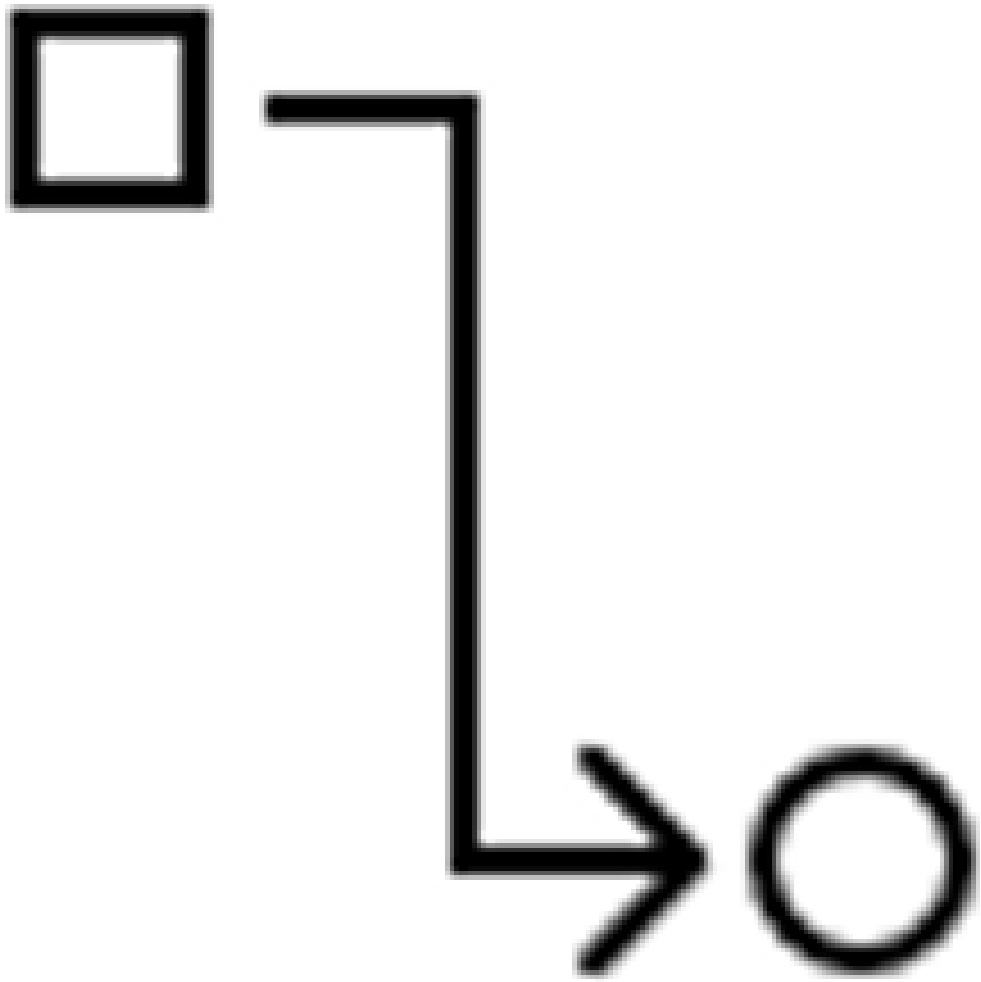
4 of 7: s-series kiosk - Fastening

Release Notes

Release Notes:

V1.01 19 Nov 2024: Improved structure

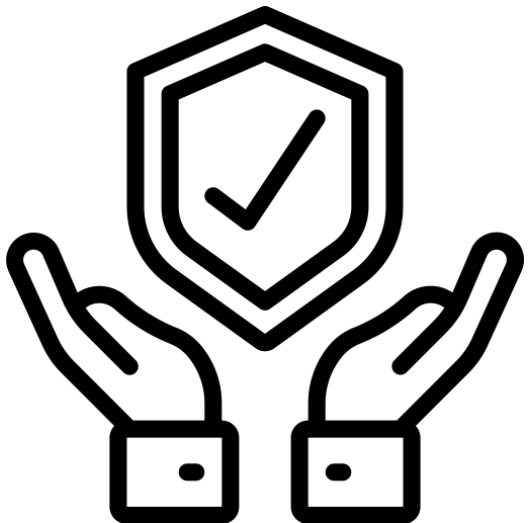
V1.00 - 18 Nov 2024: s-series kiosk - Fastening is phase 4 in the installation process. Phase 3 is Positioning and lifting.



Purpose and scope:

This procedure describes Fastening, which is phase 4 in the installation process. Phase 3 is Positioning and lifting.

Fastening to ground and/ or rear wall is mandatory.



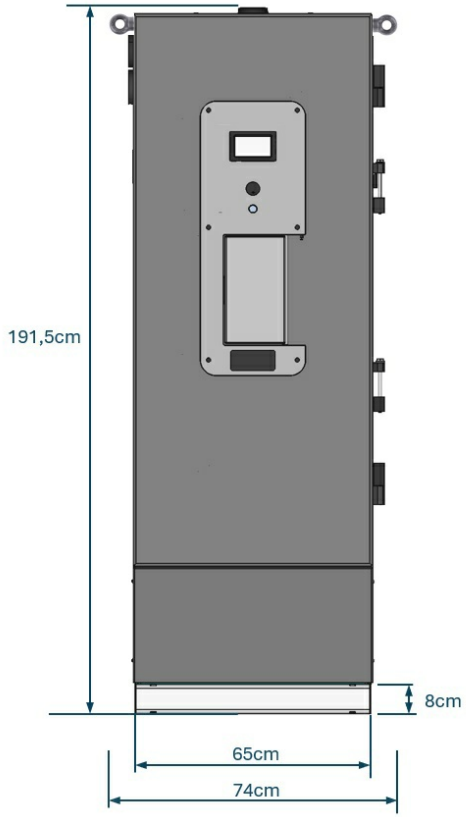
Note:

For a complete understanding, ensure you review all 7 phases of the on-site installation process, and the Health, Safety, Environmental (HSE), legal, and insurance instructions.

It is mandatory to read and fully understand the separate instructions dedicated to HSE, legal, and insurance requirements before proceeding.

To plan and prepare Fastening, See the folder '**Installation on site - Successive step-by-step instructions".**

- **Fastening involves holding a heavy object, with a high centre of gravity, while using machinery.**
- **Before removing any slings, make sure that the kiosk assembly is securely fastened to ground and/ or rear wall.**



1.0 Size and weights

(Illustrations and measurements with mounted, threaded eyelets on the sides for secure handling)

s-kiosk unit, outer measurements:

- Height: 183,5cm | 72.3in
- Width: 74cm | 29.1in
- Depth: 29,1cm | 11.5in

s-kiosk on metal base, outer measurements:

- Height: 191,5cm | 75.4in
- Width: 74cm | 29.1in
- Depth: 29,1cm | 11.5in

s-kiosk on concrete base, outer measurements:

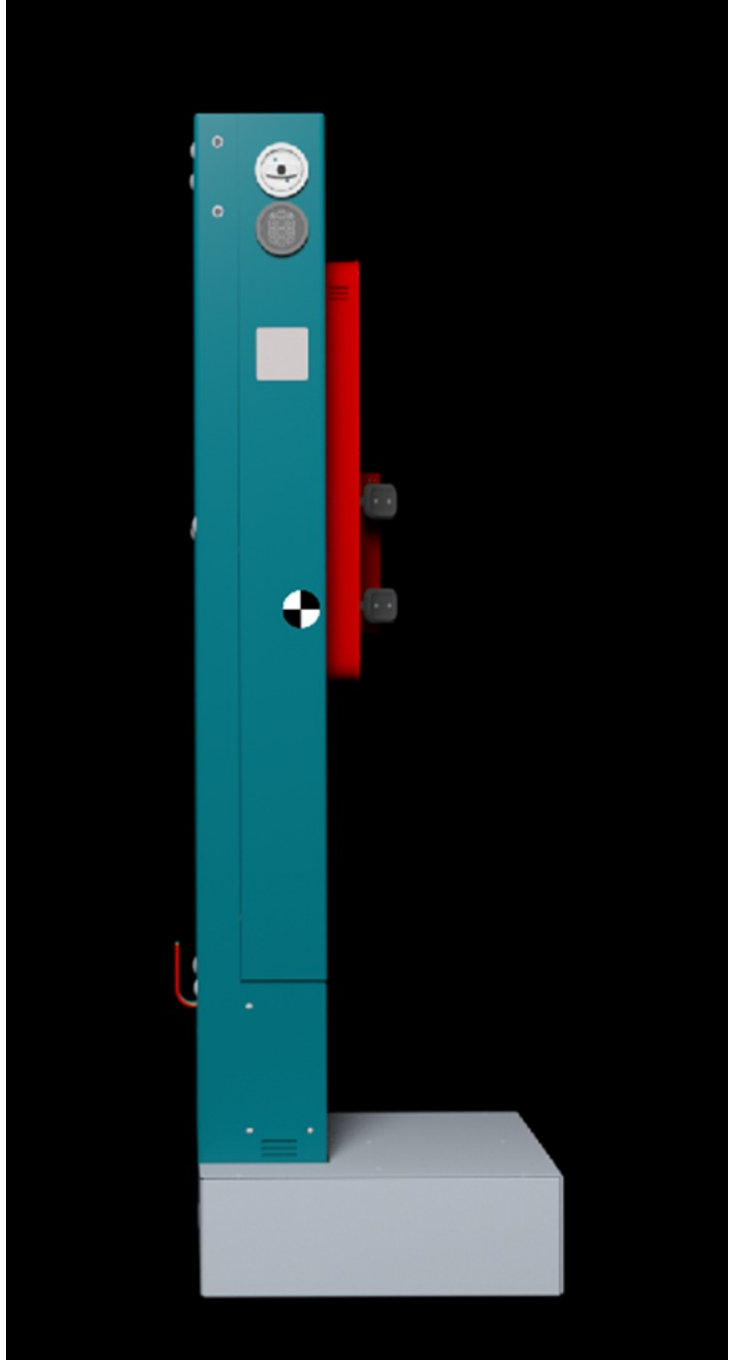
- Height: 203,5cm | 80.1in
- Width: 100cm | 39.6in
- Depth: 29,1cm | 11.5in

Kiosk unit only, weight: 320 kg/ 705 pounds

Kiosk weight with concrete base: 543 kg/ 1197 pounds

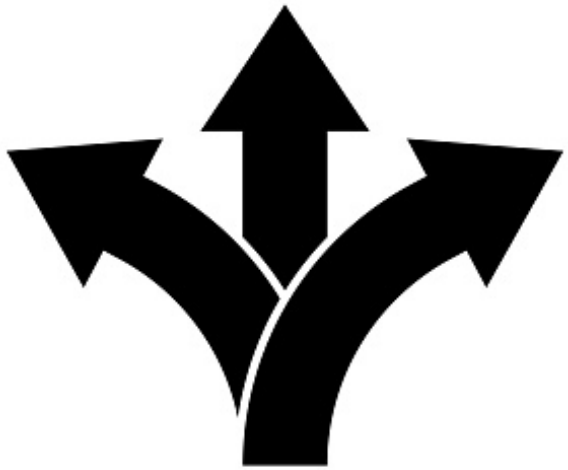
Concrete base only, weight: 223 kg/ 492 pounds

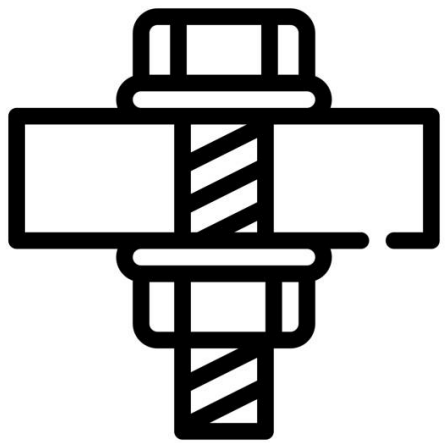
(All tolerances +/- 5mm and +/- 3kg, +/- 0.197 In and +/- 6.61 pounds)



1.1 Center of Gravity (CoG):

Note that the Sharebox s-series kiosk is a heavy object with a CoG marked on the illustration. The high CoG can make the object until it is fastened to ground and/ or back wall. Therefore, extra caution is needed.





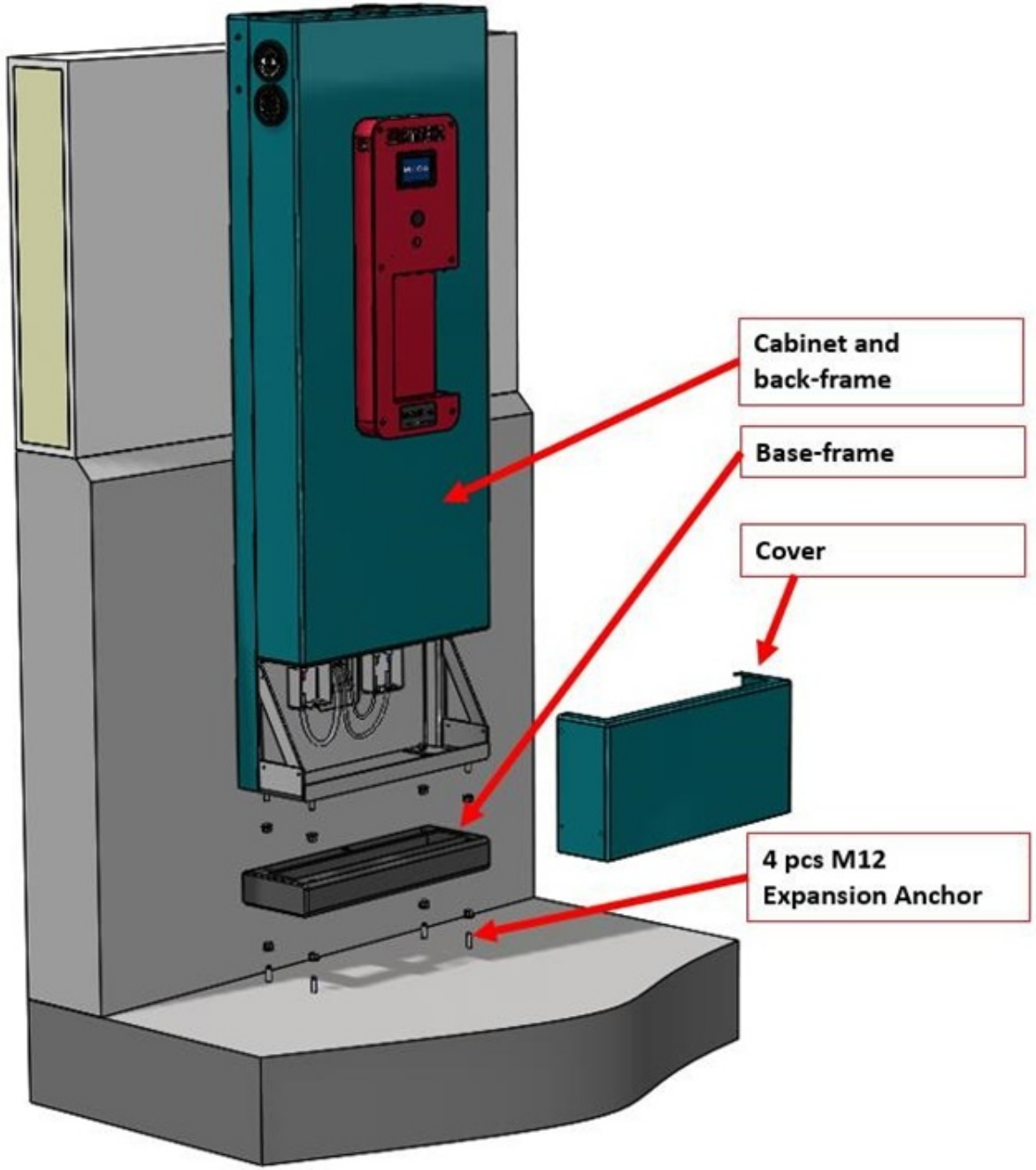
1.2 Installing and anchoring the Sharebox s-series kiosk

Sharebox kiosks must be anchored in place.

There are three ways of installing the Sharebox s-series kiosk, with anchoring:

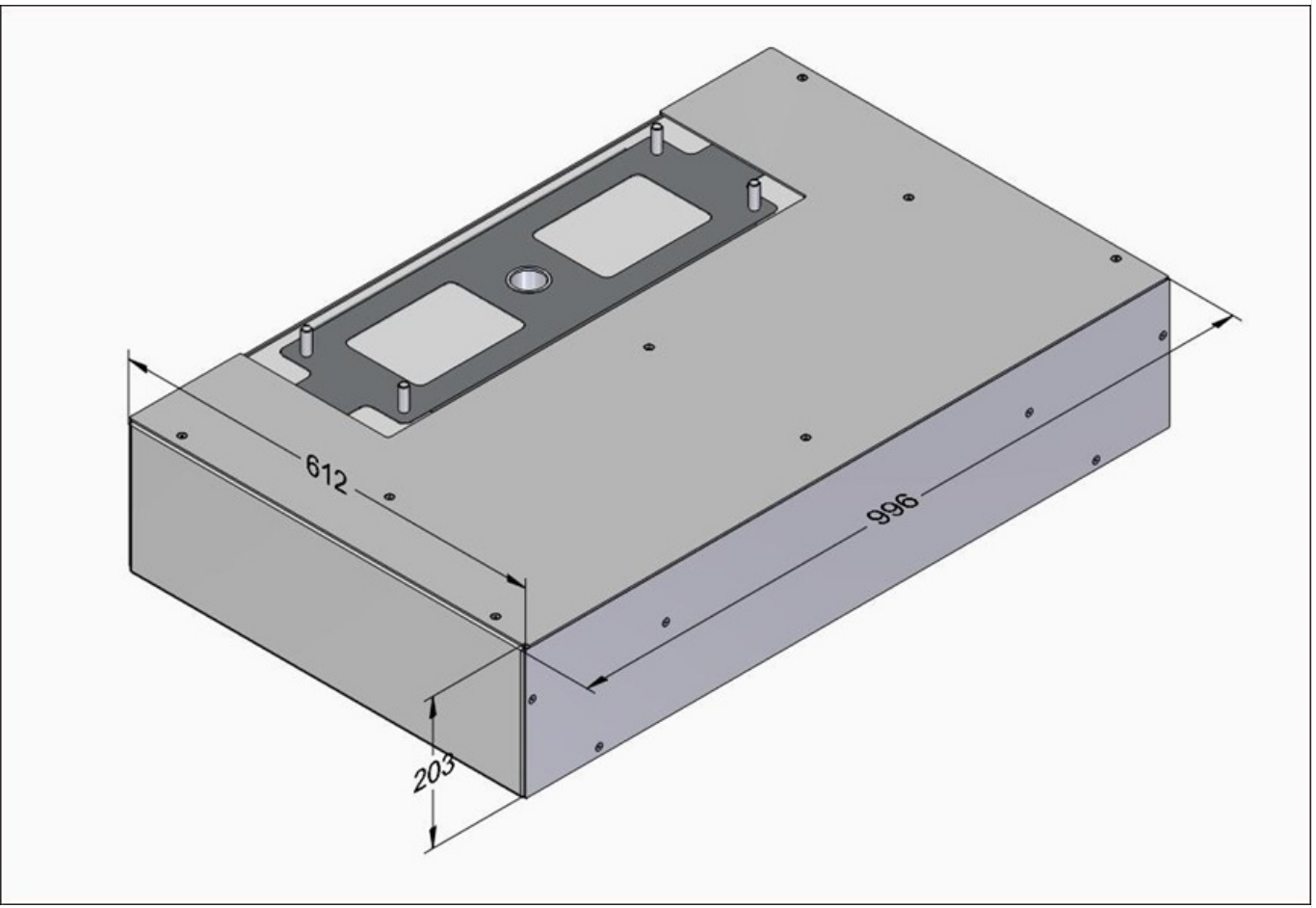
1. On the original concrete base (recommended), with anchoring to the ground.
2. On a metal base, with anchoring to the ground.
3. On a base on the ground, anchored to the ground and to the wall.

Disclaimer: In certain environments the s-kiosk may be installed without anchoring. This may infringe insurance terms and conditions and remains the responsibility of the customer.



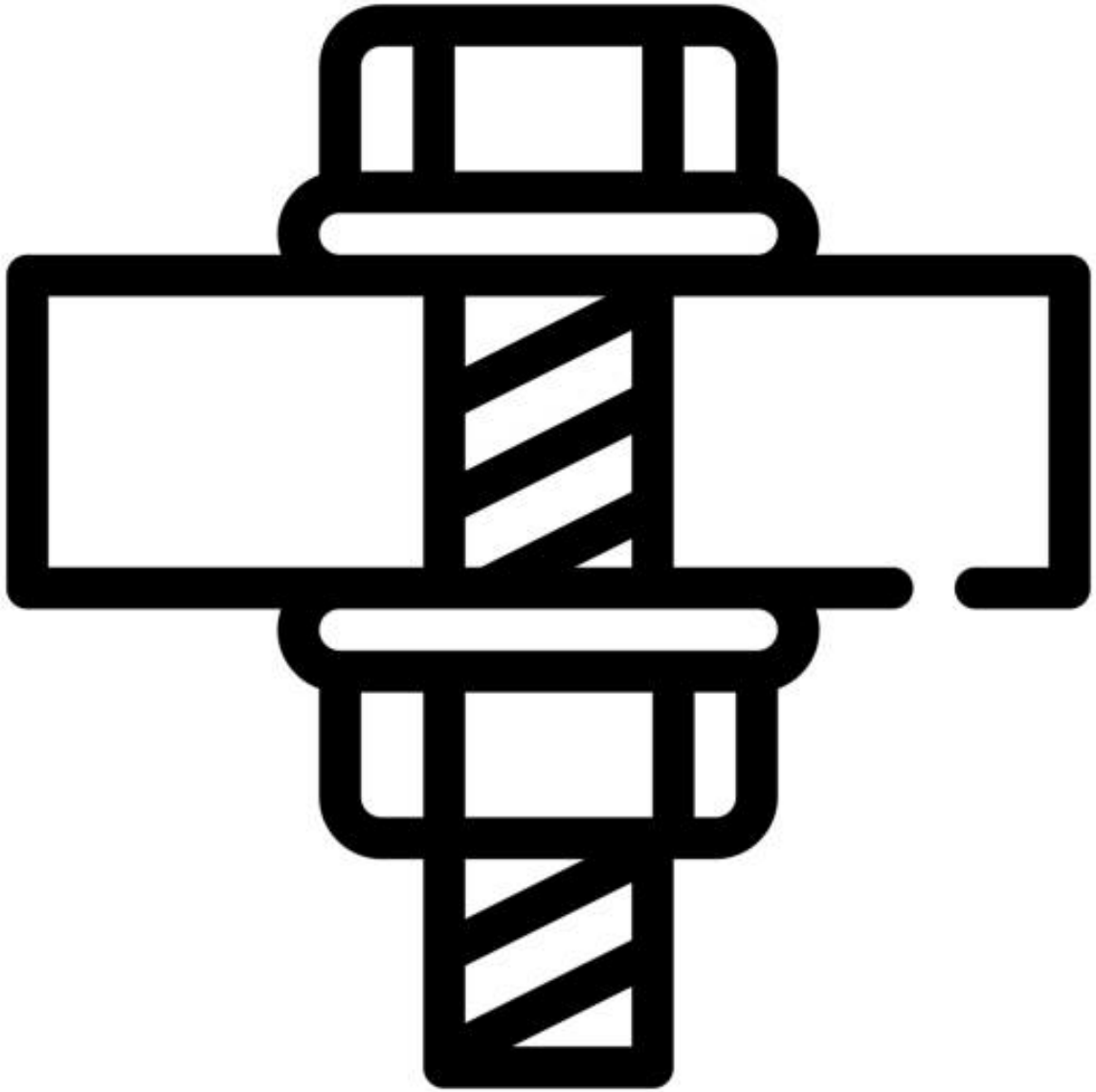
1.3 Specifications for concrete slab in the ground:

- Levelled and uncracked concrete of minimum thickness 250mm, and minimum quality C20/25.
- Length of A=1000mm
- Length of B= 620mm



1.4 Dimensions of concrete base (in mm and inches):

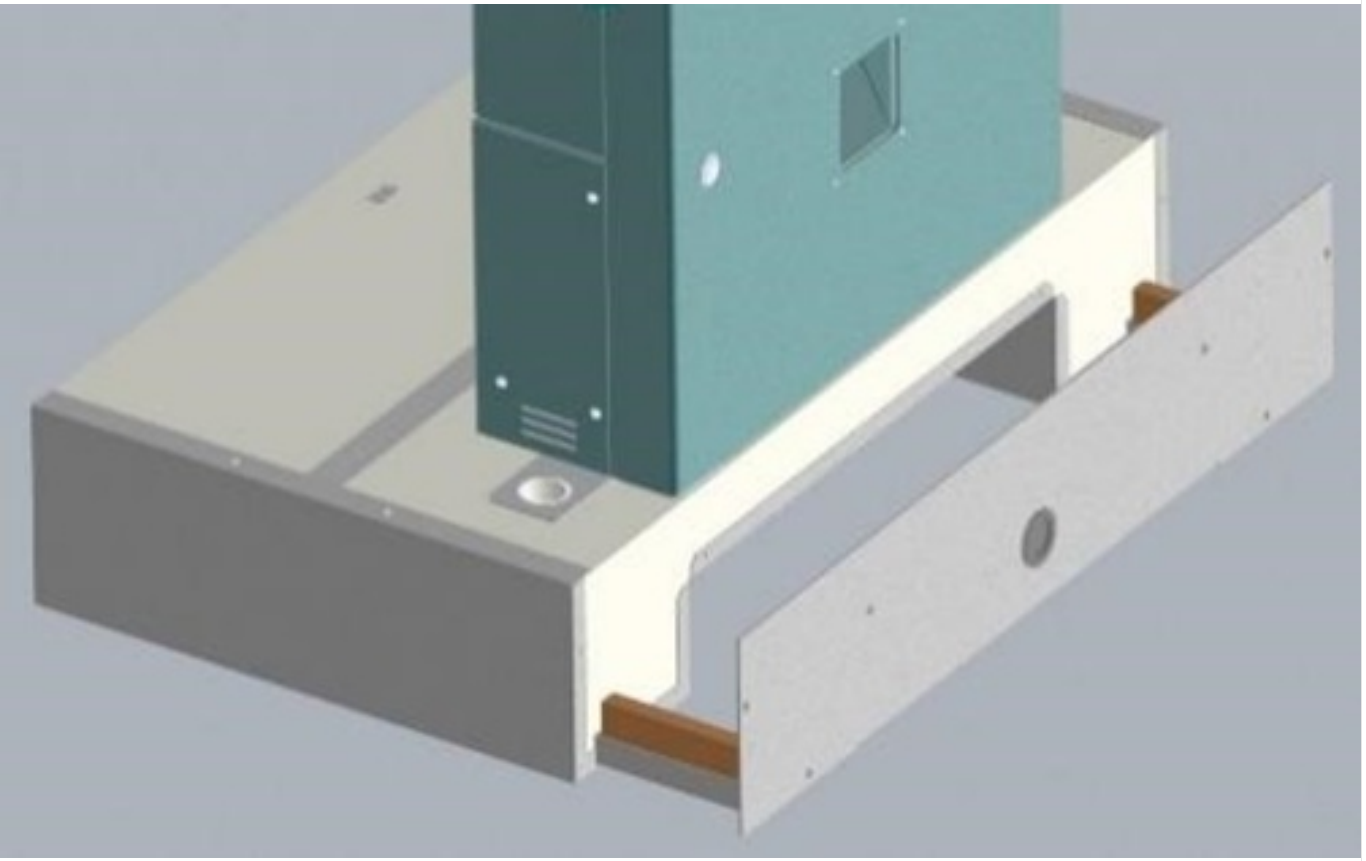
Concrete base outer dimensions: W x D x H: 996 x 612 x 203 mm | 39.21in x 24.09 x 7.99"



2.0 Fastening the kiosk, different scenarios

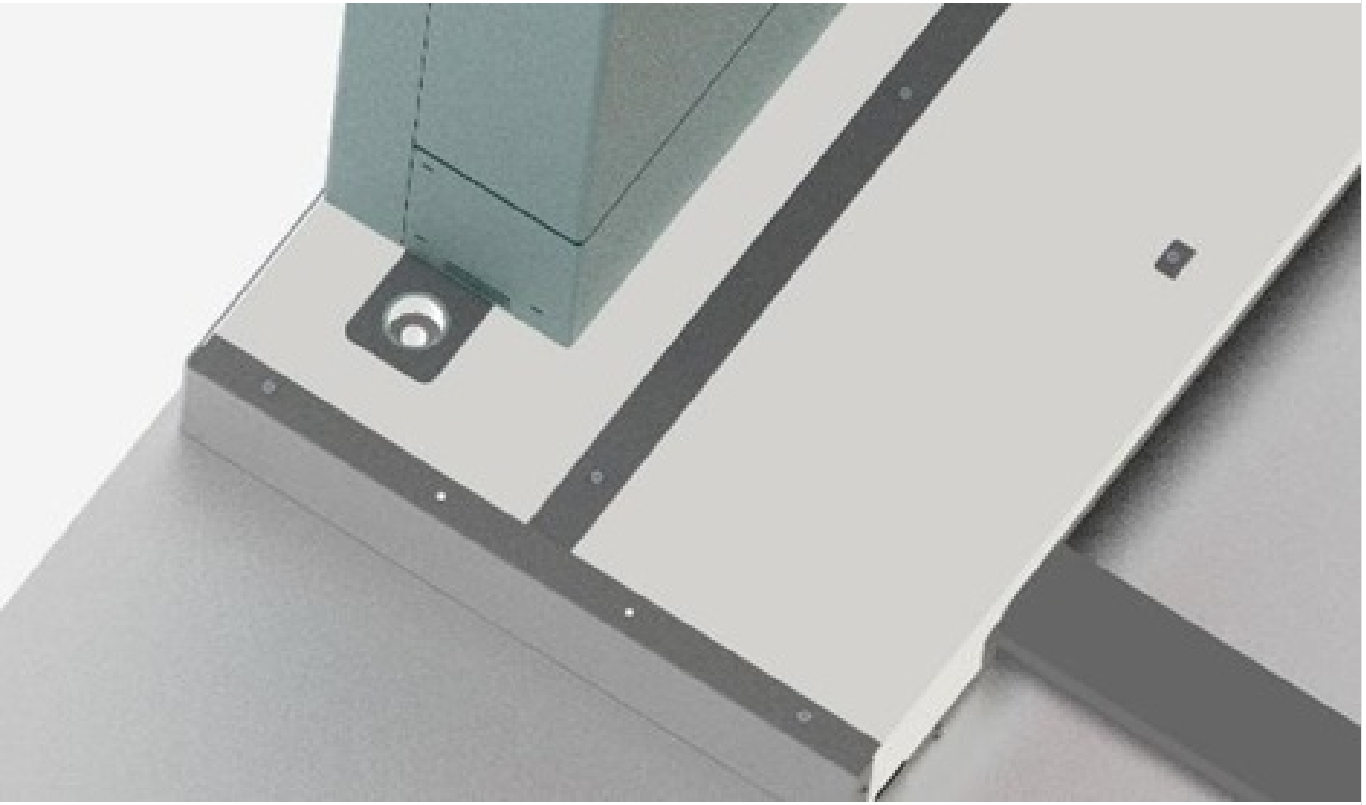
2.1 Kiosk on concrete base, anchoring to the ground :

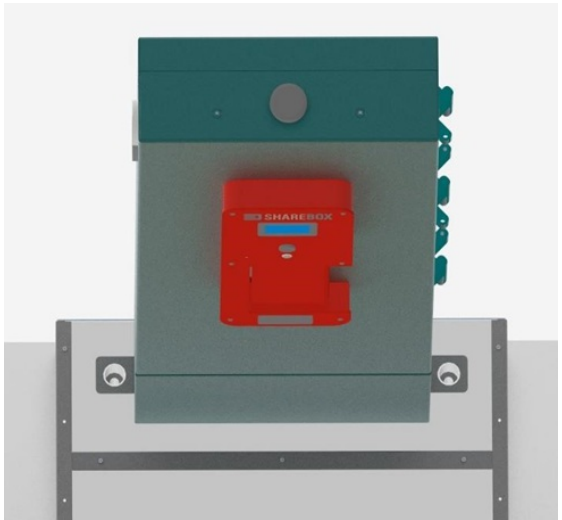
The kiosk is anchored directly on to the concrete slab in the ground.



The hole (for pulling cabling) shall be facing towards back/wall.

Make sure the back metal plate is fastened to the concrete base with 8*T25 torx screws.





2.2 Specifications: Holes and anchors in the concrete base and the concrete slab:

After aligning the s-series kiosk assembly (kiosk and concrete base) onto the concrete slab, the concrete base metal top plate can be taken off.

- Expansion anchor size: M12, 2pcs Expansion anchor, length: 250-300mm Hole depth, nominal: 72mm
- Anchoring depth, nominal: 64mm
- Expansion anchors (e.g., HILTI HSA F) M12x250 or M12x300
- Chemical anchoring (epoxy, adhesive, etc.) may in some cases be used together with the metal anchors.

1. Remove the 8 torx srews (T25) and the plate. Two fastening holes are now visible.
2. Through these pre-made holes (marked with blue circle), drill one hole on each side into the concrete slab .
3. Use proper expansion anchor bolts (e.g HILTI HSA) to anchor the whole object onto the concrete slab.

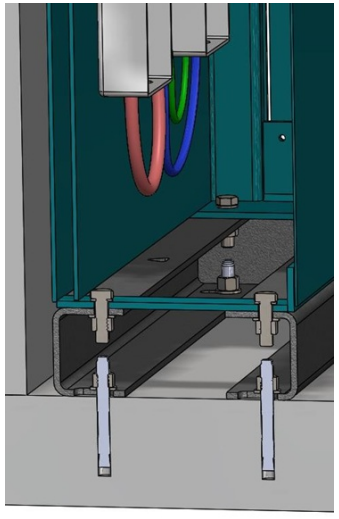
After fastening to the concrete slab, the metal front plate and top-plate can be re-attached and fastened with the T25 torx screws.

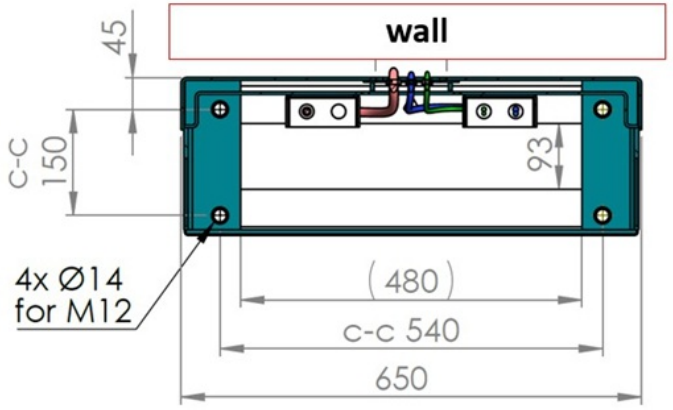
2.3 Metal base as template for placing and marking-up holes.

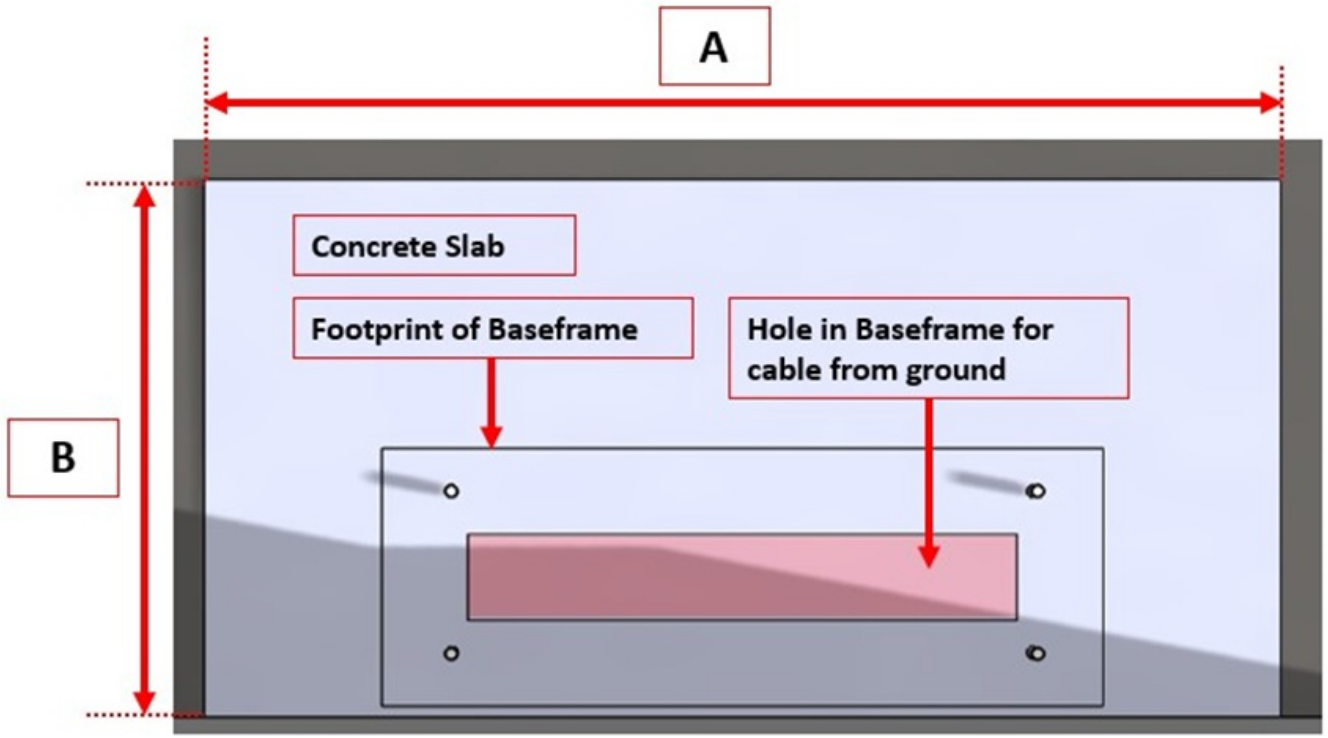
The metal base can be used as a template to mark-up (and drill) holes. Note that the arrow on the frame is to point to the back / wall.

1. Put a mark on the ground/ concrete slab, for the four anchor bolts.
2. Remove the metal base.

Metal base outer dimensions: W x D x H: 640 x 220 x 80 mm | 25.20 x 8.66 x 3.15"





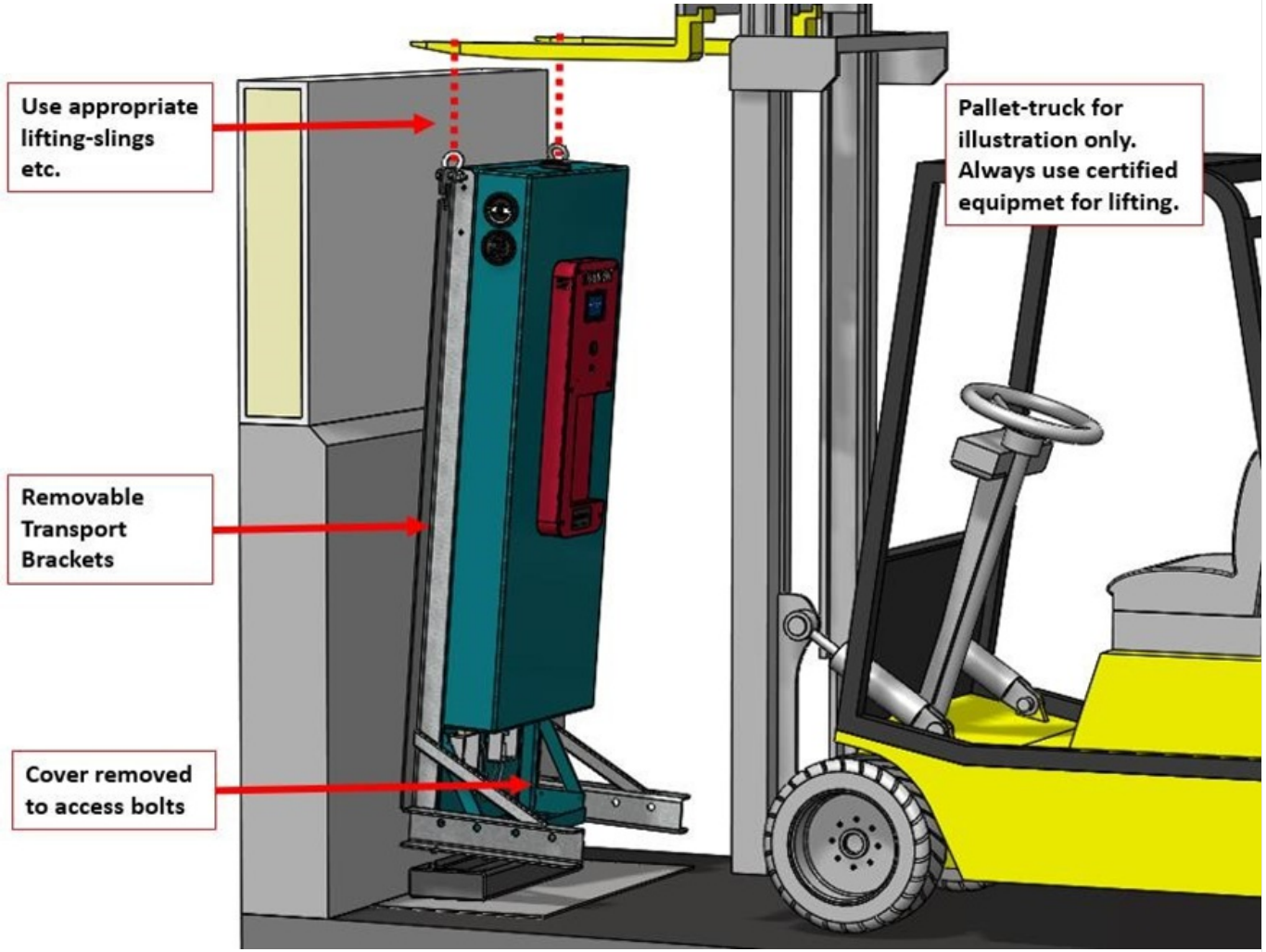


2.4 Fastening metal base to the ground:

- Expansion anchor size : M12, 4pcs
- Expansion anchor, length : 100mm
- Hole, depth, nominal : 72mm, minimum

1. Drill 4* holes in the ground/ concrete slab, hole diameter and depth depending on anchor dimensions and ground properties.
2. Level the metal base (if needed) and fasten it to the ground. The holes are slotted to enable some adjustability.
3. Fasten the 4 nuts to secure the metal base to the ground.

NOTE: The area marked red shows where it is possible to route cables up from the ground, through the metal base.



2.5 Fastening the kiosk onto the metal base

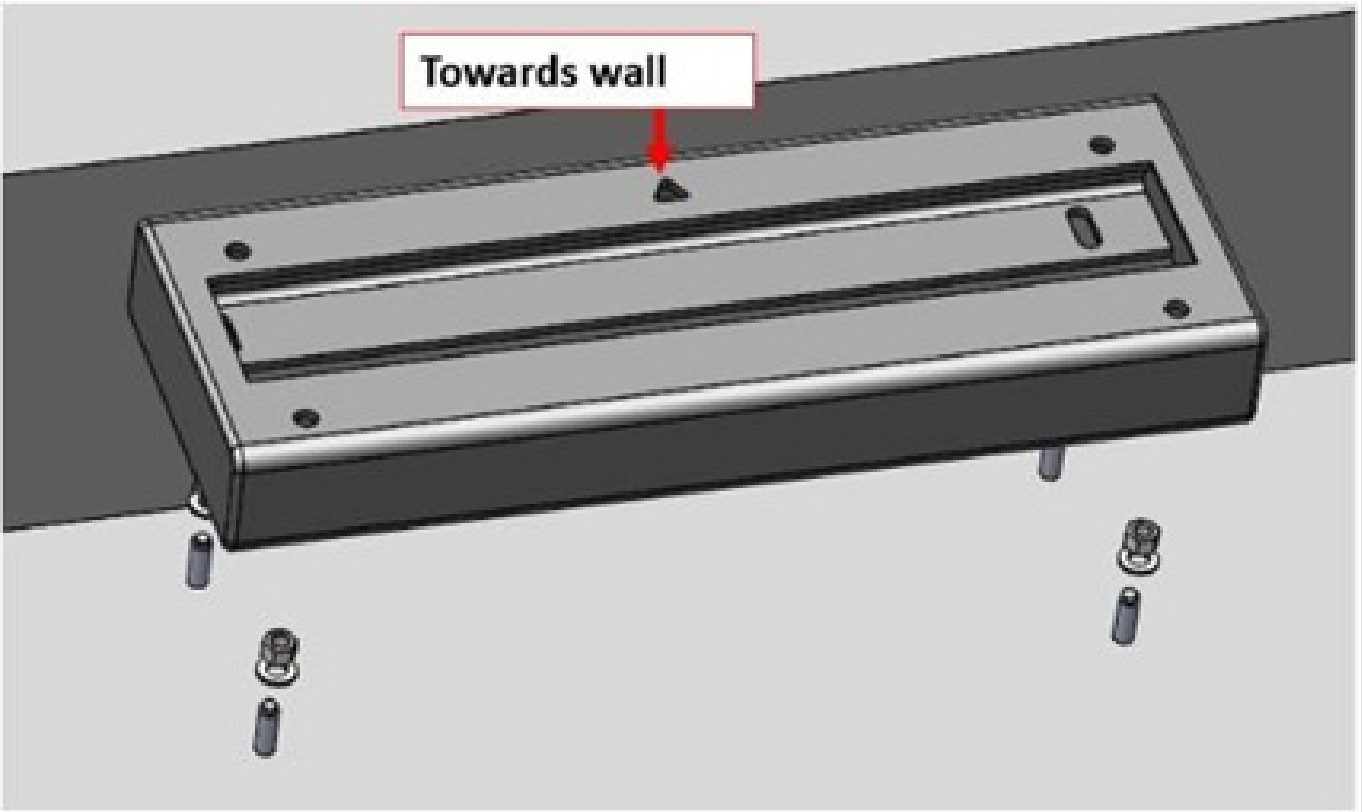
For safety, keep slings, ropes, etc, connected until the complete kiosk assembly is connected to the ground.

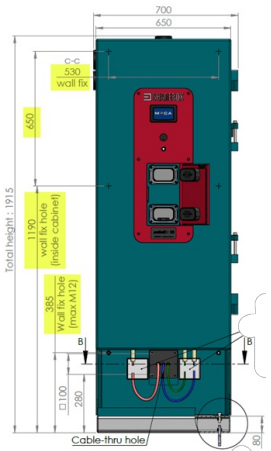
With the kiosk on the metal base, aligned with the four holes,

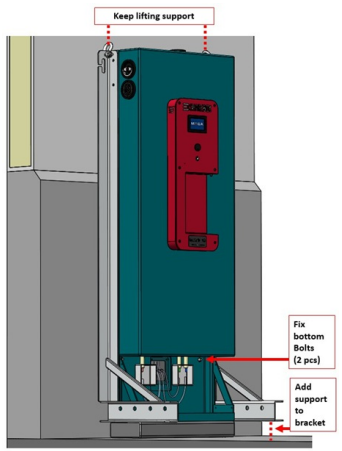
- Fasten the kiosk to the metal base with 4 pcs of M12 bolts, nuts and washers. The whole kiosk assembly is now stable, with kiosk and metal base connected to the ground.

- Remove slings, ropes, eyelets, etc.

NOTE: Fork lift for illustration only. Always use certified equipment for lifting.







3.0 Installation with metal base, anchoring to wall.

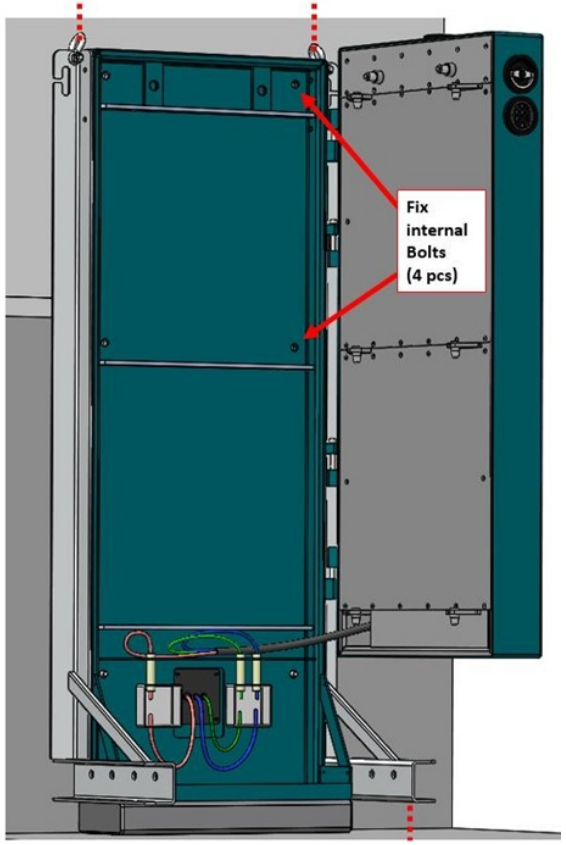
For safety, eyebolts need to be attached with slings to a lifting device during the entire process.

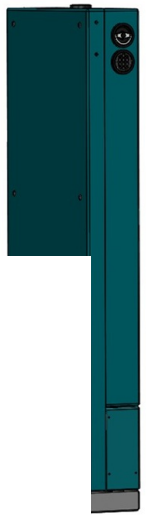
To keep the kiosk up-right and level, use appropriate support/load-bearer between the kiosk and the ground.

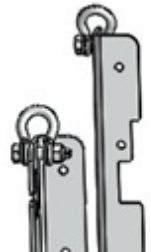
If placing on metal base, and sufficient ground-anchoring is not possible, wall-anchoring is necessary. Holes for fastening to rear wall are accessible inside the kiosk.

When fixating to wall, ensure depth of drill-hole 150mm.

1. Note the position of wall-anchoring holes and place the kiosk also taking in to concideration the wall strength and structure.
2. Position and level the metal base as described above. Anchoring to ground is always recommended, even if the bolts cannot hold much load.





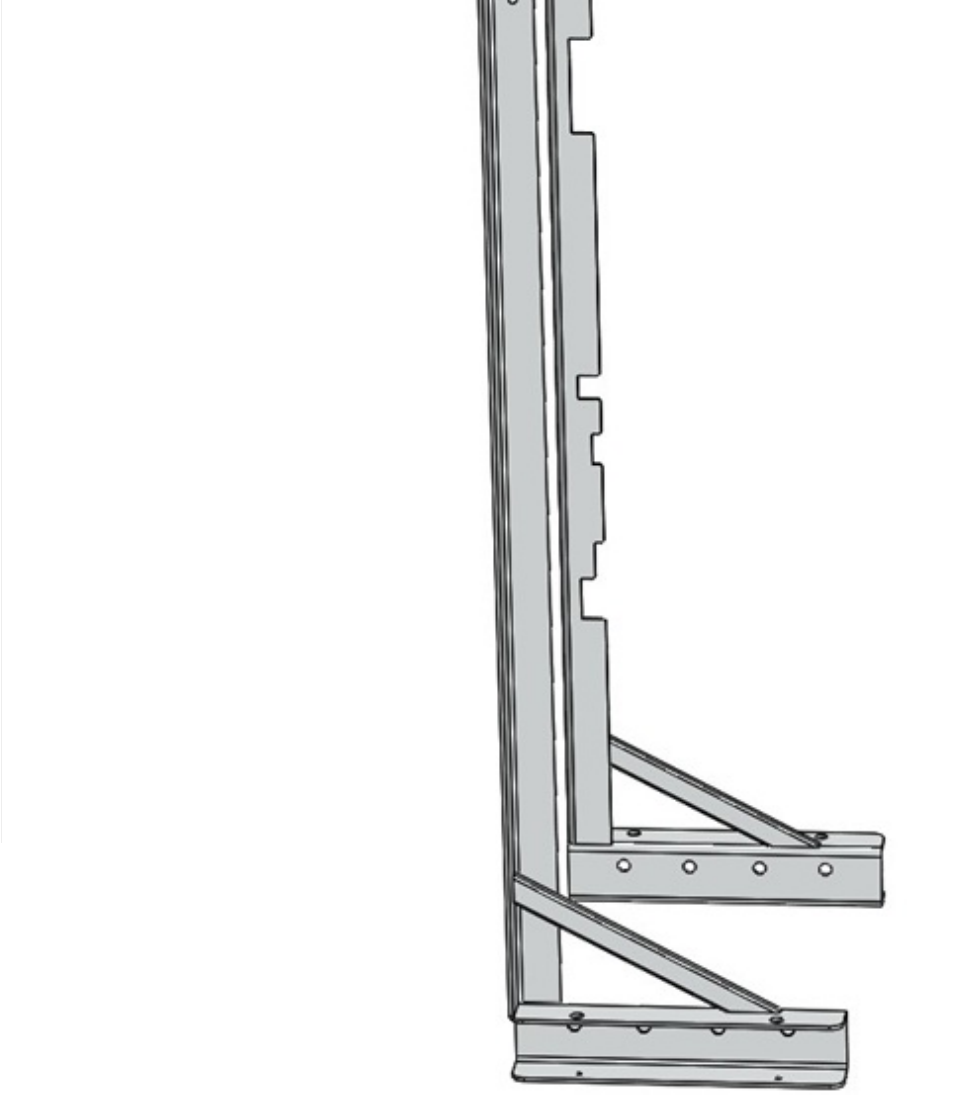


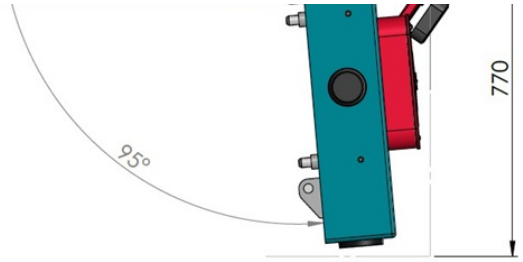
To open the kiosk main door and access drill holes, a pin-code is needed . Contact Sharebox/Cennox support.

There are 4 holes inside, same size as the bottom-holes (max size bolt M12). Use at least 2 bolts. When fixating to wall, ensure depth of drill-hole 150mm.

Remember “distance-support” between the wall and the kiosk to keep it leveled.

NOTE: Leave at least 20mm clearance to the wall, regardless of cable routing.





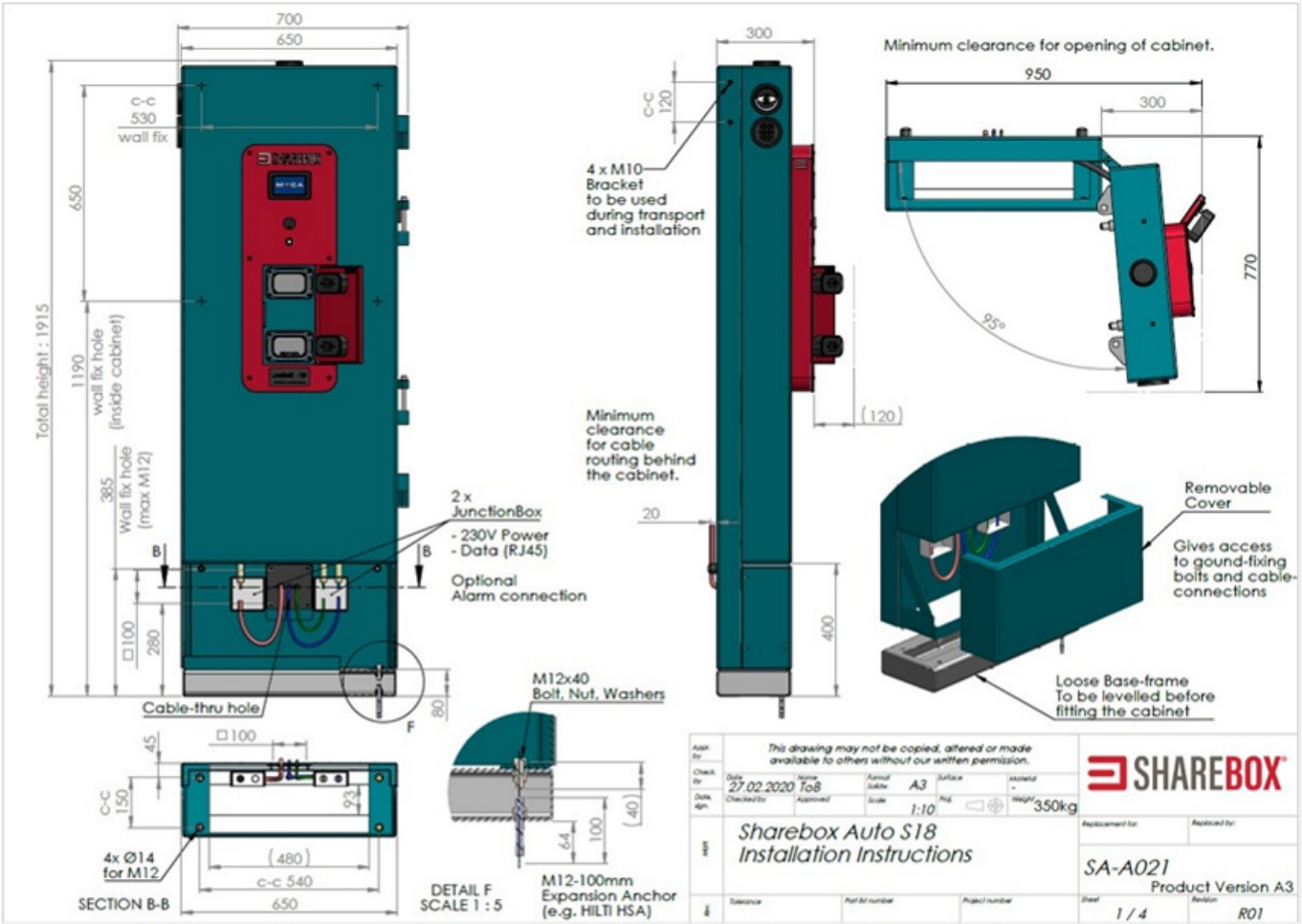
Eyebolts need to be attached to a lifting device during the entire installation.

For safety, keep the lifting slings/crane etc. connected throughout the process.

If not possible, support the horizontal legs of the support-brackets to prevent the kiosk from tipping forward.

Before the kiosk main door is opened, fasten the lower 2 bolts, accessible behind the lower metal cover.

To keep the kiosk up-right and level, use appropriate support/load-bearer between the kiosk and the ground.



. Attachment

SA-A021 Technical drawings and instructions