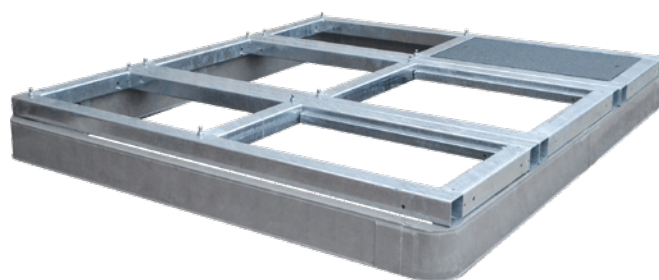




Cabinet Bases

EV Cabinet Base



Applications:

Transformers and power/ communications cabinets

The NAL EV Charging Cabinet Base is an innovative, modular system designed to serve as a secure foundation for all types of EV charging cabinets. The system facilitates both the civils and cabling phases of installation, keeping both entirely separate. Future maintenance works are also simplified, providing greater accessibility to equipment and cables, as well as the adaptability for any type of future upgrades or cabinet changes.

The system is comprised of a STAKKAbOX™ Ultima Connect access chamber, providing a positively ducted base. Modules for each cabinet are positioned and bolted down to the top of STAKKAbOX™. Each module provides an area for either a transformer, power or communications cabinet to sit upon, with a second area positioned in front of the cabinet for a composite manhole cover, providing access to cables and equipment.

Features and Benefits

Installation

- ◆ Increases incoming duct capacity by up to 400%
- ◆ Simple horizontal duct connection from all directions
- ◆ Eliminates the requirement to bend incoming ducts vertically
- ◆ No requirement for specialist lifting equipment
- ◆ Lightweight, adaptable, structural access chamber enables simple installation in congested sites
- ◆ Removes the requirement for additional access chamber in front of cabinet
- ◆ Reduces installation time by up to 80%
- ◆ Separates civils and cabling works
- ◆ Enables traffic management removal and public access on completion of civils works



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Features and Benefits

Cabling

- ◇ Eliminates the requirement for base seal
- ◇ Removes cable snagging points
- ◇ Simplifies cable installation
- ◇ Reduces risk of cable theft during installation
- ◇ Installation time reduced by up to 50%
- ◇ Improved working height for installation and maintenance engineers
- ◇ Removes risk of condensation to cabinets

Future

- ◇ Simple addition or removal of future cables in a fraction of the time and cost over traditional installations
- ◇ Allows simple upgrade to plug and play system
- ◇ Removes risks of rodent infestations

EV Cabinet Base Specification

The Cabinet Base system is to be constructed using thermoset glass reinforced polymer (GRP) stackable twin wall access chamber capable of withstanding a minimum of F900 (90T) vertical load.

Access chambers must have the ability to be constructed to any dimension within 100mm but must not have joints or corner sections.

It must have a heat deflection temp of >200°C and a reaction to fire, D -S3, D0 (EN13501), reaction to fire (single flame source), pass @ 30SEC (ISO 11925-2).

It must have a co-efficient of linear thermal expansion < $33 \times 10^{-6} \text{M/M}^\circ\text{C}$ (ISO 11359-2).

All Cabinet Modules must be constructed from galvanised steel.

Cover Modules must be anti-slip lightweight composite capable of withstanding a minimum A15 (1.5T) vertical load.

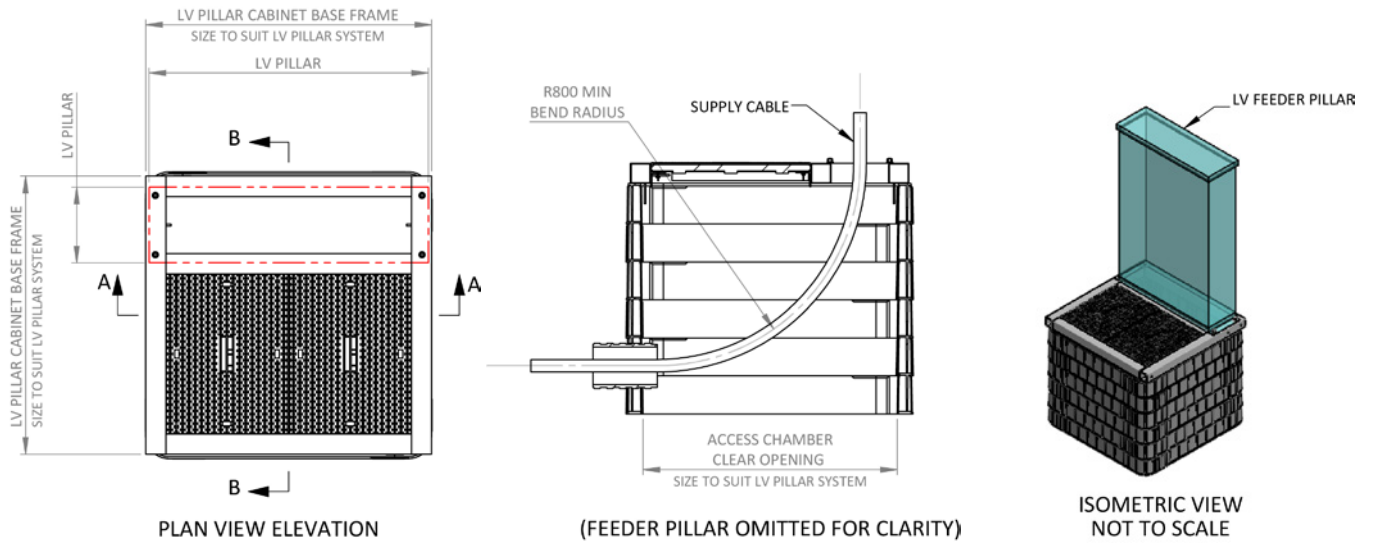


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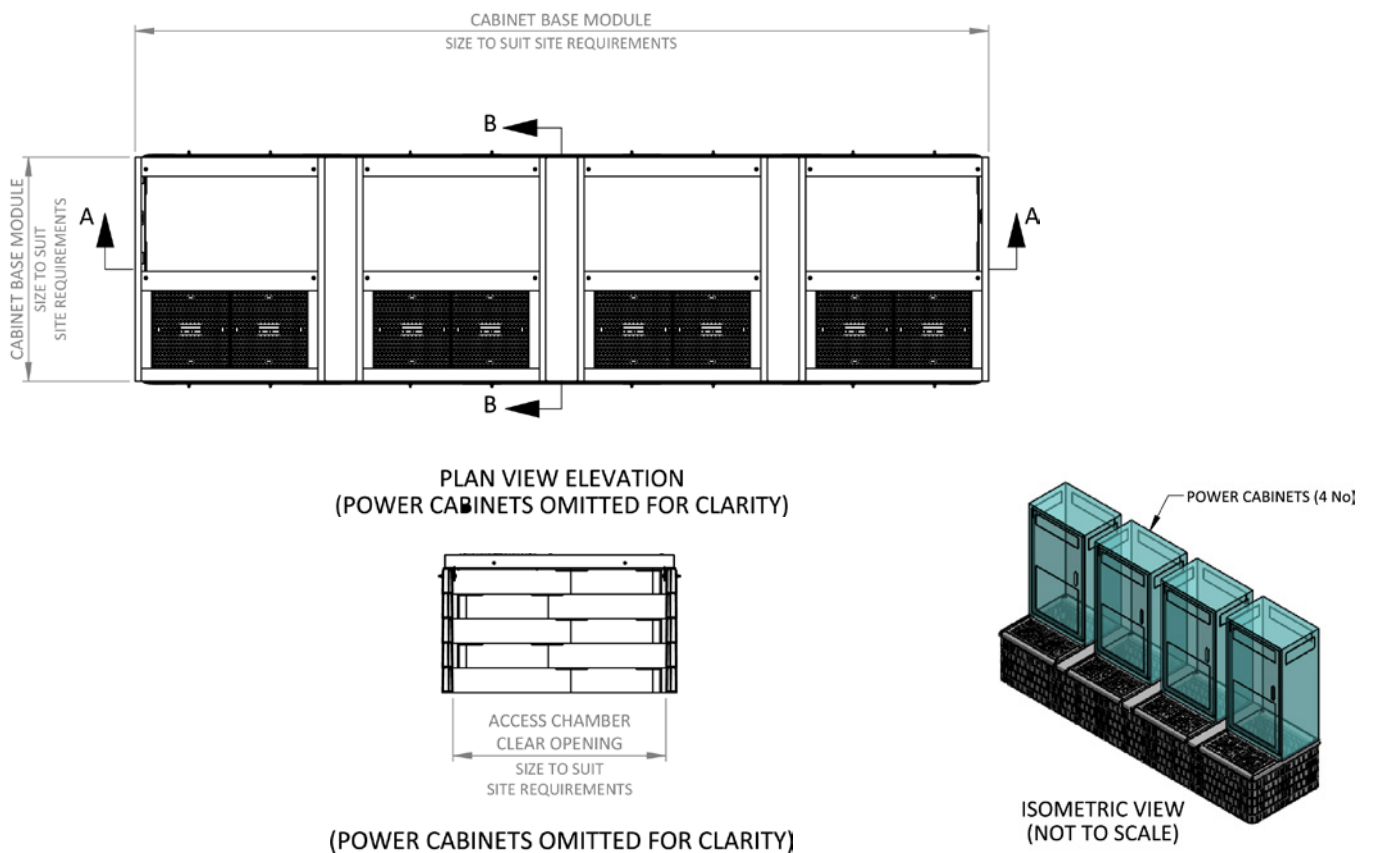
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