

Manufacturer: Betafence Limited or equal or better specifications at no extra cost and approved by CA.

- Mesh and wire: Welded mesh spacing 76.2 mm vertical x 12.7 mm horizontal x 6mm vertical and 4mm horizontal wire diameter with intermittent 4mm double wires at 152.4mm centres on the rear face of panel. Weld strength 75% of the minimum tensile strength of the wire (tensile range 540-690 N/m²). Galvanised & polyester powder coated Black RAL: 9005

- Galvanised rectangular hollow section 80 x 60 x 2.0mm, with M8 threaded inserts fitted in the front face, complete with black coated Securfix 2D fixing bracket and M8 x 35 Countersunk Trilobe tamper proof bolts, posts polyester powder coated Black RAL: 9005
- Post centres: 2550mm.

- Securitor 2D satisfies the requirements for Category: 2 (Security) and Category: 3 (High Security) fences as prescribed by B.S. 1722 Part: 14 - Open Mesh Steel Panel Fences
- Upon receipt on site, or during storage off site, all care to be taken to ensure that no damage is incurred and that all precautions are taken against vandalism or theft.
- Materials and installation to be covered by a 10year BEKassure Guarantee.
- Subject to an inspection by an independent auditor on completion of works.

- As shown on drawings.
- Where possible fence posts should be placed between trees to avoid main tree roots.
- All excavations near to trees should be carried out with hand-held tools.
- Roots smaller than 25mm diameter may be pruned back.
- Roots greater than 25mm diameter should be left in situ and excavations moved to avoid or consult an arboriculturist.
- Different gradients are achieved by stepping adjoining panels and/or reducing the post centres and width of panel giving a maximum gradient of 1 in 10 (10%).
- Steeper slopes will require extra long posts, manufactured with additional threaded inserts.
- With posts set rigid, plumb and to specified depth, or greater where necessary to ensure adequate support.
- Panels that are cut on site are to be made good using a zinc-etch primer paint, followed by a top coat of Cromadex 222 polyurethane repair paint.
- With correct fixings and all components securely fixed.

Holes: Excavate neatly and with vertical sides.

Concrete mix: GEN1 or ST2 - to BS EN 206-1 using 20mm nominal size graded aggregates

Alternative for small batch: the mix should not be leaner by mass than 1 part cement to 10 parts 20mm nom graded aggregates

All concrete should be thoroughly compacted prior to the initial set.

Exposed concrete foundations

- Filling: Compact until air bubbles cease to appear on the upper surface.
- Finishing: Weathered to shed water and trowel smooth.

Gates to be 2.400m high and powder coated finished to Black ref. RAL: 9005 to match new fence system proposed.

- Single leaf access gate - Inward opening 180°. Complete with free standing gate posts, rear hung with fully adjustable hinges. Lockable ground bolts.

- Infill: 358 Welded mesh.
 - Locking System: Intercom Maglock required
- Serrated topping to deter scaling
- FINISH: Galvanised and polyester powder coated Black RAL: 9005

- Double leaf access gate - inward opening 180°. Complete with free standing gate posts, rear hung with fully adjustable hinges. Lockable ground bolts and Anti lift brackets.

- Infill: 358 Welded mesh
 - Locking System: Intercom Maglock required
- Serrated topping to deter scaling
- FINISH: Galvanised and polyester powder coated Black RAL: 9005

Some gates require a Magnetic Locking System to be fob operated to allow up to 100 users access.

Gates 1, 2 and 7 are to be linked to a Mobile phone GSM intercom system with remote operation automatic self-closers linked to the school main reception.

Gate 7 also requires CCTV linked to the reception desk to allow monitoring of pupil access to the sports halls.

Automation Gates
The Barn
20 Denby Common
Denby Village
Derbyshire
DE5 8PW
01773 512003
www.automationgates.co.uk
Or Similar and approved suppliers providing equal or better systems.

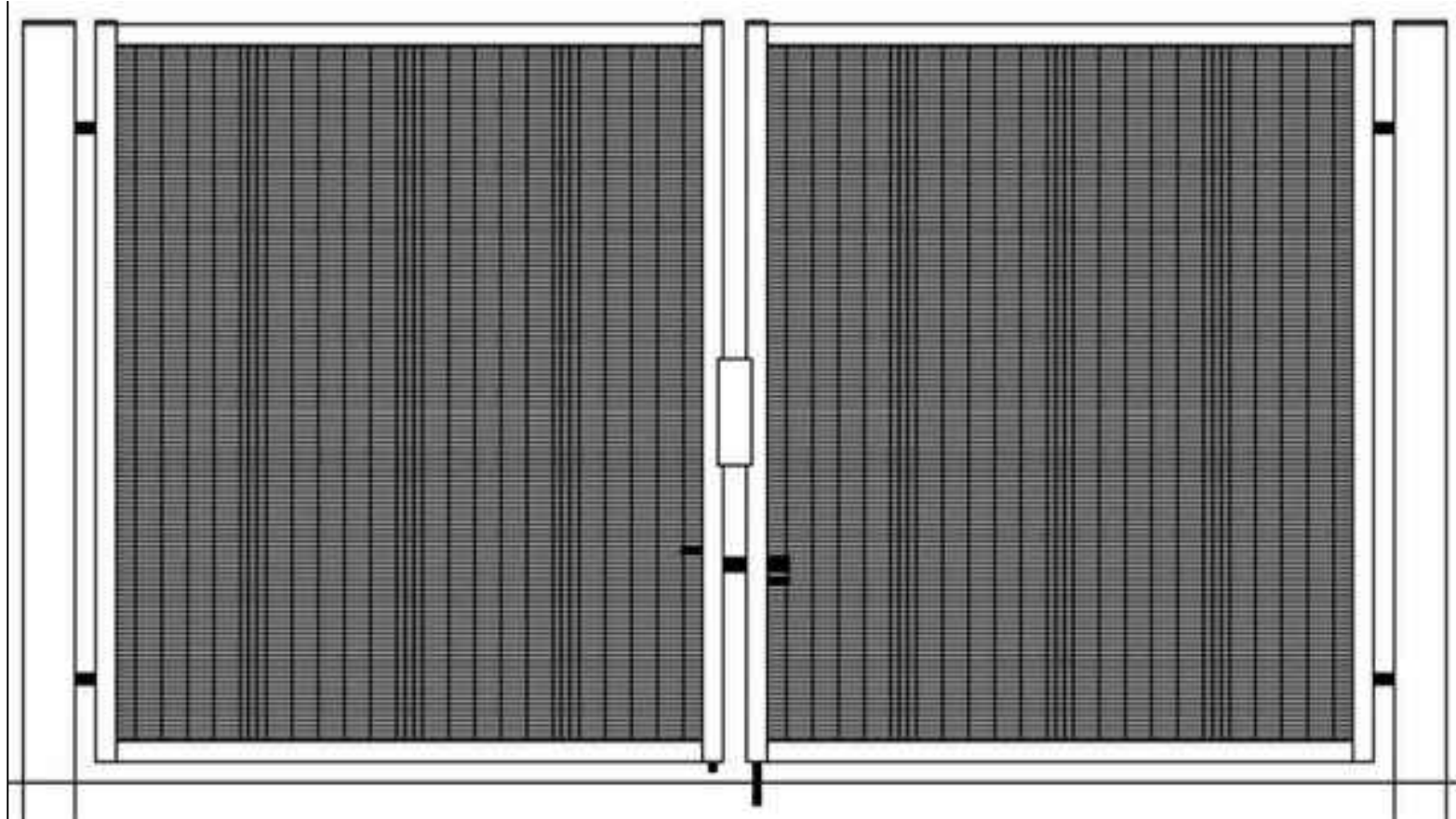
- Holes: Excavate neatly and with vertical sides.
- Concrete mix: GEN1 or ST2 - to BS EN 206-1 using 20mm nominal size graded aggregates
- Alternative for small batch: the mix should not be leaner by mass than 1 part cement to 10 parts 20mm nominal size graded aggregates
- All concrete should be thoroughly compacted prior to the initial set.
- Exposed concrete foundations
- Filling: Compact until air bubbles cease to appear on the upper surface.
- Finishing: Weathered to shed water and trowelled smooth.

Gate 1 - Size: 2400mm high x 5000mm wide	Double Gate	Intercom Access	Automatic Closure
Gate 2 - Size: 2400mm high x 3000mm wide	Double Gate	Intercom Access	Automatic Closure
Gate 3 - Size: 2400mm high x 2000mm wide	Single Gate	Access Control	Manual
Gate 4 - Size: 2400mm high x 5000mm wide	Double Gate	Access Control	Manual
Gate 5 - Size: 2400mm high x 3000mm wide	Double Gate	Mortice Lock	Manual
Gate 6 - Size: 2400mm high x 2000mm wide	Single Gate	Escape Lock	Manual
Gate 7 - Size: 2400mm high x 5000mm wide	Double Gate	Intercom Access/CCTV	Automatic Closure



Technical drawing of a fence panel. The panel is rectangular with a width of 2500 and a height of 2430. The panel is made of a mesh material. The panel is supported by three posts. The posts are labeled 'GL' (Ground Level). The panel is labeled 'Betafence Securifor 2D RHs post system 80x60x2mm. Posts centres 2550mm. Installed to manufacture instructions.' The panel is labeled 'Betafence Securifor 2D fence panel system as specification panel size 2400 x 2515mm'. The panel is labeled 'Post holes excavated 450x450x600mm. Installed to manufacture instructions.'

Maximum gap between bottom panel and existing ground contour not to exceed 50mm. No ground to be made up with post holes waste.

[illegible]