

SpeedStile2 EF

Full Panel Gate for Internal Installation

Technical Specification

Unit Dimensions:	Casework Length	(Normally Closed) 1448mm (Normally Open) 1932mm
	Casework Height	950mm
	Casework Width	300 mm
	Clear Walkway	550mm
	Panel Height	1200mm or 1800mm
Drive:	Motorised	
Materials:	Top:	Painted Polyurethane finished RAL 5013 (Cobalt Blue)
	Front:	Painted Polyurethane finished RAL 5013 (Cobalt Blue)
	Wing Housing:	Painted Steel finished to match Top and Front
	Inlay:	304 grade grained Stainless Steel
	Panels:	12mm Tempered Glass
	Side Doors:	Cobalt Grey 8.5mm 3 ply laminate safety glass
	Plinth:	304 grade grained Stainless Steel

Function: Passage in both directions electronically controlled. The SpeedStile is available in Normally Open (N/O) or Normally Closed (N/C) mode. In N/O the SpeedStile provides an always open walkway in rest position and will only close at unauthorised entry or tailgating attempts. This provides high flow rates and increased MTBF times.

In N/C the SpeedStile provides a closed walkway and will only open on acceptance of an authorised signal.

Drive Mechanism: The panels are moved by two linked mechanical arms. The arms are rotated by a torque shaft connected to the drive unit. The drive unit is a DC motor connected to a worm reduction gear and a bi-directional encoder. A microprocessor control system guarantees the precise movement and positioning of the wings.

The opening and closing speeds of the Panels are adjustable. A safety photocell prevents the Panels from closing on an obstruction. Should the normal panel operation be stopped by an obstruction, the controlling logic detects an abnormal condition and reverses.

The panels are locked in the open and closed positions by means of a mechanical system. When closed they can not be forced open.

Method of Operation: On receiving a signal from the access control system, or push button, the panels will open. If an unauthorised person tries to tailgate or attempts to enter from the opposite direction, the system detects the unauthorised passage and activates the in-built alarm system.

Presence sensing is achieved by 6 No. infrared sensors for the N/C version and 14 No. for the N/O.

Status Lights: 50mm diameter LED display Status Lights flush mounted within the SpeedStile lid top face. The Green badge symbol is continuously illuminated indicating passage is available. Upon authorisation a Green Arrow will illuminate in the direction of passage authorisation whilst in the opposite direction a Red cross symbol will illuminate to indicate the unit is not available for use or is already in use.

Power Failure: In the event of a power failure the panels will remain in the current position

Fire Alarm: Input facility is available for voltage free contact supplied by others to effect fail state.



Product Description

The SpeedStile EF Panelled entrance gates are the new systems for today's security requirements. Well proven techniques incorporating new design concepts with rapid operation and the use of modern materials form the basis for the SpeedStile range. Available in "Normally Closed" for obvious security or "Normally Open" for a more subtle presence.

Users include

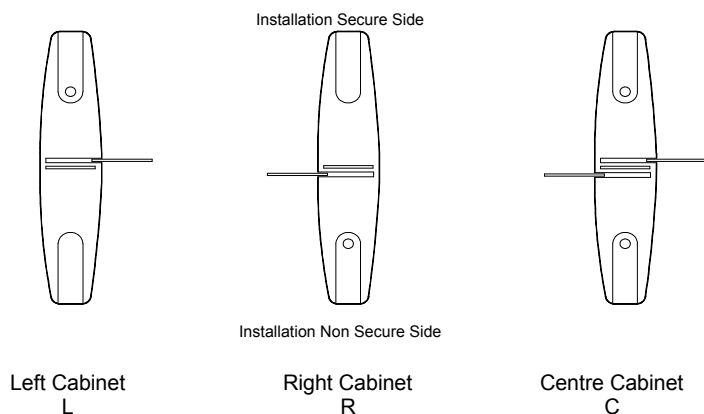
- Government
- Retail
- Finance
- Telecommunications
- Information Technology
- Banking
- Publishing
- Leisure
- Petrochemical
- Education

Regulate



Power Supply:	115/230 Volts AC 50/60 Hz	
Power Rating:	Stand by	10 VA
	In operation	300 VA
Logic Voltage:	24 Volt DC	
Installation Details:	The SpeedStile is delivered as a fully assembled unit and may require lifting gear off loading.	
Approximate Weight:	NC - Left or Right cabinet (L or R)	circa 160 - 170Kg per cabinet (EF - EFF)
	NC - Centre cabinet (C)	circa 210 - 220Kg per cabinet (EF -EFF)

Models Available



Note - All cabinet variants are available in either Normally Open or Normally Closed construction

Accessories and Optional Extras

Alternative Materials, Finishes and Custom Design

- Refer to Gunnebo Entrance Control Ltd for specific material design requirements.
- Alternative PUR RAL colours, finishes and effects.
- Inlay material options.

Cardreader Mounting (Please refer to Gunnebo Entrance Control Ltd for feasibility)

- Integration of customer supplied readers into the SpeedStile Top or Front inlays.
- Cardreader Pedestals.

Battery Back Up

- On power failure, the battery back up option will allow the wings to open (or close), stop and become inactive. The wings will remain in this position until power is restored.

Push Button Control

- Simple console to control SpeedStile wing release.
- Remote console to specific requirements.
- Casework mounted push button.

Additional Interface

- RS 485 Serial Interface

Traffic Flow Control

- LED Way Mode Indicator - Switching Red cross and Green arrow to indicate the unit is available for use
- Remote switching of unit for Traffic Flow.

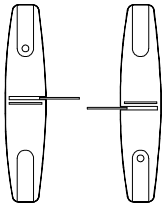
Counting

- LCD Counter
- Electro-mechanical Counter

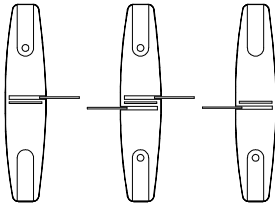
Installation Examples



SpeedStile General Lane Configuration



One Lane configuration comprising of 1N° L and 1N° R cabinets.



Two Lane configuration comprising of 1N° L, 1N° C and 1N° R cabinets

Status Light User Instructions (Dedicated user handout templates are available from Gunnebo Entrance Control Lts)

• Normal Use



Green Card (Rest mode)

- Present personal security card to the reader mounted on the unit for authorisation.
- Wait for the Green Arrow to illuminate and the barrier to open.



Green Arrow (Authorised use or designated free passage)

- Proceed through the unit.

Note - For FREE PASSAGE configuration, authorisation is not required and is normally used for EXIT only.



Red Cross (Unit in use or no passage)

- Wait until the passageway has been vacated and either the Green Card or Green Arrow to illuminate. (See above)

• Alarm Conditions



Flashing Red Cross and Audible Alarm (Fraudulent condition)

- This alarm mode will be activated via the following scenarios;

Passageway is already in use and a second person has attempted to follow through without authorisation. (Tailgating) OR Passageway is currently in use and you do not have right of passage.

- **Do not panic.**
- Vacate the passageway.
- Wait for the flashing Red Cross to stop flashing and the Audible Alarm to cease.
- Wait for the Green Arrow to illuminate to indicate who has the right of passage.



Flashing Green Card (Incorrect use mode)

- **Do not panic.**
- Remain in the walkway and present personal security card to the reader mounted on the unit for authorisation.
- Authorisation of passage will cancel the alarm condition.



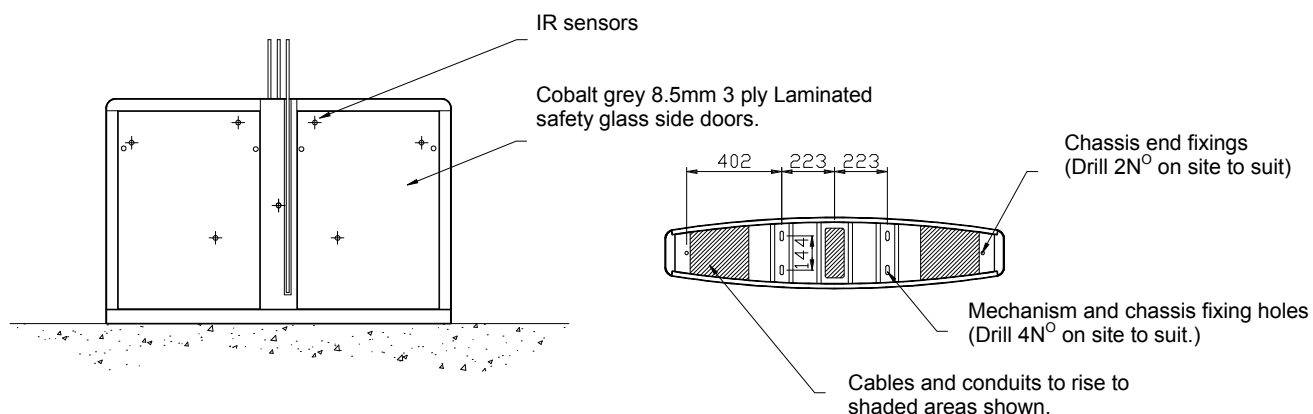
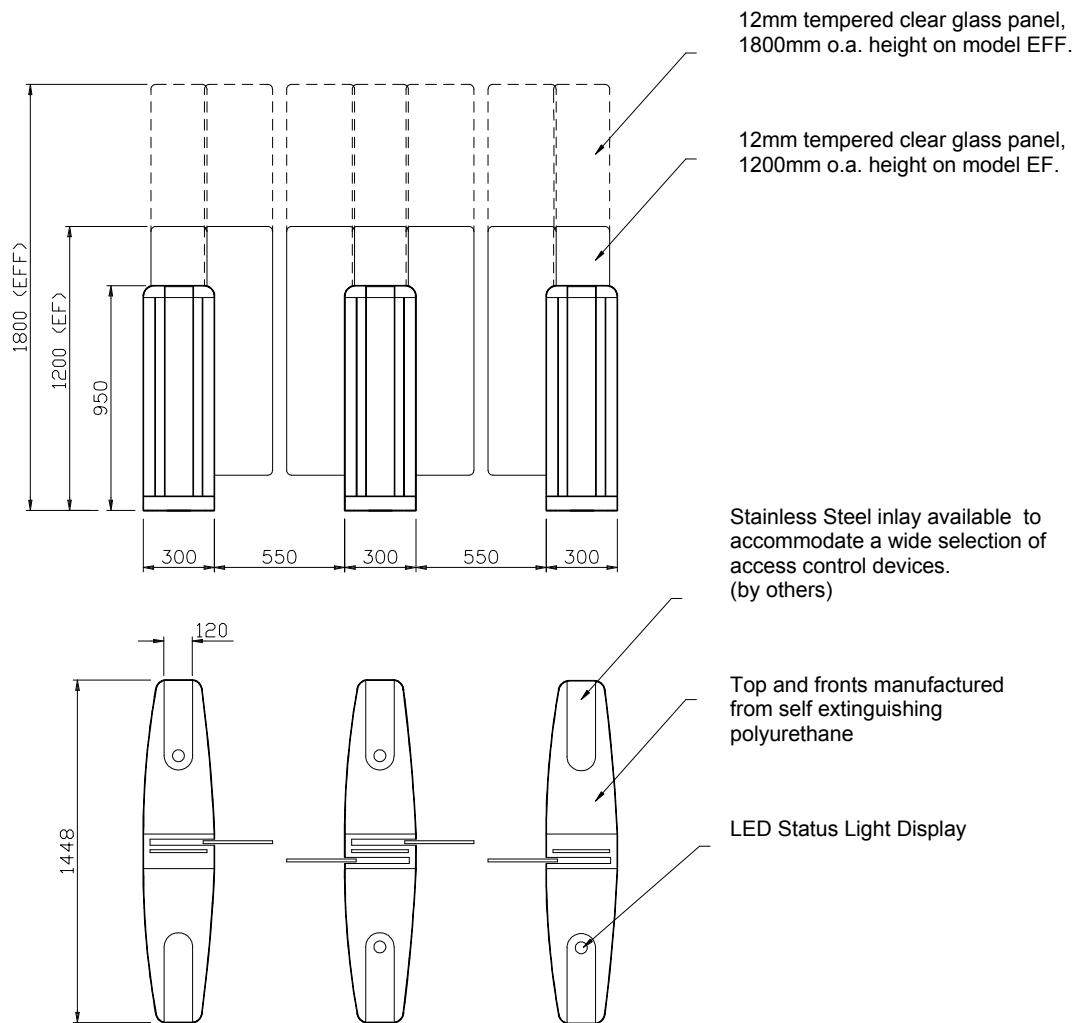
Flashing Green Arrow (Emergency / Fire Exit)

- **Do not panic.**
- There is FREE PASSAGE to evacuate through the gate

Site Preparation SpeedStile EF

Short Cabinet Normally Closed only

(Panels shown in closed position in Left, Centre and Right configuration)



Concrete to BS 5328:1997 specification, type ST5. Base to be flat and level to +/- 5mm over the SpeedStile footprint area. 2000 x 500 x 150 deep min, per cabinet

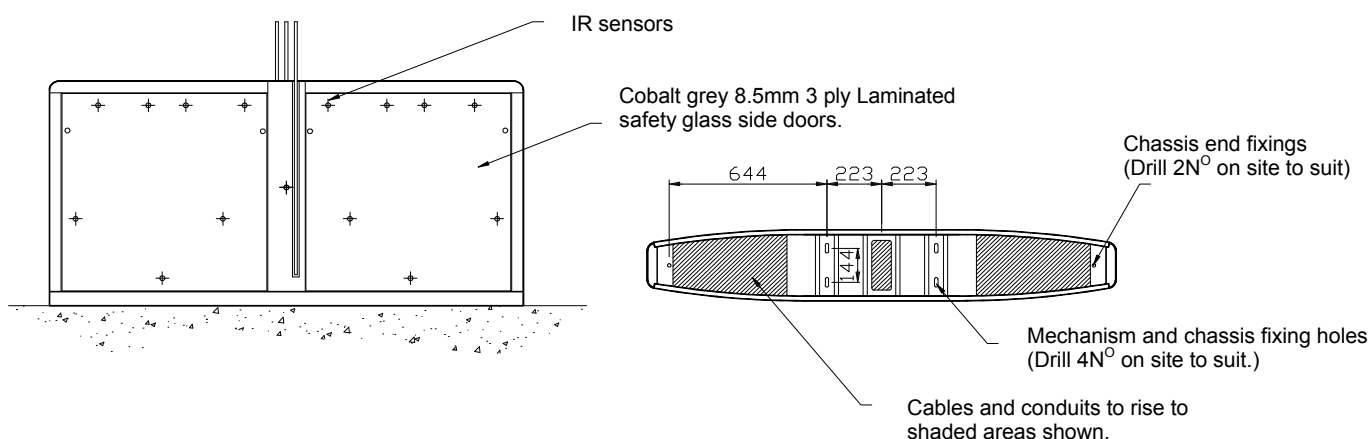
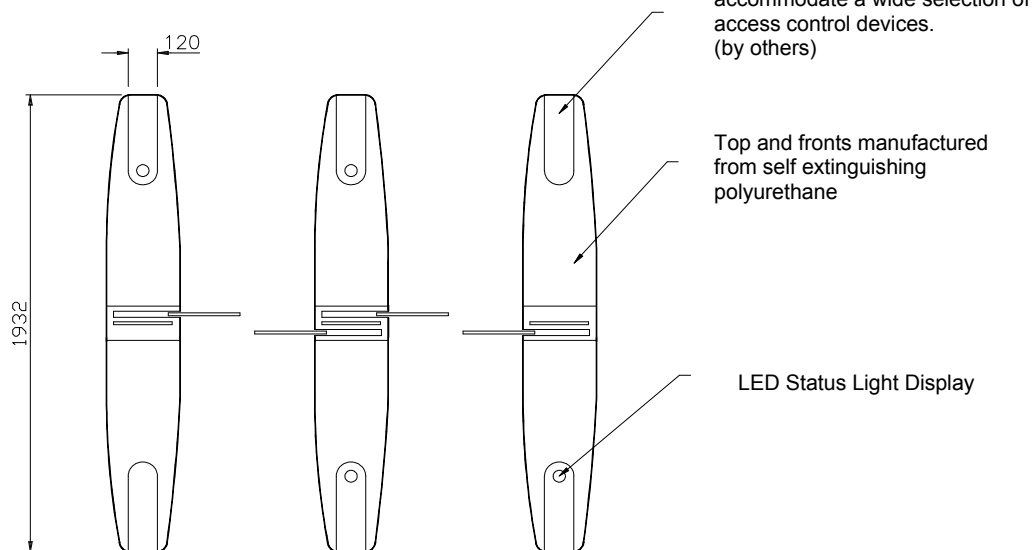
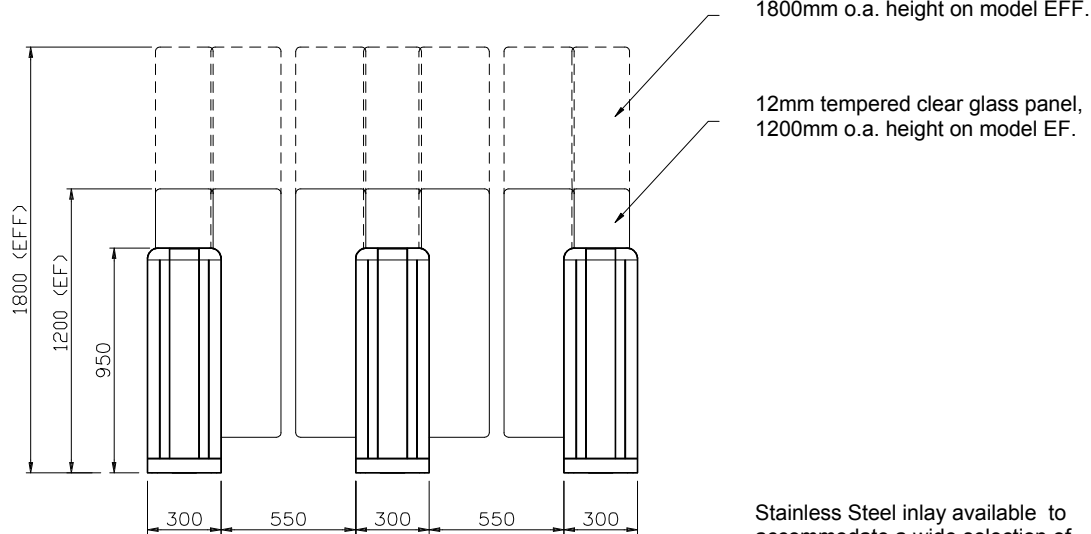
IMPORTANT

- Any horizontal pipe or conduit runs below the SpeedStile must be at least 140mm below FFL.

Site Preparation SpeedStile EF

Long Cabinet either Normally Closed or Open

(Panels shown in closed position in Left, Centre and Right configuration)



Concrete to BS 5328:1997 specification, type ST5. Base to be flat and level to +/- 5mm over the SpeedStile footprint area.
2000 x 500 x 150 deep min, per cabinet

IMPORTANT

- Any horizontal pipe or conduit runs below the SpeedStile must be at least 140mm below FFL.

Flow Rates

Reader Device	Number per minute
Insertion type	30
Insertion type with PIN code keypad	20
Swipe type	25
Swipe type with PIN code keypad	20
Proximity 'Hands Free'	40

- Please note the figures are approximate and must be confirmed with Gunnebo Entrance Control Ltd. Figures quoted are for one person per complete passage per walkway and per minute. It is assumed the access control authorisation response is instantaneous. Flow rates will increase with multiple passage use.



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Note: In pursuit of its policy of continuous refinement and improvement, Gunnebo Entrance Control Ltd reserves the right to modify design and details.

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