Cabinet Bases

Low Level Cabinet Base

Applications:

Traffic Signals

The NAL Low Level Cabinet Base has been designed to simplify the installation, upgrading and replacement of all types of electrical control cabinets, where the overall height of the controller is crucial.

The system provides a sealed and vented base with a structural access chamber to base of the cabinet. It facilitates the connections of underground duct and cables into the cabinet without the need for hazardous base seal. It also simplifies the process of adding or replacing cables.

The gland tray is designed to provide an IP seal to all the different size cables depending on its application. The chamber beneath enables simple access to all the incoming cables via a manhole cover to the front of the cabinet base.

Advantages

- Eliminates the need for pea gravel or carcinogenic base seal
- Eliminates risk of rodent infestation
- Eliminates risk of underground gas build ups
- Allows simple replacement or additional cables to be installed
- Reduces the risk of cable theft during installation
- Separation of civils and electrical installation contracts
- No increase in cabinet height

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Low Level Cabinet Base Specification

Low Level Cabinet Base must enable the installation of controller cabinets without the need for base seal and pea gravel.

Low Level Cabinet Plinth should be manufactured from 2mm utility grade 1.4003 stainless steel polyester powder coated to match controller cabinets.

Low Level Cabinet Bases must be supplied with cable gland trays with sealing glands for all incoming cables. Any unused apertures within the gland tray must be supplied with a nylon blanking plug.

Low Level Cabinet Bases must to be manufactured with a minimum of 16nr louvre air vents with perforated steel mesh fixed internally to irradiate gas and condensation build up.

All Low Level Cabinet Base components must be linked with 6mm earth cables.

Both Plinth and Cable Gland Tray to be manufactured with pre-drilled fixing points for cabinet, castellation bars and earth points to suit the specific cabinet it is being used with. All components must be linked with 6mm earth cables.

Access chamber beneath plinth must be of twin wall construction which has been vertically load tested to EN124 D400 (40 tonnes) STAKKAbox™.

Access chambers must be manufactured from thermoplastic material which is both recycled and recyclable at the end of its product life.

Access chamber external walls shall have an external rib of width no greater than 15mm, positioned at the bottom of each section, to allow full section depth compaction.

Access chamber external walls shall be free from moulding voids that will negatively impact the effectiveness of compaction which should be in accordance with the New Roads and Street Works Act (1991).

Access chambers must have a min of 16nr 100mm duct entry points. These must be supplied with removable caps.

Access chambers must not be jointed in the corner or require mechanical fixing to achieve strength.

Access chamber sections must be capable of being cut laterally to allow for transitional gradient installations.

Low Level Cabinet Bases are to be supplied to the above specification by NAL Ltd or any equally approved manufacturer.

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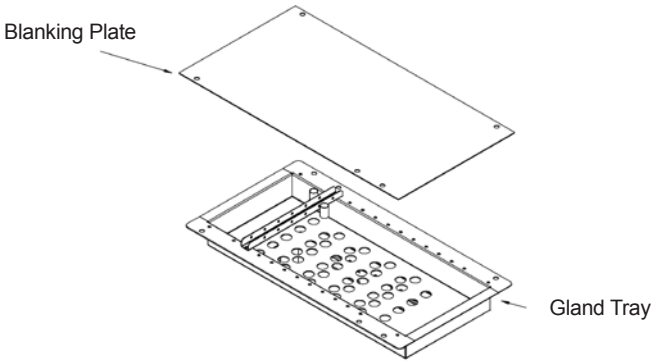

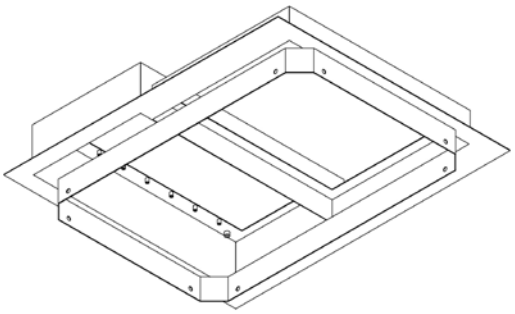

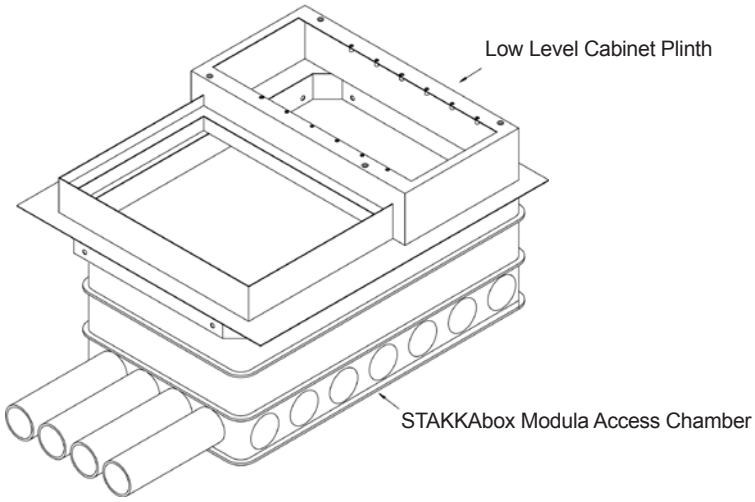

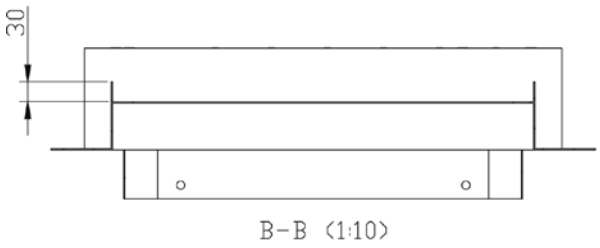

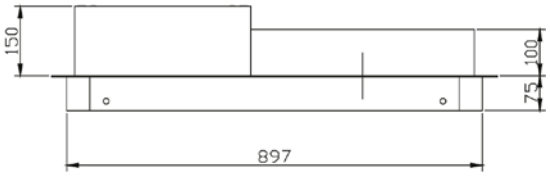

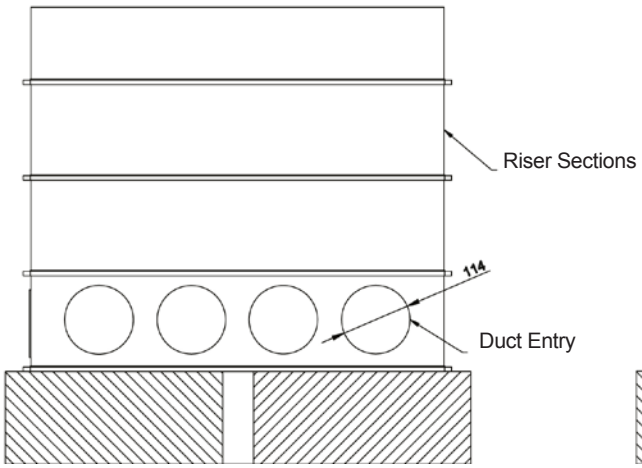

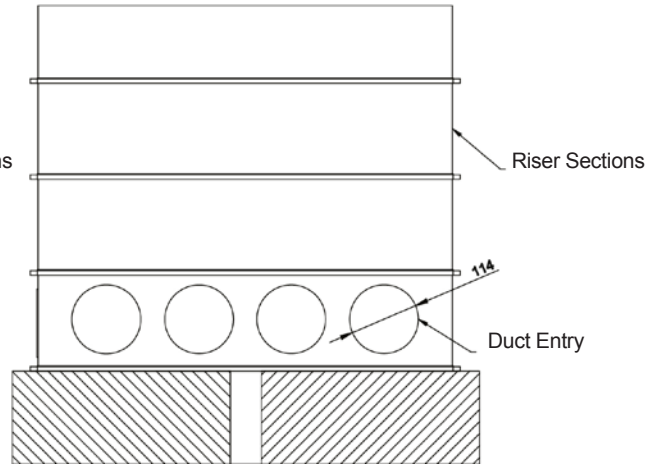

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