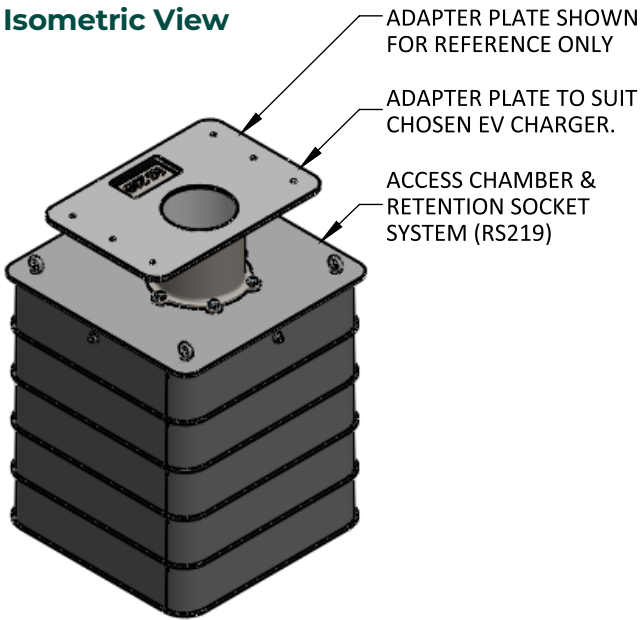


Installation Guide

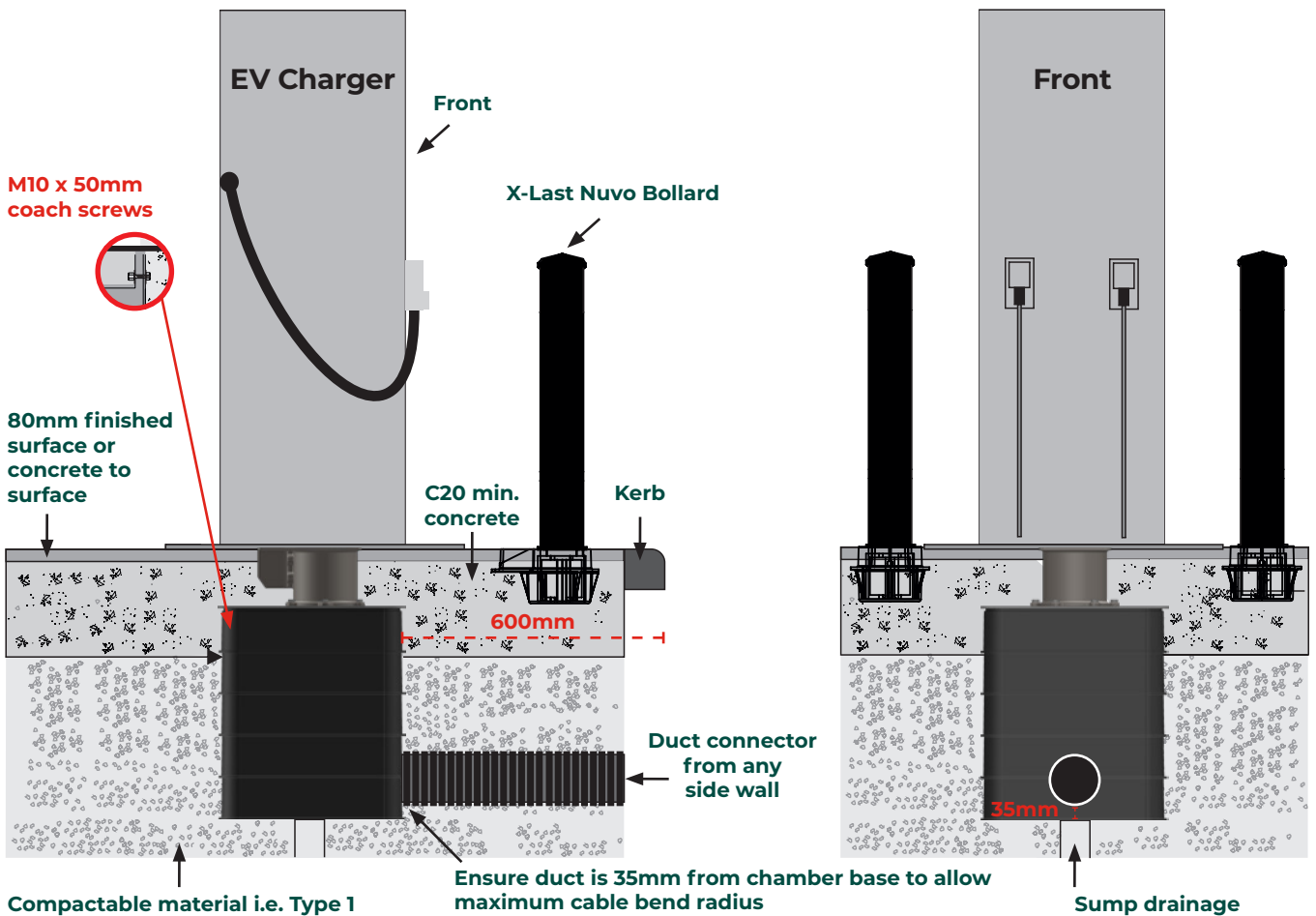
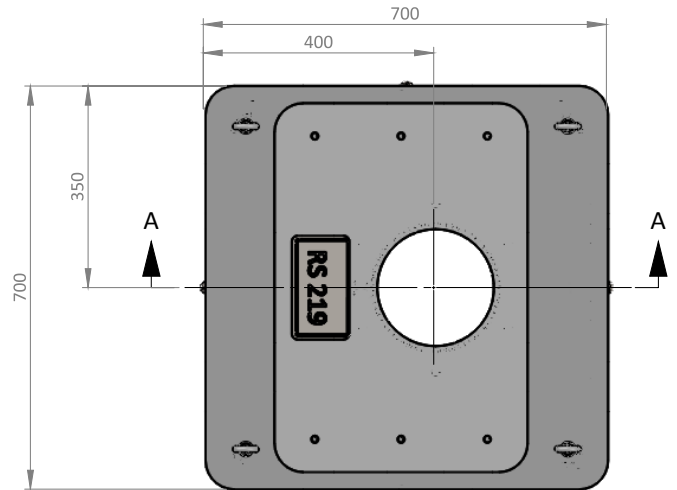
HPC Foundation



Isometric View



Plan View



Excavate the required foundation x 1005mm deep including base. Any soft voids should be filled with compactable material to ensure a firm sub base is achieved.

HPC Foundation Installation guide



1

Excavate foundation minimum 1200 x 1200 (depending on ground conditions) x 1150mm deep. The finished ground beneath the adapter plate must be level. Ensure this can be achieved with current surrounding surface, if not cut back further locally. Please see bollard installation details on back page to determine any extra excavation requirements.



2

Minimum: Install 100mm min dia. sump in the centre of chamber position and lay 150mm compactable material ie Type 1. In high water table areas a sump should be connected to a drainage network or a soakaway.



3

Compact surrounding material and level.



4

Ensure the excavation depth for the unit to finish surface is **854mm**, with an additional **150mm** for the base.



5

Join 2 STAKKAbOX ring sections and drill 150mm duct aperture centrally as pictured. **Ensure aperture is 35mm from chamber base to allow maximum cable bend radius.**

HPC Foundation Installation guide



6

Place first ring section of STAKKAbox with duct entry orientated for duct route and level on all axis.



7

Positively connect the ducting through the drilled aperture(s).



8

Place second ring section and using a mallet tap down on to first section.



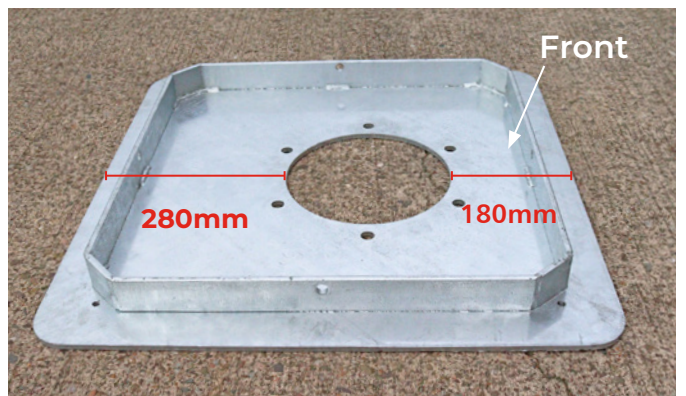
9

Backfill with compactable material just below the top of this ring and compact.



10

Place third ring section and using a mallet tap down onto installed section and compact.



11

Turn the mounting plate over as shown above.

HPC Foundation Installation guide



12

Place the last ring section of STAKKAbox that is pre-drilled upside down on the mounting plate as shown, ensuring the ring is level on the plate. Drill pilot holes through 12mm holes in 4 positions.



13

Insert M10 x 50mm coach screws and tighten in 4 positions until tight.



14

Place mounting plate and section onto the installed STAKKAbox.



15

Ensure mounting plate is level on all axis.



16

Place the RS219 head on the mounting plate orientated as shown above. Insert M16x50mm bolts and tighten using M16 nuts and washers in 6 positions. **Tighten to 42Nm.**



HPC Foundation Installation guide



17

Ensure round pedestrian plug is installed as shown above, these should be flush with finish ground level. Concrete can be poured local to socket.



18

Position bollard sockets as per site requirements. These are 200mm deep with the top being flush to finished surface.



19

Insert bollard into socket and push locating pin in the side chamber of the socket through the bollard, which is pre drilled. Use the bollard as a lever and level.



20

Pour ST4/C20 minimum concrete to ground level or leave 80mm to allow for finished surfacing. Ensure area under the charger is level and flat.



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