

**Fence Type :** Slopped Surface / Level Top

**Fence Style :** Post / Picket

**Fence Material Options :** Galvanized Steel  
Stainless Steel  
Aluminium

**Fence Finish :** Powder Coat

**Drive Unit :** 24 Volt

**Brief Description :** The Fancy Fence system is based on gates that disappear into the ground when opened. They can be assembled together to form a retractable fence of any length. The use of standard components that are commonly associated with sliding gates allows this unique solution to be extremely simple and reliable. The gate leaf and drive mechanism are located in a sealed reinforced concrete vault in the ground.

The use of large counterweights enables the use of conventional and easily available low power electric drives, which guarantee reliability, ease of operation and maintenance of the entire drive system.

**Concept :** A Fancy Fence gate features a very short full opening/closing time, which is several times shorter than in the case of other types of gates available in the market. The secret is that the distance to be traveled by the leaf to open/close the gate is more than twice as short as in other gates and thanks to the use of counterweights, faster speeds can be used in the drive unit.



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**Installation :** To achieve the desired effect, the Fancy Fence system is installed by dedicated, specialized and fully trained installation teams. Before the commencement of every installation, the site conditions are carefully analyzed, and installation takes place with a precision that guarantees the highest quality.

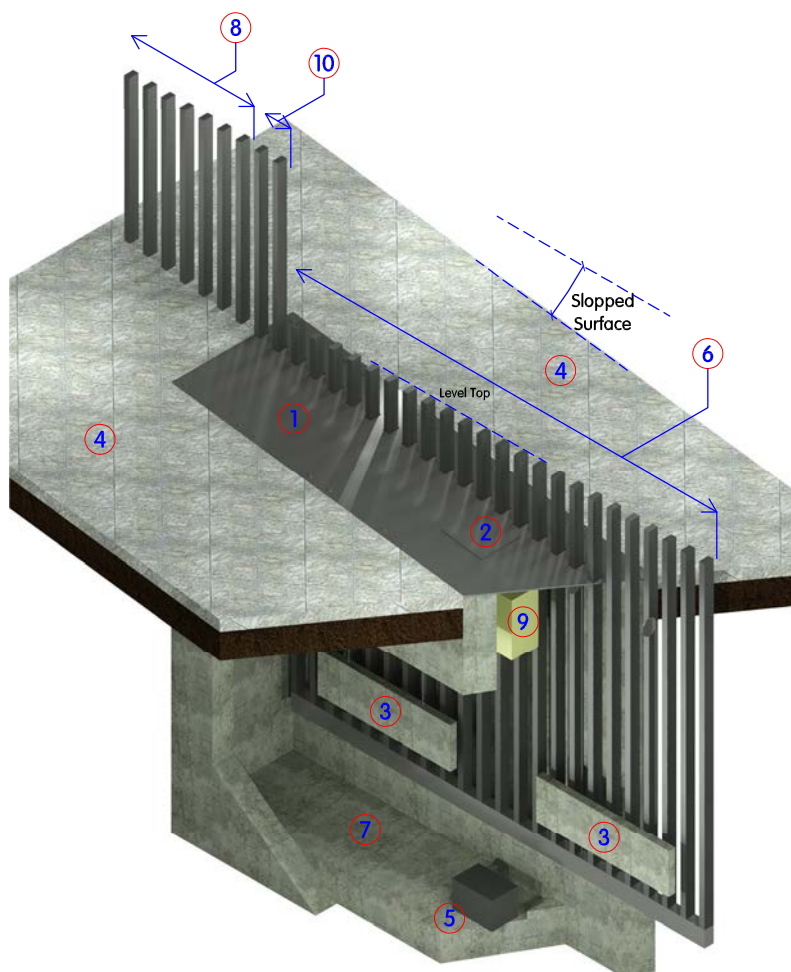
At the same time, unique customized methods and tooling specifically prepared for the Fancy Fence system enable the installation work to be conducted in the most suitable manner for this type of work.

**Enhanced Safety :** Fancy Fence gates are fitted with sensor systems that are aesthetically mounted on the outer components of the fence. At the instance that the light beam is broken by any object, the safety system is immediately activated.

Fancy Fence gates are safe, even if other safety systems fail. This is due to the unique design of our gates which do not incorporate another fixed object that the gate would induce a crushing force when closing.

**Cover Plates :** There are various cover plate options. The standard cover plate is made from mild steel that is then covered with a polyurethane and a non-slip coating. Recessed units are suitable for concrete, to match surrounding areas, tiles, cobble stones and pavers. Other materials can be used, only after consultation with our Fancy Fence technical staff.

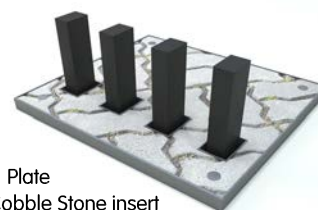
All cover plates are fixed inplace with recessed stainless steel fixings. All recessed cover plates have stainless steel edges.



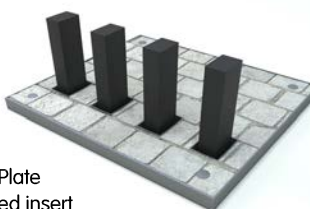
- |                                |                       |                         |
|--------------------------------|-----------------------|-------------------------|
| ① Removable Cover Plates       | ⑤ Water Drainage Pump | ⑧ Fixed Fence           |
| ② Manual Mode Inspection Plate | ⑥ Moving Fence        | ⑨ Drive Unit            |
| ③ Counter Weight               | ⑦ Reinforced Concrete | ⑩ Removable Fence Vault |
| ④ Driveway                     |                       |                         |



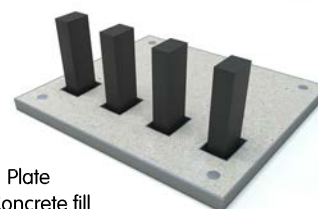
Cover Plate



Cover Plate with Cobble Stone insert



Cover Plate with Tiled insert



Cover Plate with Concrete fill

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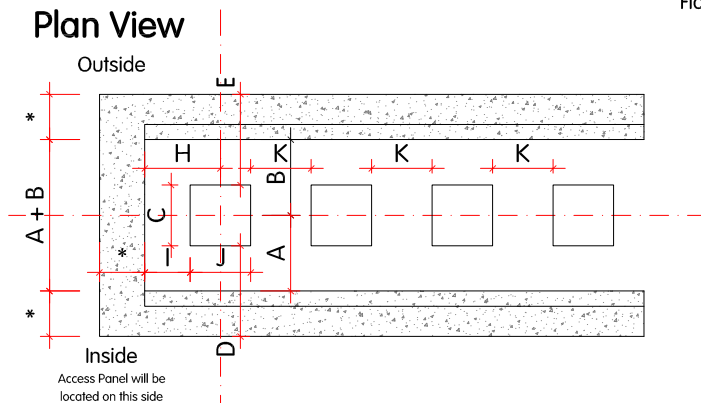
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Drive Unit : 24 Volt

**Custom Design :** Please note that all chosen values that differ from the standard dimensions are custom and therefore require a custom / special design, as not all requested values are possible, depending on the combination of values. This also applies to the requirement of the type of material to be used as the "Post / Pickets" and / or "Cladding" and if the post requires any sort of plan rotation.

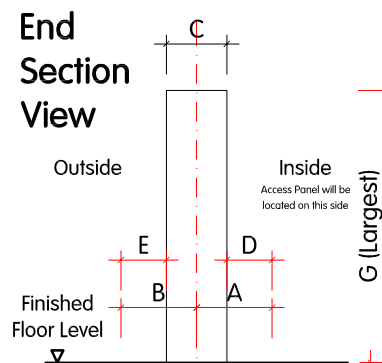
| Ref. | Standard Dimensions | Allowable Range  |
|------|---------------------|------------------|
| A    | 650mm               | (600mm to 650mm) |
| B    | 150mm               | (150mm to 180mm) |
| C    | 75mm                | (33mm to 150mm)  |
| D    | 600mm               | (500mm to 600mm) |
| E    | 125mm               | (125mm to 150mm) |
| F    | 16mm                | (16mm to 100mm)  |
| G    | 2350mm              | (<3500mm)        |
| H    | 125mm               | (50mm to 125mm)  |
| I    | 25mm                | (25mm to 100mm)  |
| J    | 50mm                | (33mm to 300mm)  |
| K    | 100mm               | (80mm to 100mm)  |

## Plan View

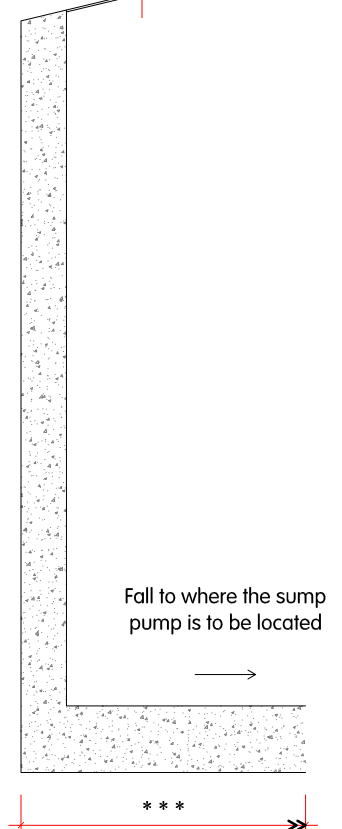
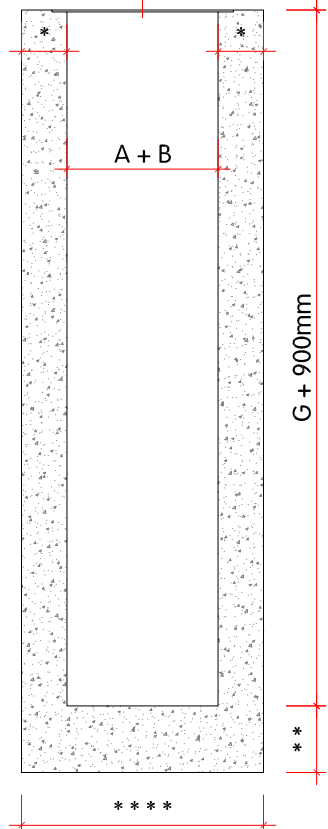
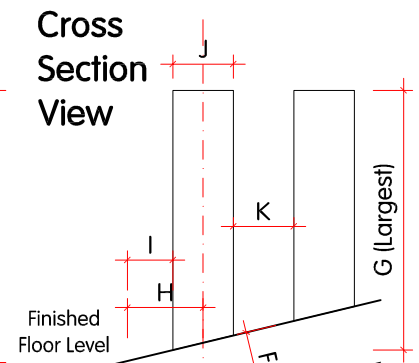


- \* The minimum thickness of the vault wall is determined by the requirements of the structural engineer.
- \*\* The minimum thickness of the vault floor is determined by the requirements of the structural engineer.
- \*\*\* The main length of the vault is determined by the opening / fence required and to the design of the structural engineer.
- \*\*\*\* The main width of the vault is determined by the opening / fence required and to the design of the structural engineer.

## End Section View



## Cross Section View



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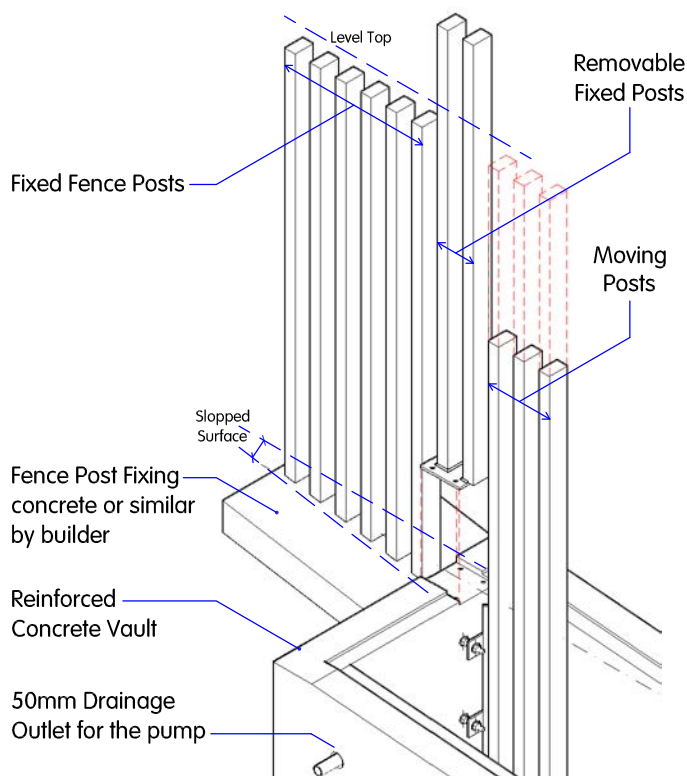
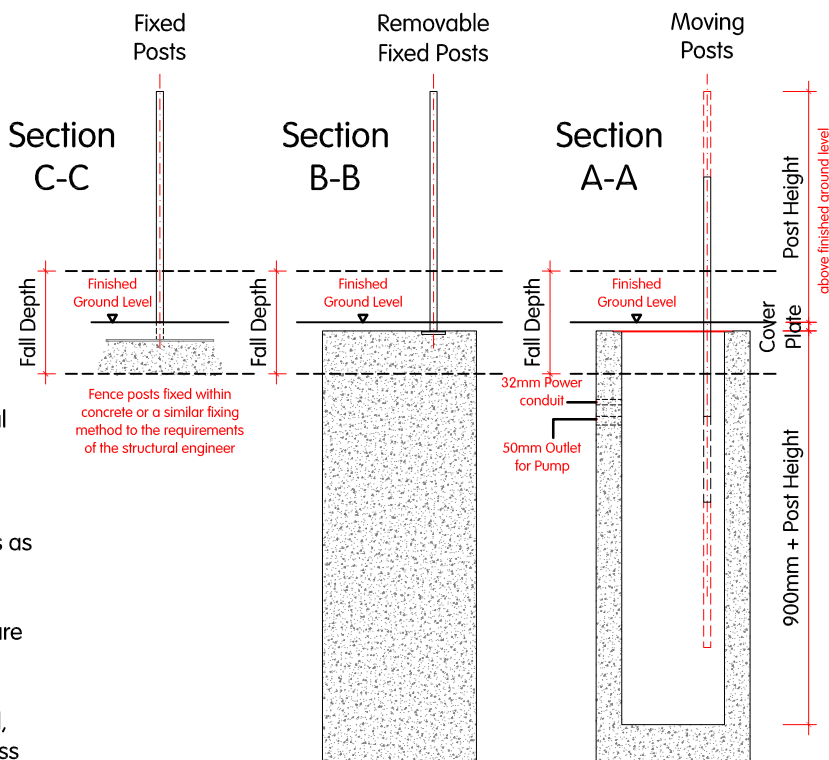
**Power Outage :** During a power outage, if the system does not have a battery back-up, which can be provided, the fence can be operated manually, by using the manual override lever which can be easily accessed via the inspection hatch.

**Maintenance :** Due to the use of similar components as used for sliding gates, there is no reason for retractable gates to be less reliable than sliding gates. As with other gates, the most common potential problems during use are with the drive system. This is why, it is easily accessible through the central cover plate. Any other mechanical breakdowns require the other cover plates to be removed, and this enables the service technician to have easy access to all of the components of the gate.

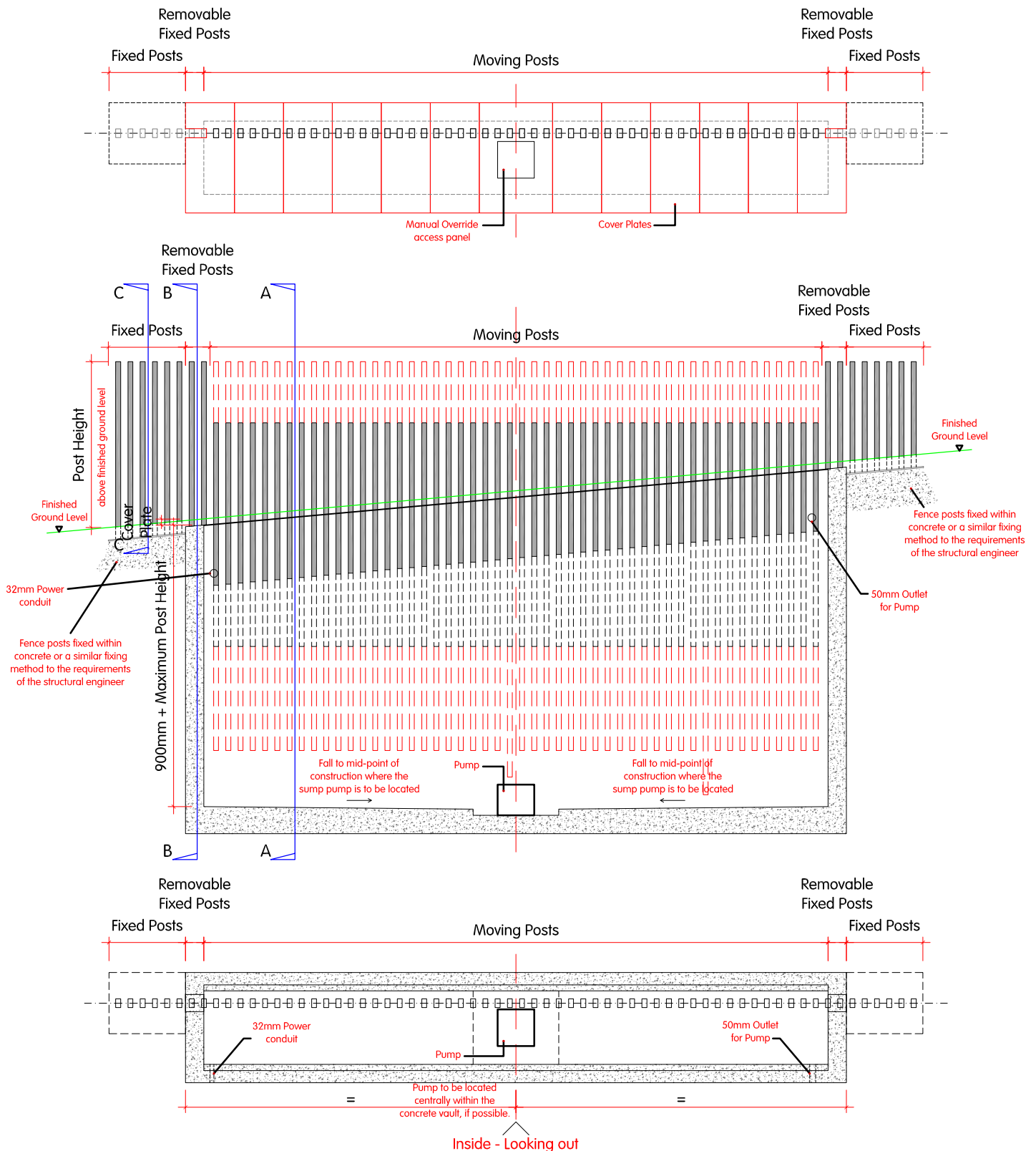
**Flooding :** Due to the complete waterproof sealing of the precast concrete vault, the only way for water to get inside the vault is through the holes in the cover plates of the vault. In the event that a large quantity of water gets into the vault, the pump located at the bottom of the vault will automatically pump out excess water.

**Site Information :** (Builder to allow for the following)

- For on-site concrete vault construction, it must be as per the Structural Engineers design, in conjunction with Fancy Fence required specifications.
- For pre-cast concrete vault construction, the concrete vault pit, must be clear of all formwork, debris and cleaned ready for the installation of the Fancy Fence system.
- Location of the 32mm Power Conduit and the 50mm Drainage Conduit to the requirements of the Fancy Fence system, for both formed and precast vaults.
- Before the precast concrete vault arrives on site, the site is to be prepared accordingly, by excavating the site to provide clearance from all external faces and to ensure that there is enough room to work around the base of the pit. Additionally, the appropriate foundation must also be completed. In addition the 'back fill' process, is to the requirements of the Structural Engineer.



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