



The NAL MCX Cabinet Base is a patented system designed to simplify the installation, upgrading and replacement of all types of Motorway Communication Cabinets.

The system offers a fully ventilated base unit to the cabinets and facilitates the connection of underground duct and cables whilst removing the requirement for pea gravel and hazardous base seal.

Additionally the system removes many of the installation hazards and problems associated with the traditional 610 plinth. It simplifies the cabling of the cabinets whilst allowing for future change.

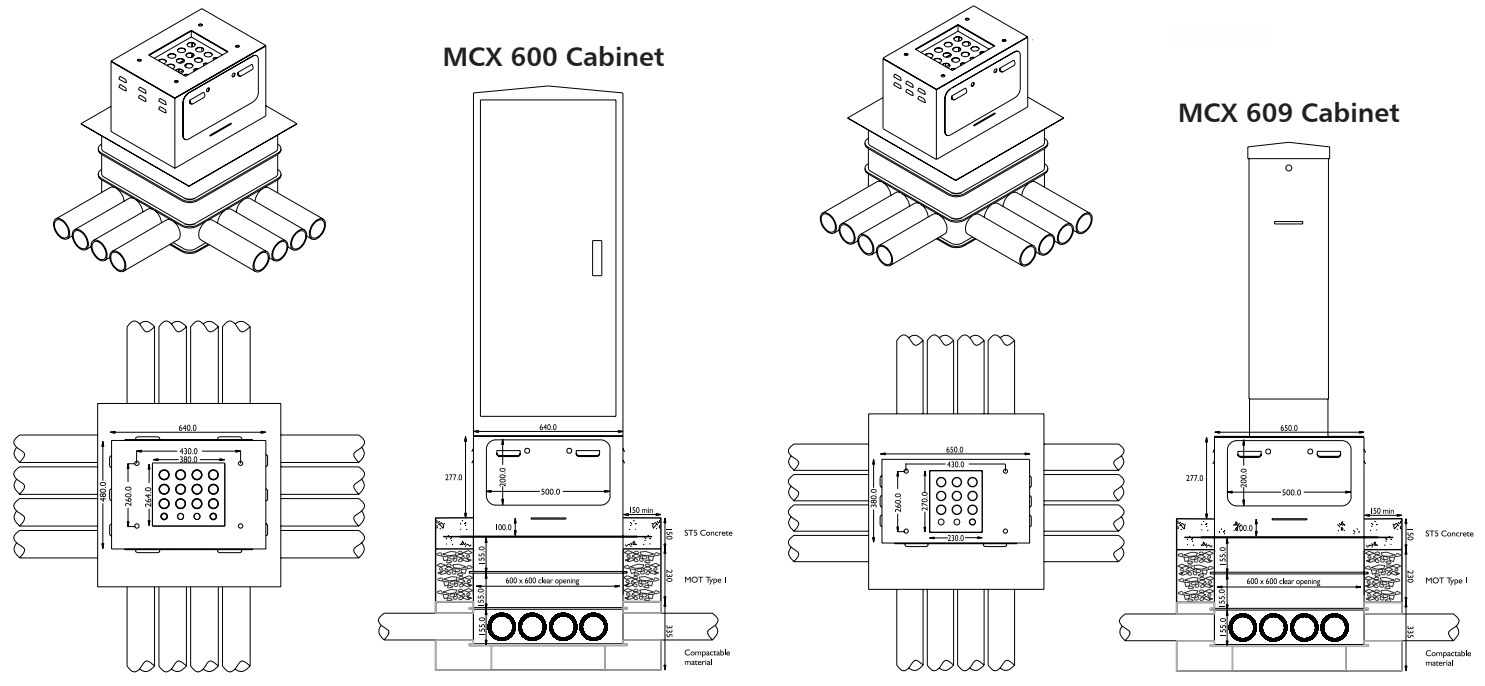
Advantages

- ◆ Lightweight - two person lift, eliminating all mechanical lifting requirements
- ◆ Eliminates the need to cast plinths on site
- ◆ No requirement for carcinogenic base seal and pea gravel
- ◆ Enables 16nr x 110mm duct entries
- ◆ Straight duct connections so there is no risk of cable snagging
- ◆ No need for duct bungs
- ◆ IP68 glands used with all incoming cables
- ◆ No requirement to position or bend ducts in line with equipment within the cabinet
- ◆ Reduces plinth installation time by 50%
- ◆ Simplifies the method of cabling cabinets
- ◆ Improved working height for installation and maintenance engineers
- ◆ Allows future cables to be added simply, without the need to disconnect the cabinet, or remove base seal or remove base seal



MCX 600 / 609 Cabinets

Gland tray drilled to client specific specification.



NAL MCX Cabinet Base Specification

MCX Cabinet Base must enable the installation of 600, 617 and 609 Motorway Communications Cabinets without the need for base seal and pea gravel

MCX Cabinet Plinth should be manufactured from 2mm utility grade 1.4003 stainless steel polyester powder coated to match Motorway Communication cabinets

MCX Cabinet Bases must be supplied with cable gland trays with IP68 glands for all incoming cables. Any unused apertures within the gland tray must be supplied with a nylon blanking plug

MCX Bases must to be manufactured with a min of 1 6nr louvre air vents with perforated steel mesh fixed internally to irradiate gas and condensation build up

All MCX 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 all UK Motorway Communication MCX Cabinets. All components must be linked with 6mm earth cables

MCX Cabinet Bases must be supplied with 2nr lockable cable access doors

Access Chamber beneath plinth must be of twin wall construction which has been vertically load tested to EN 124 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 1 6nr 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

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



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