



# Anchor Base

For sheds and garden rooms



At Anchor Systems we have developed an anchoring solution ideal for securing smaller temporary and permanent structures such as shed bases. Our system eliminates the need to use a traditional concrete base and the associated draw backs there are with using concrete.

Our anchors require no heavy machinery, and if required, can be carried through the house and installed by hand, or using hand held equipment with no soil disturbance or mess.

Compared to traditional wet trade methods of laying foundations our anchoring system is far quicker and easier to install, requires no drying time or earth removal and comes with the added benefit and option to remove the structure and return the ground to its original state.

## BENEFITS AND FEATURES

### Speed

An average size garden room base and shed can be ready for the timber part of the installation in 1-2 hours as opposed to multiple days.

### Ease of Installation

Any person with a small amount of DIY knowledge will be able to use this system.

### Cost

The Anchor Base system is more cost effective for these types of structures than using a traditional concrete base. The larger structure – the larger the saving over concrete.

### Drying Time

There isn't any so the work force on site can continue building without the need to wait for the concrete base to dry and cure, making the installation quicker and more efficient to erect.

### Mess

There is none. Drive the Anchor Base without any digging or site disruption.

### Waste Materials

There are none. There will be no wasted aggregate and other waste products and spoil associated with a traditional concrete base.

### Earth Removal

There is none. No need to pay for costly skips or lose earth in other areas around the structure.

### Convenience

This system allows you to move the position of your structure if required or remove it all together without the need to break up concrete.

### Green

As concrete isn't being used the Green benefits are obvious. Anchor Bases are manufactured from 60% recycled steel and can be removed and recycled again if need be. The manufacture and transport of concrete has large negative environmental impact.

### Access

All parts and equipment can be easily carried to the location without the need to protect surfaces. A concrete base would require the access to site to be protected from damage from a wheelbarrow or the movement of aggregates and associated materials and mixing equipment.



# Anchor Base

The design and installation methodology have been specifically designed for lightweight sheds and garden rooms as a quick and cost-effective alternative to traditional installation methods. The Anchor Base installation methodology uses a wooden framework to support the prefabricated floor panel of your shed or garden room.

This is for 3 reasons:

1. To distribute the weight evenly across the anchors.
2. Allows the shed or garden room to sit directly on wood rather than a surface that will promote degradation.
3. Allow the installer to finish the look of the shed with consideration to height and ascetics.

The installation methodology is for an 8ft x 6ft (2400mm x 1800mm) shed. Proposed Anchor positions for other shed sizes and shapes are listed below.

**Note:** The positions of the anchors indicated in this documentation are recommendations only and it is the liability of the installer to determine the exact positions of the anchors, making sure that the framework is fully supported and that there is no more than 1500mm, centre to centre, between any two anchors.

## TOOLS REQUIRED

- 6ft level
- Boat level
- Tape measure
- Hand saw
- Pencil
- Screwdriver
- Hammer / Post rammer
- AB1000 Drive Rod
- Marking spray

## MATERIALS REQUIRED

(QUANTITY WILL VARY DEPENDING ON THE SIZE OF SHED)

- 4x2 (100mm x 50mm) wood for framework
- Wood screws
- Anchors

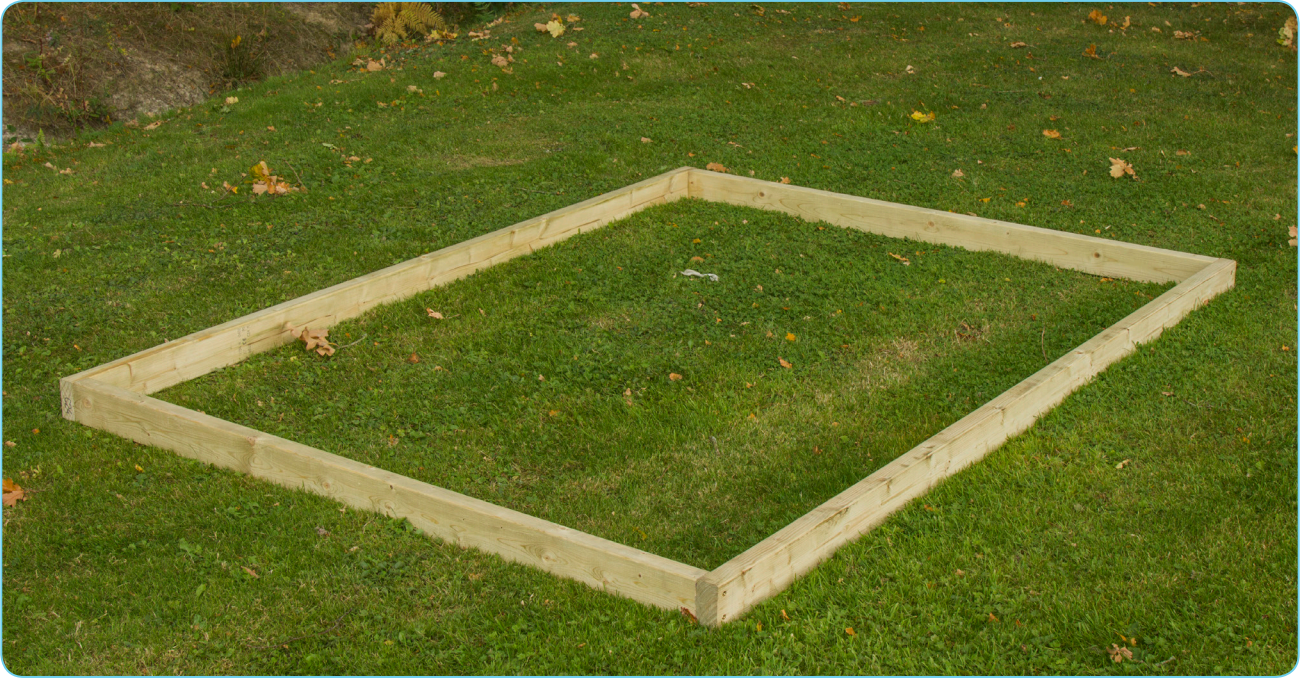




# Installation Method

**Note:** This Installation methodology is based on a 6x8ft shed base, further specific shed base layouts are available from [info@anchorsystems.co.uk](mailto:info@anchorsystems.co.uk)

1. Build the outside framework with due consideration to ascetics. No internal braces or trimmers should be fitted at this stage, although, you may want to cut as many as is required to size.
2. Position the framework exactly where it is required.



3. Using the marking spray, mark the ground on the internal corners of the framework





# Installation Method

4. Whilst the framework is still in position, measure 350mm from the outer side of the framework base and 200mm from the front edge of the framework base and mark with spray. Repeat for two centre points of the framework.



5. Remove framework and place out of the way and you should be left with marks on the ground of 4 'L' shaped marks and 6 spots (depending on the size of shed)





# Installation Method

6. Consider the finish height and drive the anchors through the spot marks to the required depth. The underside of the circular plate should always be in contact with the ground. Exact methodology for driving anchors is documented below.

Hand Held Equipment

OR

Hydraulic Breaker



7. After all the anchors have been driven to the required depth, place the internal corners of the framework in line with the 'L' shaped marks on the ground.





# Installation Method

8. Place the wooden trimmers across the centre holes of the anchors making sure your frame doesn't move.
9. Screw these trimmers in place to the framework.



10. Add timbers as required for robustness of framework – normally every 400mm. This task can also be done after task 13 if preferred.
11. Shift the framework slightly to allow access to anchors and place the bearing plates into aperture of the anchors.





12. Place framework on to the bearing plates and line internal corners with 'L' shaped marks.



13. Fix the wooden framework to the bearing plates using wood screws.

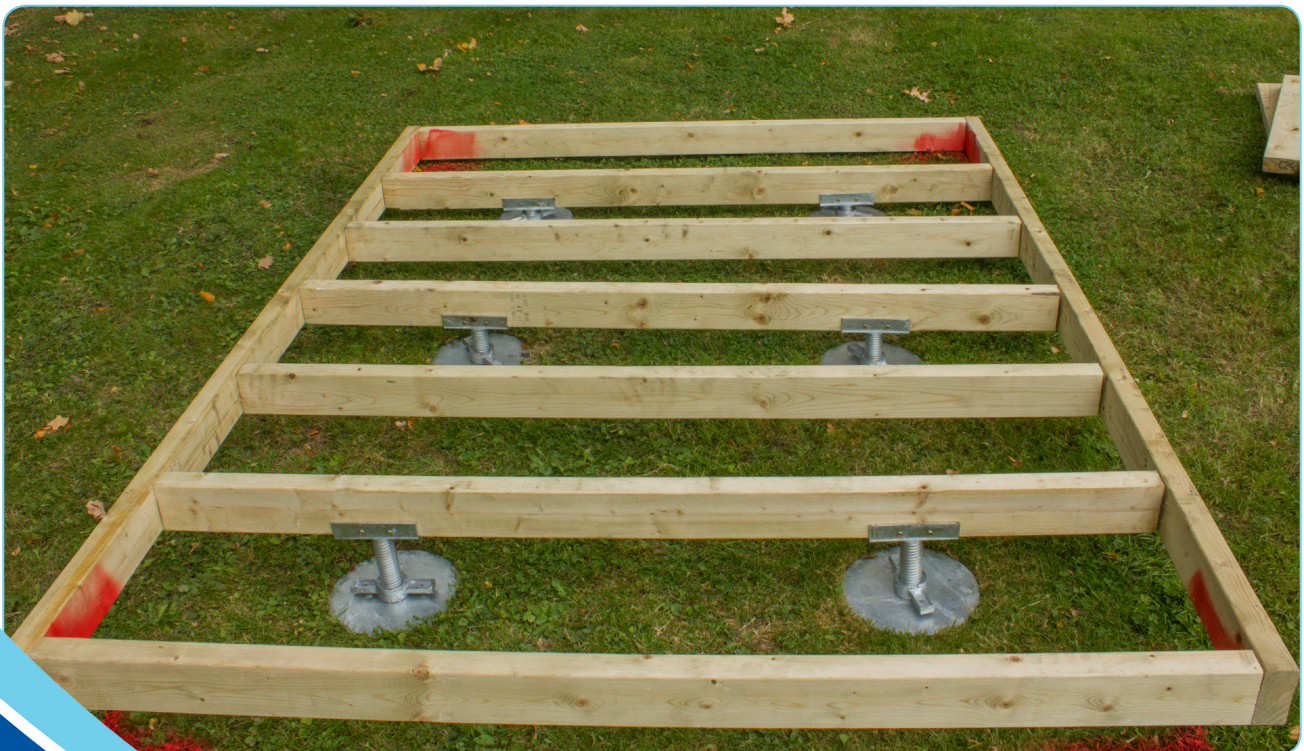




14. Check level and adjust bearing plates to achieve a good level in all directions.



15. Start your shed build!





# Anchor Installation

Depending on the hardness of the ground, you may choose to use a hydraulic breaker to speed up the installation process.

## INSTALLATION METHODOLOGY TO DRIVE ANCHORS

FIG 1.



1. Position the bottom point of the anchor on top of the spot mark on the ground.
2. Insert drive rod. (Fig: 1)
3. To establish the drive position lift and force the drive rod down into the aperture of the anchor to force the anchor into the ground. (Fig: 2)
4. Repeat until the anchor has a firm establishment into the ground and use the boat level and adjust anchor accordingly. (Fig: 3)
5. Repeat action, using a maul hammer or post rammer if required, until the flat round plate is fully in contact with the ground and the is reasonably level. Exact level is not required. (Fig: 4)
6. Repeat for all anchors.

FIG 2.



FIG 3.



FIG 4.

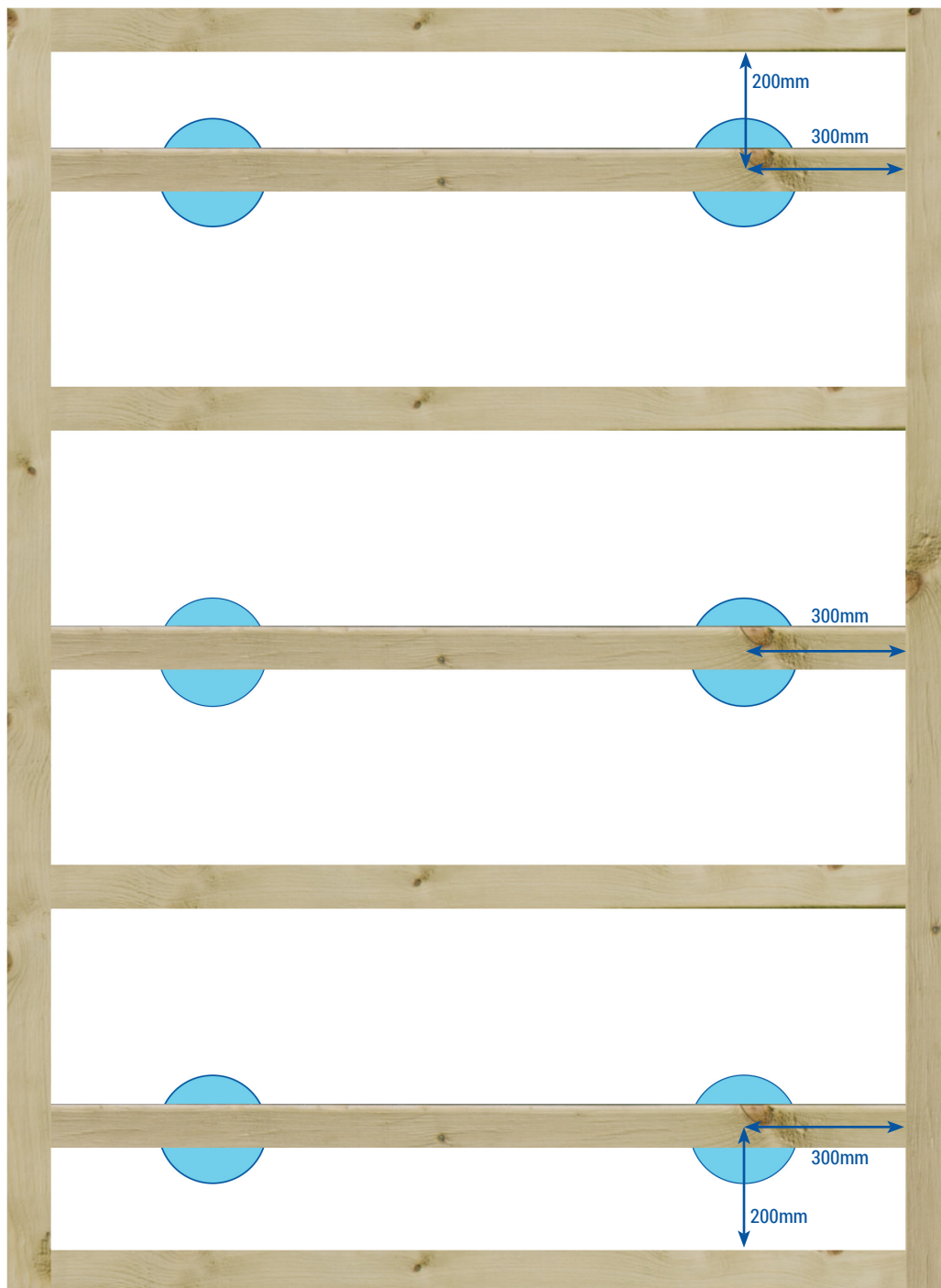




# ABK-1

6 x 3 - (1800 x 900mm)

6 x 4 - (1800 x 1200mm)



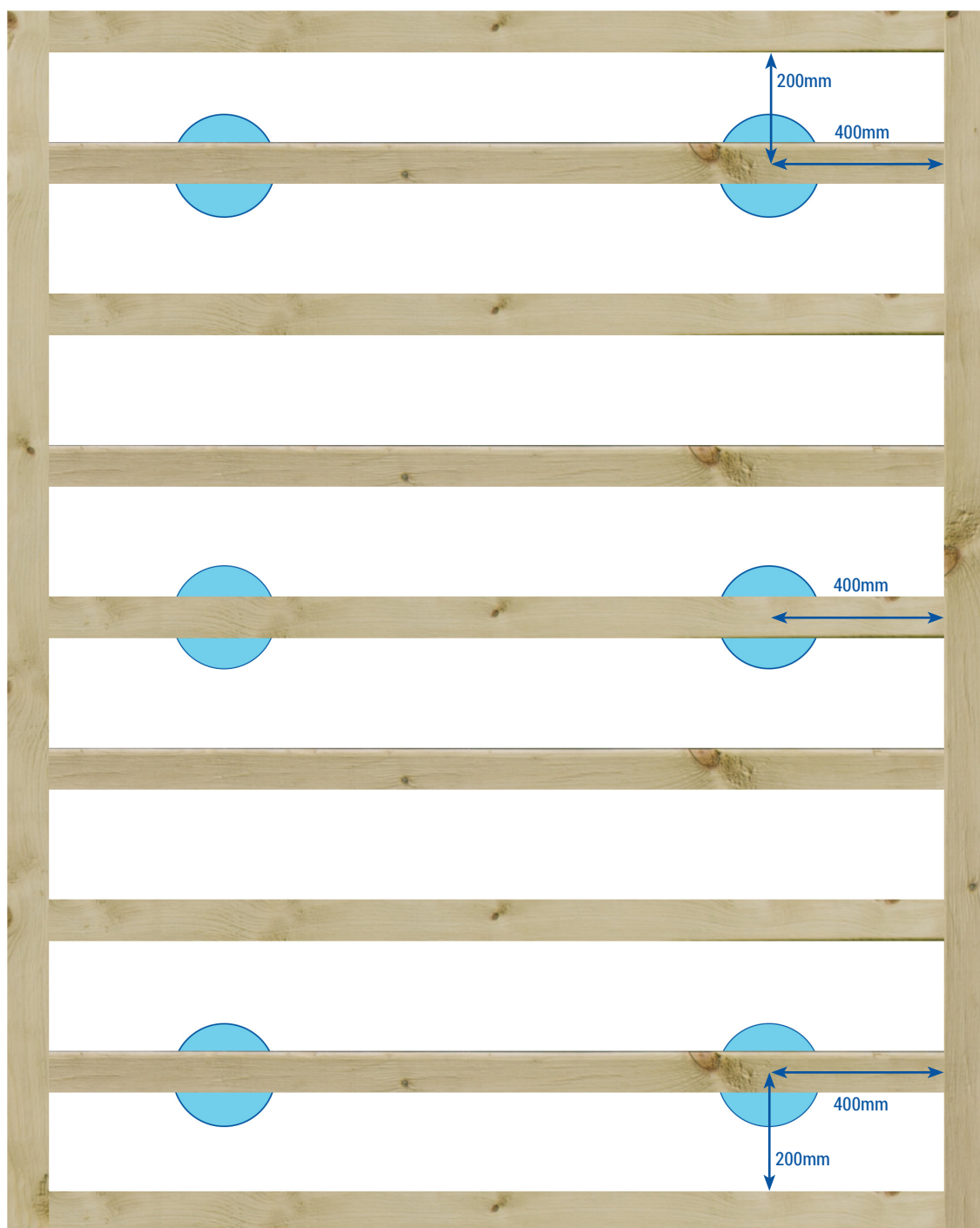
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# ABK-1 v2

7 x 5 - (2100 x 1500mm)

8 x 6 - (2400 x 1800mm)



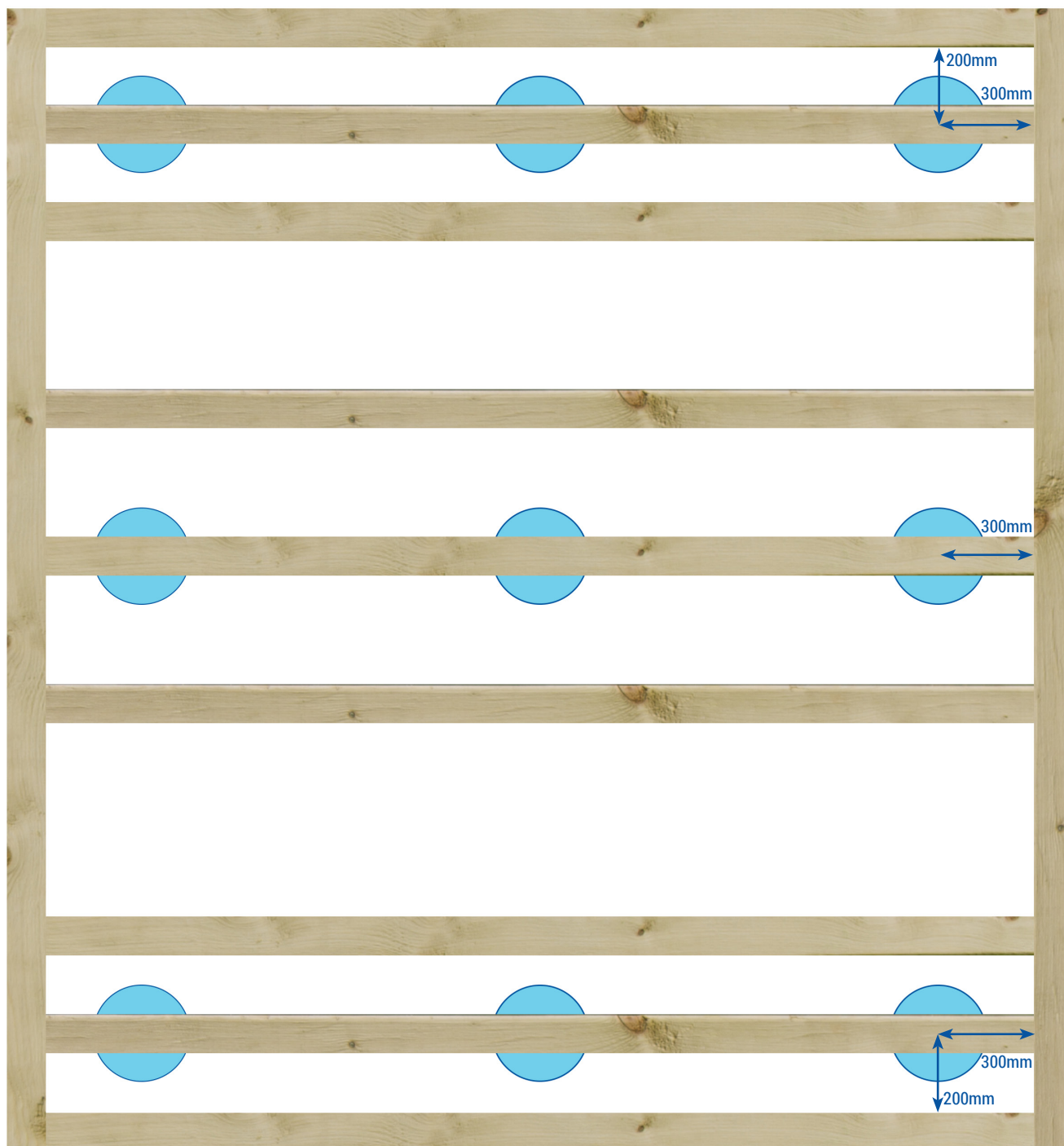
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# ABK-2

8 x 7 - (2400 x 2100mm)

8 x 8 - (2400 x 2400mm)



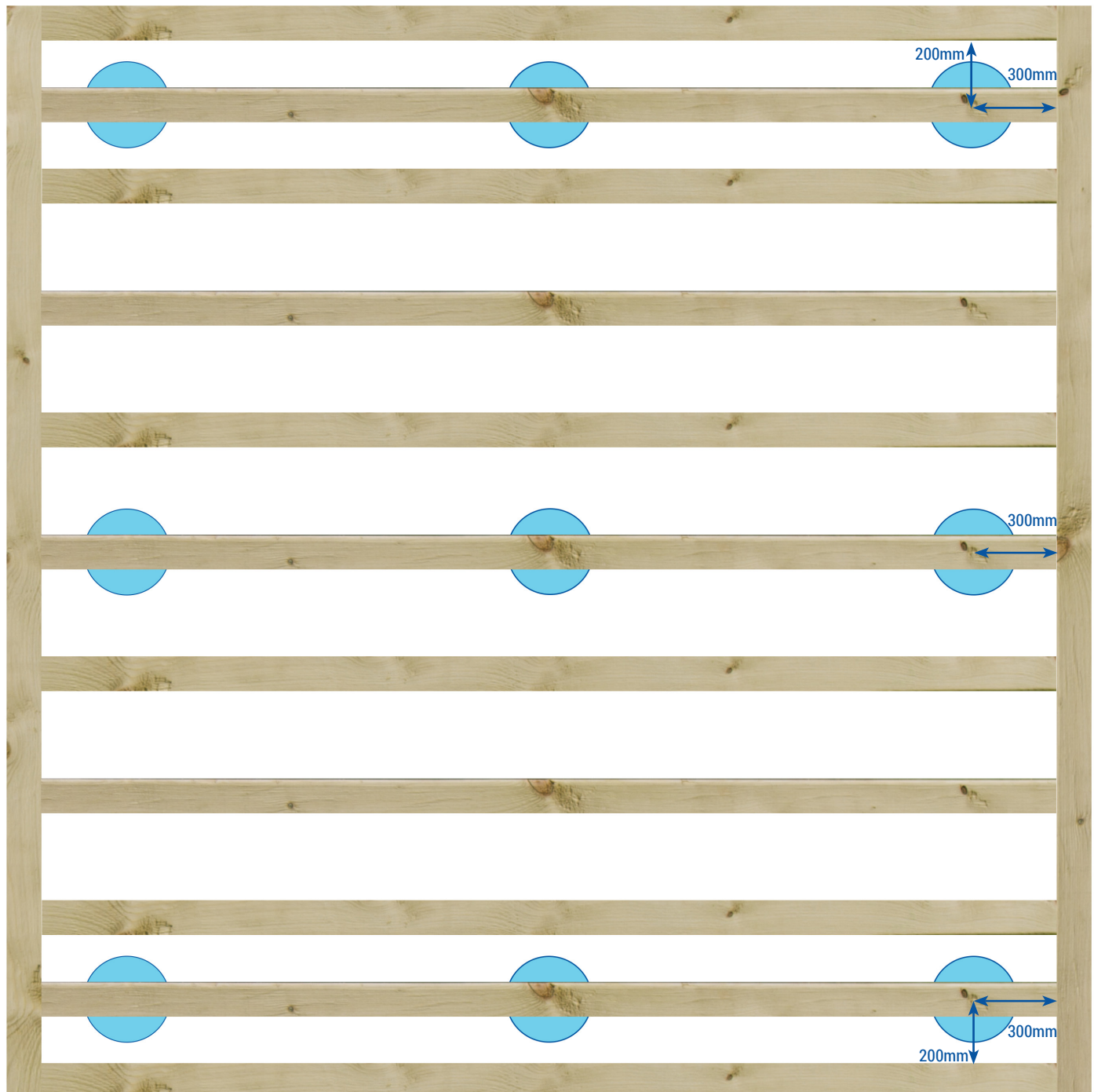
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# ABK-2 v2

10 x 8 - (3000 x 2400mm)

10 x 10 - (3000 x 3000mm)



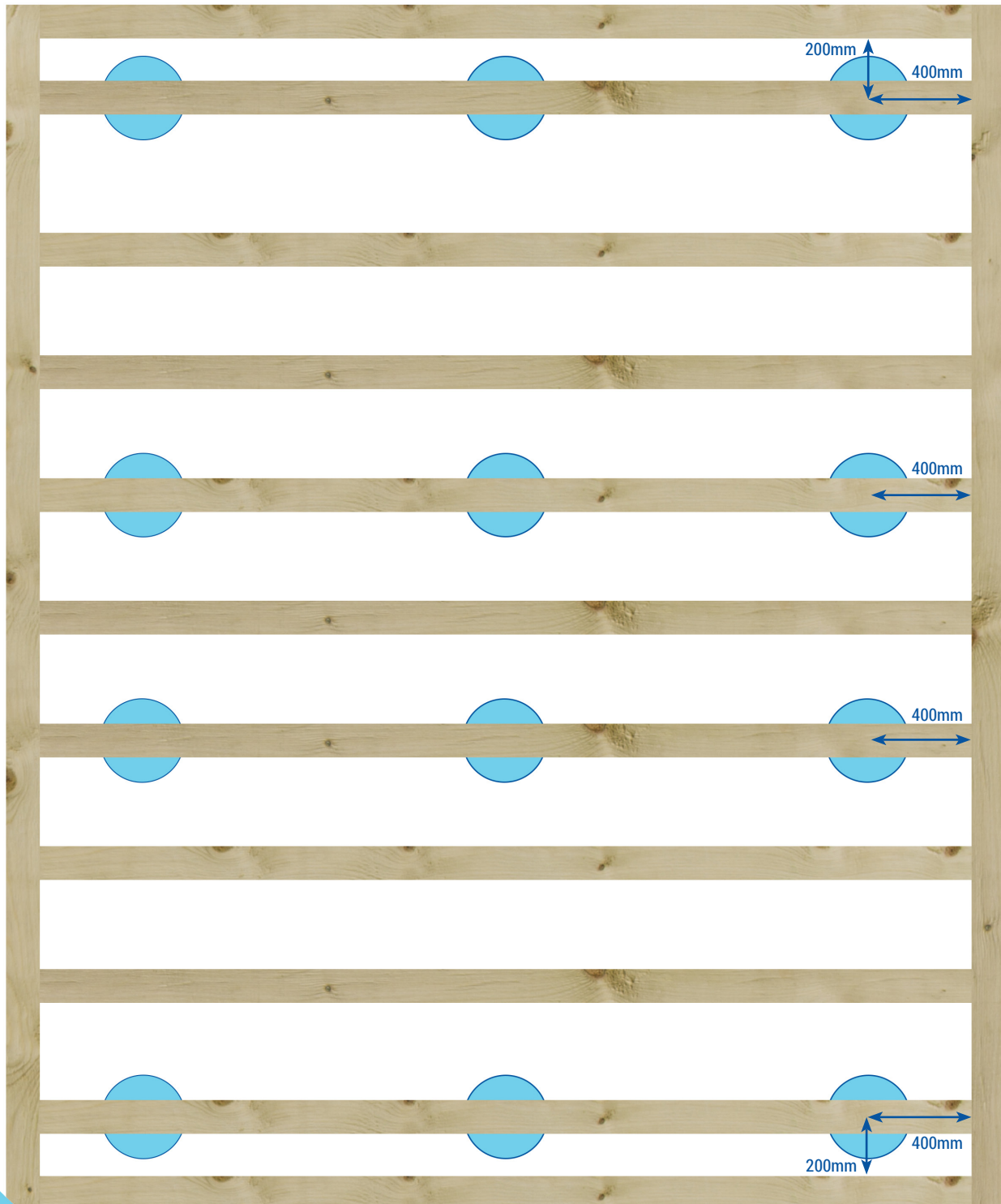
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# ABK-3

12 x 8 - (3600 x 2400mm)

12 x 10 - (3600 x 3000mm)



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# ANCHOR SYSTEMS

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