**STEP 1**

Excavate foundation to required depth including 150mm deep base with drainage sump. Ensure that the ground level indicator on the front of the controller plinth is at finished surface level. The required depth is 715mm when using 2 access and 1 riser section of STAKKAbox and the concrete base.

**STEP 2**

Connect ducts to pre drilled duct access holes in STAKKAbox and ensure any unused holes are capped.

Level the STAKKAbox in excavation and build up 155mm high sections to appropriate level.

**STEP 3**

Position plinth into top of STAKKAbox Access Chamber. Ensure that plinth is installed with access door to the front of controller cabinet position. Backfill the excavation with a minimum ST4 concrete 150mm wide to a minimum of 50mm below the ground level marker on the front of the cabinet plinth. Remove front access door and coach screw plinth (through pre-drilled holes) to the STAKKAbox access chamber.

**STEP 4**

Re-instate footway/verge upto ground level indicator with specified surfacing.
IMPORTANT READ THIS

ELECTRICAL INSTALLATION OF CONTROLLER CABINET BASE

STEP 1

Remove blanking plate and cable gland tray from the top of the plinth and remove front access door.

STEP 2

Pull all cables into the STAKKAbbox access chamber and then through the front access door.
There are 2 options when installing the Controller these are shown below

Option A - Installing Controller first

**STEP 3A**

Lift Controller Cabinet onto plinth and bolt down using bolts provided.

*(Cabinets can be lifted safely by using NAL’s Cabiliift system. Please contact NAL for further information on this product).*

**STEP 4A**

Fix the castellation bars to gland tray above the spaces of the gland tray and not directly over the grommets, with bolts provided.

Taking each individual cable - remove stepped grommet gland and cut to relevant core size *(always work from back to front)*.

Feed the cable through hole in the gland tray and slide the appropriate stepped grommet gland down over the cable.

From beneath the gland tray pull cable downwards to positively re-connect the stepped grommet gland into the pre-drilled hole.

The cable can now be glanded and connected to the castellation bar with cable glands.

Ensure earth straps are connected to plinth, front access door and the gland tray.

**STEP 5A**

Cable controller in normal manner. When all cabling is complete, fit the front access door onto the plinth.

If in doubt contact NAL Technical Support
Tel: 01905 427100
There are 2 options when installing the Controller these are shown below:

**Option B - Installing controller after cables are ganced**

**STEP 3B**
Fix the castellation bars to gland tray above the spaces of the gland tray and not directly over the grommets, with bolts provided.

Taking each individual cable - remove stepped grommet gland and cut to relevant core size *(always work from back to front)*.

Feed the cable through hole in the gland tray and slide the appropriate stepped grommet gland down over the cable.

From beneath the gland tray pull cable downwards to positively re-connect the stepped grommet gland into the pre-drilled hole.

The cable can now be ganced and connected to the castellation bar with cable glands.

Ensure earth straps are connected to plinth, front access door and the gland tray.

**STEP 4B**
Once cabling is complete the cables should be coiled on to top of the gland tray ready for the cabinet to be installed.

**OPTIONAL STEP 5B**
When the cabling is not complete an optional dummy cabinet can be supplied for. This protects the cables from the weather, vandalism and theft.

**STEP 6B**
Lift Controller Cabinet onto the plinth and bolt down using bolts provided. The controller can then be cabled in the normal manner. Fit front access door to the plinth.
The NAL Controller Base comprises of four components:
Blanking Tray, Gland Tray, Controller Plinth
and 40 Tonne STAKKAbox Access Chamber

Manufactured from 2mm Utility grade 1.4003 Stainless Steel and polyester powder coated