D5400

Steel cantilever sliding gate



5m
MAXIMUM SPAN*

30
CYCLES PER HOUR

230V
MAINS SUPPLY

An automated steel gate with Roger TW90 brushless drive, rack-and-pinion transmission and a comprehensive standard safety package. Configured around your entrance, infill and access requirements.

*Span, height and infill are interdependent. See the size qualification on page 3.

Technical basis: supplied D5400 sheet + manufacturer website

0113 403 5583 **enquiries@sentryautomation.co.uk** **sentryautomation.co.uk**

02 / ENGINEERING

Designed for movement. Built for daily use.

Steel cantilever construction

The gate uses a steel structure with a cantilever arrangement, avoiding a running track across the vehicle opening. The selected infill, gate dimensions and supporting structure must be coordinated as one assembly.

Roger TW90 brushless drive

The gate incorporates the Roger TW90 series electromechanical drive. Brushless motor control supports precise movement, efficient operation and reduced wear. The published gate duty is 30 cycles per hour.

Integrated tower access

An access door within the tower opens to an internal mounting backplate with an auxiliary power supply. This space accommodates radio-control interface boards and associated accessories, keeping control hardware within the gate assembly.

Compact entrance format

The manufacturer positions the D5400 for residential and light-commercial use, with a reduced channel and stanchion profile. Coordinate the gate envelope and supporting structure with the selected infill and site layout.

LAYOUT IS PART OF THE DESIGN

Allow for the complete gate length, backrun, foundations, support posts, service access and protected travel zone. Use the generic drawings for coordination, then obtain an approved project-specific drawing.

Technical basis: supplied D5400 sheet + manufacturer website

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03 / TECHNICAL SCHEDULE

The specification. With clear size limits.

Gate type	Automated steel cantilever sliding gate.
Maximum span	5m.
Maximum height	2m, depending on span. Confirm the selected combination.
Drive unit	Roger TW90 series electromechanical brushless sliding-gate motor.
Drive range	Published TW90 series range: sliding gates from 600 to 800kg. Confirm exact motor variant and permissible gate weight; this is not the actual gate mass.
Mains supply	230V AC, 50Hz, 16A.
Opening / closing rate	Approximately 5 seconds per metre, adjustable.
Operating duty	30 cycles per hour.
Control compartment	Tower access door; internal mounting backplate with auxiliary power supply for accessories.
Safety system	Six Category 3 safety edges; dual-height photocells on both sides; top-mounted ASO Indus kit within the top roller channel; integrated drive force detection; flashing beacon / sounder.
Emergency stop	Listed on the current manufacturer product page; confirm the supplied arrangement.

CONFIRM THE COMPLETE CONFIGURATION

Maximum span and height are subject to the selected infill and gate design. Obtain the approved project drawing for the actual gate dimensions, runback, foundation arrangement and safety-device positions.

Technical basis: supplied D5400 sheet + manufacturer website

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04 / SAFETY & FINISH

A coordinated system. A finish to suit the site.

Standard safety equipment

Six Category 3 safety edges and dual-height photocells on both sides of the gate are described in the supplied brochure, together with a flashing beacon / sounder. The current website also lists an emergency stop; confirm its position in the final equipment schedule.

ASO Indus and force detection

The ASO Indus kit is top-mounted and concealed within the top roller channel. Force detection is integrated into the Roger TW90 drive. Coordinate these measures with the installation geometry, operating mode and final safety-device positions.

Infill options

The supplied information lists vertical steel tubes, welded mesh and palisade, plus composite boarding and timber cladding. Bespoke sheet-steel panels can incorporate laser-cut logos or branding. Confirm compatibility, weight, wind exposure and finish for the proposed assembly.

Colour selection

The supplied brochure states that vertical-bar or sheet infill can be supplied in a standard RAL reference without an additional non-standard colour charge. Confirm the selected finish, colour and commercial allowance in the quotation.

DESIGN THE COMPLETE ENTRANCE

Coordinate access control, pedestrian routes, gate clearances and the protected runback area. The standard equipment list does not replace the assessment and commissioning of the installed gate.

Technical basis: supplied D5400 sheet + manufacturer website

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05 / PROJECT COORDINATION

From opening dimensions to an installed entrance.

Opening & handing	Clear opening width, required height, sliding direction, road levels and adjoining fence / wall interfaces.
Runback & access	Full retracted gate envelope, counterbalance tail, service clearances and vehicle swept paths.
Groundworks	Ground conditions, foundation design, reinforcement, fixing arrangements, ducts and drainage.
Power	230V / 50Hz / 16A supply provision; cable route, isolation and protective-device requirements.
Gate appearance	Infill type, transparency, RAL colour, branding and any anti-climb detail.
Operation	Traffic duty, opening rate, timed opening, access control, visitor calling and authorised user management.
Safety & interfaces	Edge / photocell positions, protected travel zone, emergency stop, signage and interface requirements.
Handover	Approved drawings, commissioning records, operating instructions and maintenance arrangements.

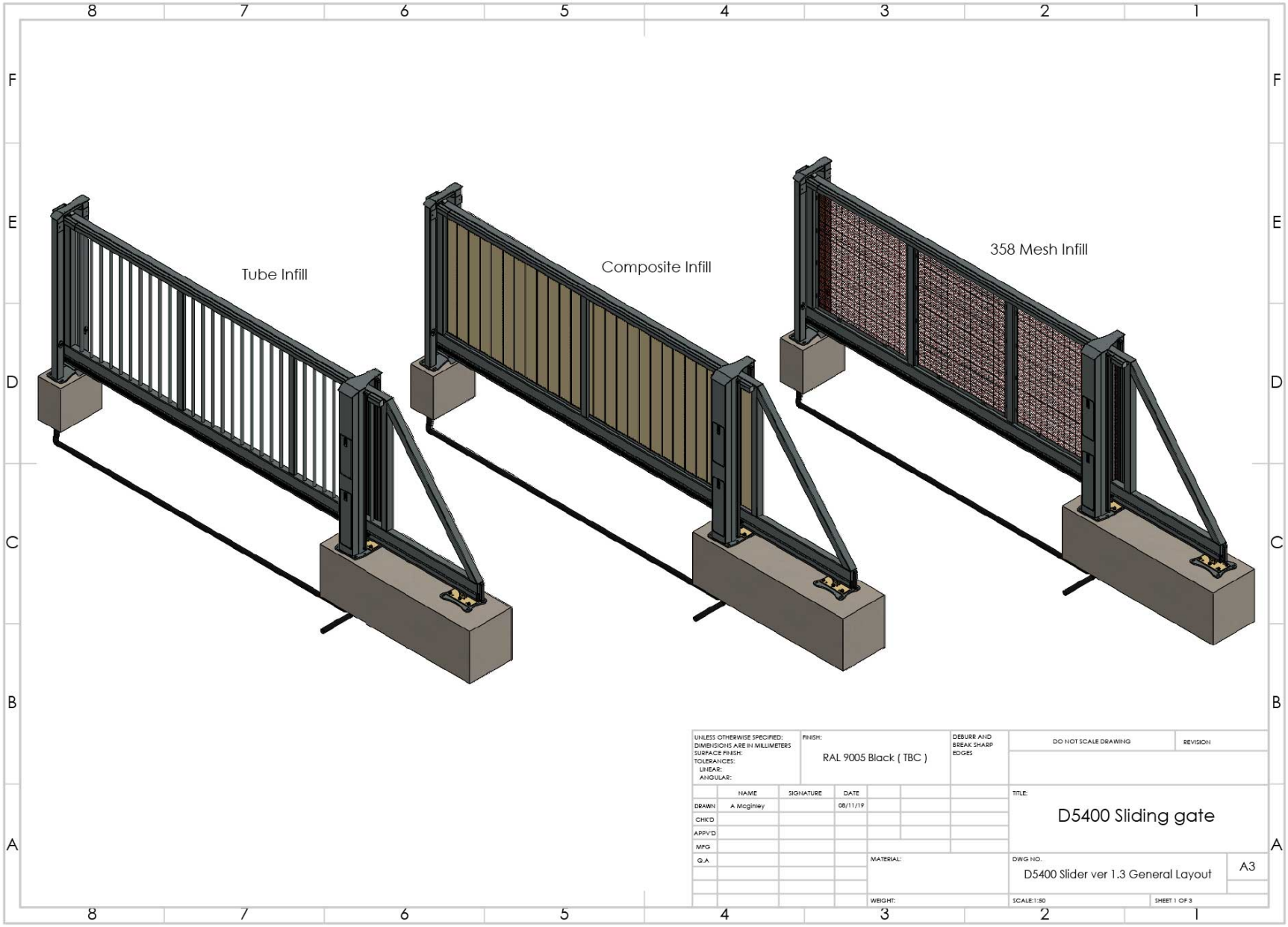
DRAWING NOTES

The following sheets reproduce manufacturer generic layout Version 1.3 for reference. They illustrate infill arrangements and generic foundation / clearance geometry. Do not scale them or use them as a project-specific civil or fabrication design.

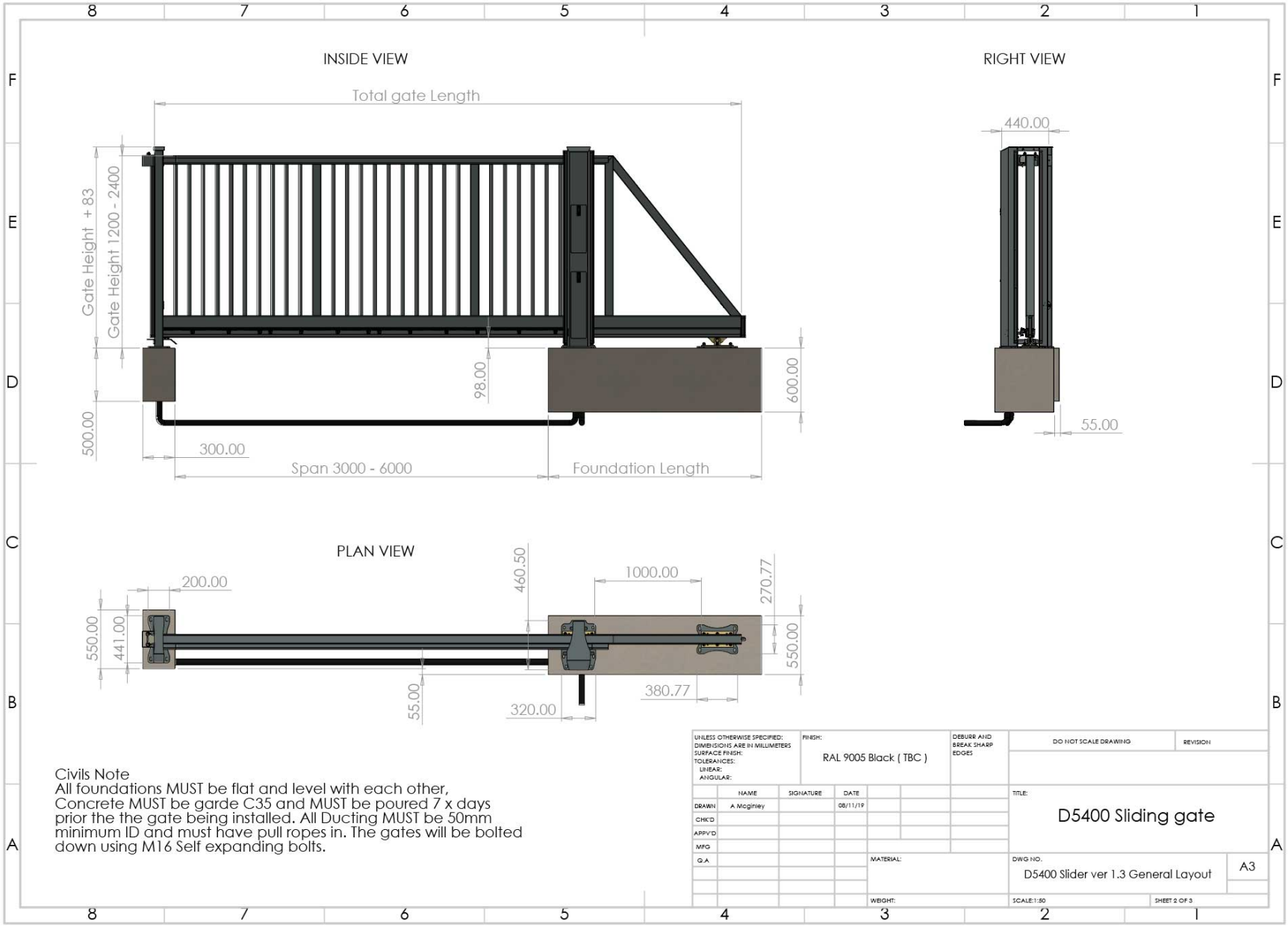
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Technical basis: supplied D5400 sheet + manufacturer website

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Manufacturer generic drawing / D5400 LAYOUT Ver 1.3 / reference only. Confirm all geometry and foundations on the approved project drawing. Do not scale.



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