D5700

Aluminium cantilever sliding gate



12m
MAXIMUM SPAN*

100%
DUTY CYCLE

230V
MAINS SUPPLY

An automated aluminium gate with inverter-controlled 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 D5700 sheet + manufacturer website

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

02 / ENGINEERING

Designed for movement. Built for daily use.

Aluminium cantilever construction

The gate uses an aluminium 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.

Inverter-driven motor and gearbox

A FEIG control system with inverter drives a three-phase motor from a single-phase supply. Encoder feedback at the gearbox supports controlled positioning. The manufacturer supplies the gate pre-wired and factory tested for connection to the mains supply.

22mm steel drive rack

The heavy-duty steel drive rack bolts to the aluminium channel, providing rack-and-pinion transmission between the drive and gate leaf.

Top-mounted Indus kit

The assembly sits above the roller channel to help keep its key components away from debris, standing water and impact. This arrangement supports access for inspection and maintenance and reduces exposure to contamination within the channel.

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 D5700 sheet + manufacturer website

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

03 / TECHNICAL SCHEDULE

The specification. With clear size limits.

Gate type	Automated aluminium cantilever sliding gate.
Maximum span	Up to 12m, subject to height and selected infill.
Height / span envelope	Supplied sheet: 4m maximum height depending on span / infill; 12m maximum span, or 10m at 3m high. Current website: 12m span up to 3m high and 3m maximum height. See qualification below.
Drive unit	Three-phase motor and worm gearbox with rack-and-pinion transmission; inverter controlled.
Mains supply	230V AC, 50Hz, 16A.
Opening / closing rate	Approximately 4 seconds per metre, adjustable.
Duty cycle	100% published duty-cycle rating.
Control	FEIG control system with inverter, pre-wired and factory tested; gearbox encoder.
Drive rack	22mm-wide steel rack bolted to the aluminium channel.
Standard protection	Six Category 3 safety edges, dual-height photocells, cabinet emergency stop, hold-to-run keyswitch and flashing beacon / sounder.

SIZE CONFIRMATION REQUIRED

The supplied brochure and current website disagree on maximum height and the permitted height at full span. Treat the final width / height / infill combination as subject to written confirmation and an approved project drawing. A 12m × 4m gate is not established by either source.

Technical basis: supplied D5700 sheet + manufacturer website

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04 / SAFETY & FINISH

A coordinated system. A finish to suit the site.

Standard safety equipment

The published package includes six Category 3 safety edges, photocells at two heights, a cabinet-mounted emergency stop, a hold-to-run keyswitch and a flashing beacon / sounder. Final device locations and operating behaviour must suit the entrance and gate travel.

Protected safety-edge entry

Safety-edge entry apertures are located beneath the control-cabinet lid. Rubber edge profiles enter the enclosure without exposed external cut-outs, helping protect the lead-in from water, debris and mechanical damage while keeping the installation neat.

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.

Powder-coated finish

The manufacturer uses an automated coating process to control film thickness and coverage across the assembly. The website lists most standard RAL colours as standard; agree the exact colour, finish and any special coating requirements with 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 D5700 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

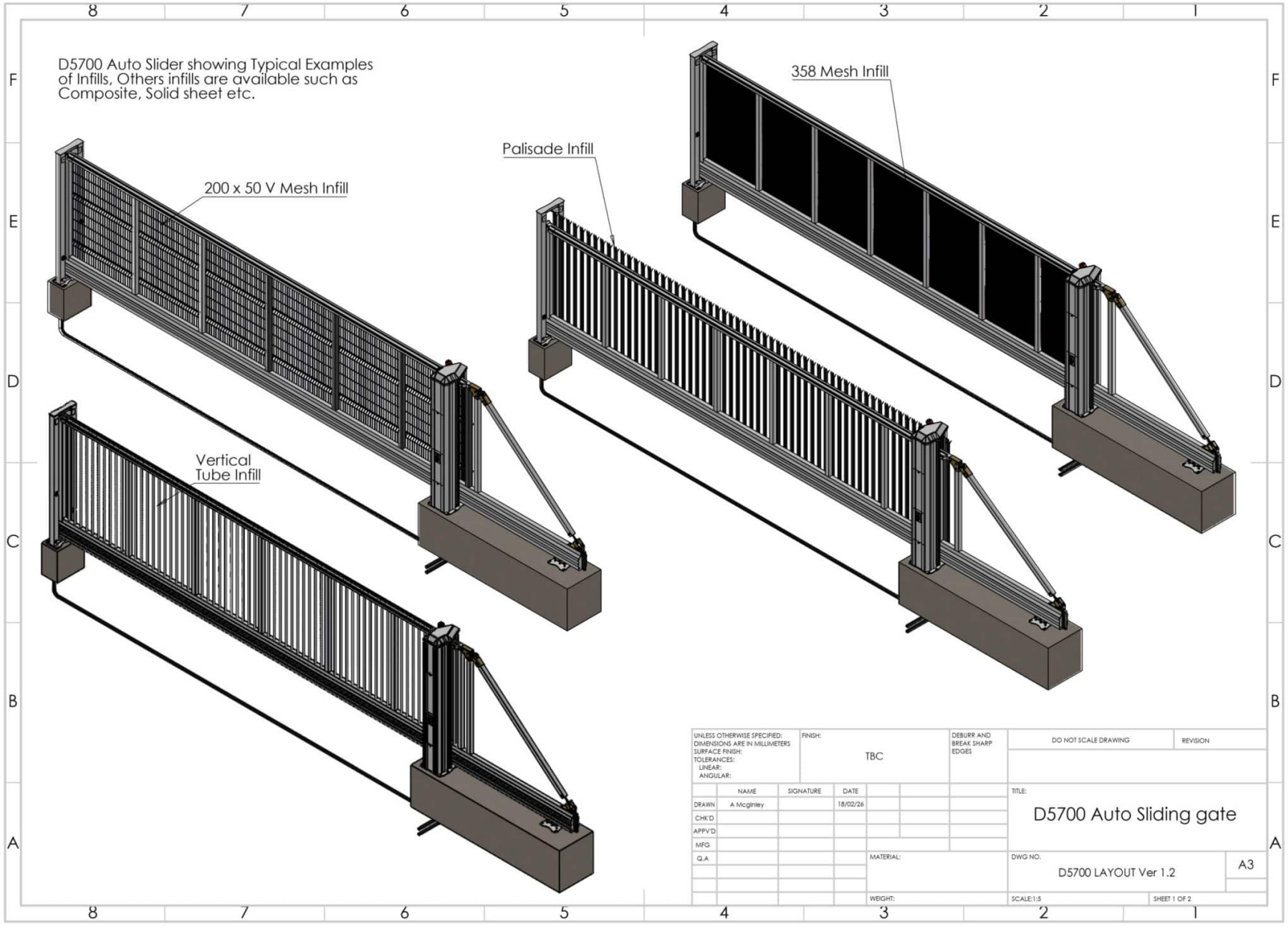
The following sheets reproduce manufacturer generic layout Version 1.2 for reference. They illustrate infill arrangements and generic foundation / clearance geometry. Do not scale them or use them as a project-specific civil or fabrication design.

SENTRY AUTOMATION / SUPPLY • INSTALL • MAINTAIN

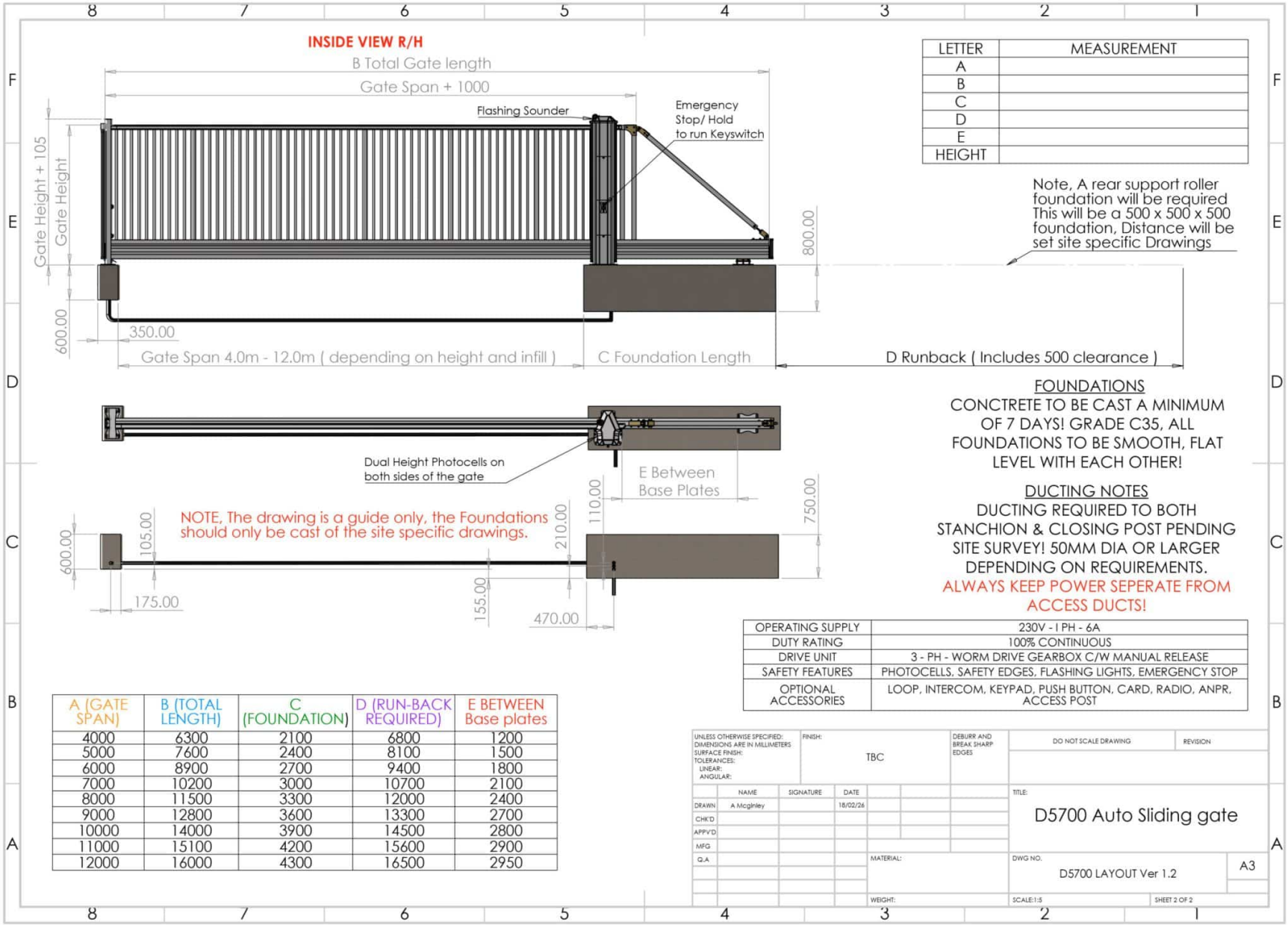
Technical basis: supplied D5700 sheet + manufacturer website

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D5700 / GENERIC INFILL ARRANGEMENTS



Manufacturer generic drawing / D5700 LAYOUT Ver 1.2 / reference only. Confirm all geometry and foundations on the approved project drawing. Do not scale.



LETTER	MEASUREMENT
A	
B	
C	
D	
E	
HEIGHT	

A (GATE SPAN)	B (TOTAL LENGTH)	C (FOUNDATION)	D (RUN-BACK REQUIRED)	E BETWEEN Base plates
4000	6300	2100	6800	1200
5000	7600	2400	8100	1500
6000	8900	2700	9400	1800
7000	10200	3000	10700	2100
8000	11500	3300	12000	2400
9000	12800	3600	13300	2700
10000	14000	3900	14500	2800
11000	15100	4200	15600	2900
12000	16000	4300	16500	2950

OPERATING SUPPLY	230V - 1 PH - 6A
DUTY RATING	100% CONTINUOUS
DRIVE UNIT	3 - PH - WORM DRIVE GEARBOX C/W MANUAL RELEASE
SAFETY FEATURES	PHOTOCELLS, SAFETY EDGES, FLASHING LIGHTS, EMERGENCY STOP
OPTIONAL ACCESSORIES	LOOP, INTERCOM, KEYPAD, PUSH BUTTON, CARD, RADIO, ANPR, ACCESS POST

	NAME	SIGNATURE	DATE
DRAWN	A Mcginley		18/02/26
CHK'D			
APPV'D			
MFG			
Q.A			

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS SURFACE FINISH: TOLERANCES: LINEAR: ANGULAR:
FINISH: TBC
DEBURR AND BREAK SHARP EDGES
DO NOT SCALE DRAWING
REVISION
MATERIAL:
WEIGHT:
SCALE:1:5
SHEET 2 OF 2

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