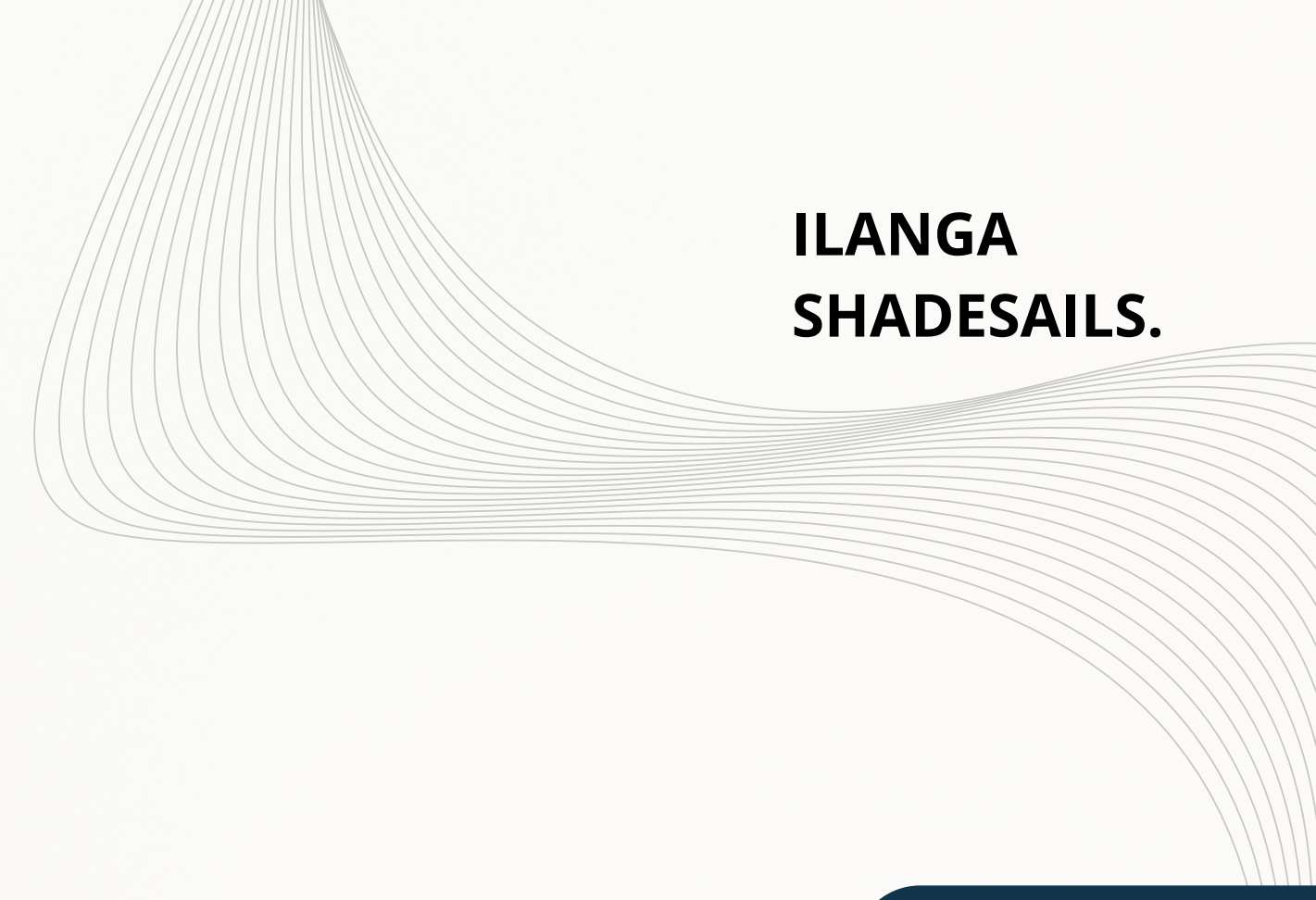
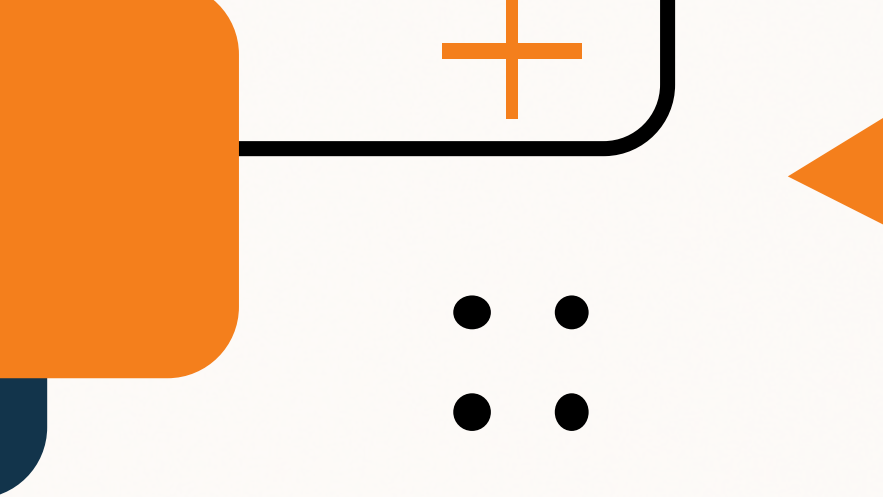
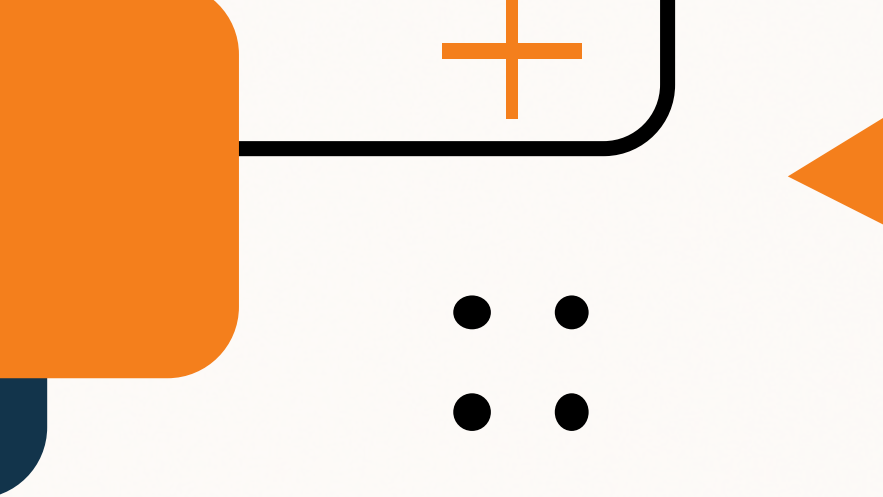




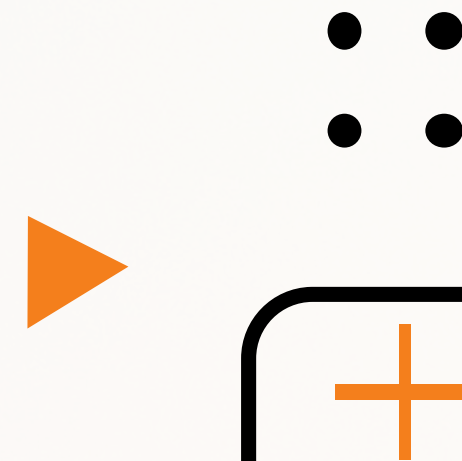
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DIY CARPORT KIT INSTALLATION MANUAL

A installation guide to erecting your DIY 1- or 2- bay carport structure, efficiently, correctly and professionally.

Presented by: **ILANGA**





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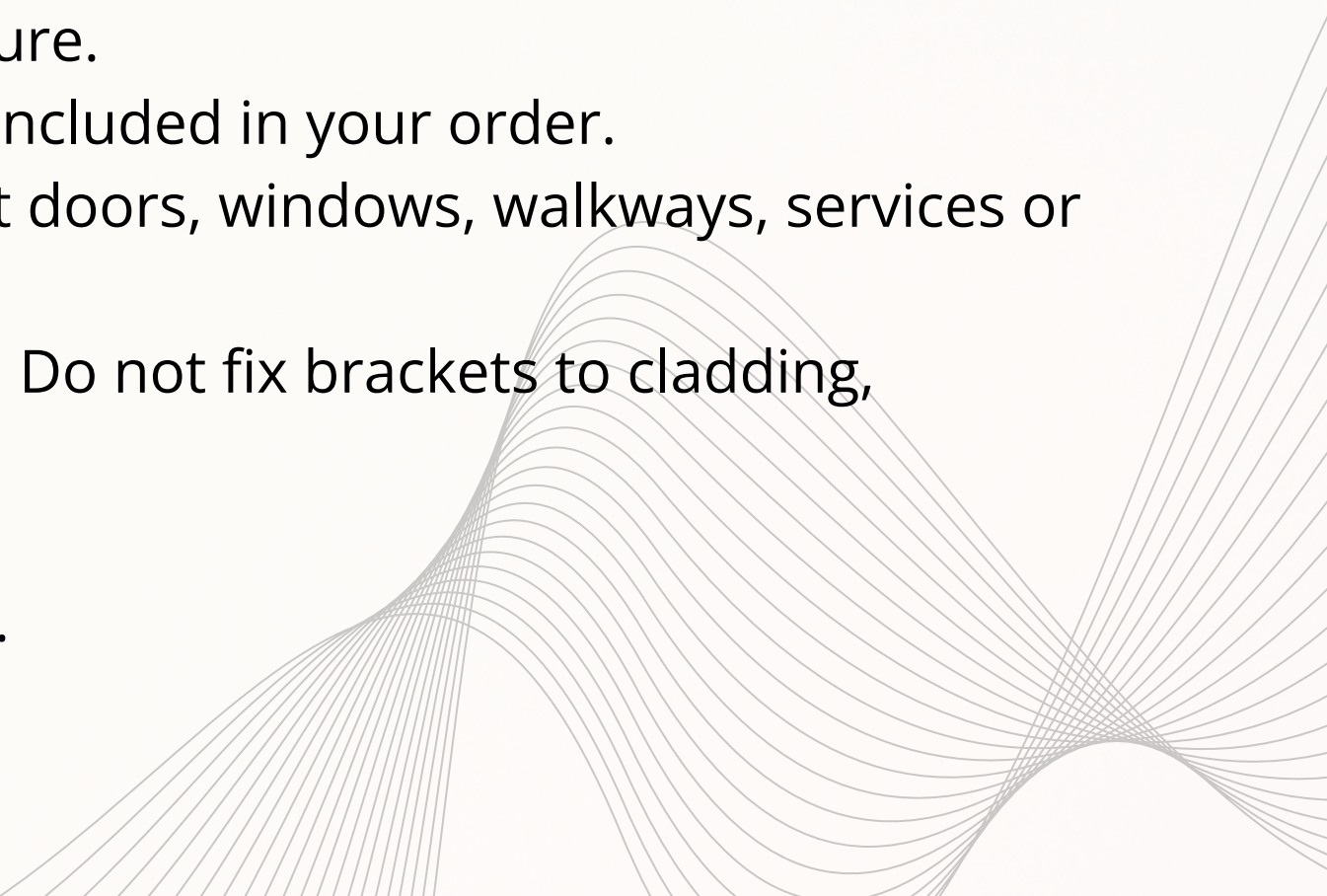
INSTALLATION MANUAL | SINGLE- OR DOUBLE-BAY

Read all instructions before starting. Keep this manual for future reference.

IMPORTANT SAFETY NOTICE

This kit involves overhead components, supporting structures, tensioning cable and work at height. Use at least two competent adults. Wear suitable gloves, eye protection and other PPE. Do not install in strong wind or wet conditions. Keep children and bystanders away. If you are unsure about the wall, ground, anchoring or local requirements, consult a qualified installer/engineer before proceeding OR contact us at 0122503200.

1. Before you begin

- The kit components shown on the packaging form the top dome/shade structure.
 - Upright poles and wall-mount brackets are sold separately unless specifically included in your order.
 - Choose a level, clear installation area and confirm the carport will not obstruct doors, windows, walkways, services or vehicle access.
 - Check that the wall (if using wall brackets) is structurally suitable for the loads. Do not fix brackets to cladding, plasterboard or other non-structural surfaces.
 - Check underground services before digging.
 - Confirm local building rules, boundary clearances and any required approvals.
 - Lay out all parts and identify the components before assembly.
 - Do not use damaged or bent parts.
- 

KIT COMPONENTS

COMPONANT	PURPOSE
Shade net	Provides shade and UV protection. 2-Bay carport net size 5.5m x 5m. 1-Bay carport net size 5.5m x 3m.
Steel cable	Runs through the hem of the shade net and is tensioned using the supplied clamps.
4 hoops / cross beams	Form the curved top structure.
Centre cross connector	Joins the hoops at the centre of the dome structure.
Cable clamps (2)	Secure the cable after it has been threaded and tensioned.
Support poles and/or wall-mount brackets	Support the dome structure; these are configuration-dependent and may be separate purchases.

Select the support configuration

- Choose the support arrangement that matches your installation and the components purchased. Confirm the exact configuration and fixing details before production.

Option 1: 4 upright poles.

Option 2: 2 upright poles and 2 wall-mount brackets.

Option 3: 1 upright pole and 3 wall-mount brackets.

Other arrangements may be possible only where specified and approved for the installation.

Do not mix support arrangements or improvise fixings. Use suitable structural anchors and fixings for the actual substrate; fixing type and size must be confirmed for the site.



OPTION 2: 2 wall- brackets; 2 upright pole

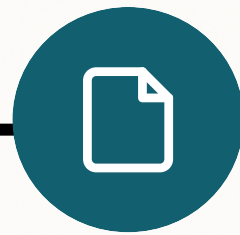


OPTION 3: 3 wall- brackets; 1 upright pole

From Task to Completion



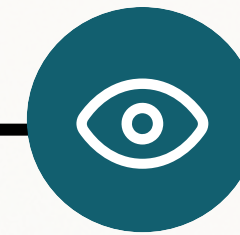
STEP 1 — Mark out the position



STEP 2 — Install the supports



**STEP 3 — Fit wall brackets
(where applicable)**



STEP 4 — Assemble the hoops



STEP 5 — Join the top at the centre

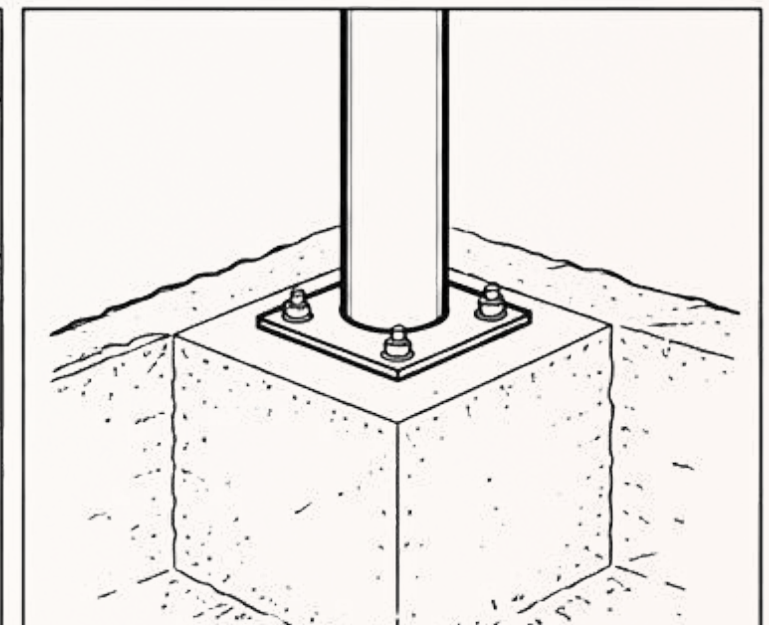
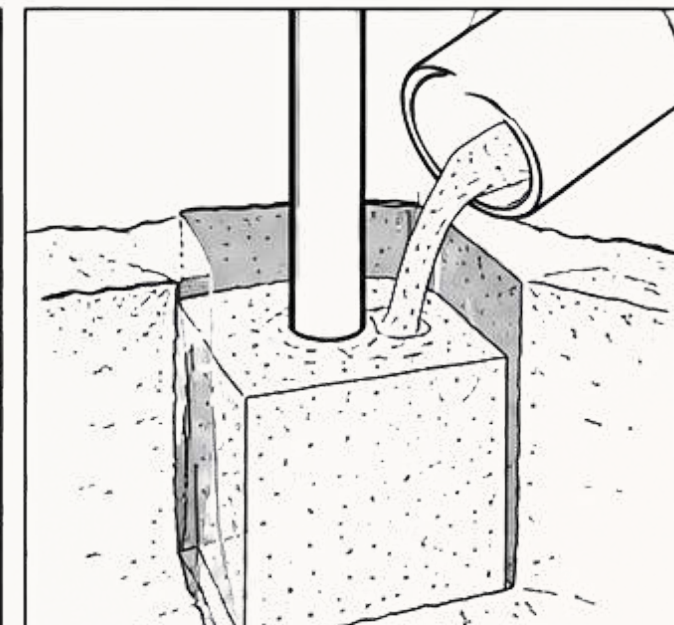
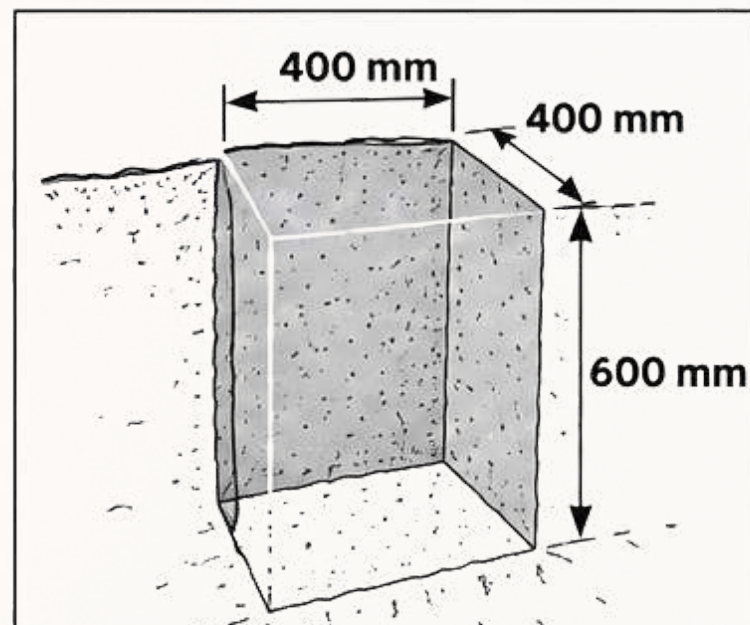
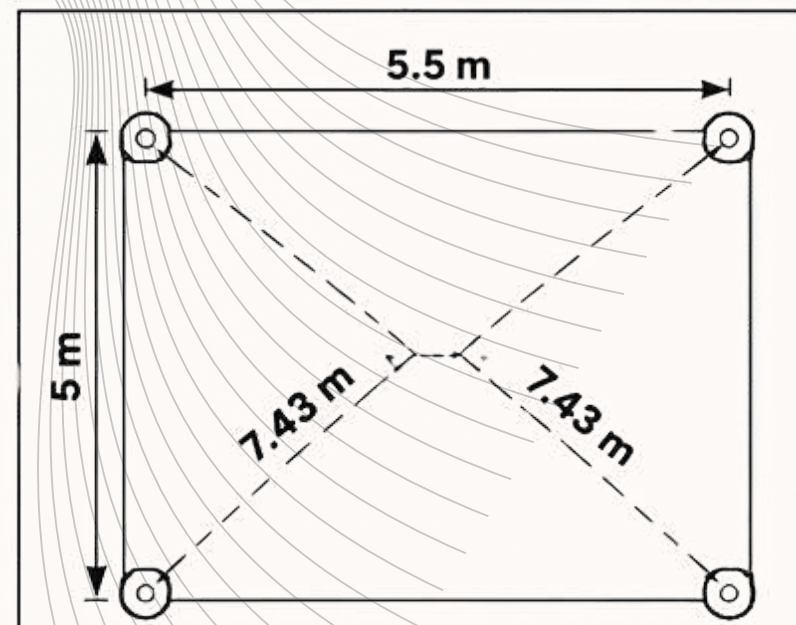
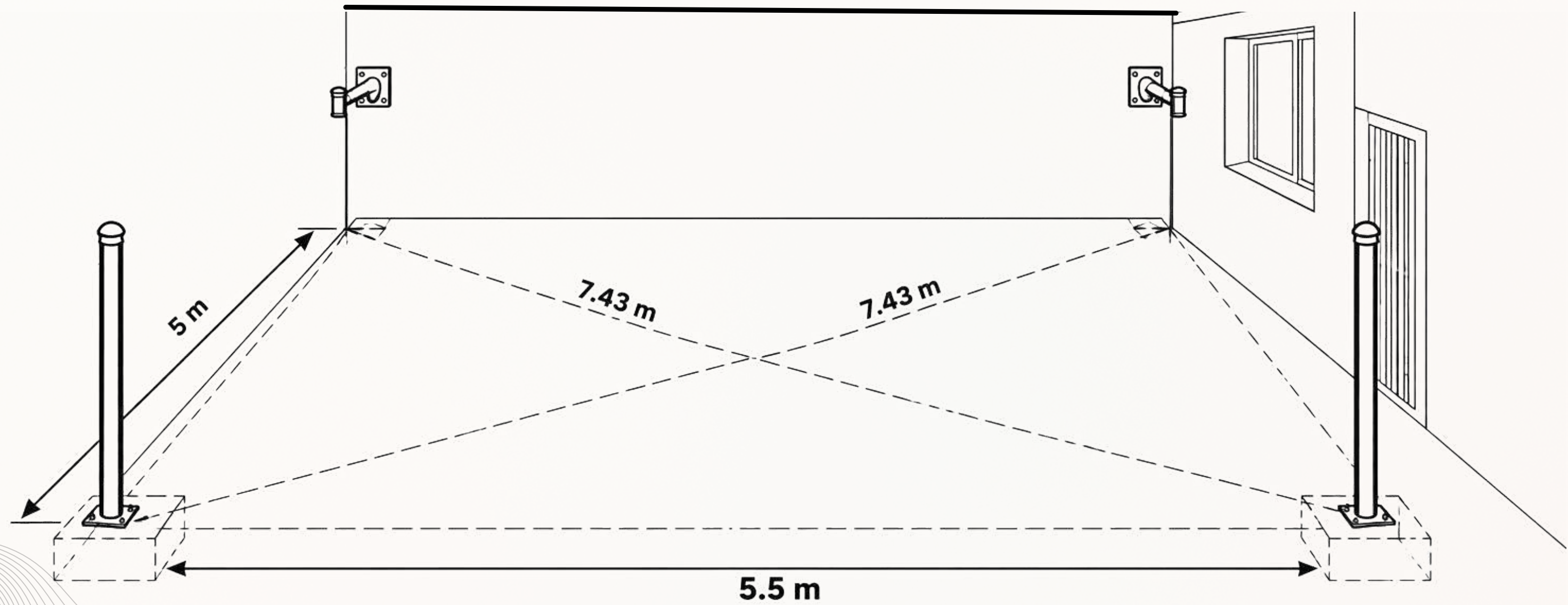
Mark out the position

Before assembling the carport, carefully measure and mark out the installation area.

1. Measure and mark the area: Measure and mark out a rectangular area of (2-bay carport) 5.5 m × 5 m /(1-bay carport) 5.5 m × 3m . Ensure the area is level, clear of obstructions and large enough to accommodate the vehicle(s).
2. Check the diagonal measurements: Measure diagonally from one corner to the opposite corner, then repeat for the other diagonal. Each diagonal should measure approximately 7.43 m. Both diagonal measurements must be equal to ensure the layout is square.
3. Mark the support positions: Identify and mark the exact positions for the upright poles according to your selected support arrangement. If wall-mount brackets are being used, mark their positions on the wall according to the approved installation layout.
4. Dig the pole footing holes: At each marked upright pole position, dig a hole approximately 400 mm × 400 mm × 600 mm deep. Before digging, check for underground pipes, electrical cables and other services.
5. Position the upright poles: Place each pole in its hole and ensure it is correctly aligned and vertical. Temporarily brace the poles to keep them securely in position while the concrete is poured and sets.
6. Pour the concrete: Fill each hole with concrete around the upright pole. Check that the poles remain vertical, correctly spaced and aligned before the concrete begins to set.
7. Allow the concrete to cure: Allow approximately 3 days for the concrete to cure before installing the top structure. Curing time may vary depending on the concrete mix, weather conditions and site requirements. Do not load or install the top structure until the concrete has gained sufficient strength.
8. Complete the final checks: Recheck the measurements, diagonal distances, pole alignment and support positions before proceeding to the next installation step.

Important: The footing dimensions, pole embedment and concrete curing period must be suitable for the site conditions and approved design. Confirm these specifications before installation. Do not proceed if the poles are unstable or the concrete has not sufficiently cured.

Mark out the position



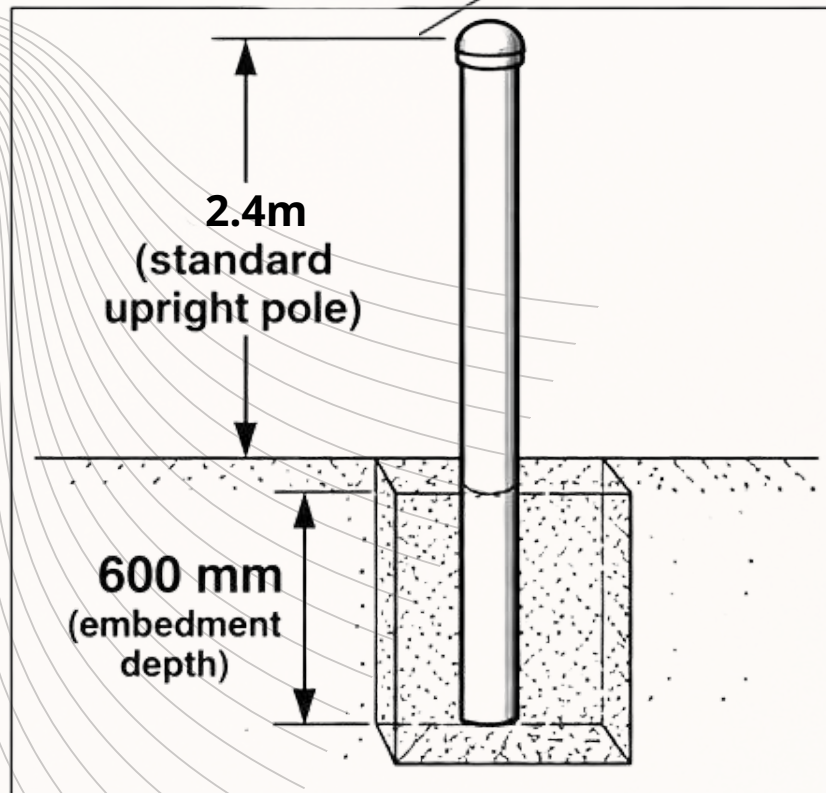
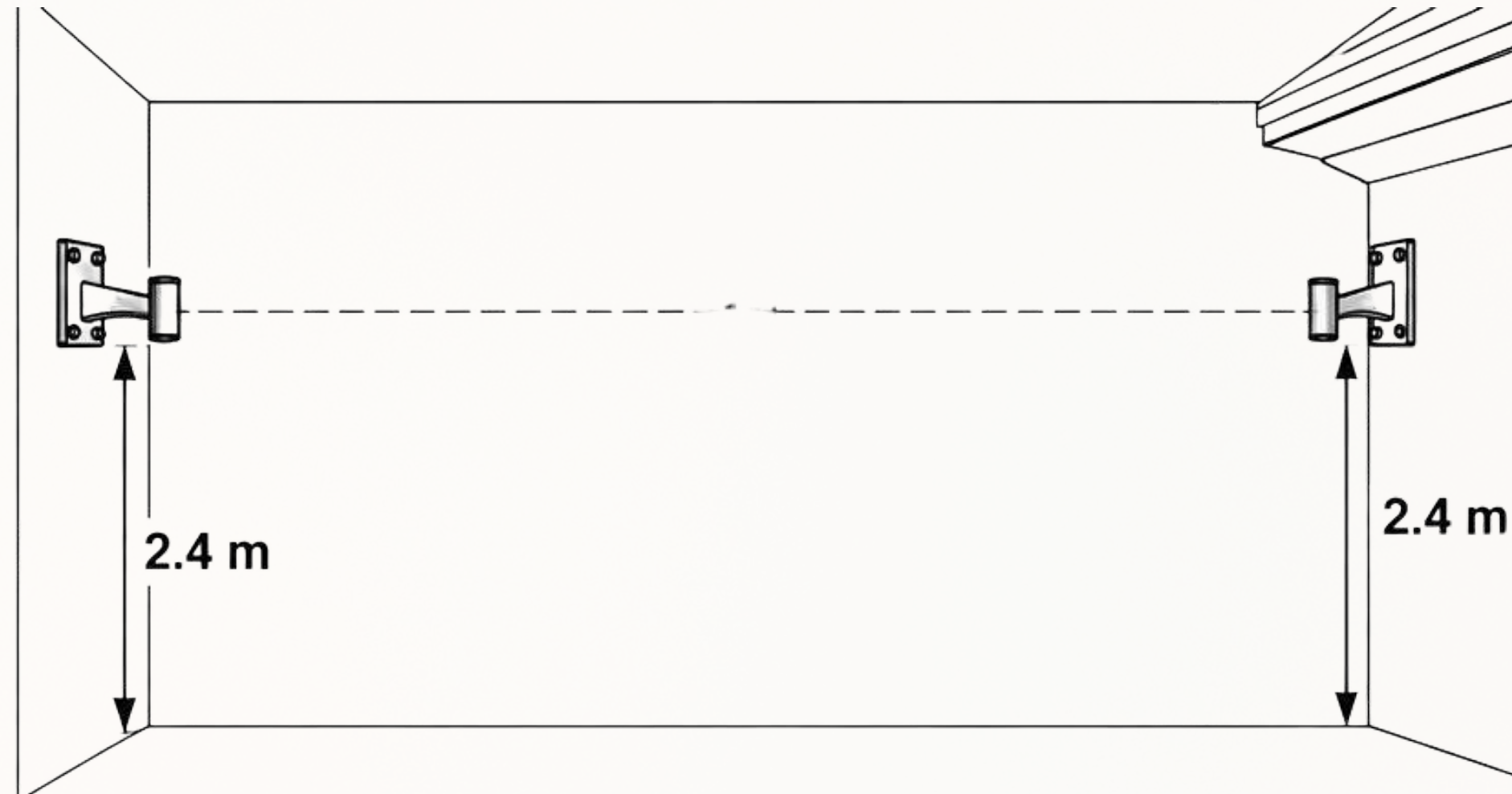
Fit Wall-Mount Brackets (Where Applicable)

Follow these steps when installing a carport using wall-mount brackets and upright poles.

1. Determine the bracket height: The standard upright pole is 3 m long. The height at which the wall-mount bracket must be installed depends on how deep the upright pole is planted into the ground.
2. Calculate the correct height: Subtract the pole embedment depth from the total pole length of 3 m. For example, if the pole is planted 600 mm (0.6 m) into the ground, the remaining height is 2.4 m. Therefore, the bottom of the wall-mount bracket must be marked at 2.4 m above ground level, as illustrated in the reference image.
3. Calculation: $3\text{ m} - 0.6\text{ m} = 2.4\text{ m}$
4. If a different embedment depth is used, adjust the bracket height accordingly. In general:
5. Bracket height = $3\text{ m} - \text{embedment depth (X)}$
6. Mark the bracket positions: Measure upwards from the finished ground level and mark the calculated height on the wall. Ensure the bracket positions correspond with the intended support layout and the carport structure.
7. Check alignment: Use a spirit level and measuring tape to ensure the brackets are correctly aligned and positioned at the required height. Double-check all measurements before drilling.
8. Secure the brackets: Drill the required holes and fasten each bracket to a structurally suitable wall using appropriate, correctly rated anchors and fixings. Tighten all bolts securely and check that each bracket is firmly attached.
9. Complete a final check: Confirm that the brackets are secure, level and correctly positioned before attaching the carport structure.

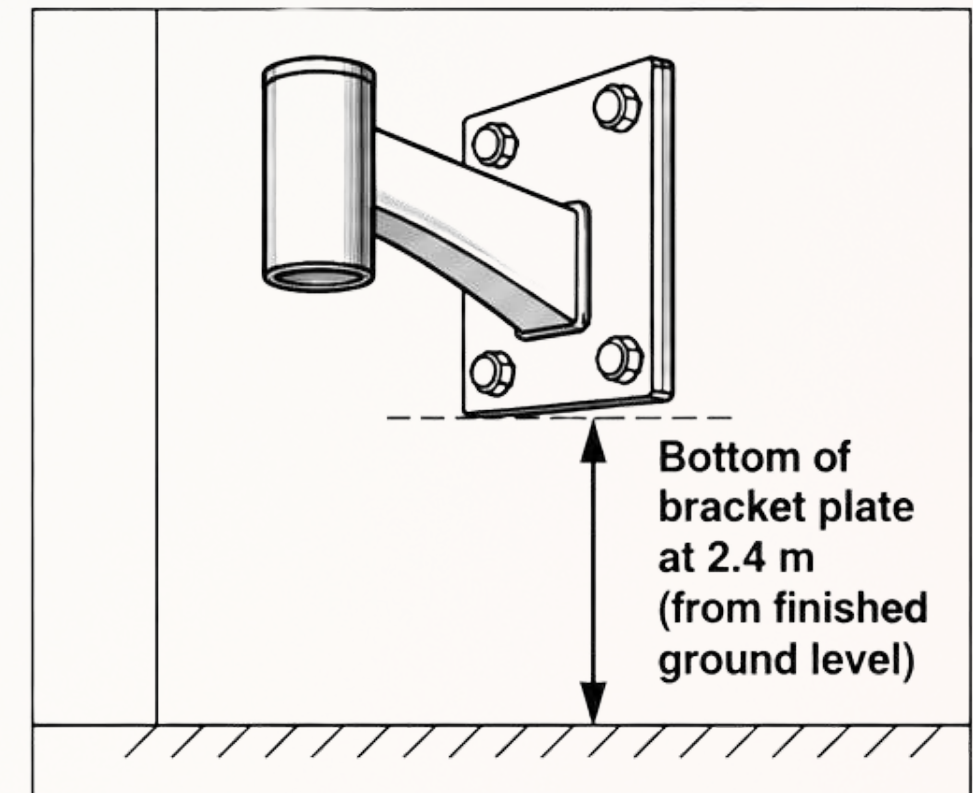
Important: The 2.4 m bracket height applies to a 3 m pole embedded 600 mm into the ground. The measurement must be taken from the finished ground level. Ensure the wall and fixings are suitable for the expected structural loads. If the wall construction or anchor selection is uncertain, consult a qualified professional before proceeding.

Fit Wall-Mount Brackets (Where Applicable)



**Bracket height
= 3 m – embedment depth (X)**

**Example:
3 m – 600 mm = 2.4 m**



Assemble and Install the Top Structure (Hoops and Centre Cross)

Once the upright poles and/or wall-mount brackets are securely installed and ready, you can begin assembling the top structure of the carport. This step forms the framework that supports the shade net and creates the dome shape.

Important: This step requires at least two people. Use a suitable, stable ladder and ensure the person working at height has a safe working position. Never attempt to lift or install the top structure alone.

1. Assemble the centre cross connector: Place the centre cross connector on a clean, level surface. Identify the four hoop ends and fit them into the corresponding openings in the connector, following the supplied component design. Ensure each hoop is inserted fully and that the four arms are correctly aligned to form the cross-shaped centre of the dome.
2. Assemble the first two hoops: Take the first two curved hoop sections and connect them to the centre cross connector to form the first sectional cross of the dome structure. Check that the hoop ends are fully seated in the connector and that the curved sections face the correct direction.
3. Position the assembled section for installation: With one person positioned centrally on a suitable ladder to support and stabilise the assembled cross, the second person can carefully lift and guide the hoop ends onto the designated upright poles or wall-mount bracket fittings.
4. Fit the hoop ends onto the supports: Carefully slide each hoop end into its corresponding support fitting. Work methodically, ensuring the person on the ladder maintains control of the centre cross while the second person positions the hoop ends. Do not release the structure until all intended connection points are properly seated and the assembly is stable.
5. Check the alignment: Once the first sectional cross is in position, check that the centre connector is correctly positioned, the hoops are aligned and all connections are fully engaged. Make any necessary adjustments before proceeding to the remaining hoop sections.
6. Continue assembling the remaining hoops: Repeat the assembly process for the remaining hoop sections, connecting them to the centre cross and fitting their ends onto the designated supports according to the kit design. Keep the structure supported throughout installation and do not leave partially fitted components unsecured.
7. secure the cross hoops to the cross, and the hoops to the upright pole or bracket with tek-screws.

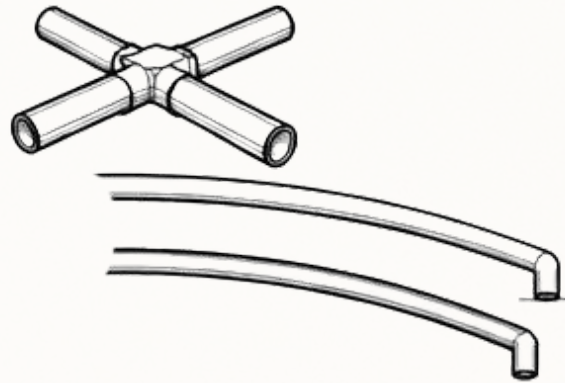
Safety precautions

- Have at least two people available to lift, position and support the framework.
- Use a stable ladder on firm, level ground, and never overreach.
- Keep people clear of the area beneath the structure while it is being lifted.
- Do not force the hoop ends into the fittings, bend the steel components or modify the supplied parts.
- Do not proceed to the next step until all connections are correctly seated and the framework is stable.

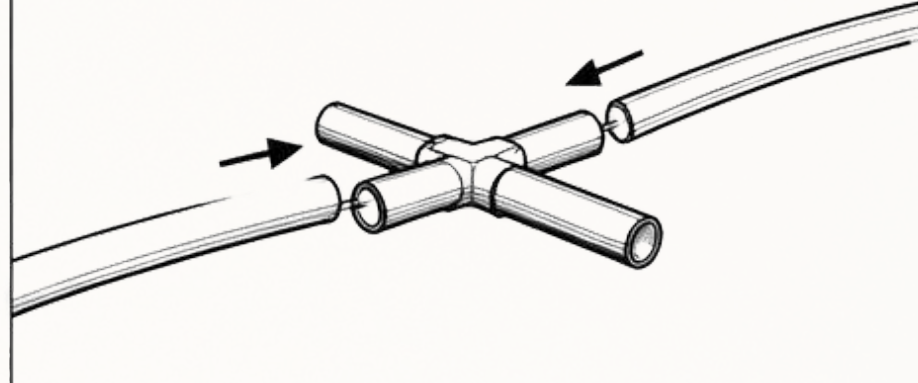
Before proceeding: Confirm that the complete top framework is correctly assembled, securely connected to the supports and ready for the shade net installation.

Assemble and Install the Top Structure (Hoops and Centre Cross)

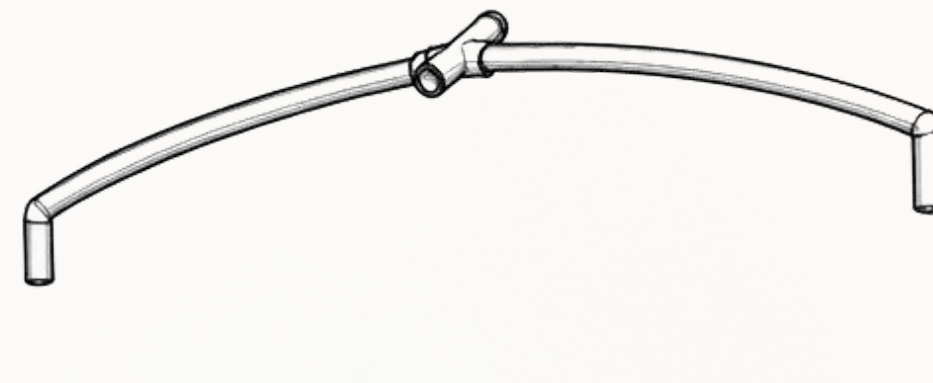
1 Centre cross connector and hoop sections



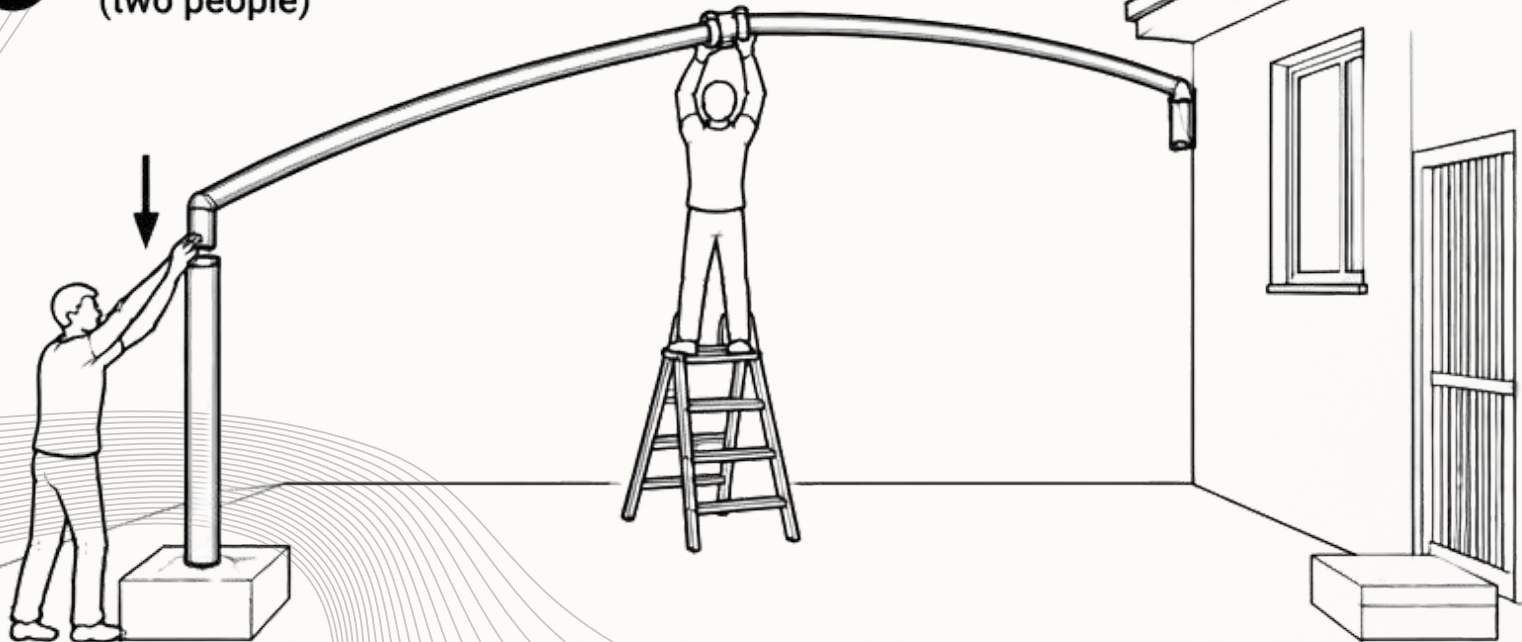
2 Insert the first two hoops into the cross connector



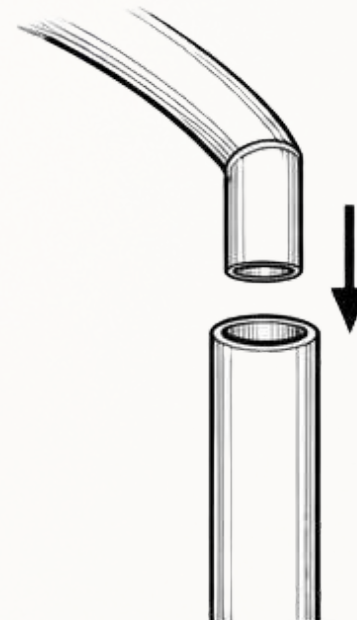
3 First sectional cross assembled (front left to back right)



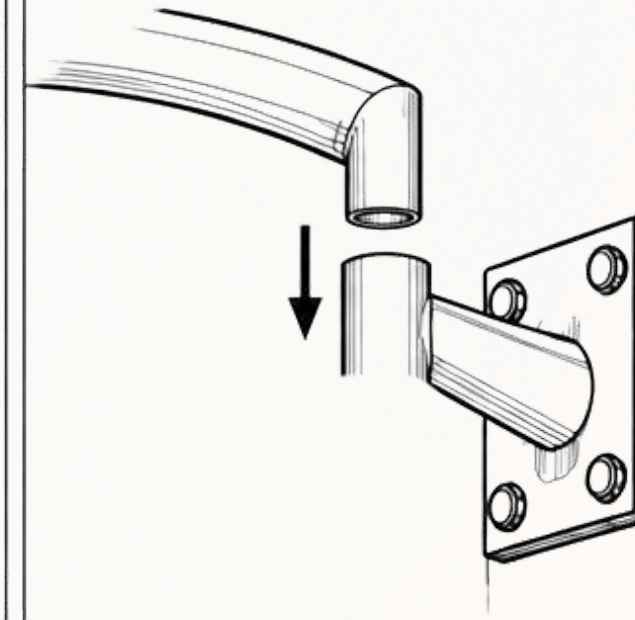
4 Lift the assembled cross into position (two people)



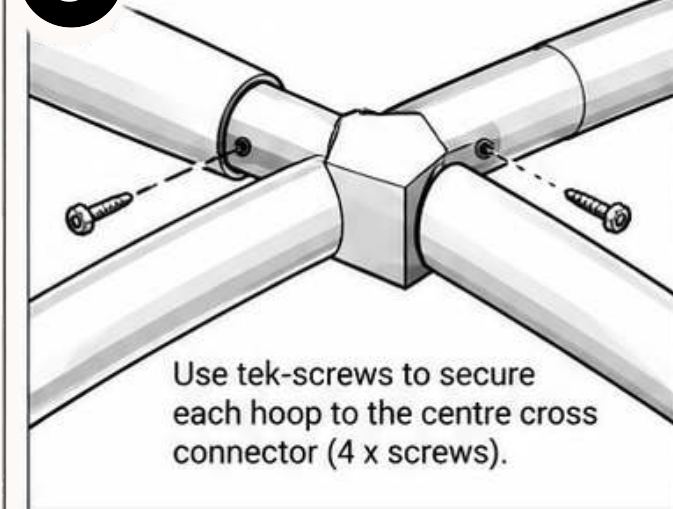
5 Slide hoop end onto upright pole



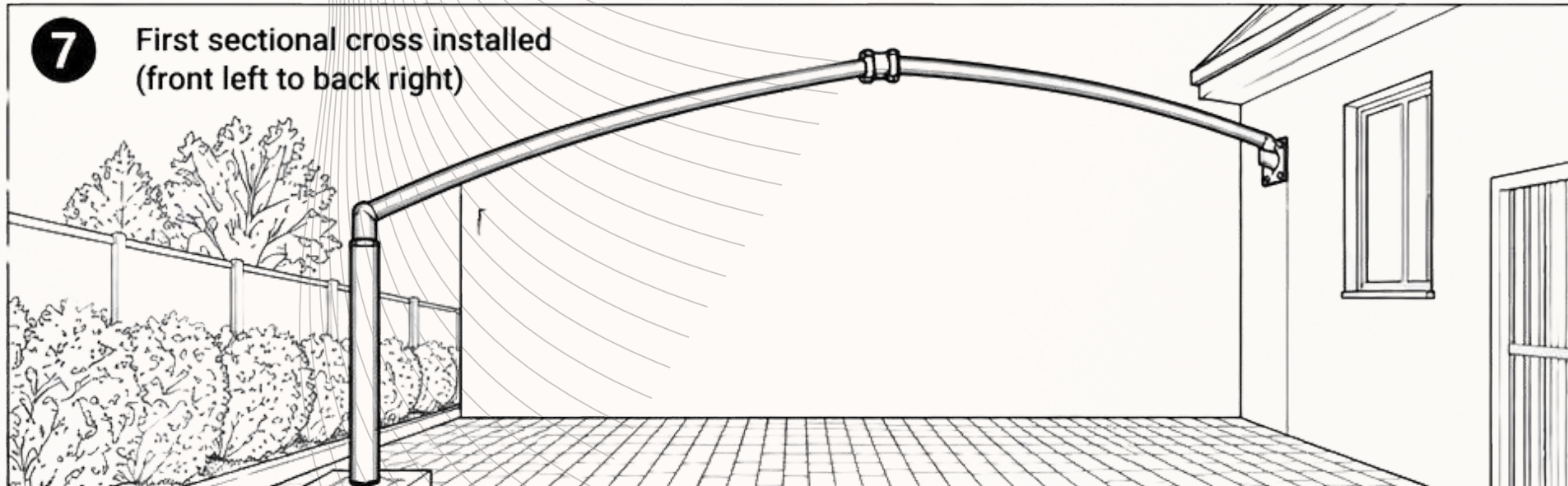
6 Slide hoop end onto wall bracket



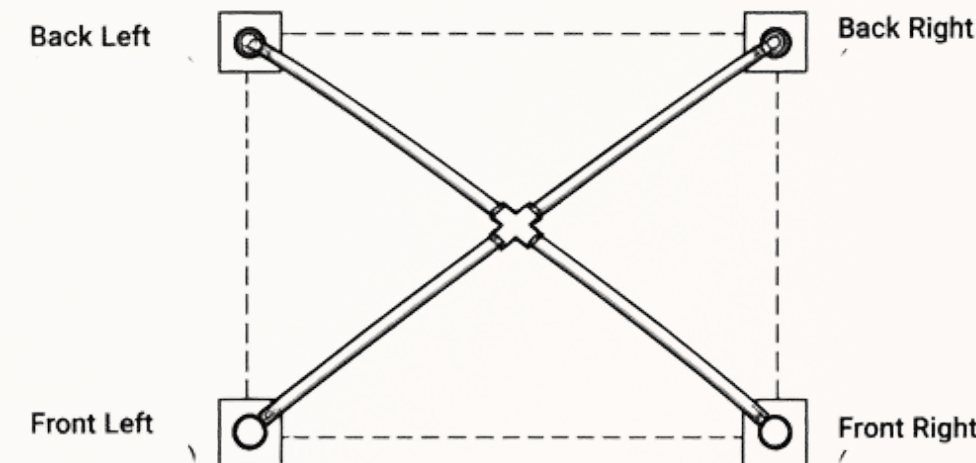
9 Secure with tek-screws



7 First sectional cross installed (front left to back right)



8 Top view (diagonal cross section)



9 Secure hoop end to wall bracket



Thread the Steel Cable Through the Shade Net & Connect and Tension the Steel Cable

1. Unroll the shade net on a clean, flat surface and spread it out fully without twisting or folding it.
2. Locate the reinforced perimeter hem and carefully feed the supplied steel cable through it, following the intended path around the net.
3. Continue until the cable runs through the required perimeter hem. Keep the cable free from kinks, sharp bends and twists, and protect the net from sharp edges.
4. Check that the cable is correctly routed and the net is ready to be fitted. Wear suitable protective gloves when handling the cable.
5. Lay the net out without twisting it. Feed the steel cable through the net's perimeter hem as intended. Keep the net clear of sharp edges and avoid kinks in the cable
6. Bring the cable ends together at the designated connection point and fit the supplied cable clamps according to their intended arrangement.
7. Tension the cable gradually and evenly. Avoid sudden pulls and excessive force.
8. Check that the net remains evenly spread and that the cable does not pull the hoops, centre cross, poles or wall brackets out of alignment.
9. Check that the clamps are secure and that the cable cannot slip. Do not overtighten.

WARNING: Keep hands and face away from tensioned cable and cable ends. Do not stand in line with a tensioned cable, as it may recoil if a connection slips or fails.

Connect the cable ends using the supplied clamps. Tension gradually and evenly, checking that the net sits correctly and the structure is not being pulled out of alignment. Keep hands and face away from tensioned cable. Do not overtighten.