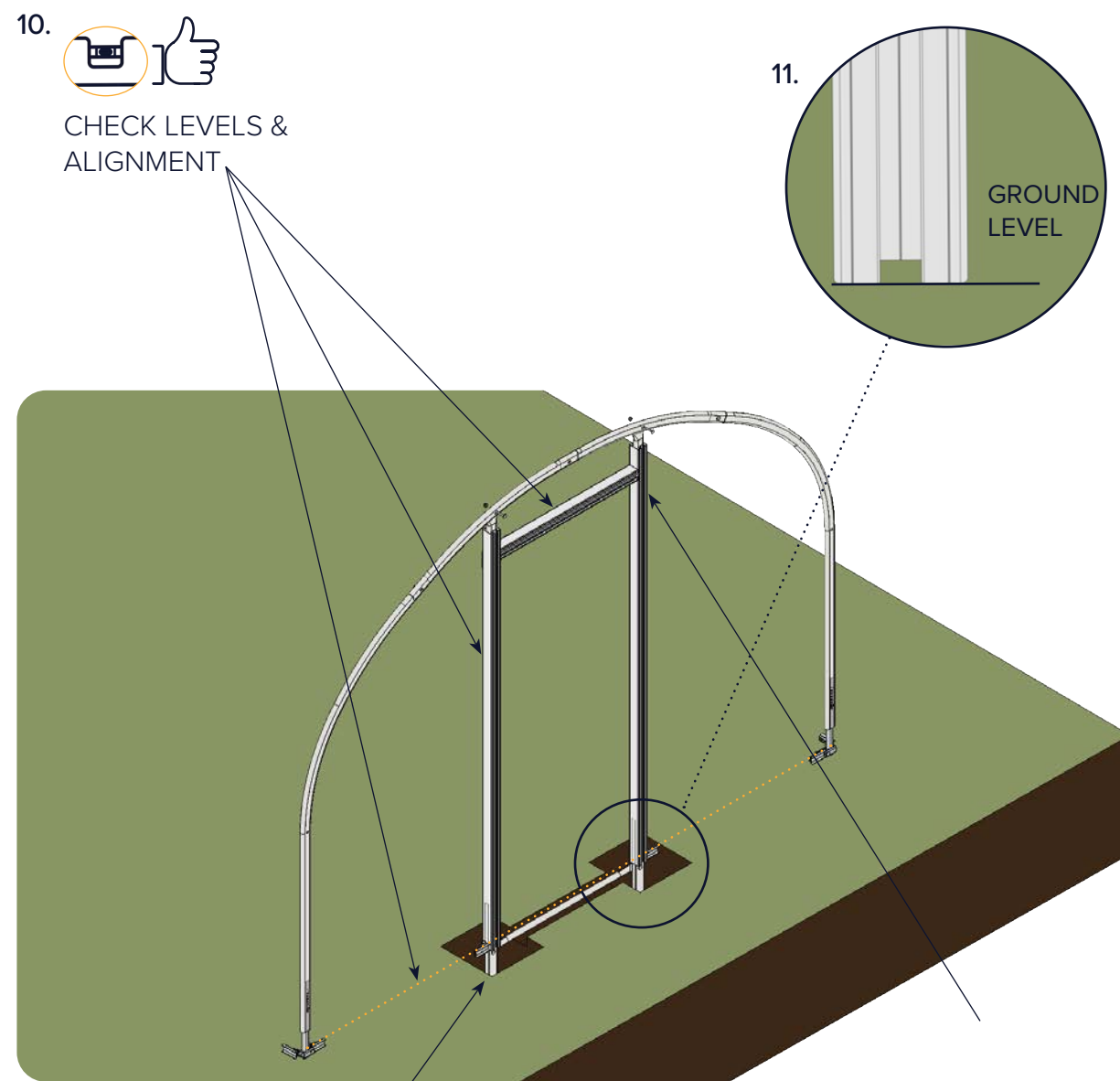
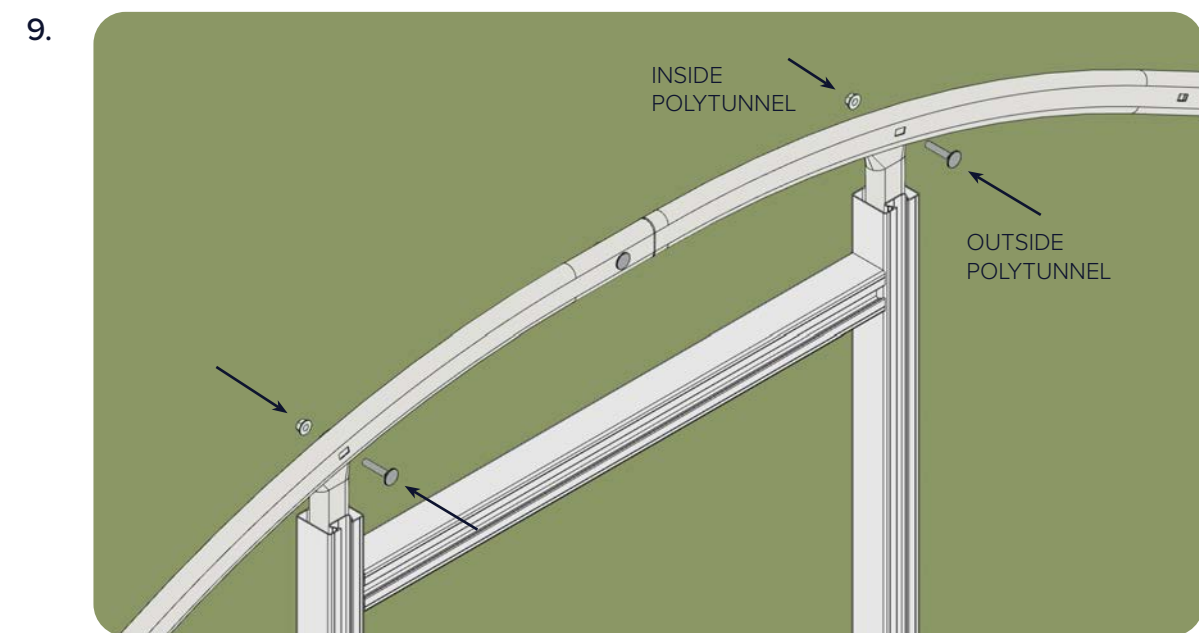
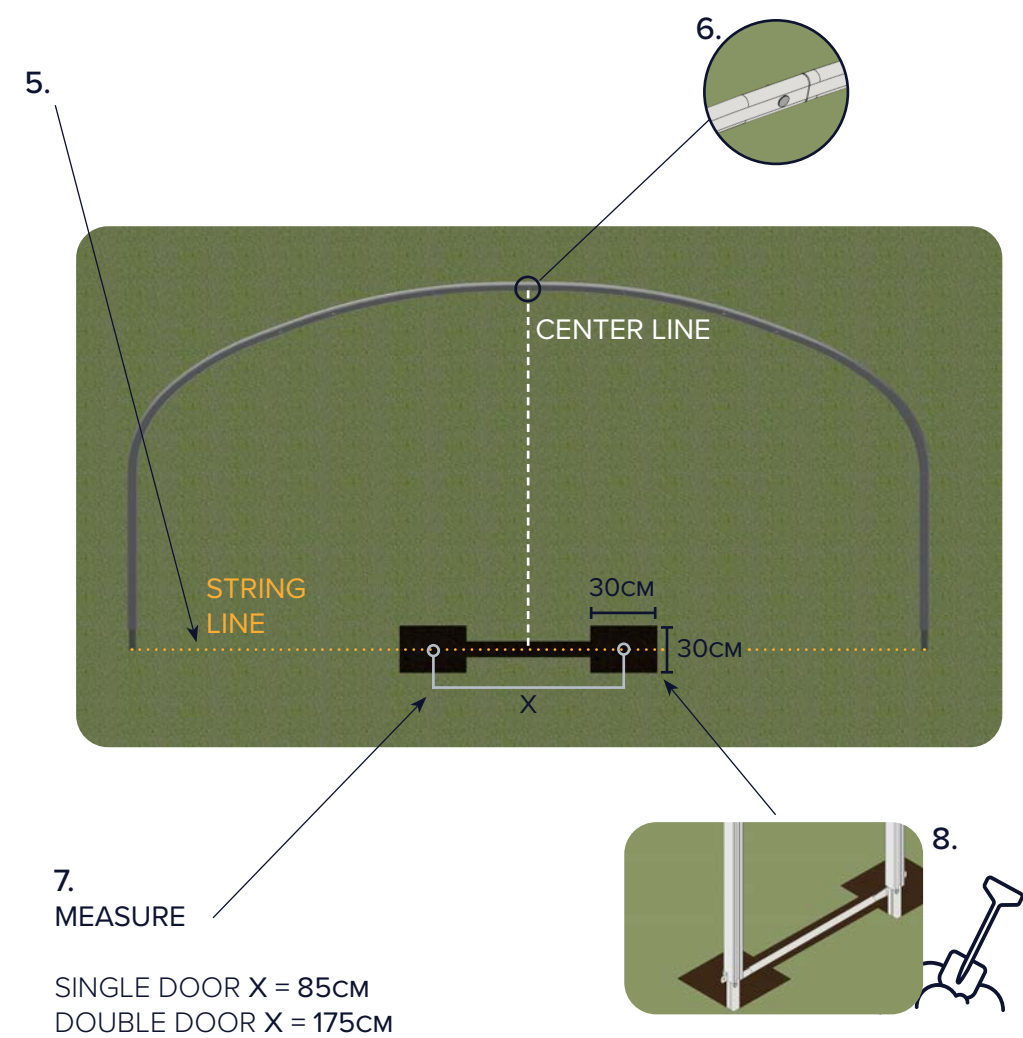
2. Slide cotter, bolt & Z bracket on extension tube



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

3. Slide onto door post





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

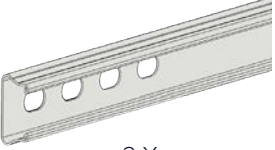
PER END



4 X
Flanged
nuts

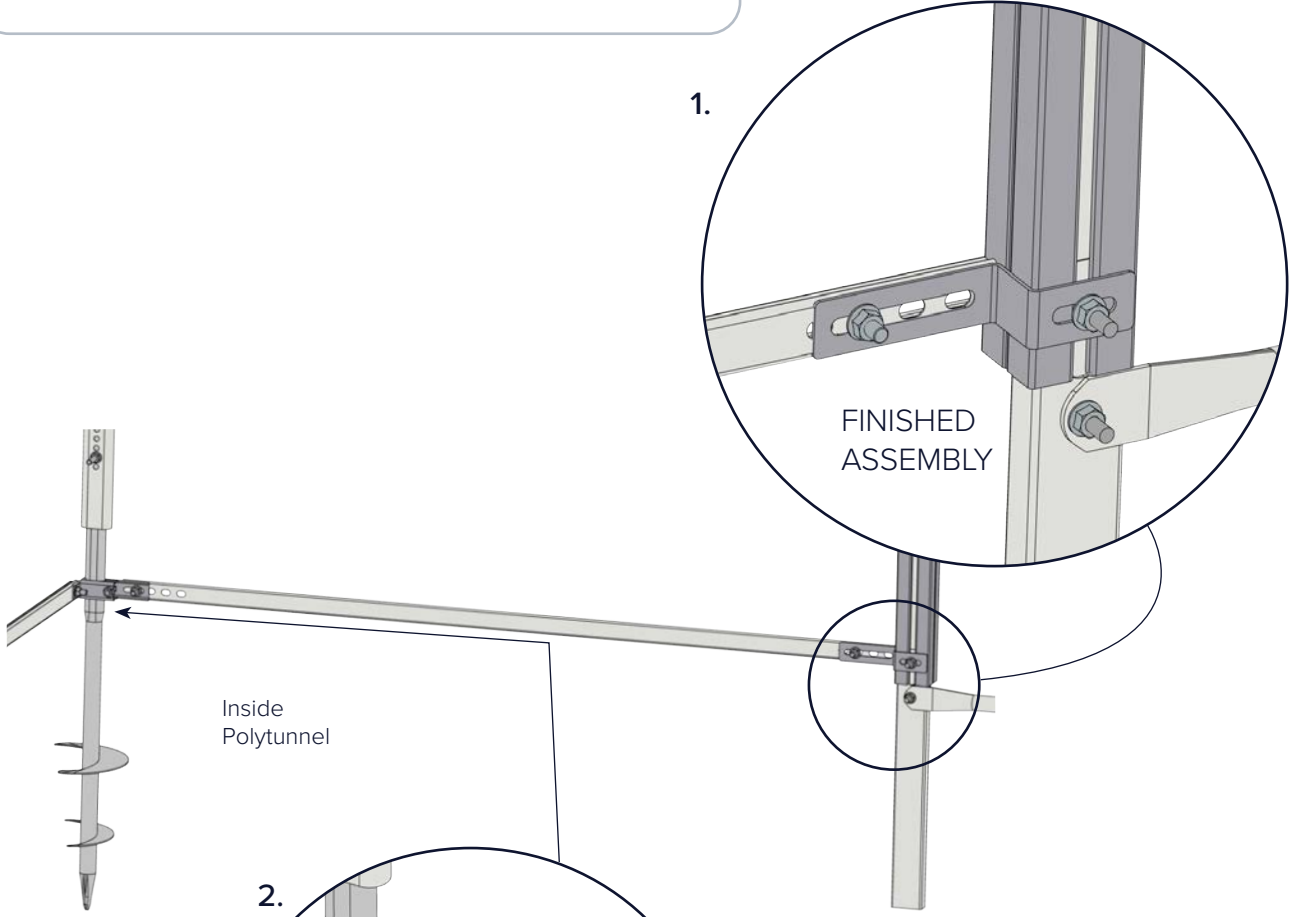


4 X
Button head
20mm



2 X
Base rails

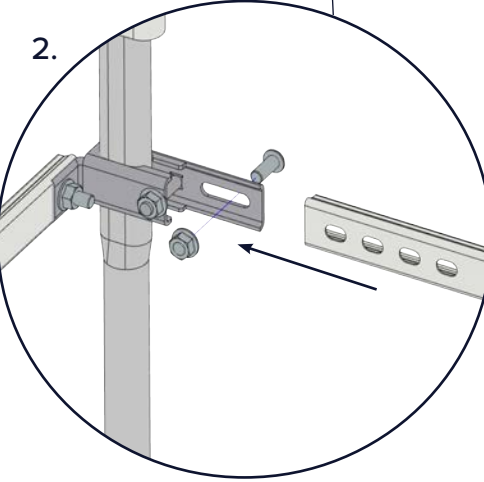
1.



FINISHED ASSEMBLY

Inside Polytunnel

2.



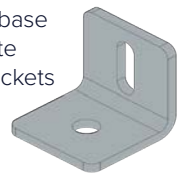
GO TO PAGE 22

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



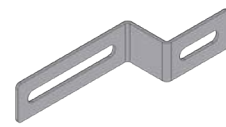
2x sleeve
Anchor



2x base
plate
Brackets



2x
Base rails



2 X z bracket



2x single
cotter



8x button
heads 20mm

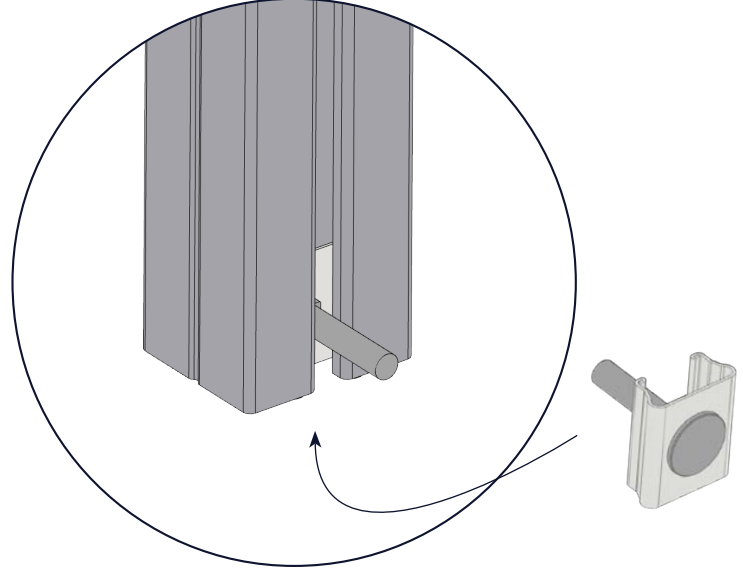


4x
Cup square
bolts 40mm

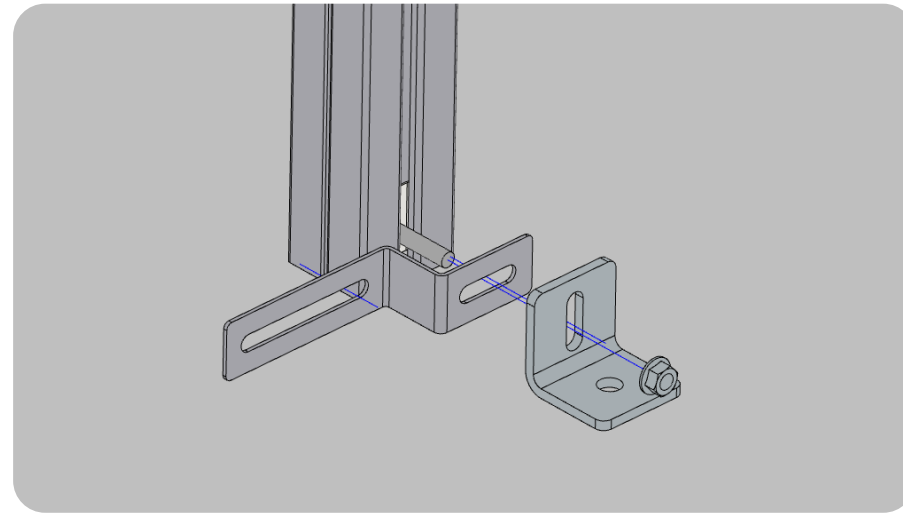


6x
Flanged nuts
(6xddd)

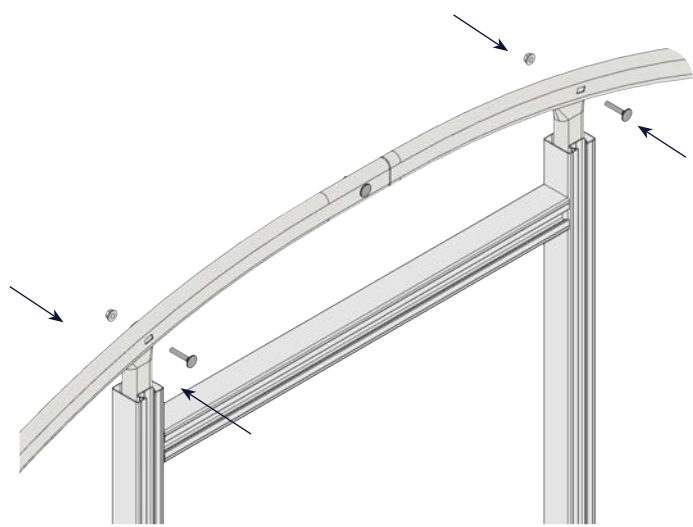
1.



2.



3.

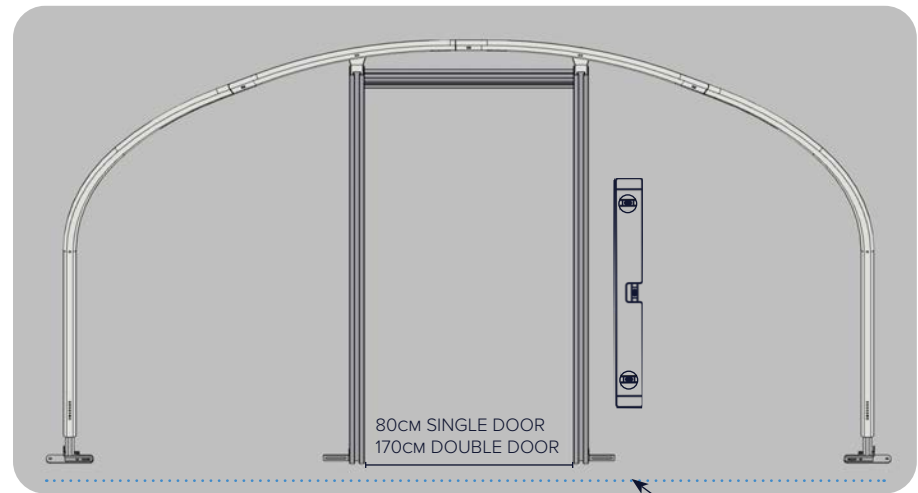


If door posts do not fit under the hoop, either:

- 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.

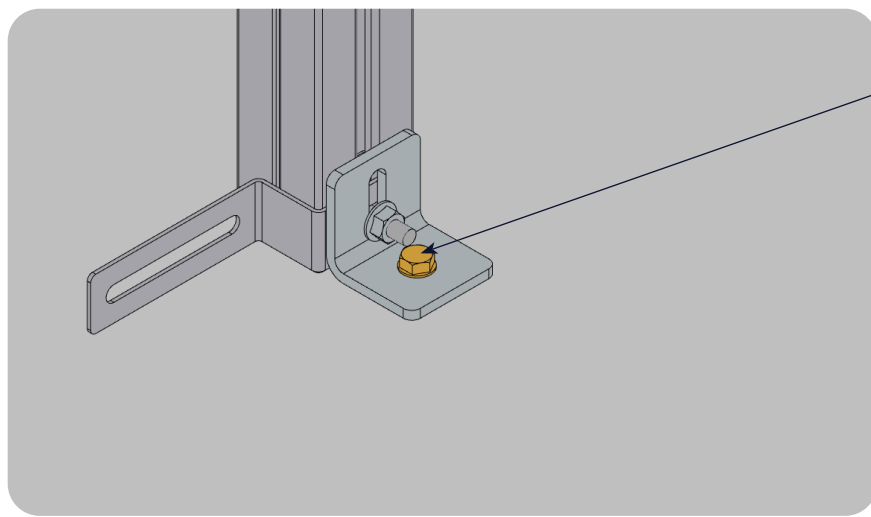
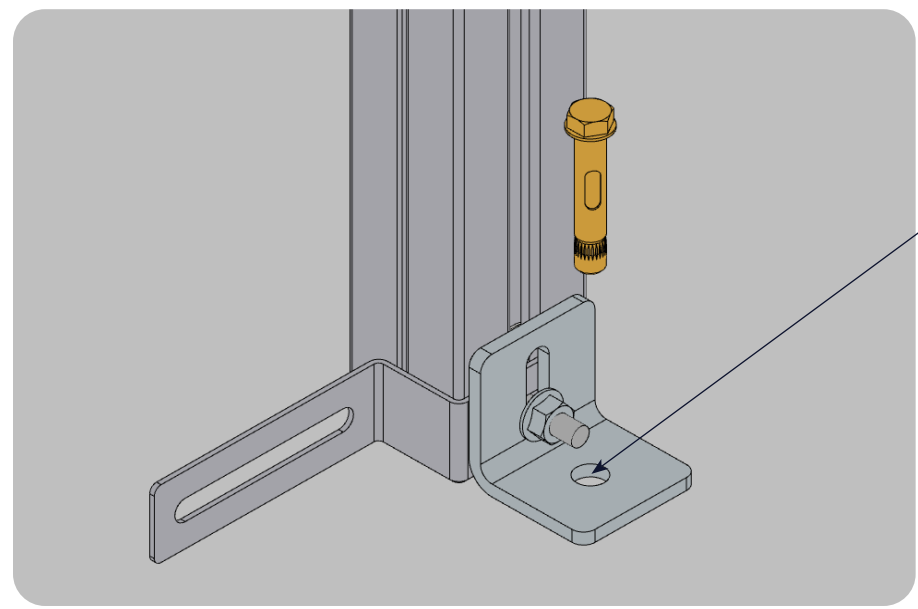


String line

Check door is in line with hoops



5.

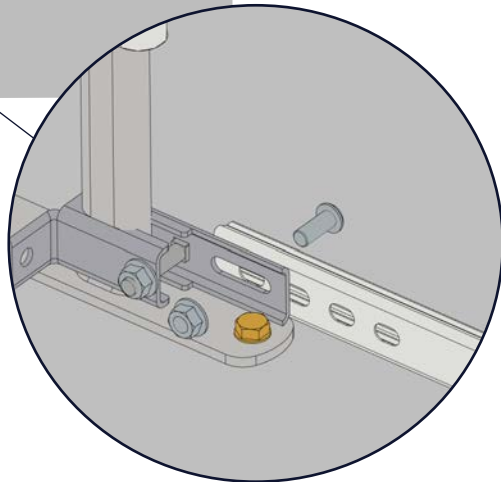
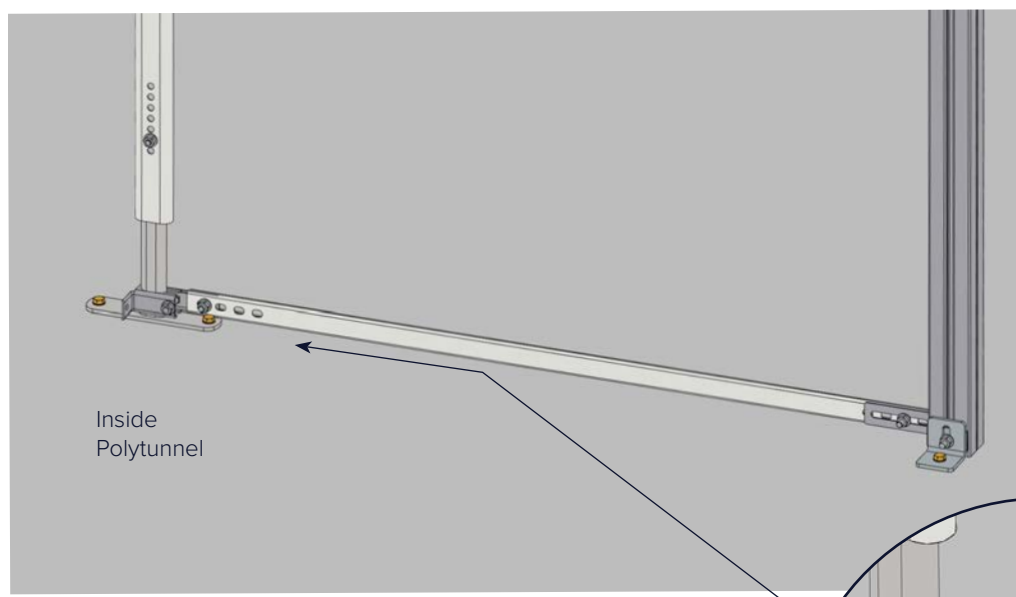


6.

Hammer in sleeve anchor

Tighten with spanner

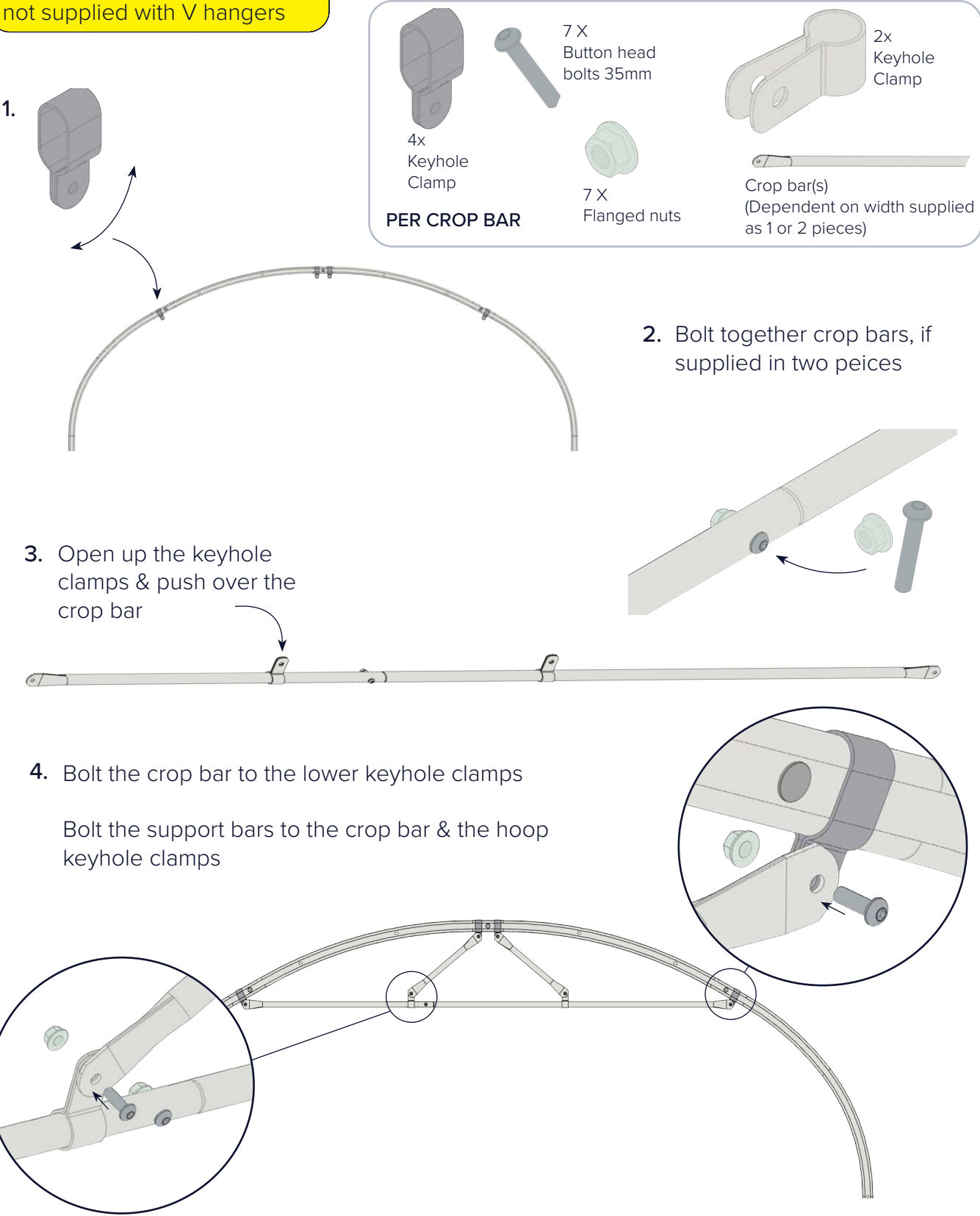
7.



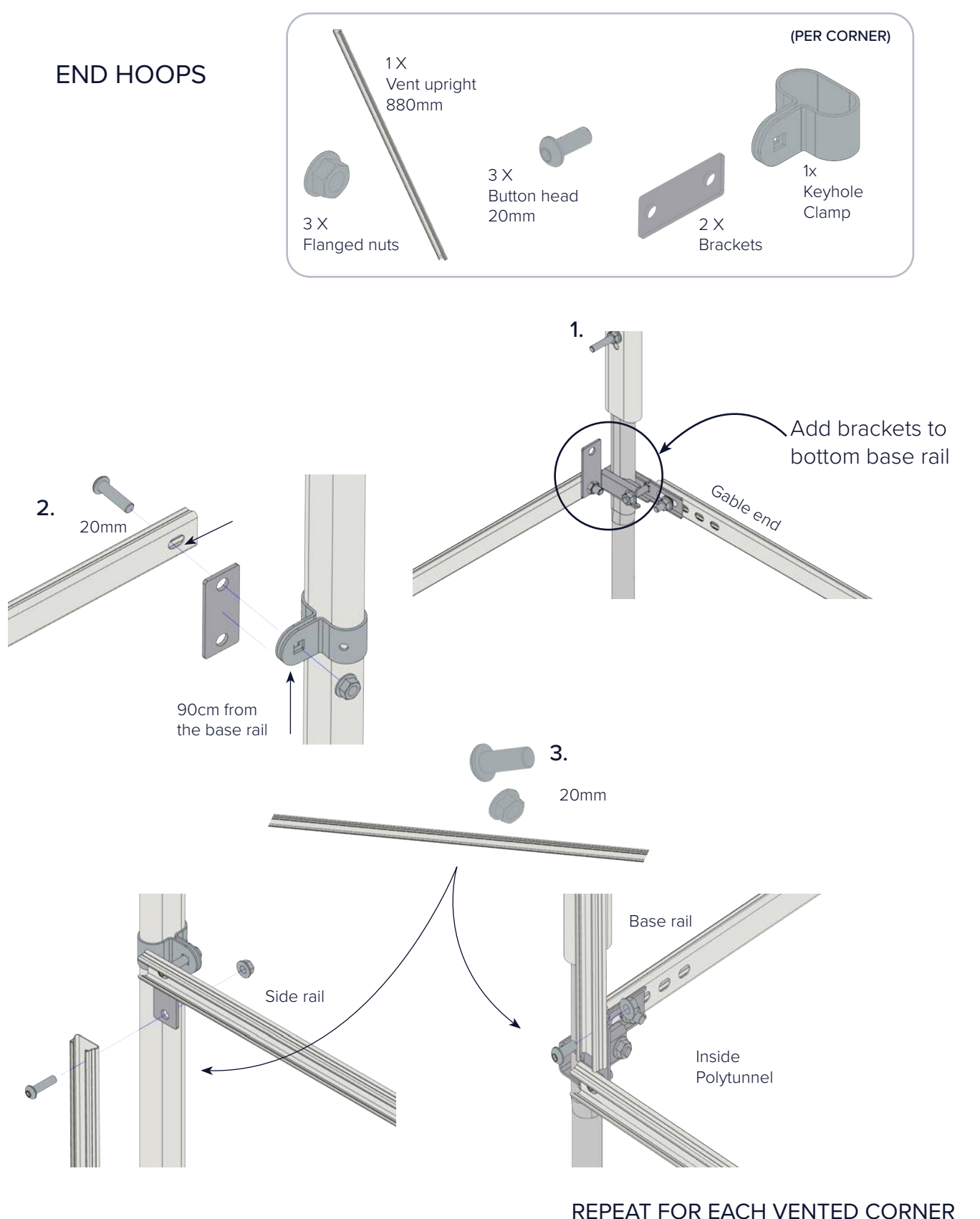
REPEAT AT EACH DOOR POST

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

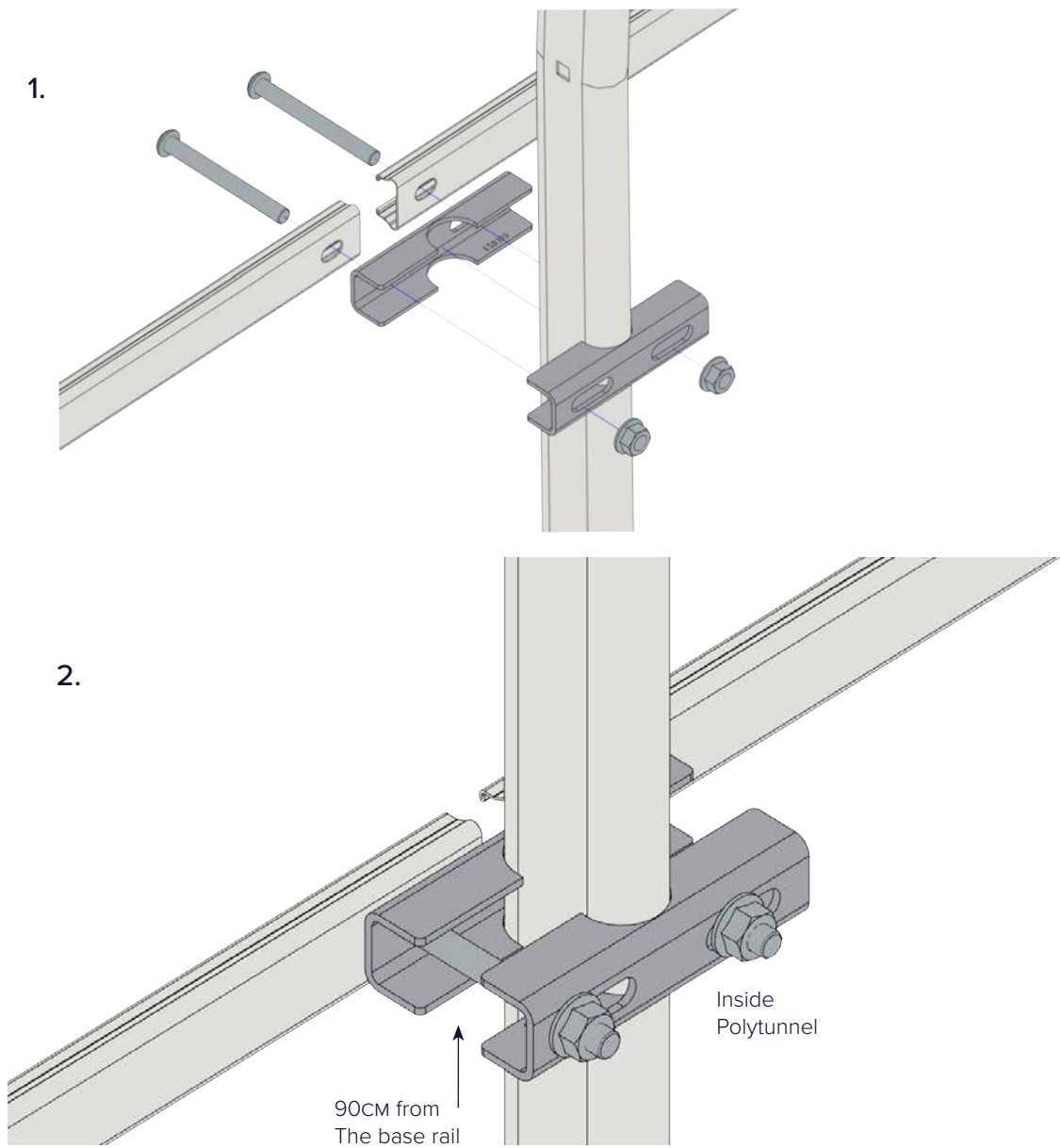
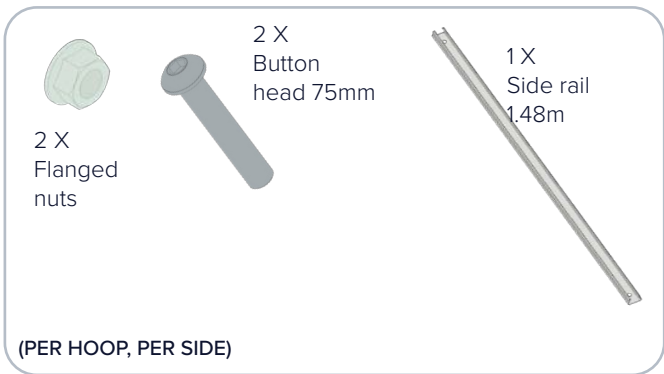


TOOLS NEEDED: 1 x 13MM SPANNER/SOCKET, 4MM ALLEN KEY
PACKS NEEDED: EZB204



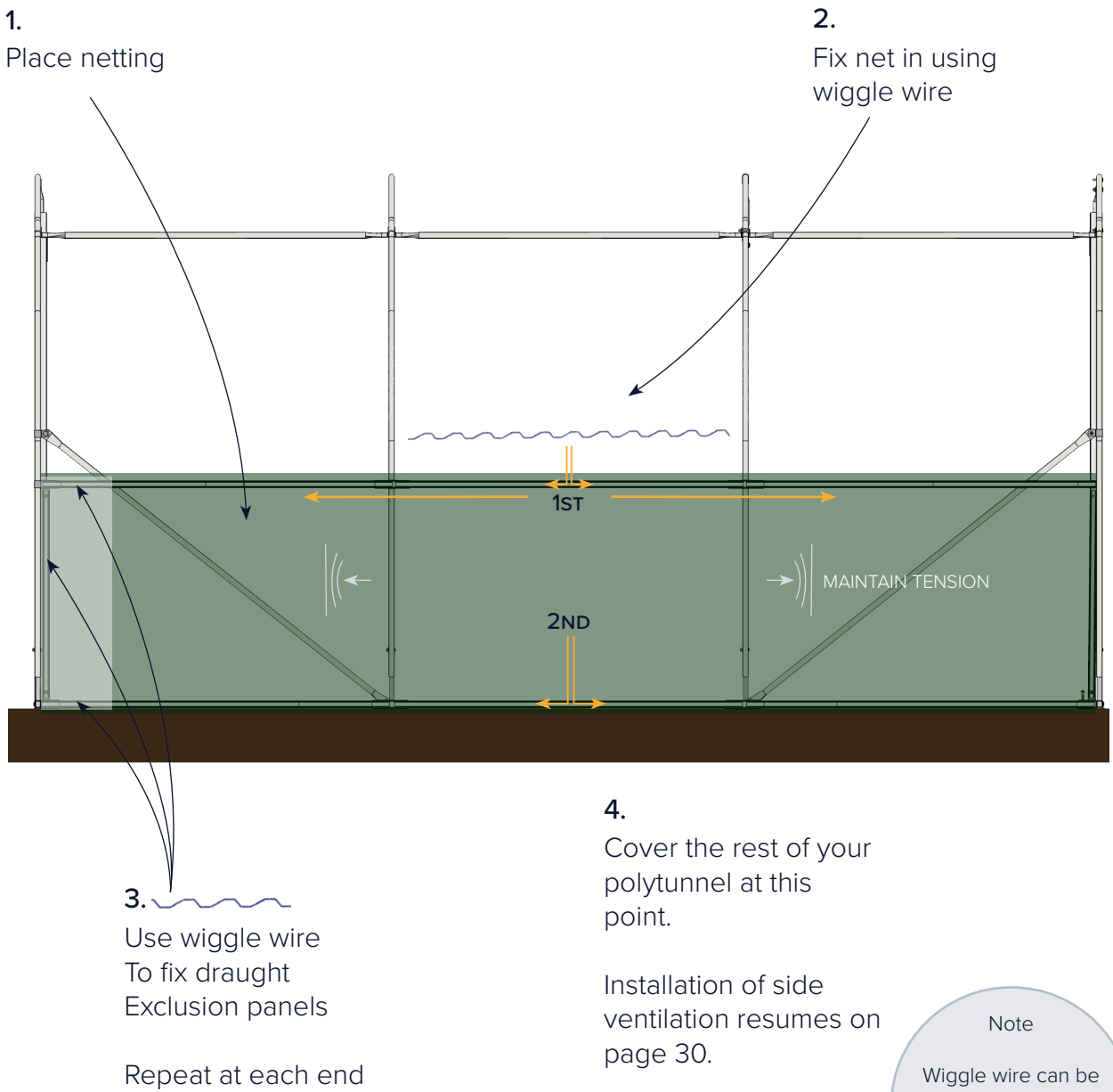
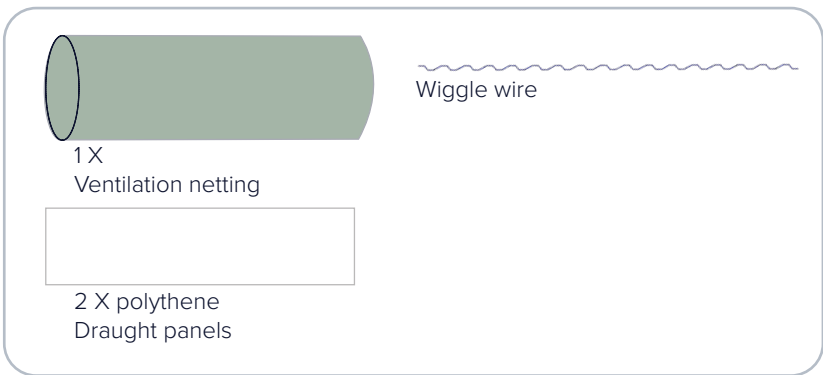
PACKS NEEDED: EZB205, EZB204

INNER HOOPS



REPEAT FOR ALL INTERMEDIATE HOOPS

TOOLS NEEDED: WIRE CUTTERS, SCISSORS



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



Anti-hot spot tape



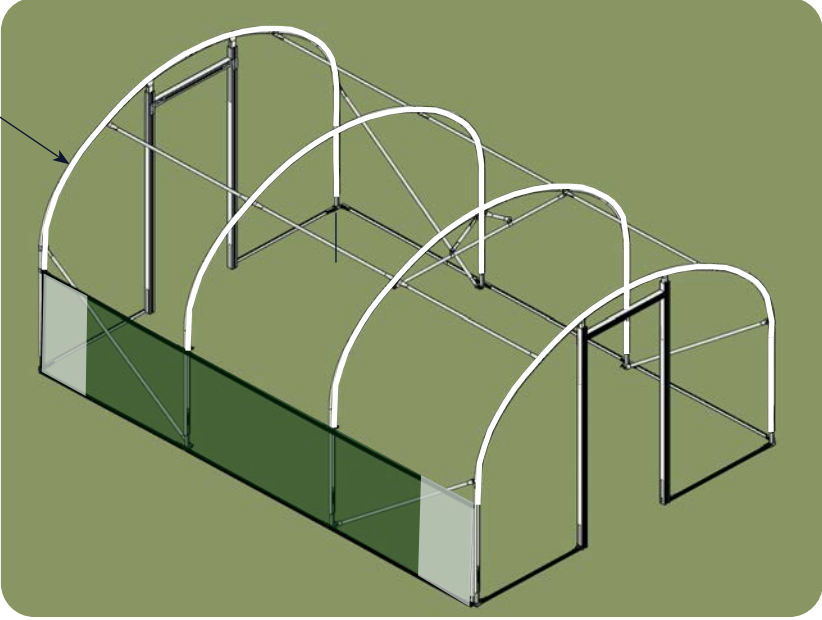
Wiggle wire



Polytunnel cover

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



Width

TEXT
"THIS SIDE INSIDE"

Polythene is Folded like this Across the width

You must be able to read this from inside the polytunnel

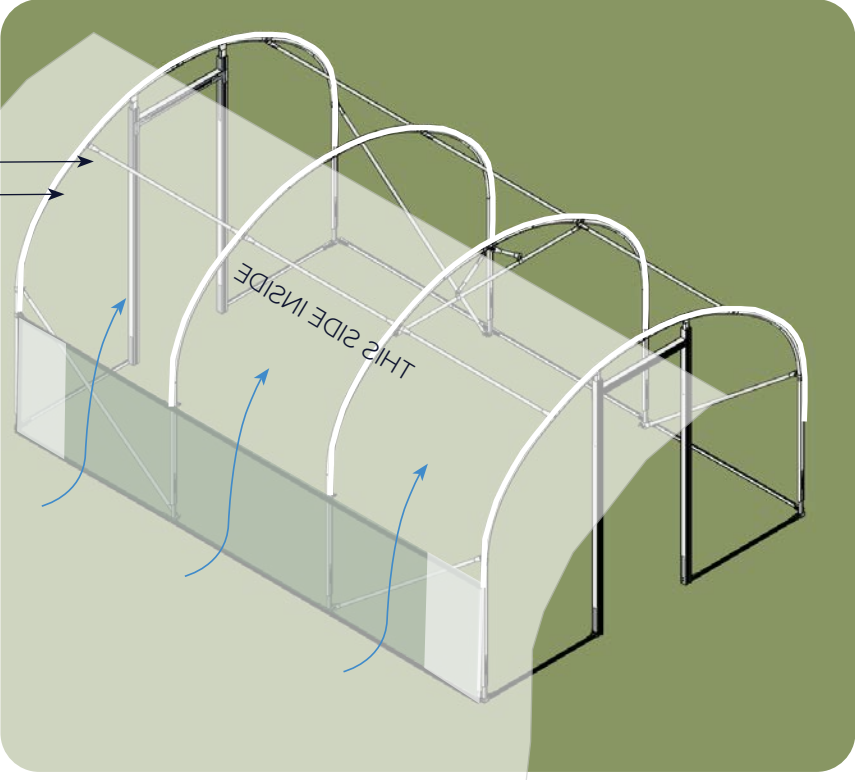


Note

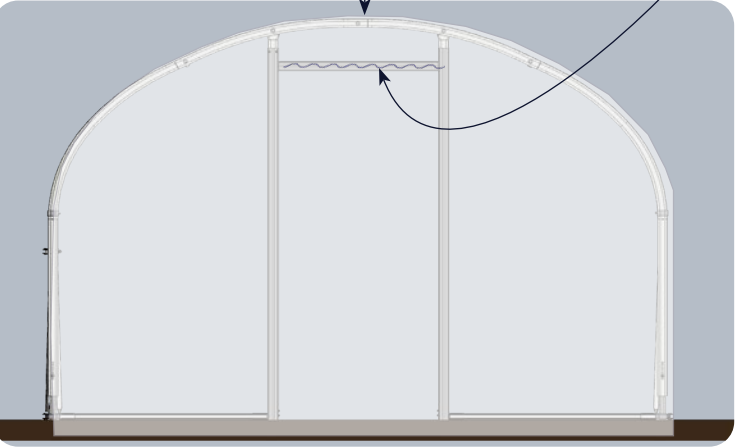
Do not attempt if Wind speed Exceeds 15MPH!

Wind direction should push the Cover towards the Polytunnel

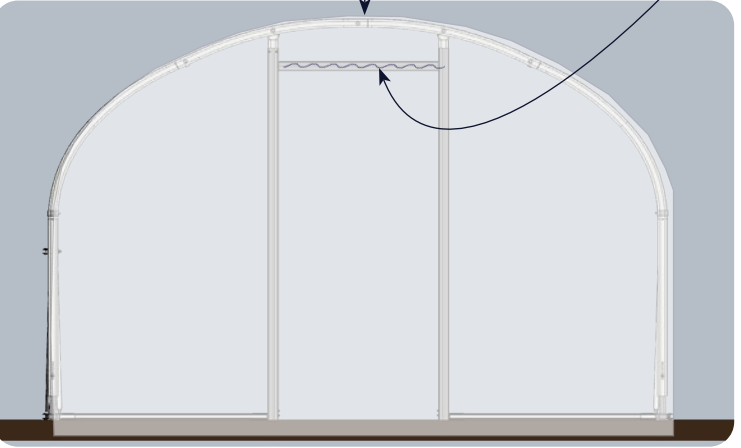
3. Pull polythene over polytunnel



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

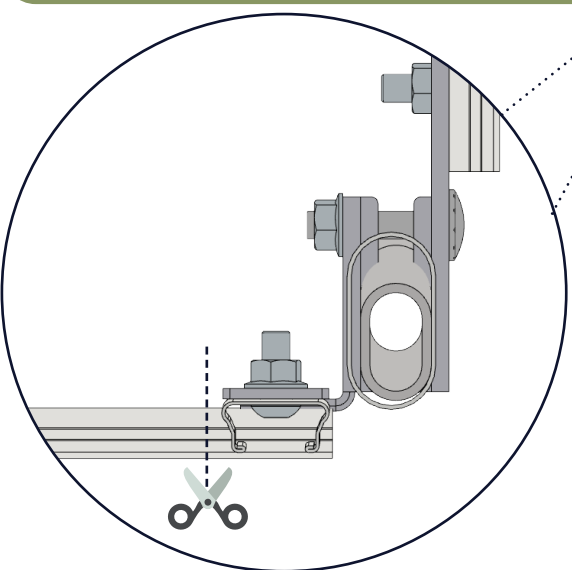
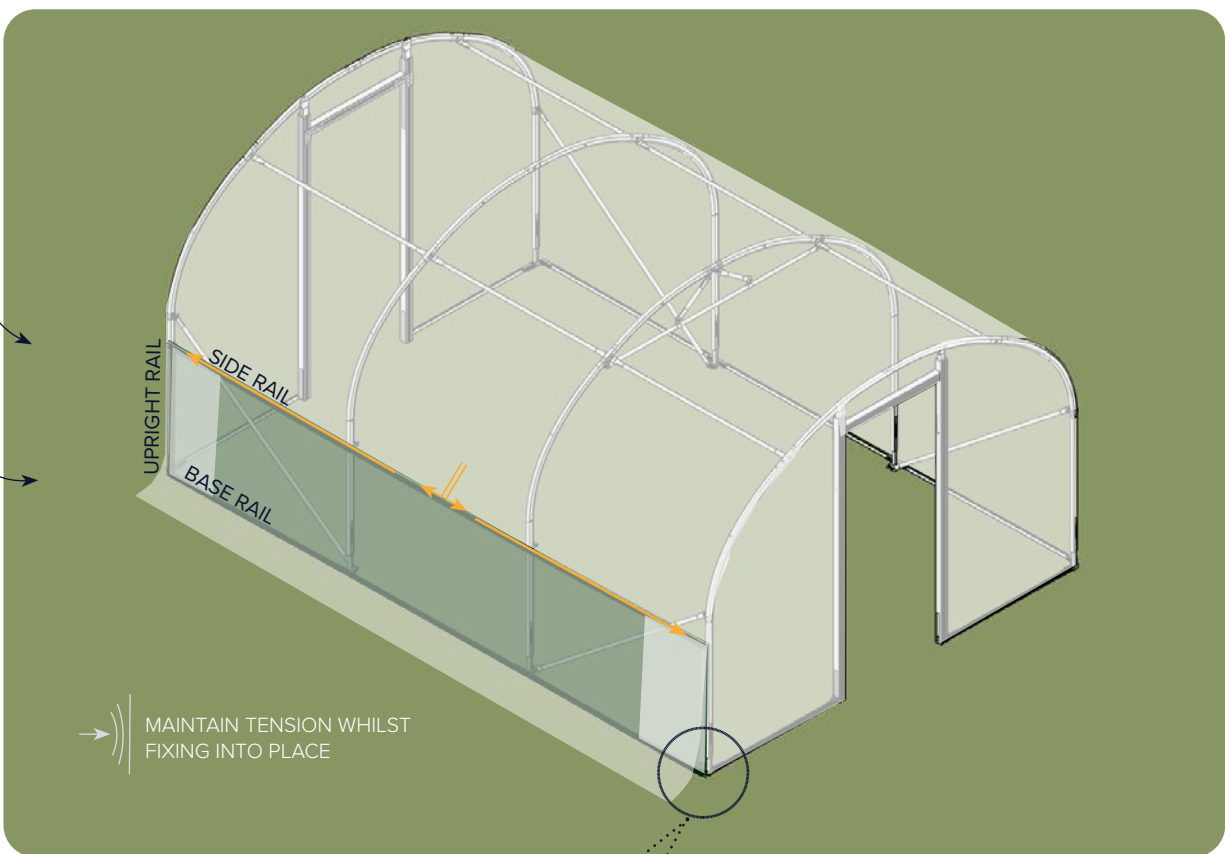
Pull the cover as tight as possible as you fix with wiggle wire

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

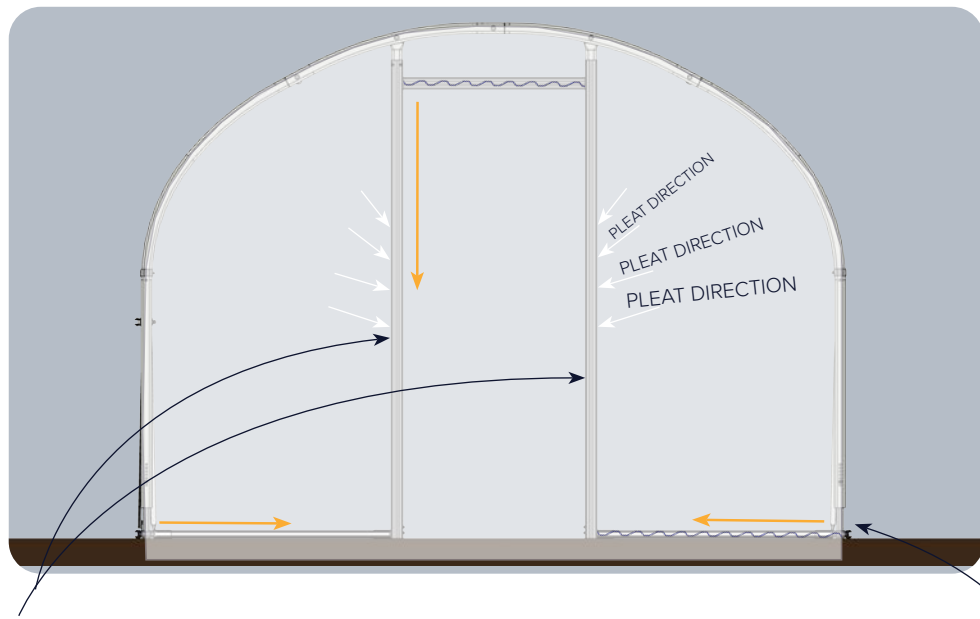
If you have side ventilation, do not trim off the excess side cover & ensure when covering that there is enough polythene to form the side curtain.



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.

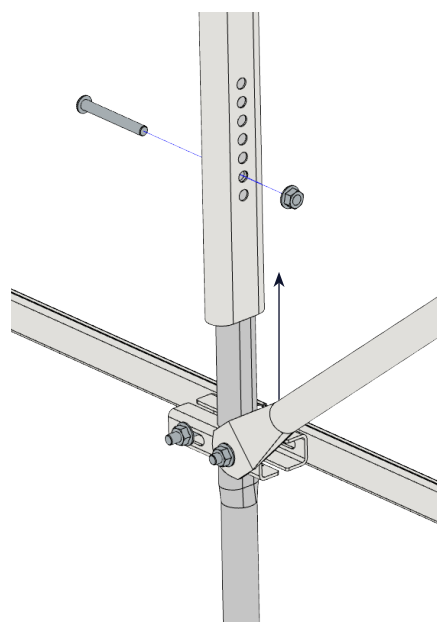


8. Use wiggle wire to fix the polythene into the door frame.

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

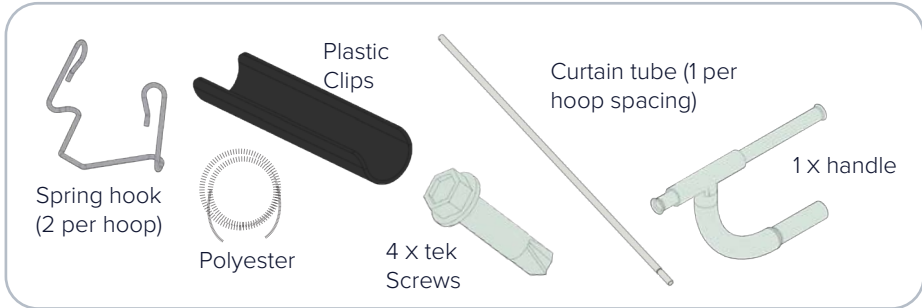
Tighten side rail bracket

Repeat on each hoop

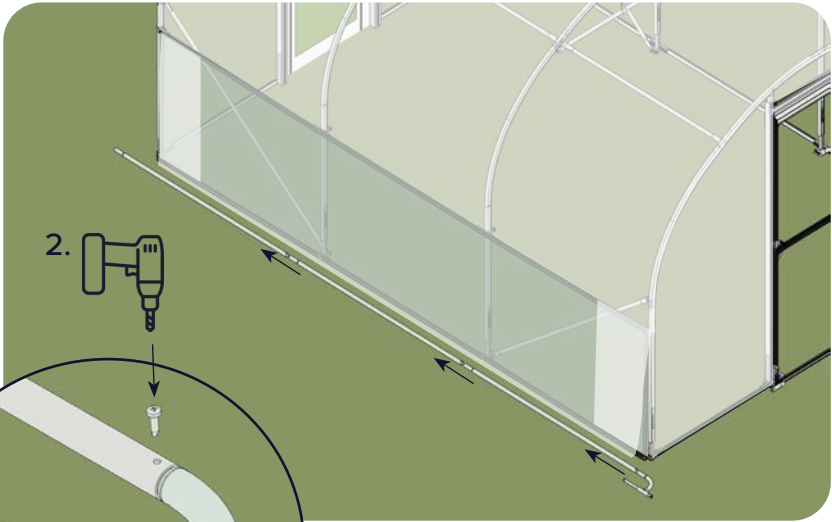
Trim any excess polythene & wiggle wire if no side vent fitted

TOOLS NEEDED: DRILL WITH TEK SCREW BIT, SCISSORS

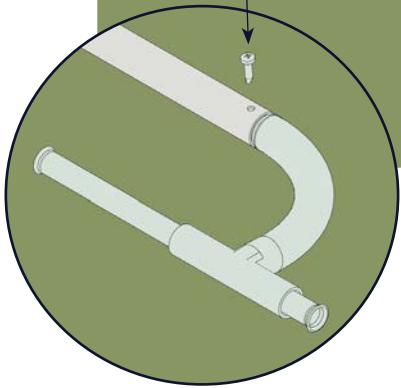
Resume from this point once you have covered your polytunnel



1.



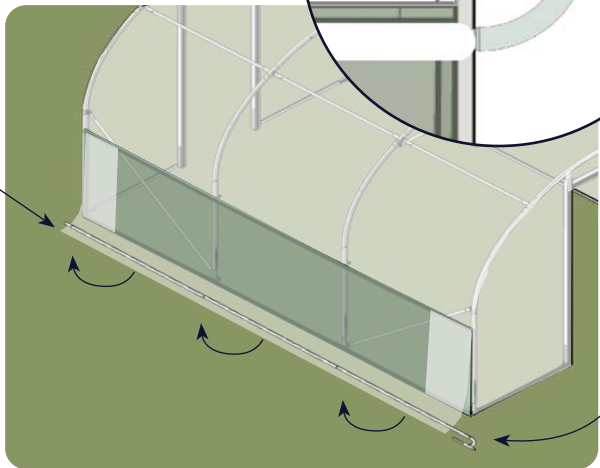
2.



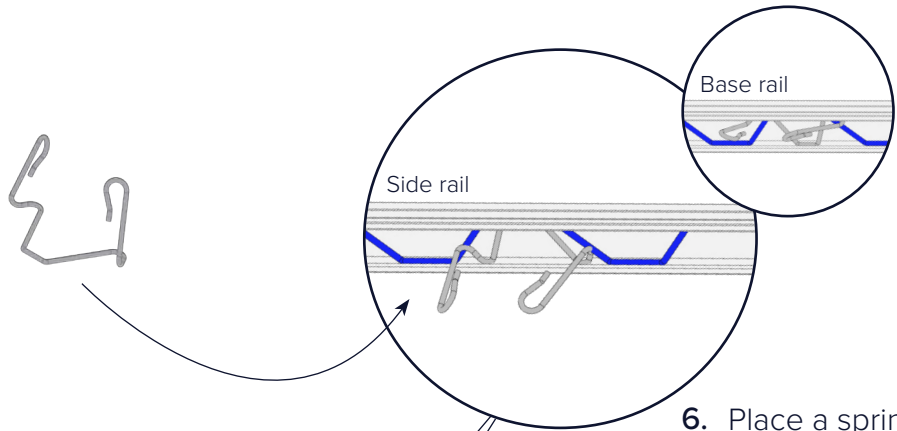
3. You need at least 100MM of excess polythene to attach the curtain tube, trim if excessively long or uneven.

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

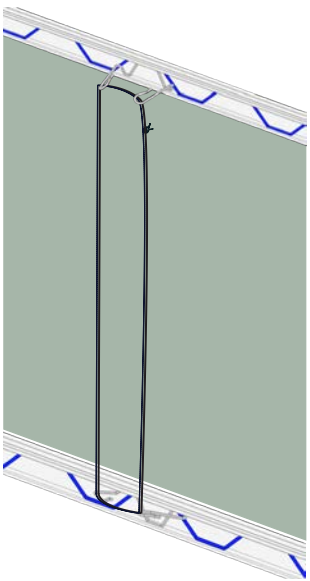
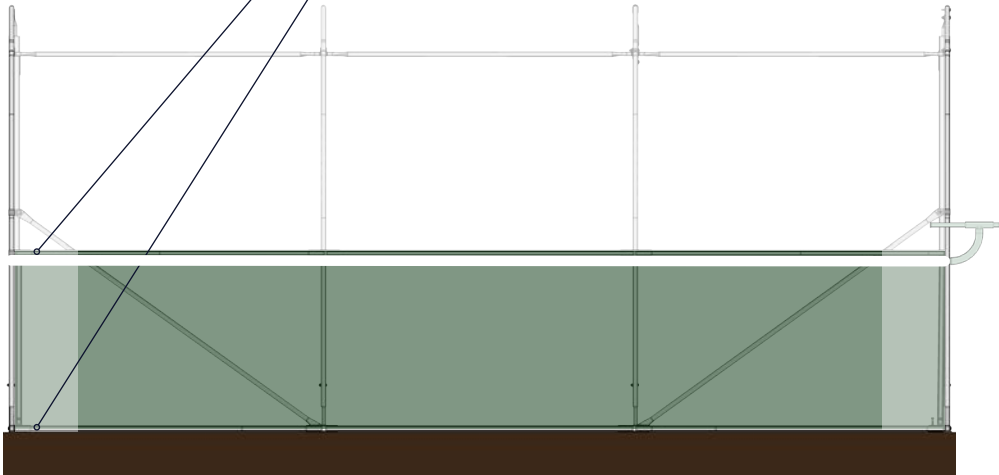
5. You should now be able to wind the curtain up and down



Handle placement



6. Place a spring hook in the side and base rail at every hoop



7. Attach polyester chord between each pair of spring hooks

Knot securely in place

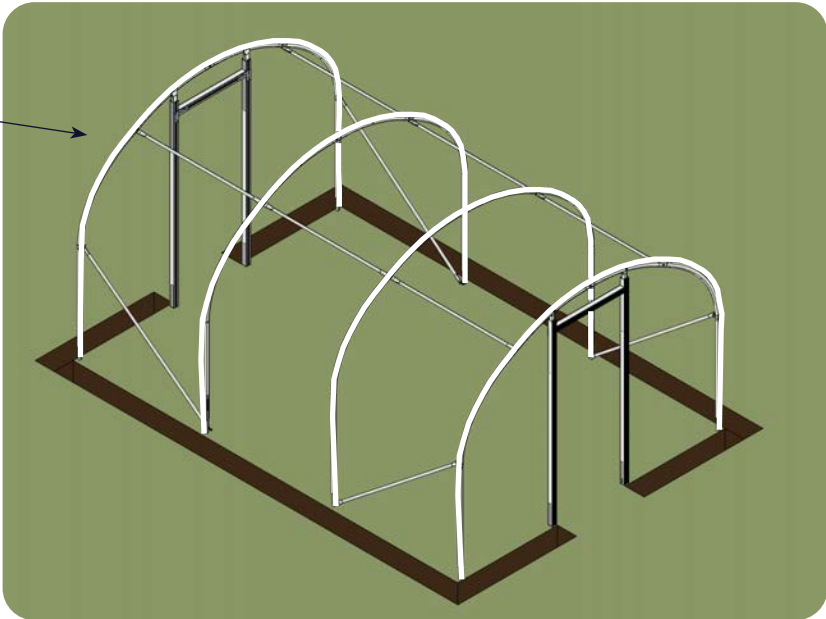
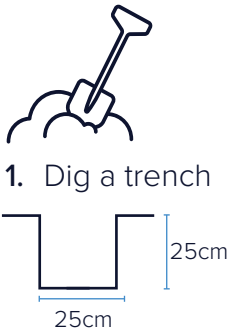
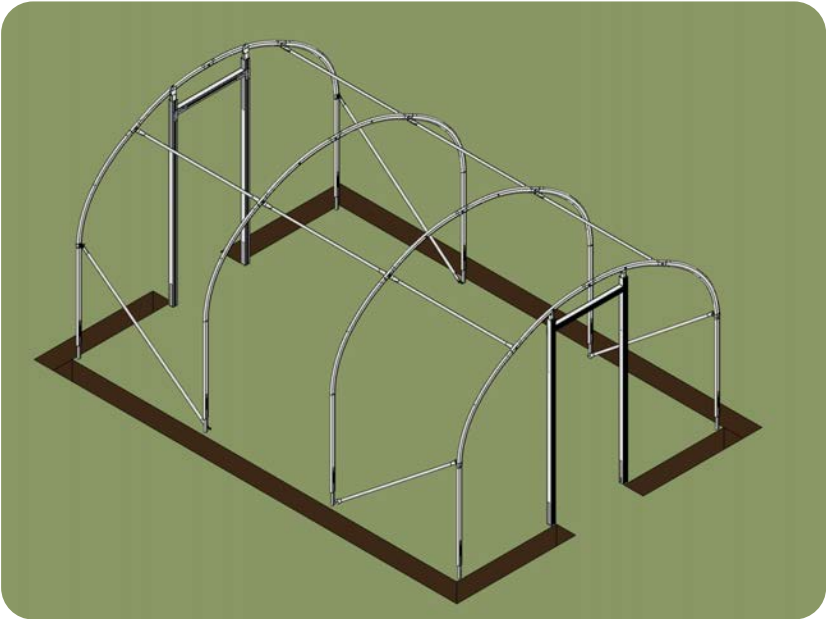
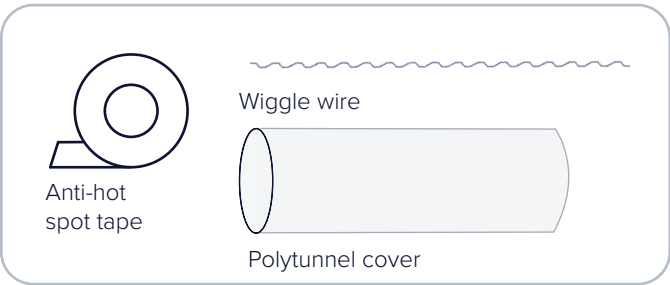
Note

The handle has a tube that slides in and out.

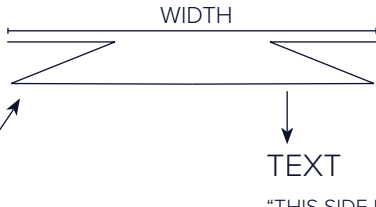
Slide the tube out Towards you to Open or close the curtain.

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



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

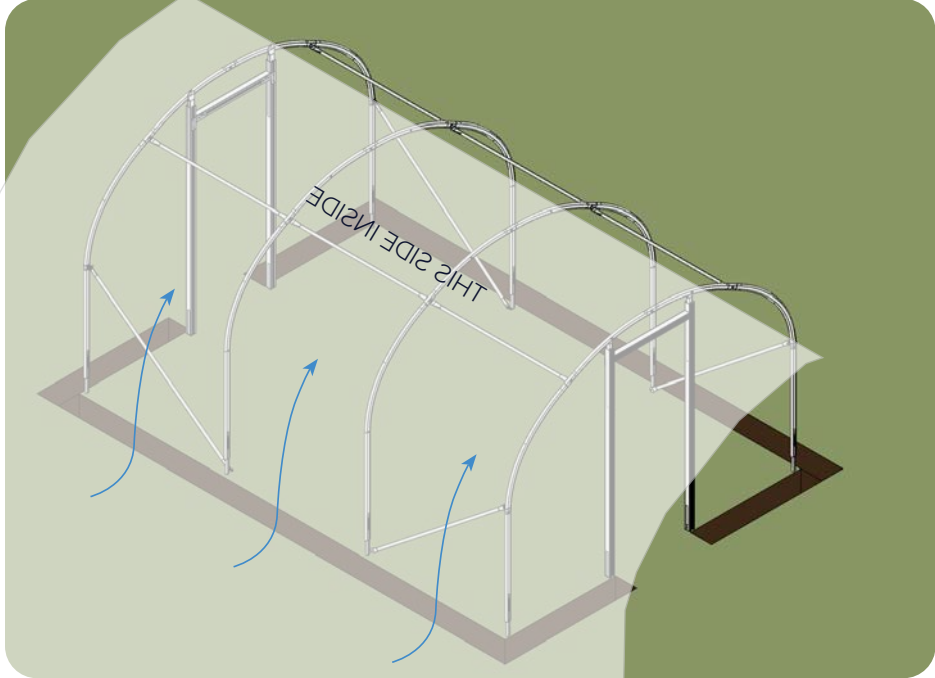


Polythene is folded like this

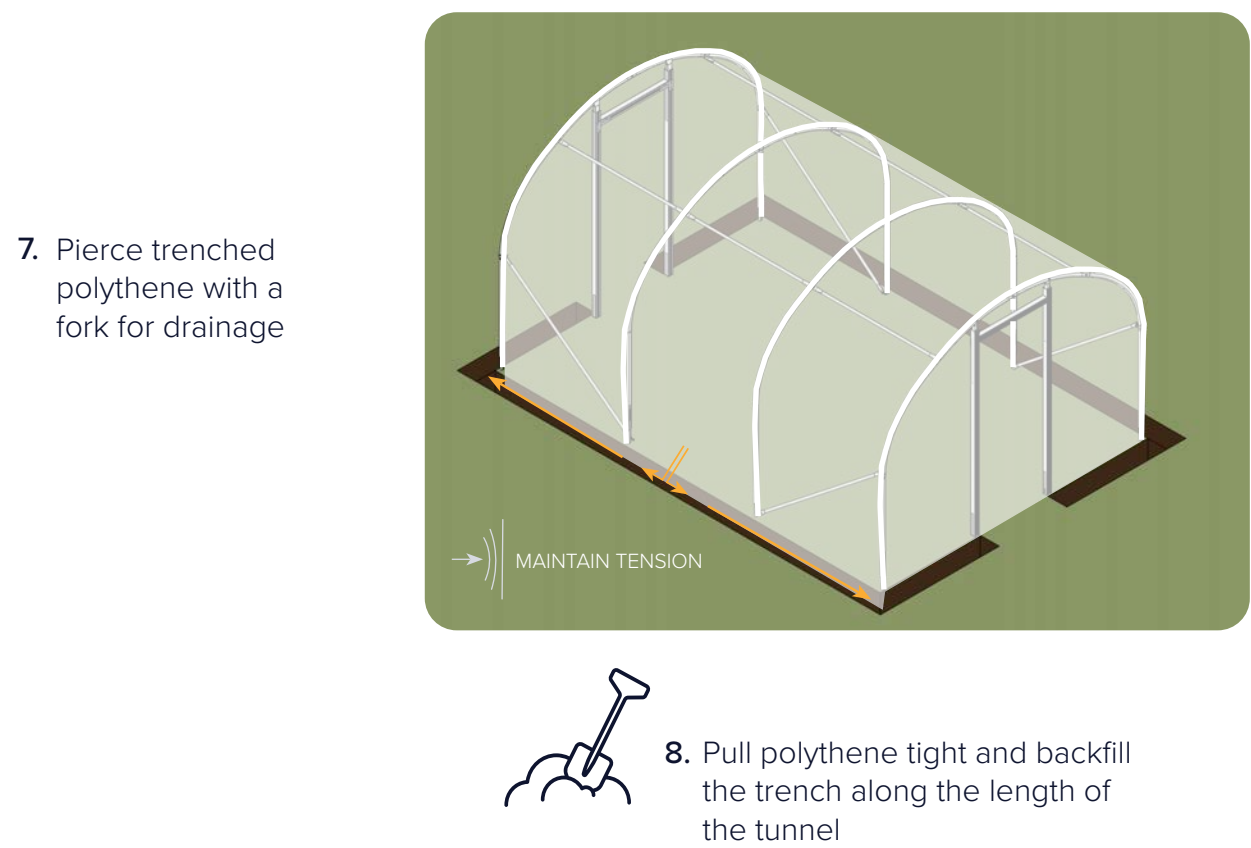
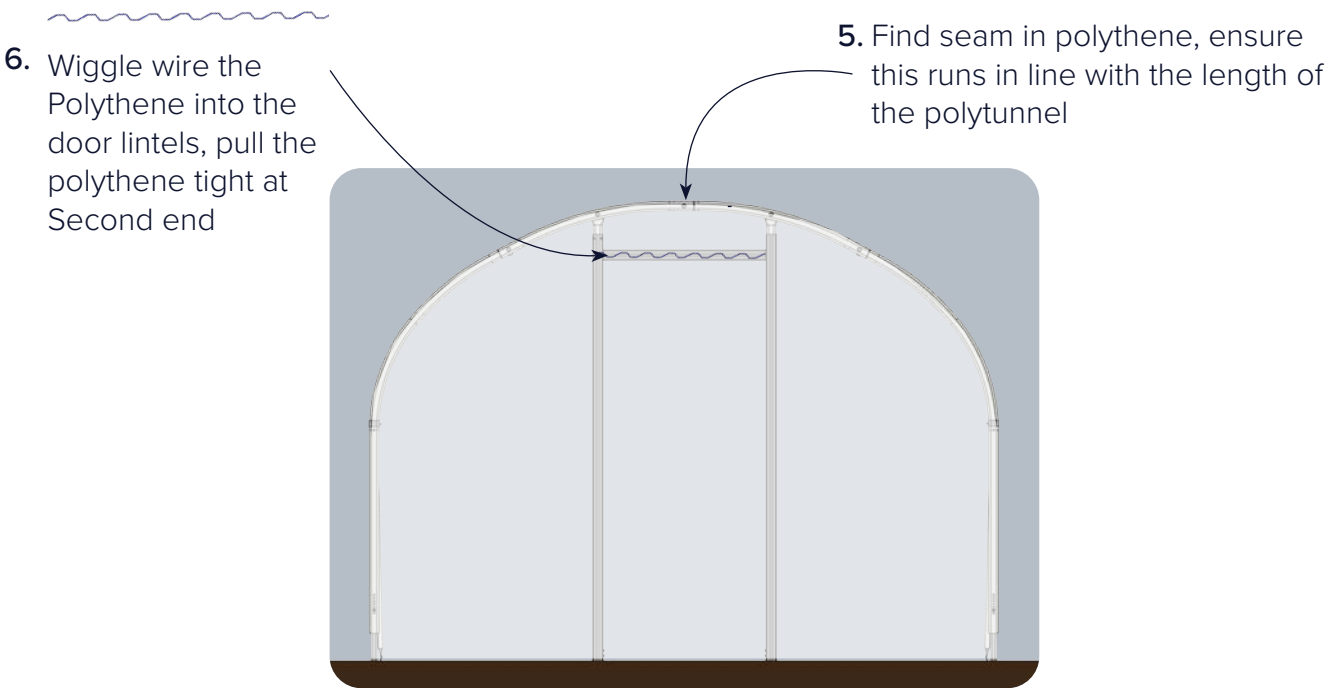
You must be able to read this from inside the polytunnel



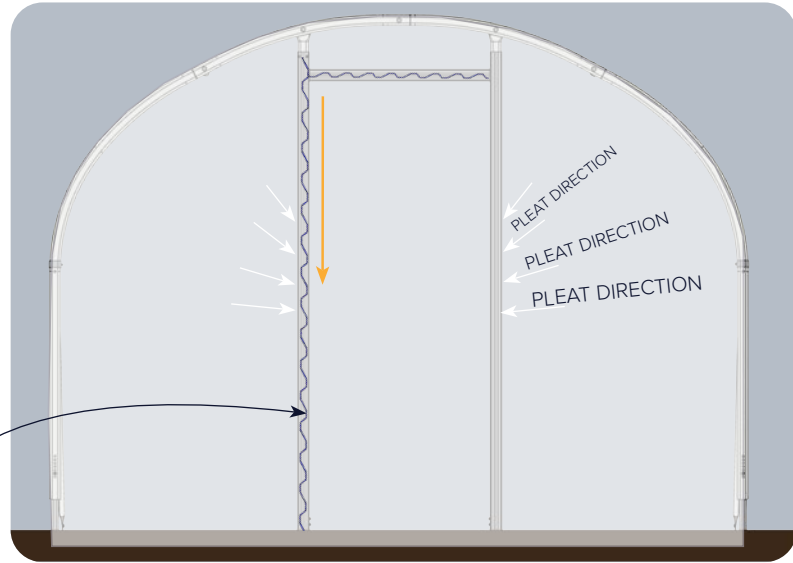
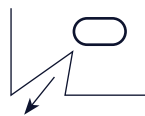
Note
Do not attempt if wind speed exceeds 15MPH!
Wind direction should stick the cover to the polytunnel



4. Pull polythene over polytunnel

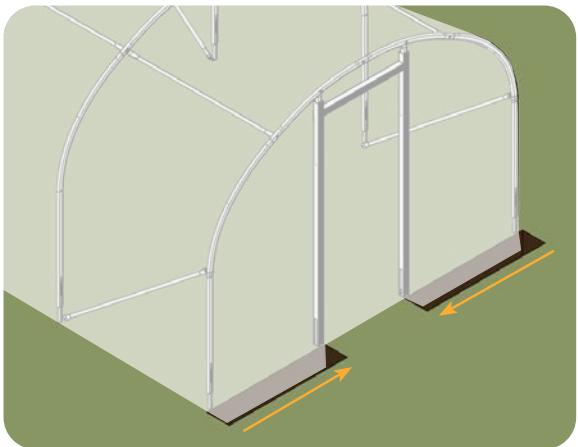


9. Cut polythene at corners



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

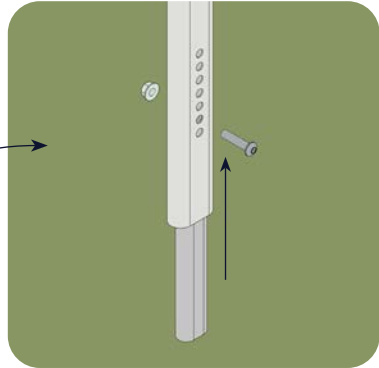
Pull the polythene across & down as you fix



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

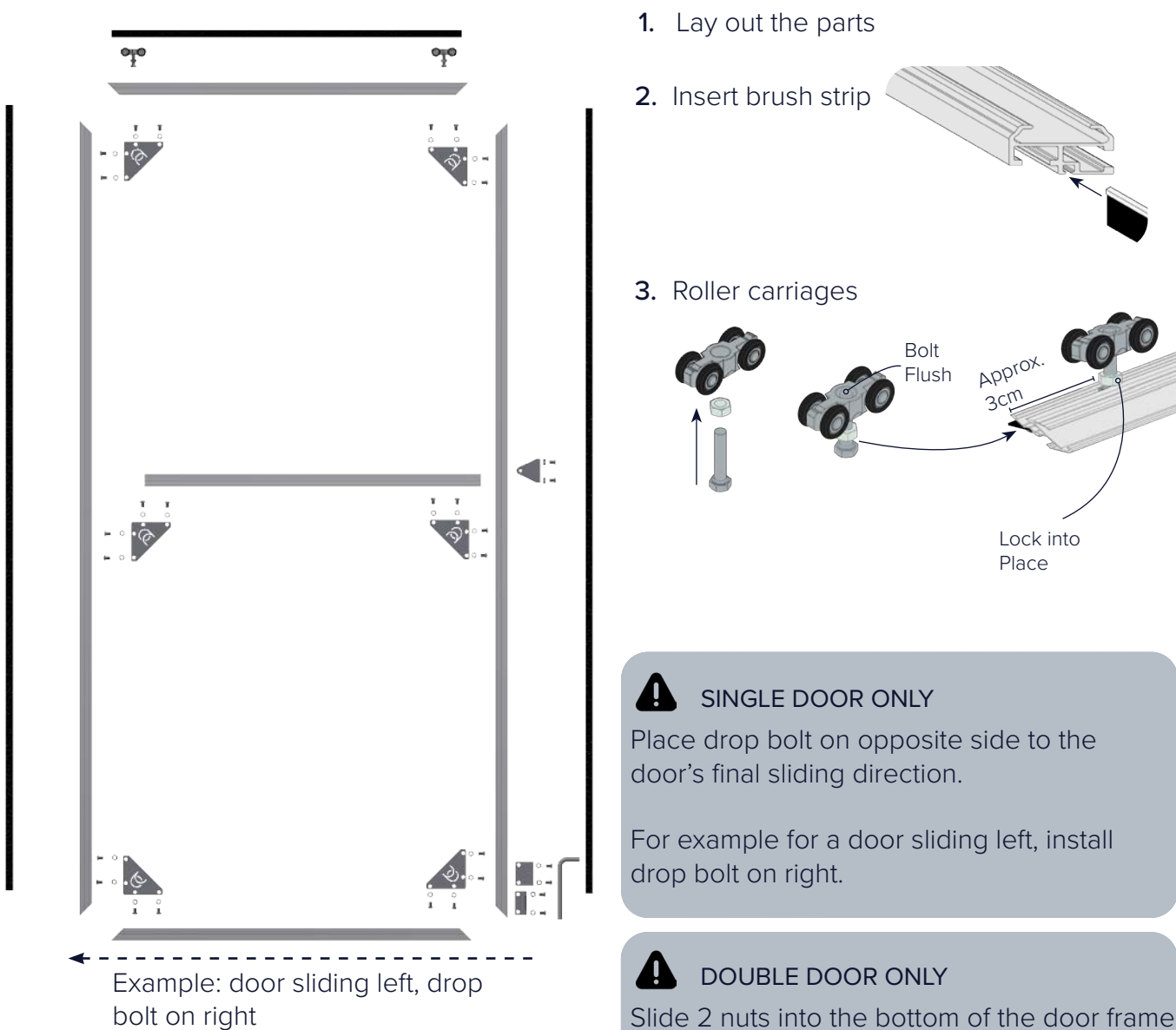
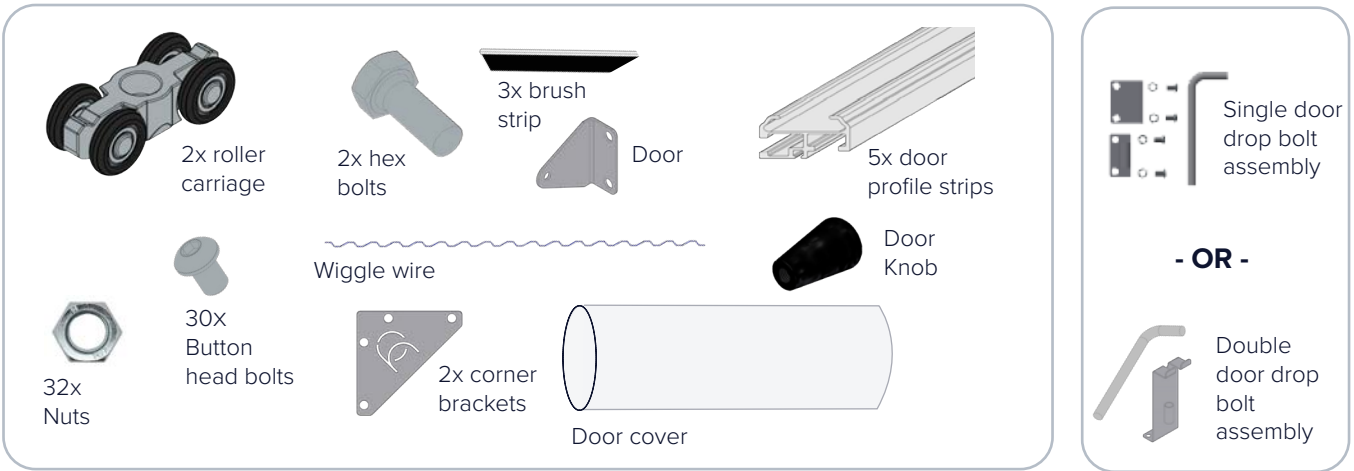
12. Add an additional layer of wiggle wire to the door frames for extra security

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



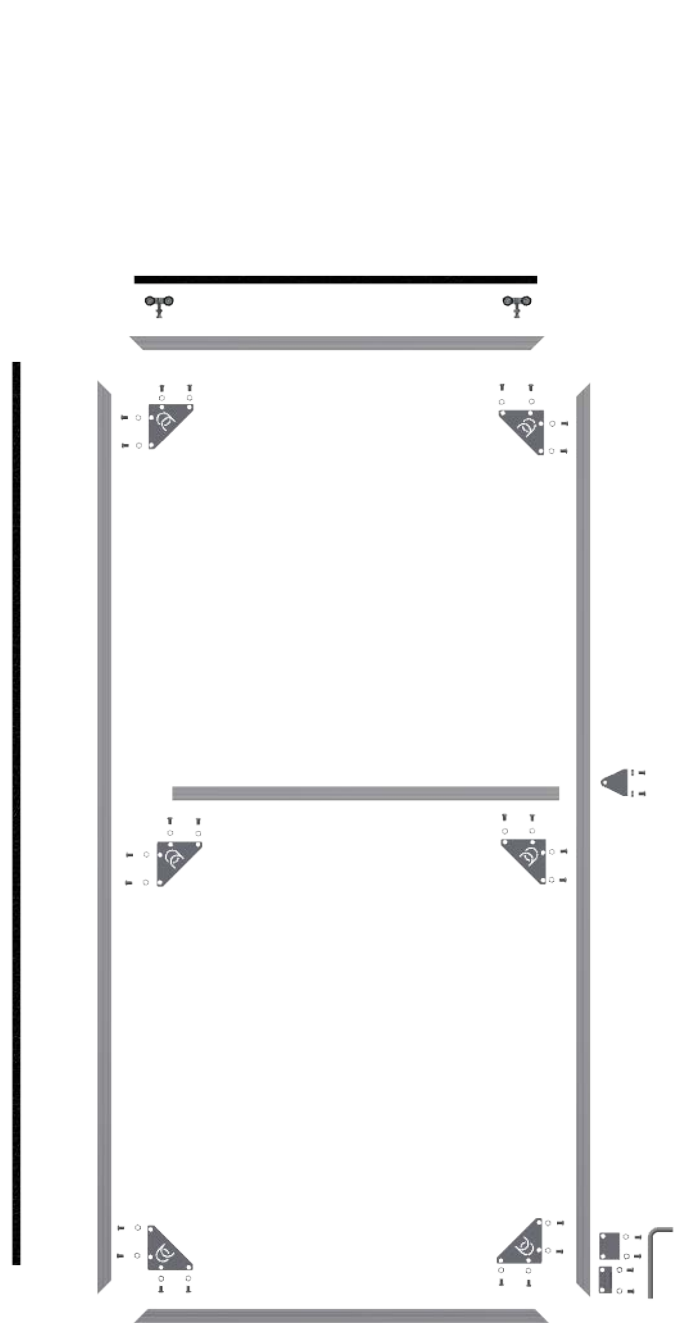
Trim any excess polythene & wiggle wire

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



! 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.



7. Check everything is square

Tighten

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

START HERE

Work down Both sides at the same time

FINISH HERE

MAINTAIN TENSION

Trim any excess polythene & wiggle wire

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

PER DOOR

4 X 19mm 6 X 25mm

1x 25mm door retainer

1x door retainer plug

1x door guide (left)

1x door Guide (right)

1x door guide

1.

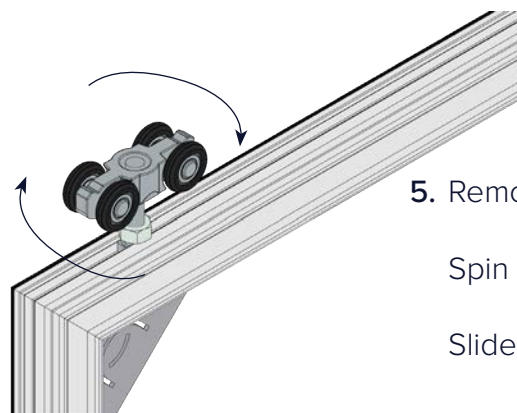
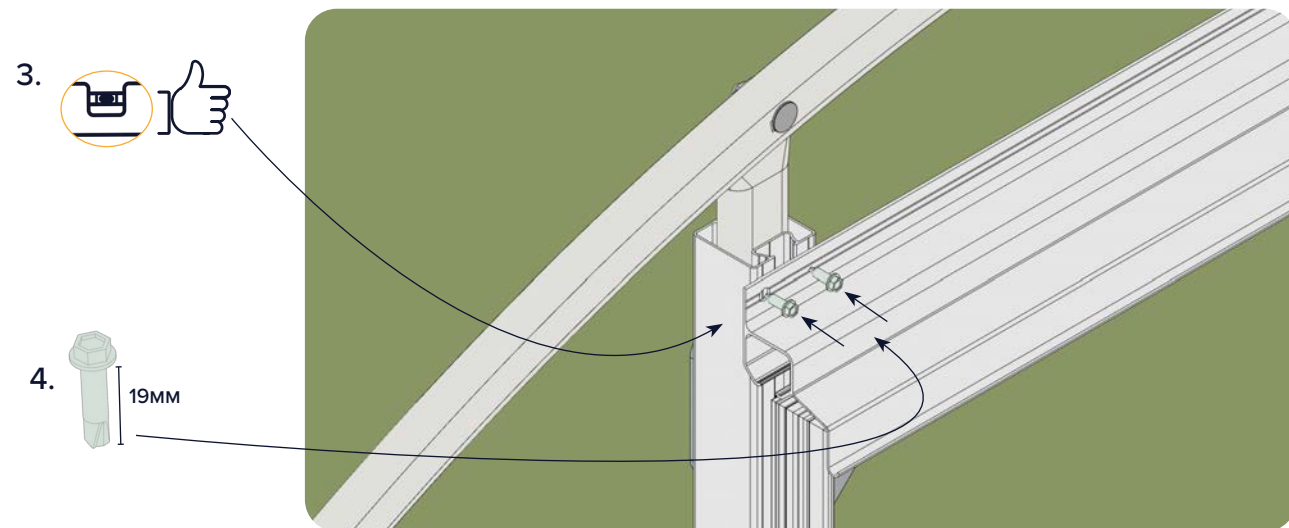
LEFT

RIGHT

2.

Slide door track onto door carriages of finished door assembly.

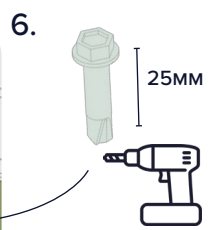
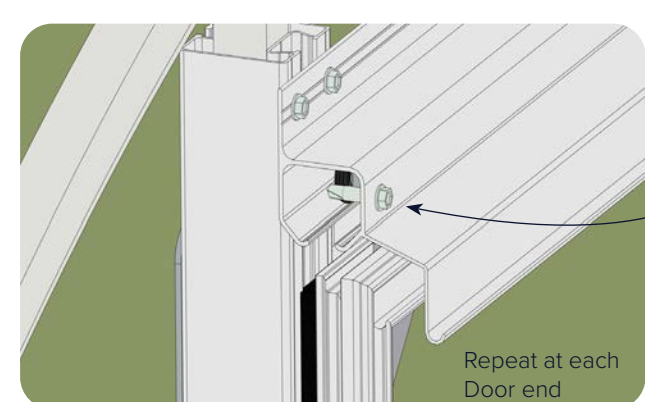
Place onto door guides



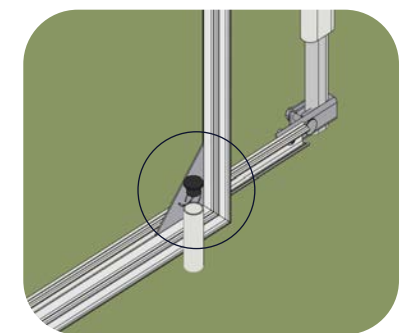
5. Remove door from track

Spin roller carriage clockwise 4 times

Slide door back into door track



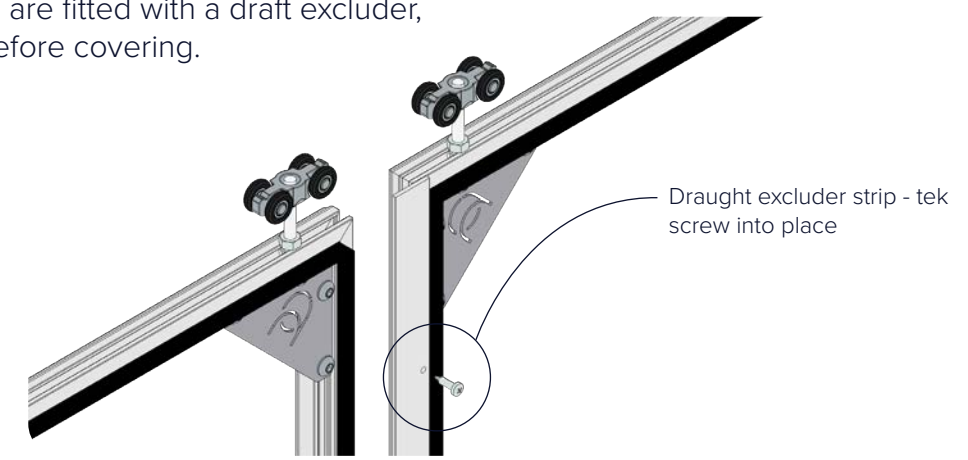
7. Hammer in door retainer & plastic plug



Double door build

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

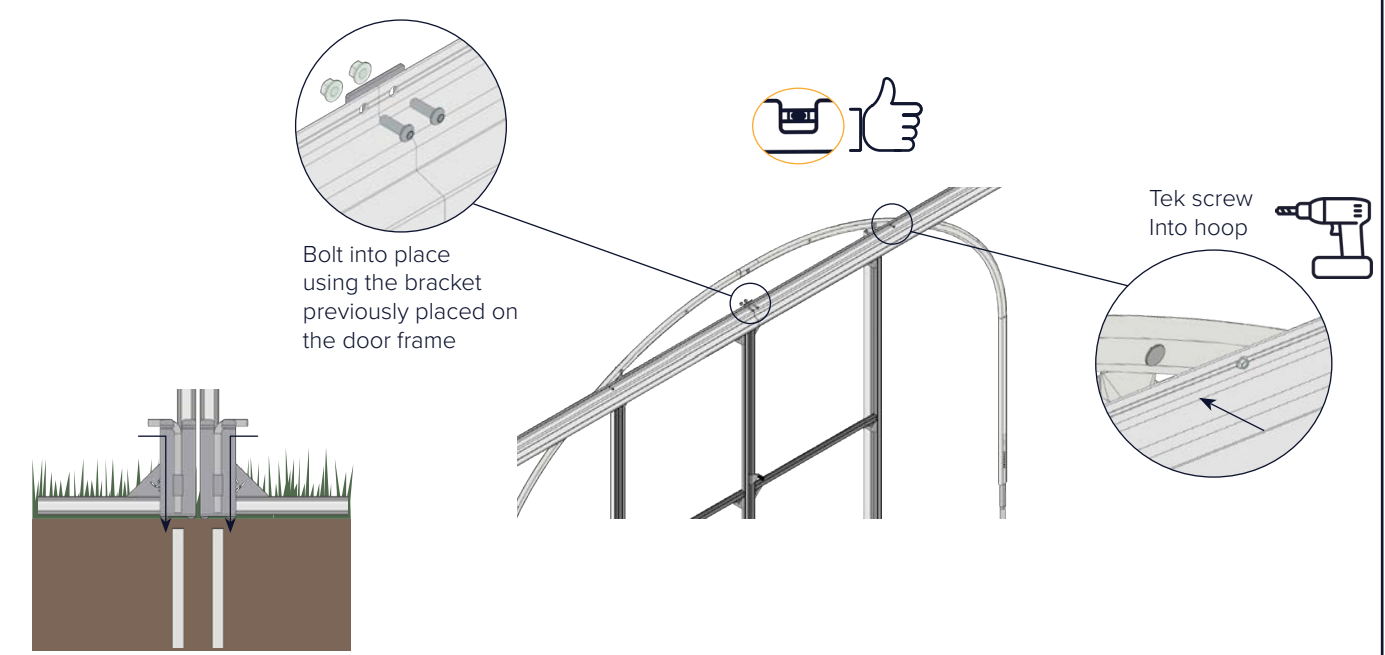
Double doors are fitted with a draught excluder, fix this strip before covering.



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

WIGGLE WIRE



PVC DOOR COVER

1. Place your pvc door with the removable panel facing the inside of the polytunnel

2. Ensure you have enough material to cover the bottom of the door

3. Wiggle wire the top section into your door frame

4. Wiggle wire the sides, work down both sides at the same time

5. Once happy trim off any excess fabric & wiggle wire

We constantly strive to improve our products and services.

We welcome any feedback about our brand new easy build.

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Design

Build quality

Instructions

Support & customer services

Please email:

marketing@npstructures.co.uk



Prefer to watch?

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



Help & Advice



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Built your EasyBuild?
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