



SpeedStile FP

Full-Panel Speed Gate with Sliding Glass Barrier



The SpeedStile FP continues to be one of Gunnebo's most popular and sought after optical turnstile products. The SpeedStile FP can be designed in a wide variety of finishes such as stainless steel, brass, marble, and granite. Originally designed for Mass Transit applications, the award-winning SpeedStile design can be placed in any environment where barrier deterrence and fast throughput are number one priorities.

Manufactured in either ADA compliant or standard housings, the SpeedStile FP offers unsurpassed throughput while ensuring unauthorized users are kept out of secure spaces. The SpeedStile FP incorporates Gunnebo's years of tested optical technology with normally closed full-height glass barriers that retract in and out of the turnstile housings. The glass barriers can be manufactured from 35" to a maximum height of 70". Safety beams and torque sensing are added precautions that make the SpeedStile FP safe for public use.

Custom options such as housing finishes and design, lid, and barrier arm options, along with access control reader integration (prox, biometric, visitor management, etc.) make this product a great solution where speed of throughput, security, and design are required. With the integration of a touchscreen or pushbutton controller, remote locations are provided with everything needed to fully tailor, control, and optimize the speed gates to meet their specific site requirements.

Designed and built in the USA, the SpeedStile FP can be installed as a single ADA compliant lane or in combination with multiple lanes placed in parallel.

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TECHNICAL SPECIFICATIONS

Orientation	Bi-Directional	
Unit Dimensions	FP	FPW (ADA Compliant)
<i>Casework Length</i>	57.2"	57.2"
<i>Casework Height</i>	37.4"	37.4"
<i>Casework Width</i>	11.8"	18.9"
<i>Walkway Width</i>	22.0"	36.0"
<i>Panel Height</i>	35.4", 47.2", or 70.9"	35.4", 47.2", or 70.9"
Drive	Motorized	
Materials	Top/Front Wing Housing Inlay/Base Panels Side Doors Plinth	Painted polyurethane to RAL color of customer's choice Painted steel finished to match front and top #4 grained stainless steel 0.59" tempered glass Cobalt grey 0.33" 3 ply laminated safety glass #4 grained stainless steel
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 encounter an obstruction, the controlling logic detects an abnormal condition and reverses.	
Function	Passage in both directions electronically controlled. Default mode is Normally Closed (NC), and lane will open only upon acceptance of an authorized signal.	
Sensor Direction	Provided through infrared sensors.	
Operation	On receiving a signal from the access control system or push button, the panels open. If an unauthorized person tries to tailgate or enter from the opposite direction, the system detects the unauthorized passage and activates the built-in alarm system.	
Fire Alarm	Input facility, for voltage-free contact supplied by others to effect fail state.	
Power Supply	115VAC 50/60Hz. In the event of a power failure, the panels will drive to the open position.	
Power Rating	Stand By In Operation	Less than 0.50 AMP Up to 8.0 AMP
Logic Voltage	24VDC	
Battery Backup	On power failure, the battery backup will allow the panels to open (or close), stop, and become inactive. The panels will remain in this position until power is restored.	
Flow Rates	22 single users per minute, 38 multiple users per minute (approximate figures).	
Approx. Weight	FP Left or Right Cabinet FP Center Cabinet FPW Left or Right Cabinet FPW Center Cabinet	352-374 lbs per cabinet 462-484 lbs per cabinet 385-407 lbs per cabinet 506-528 lbs per cabinet

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OPERATIONAL MODES & NOTIFICATIONS

Interface

Potential free contact provided by either card reader or pushbutton input. Card reader *inhibit* and *reset* signals are available as standard. The unit has an adjustable time out facility if required; the *go ahead* symbol will be cancelled if the passage through the SpeedStile is not completed within a pre-set and field programmable time frame.

Operational Modes

Full Time Barrier (Normally Closed) Mode

The swinging panels remain closed until a valid access control card is presented. Tailgaters and unauthorized entries are signaled by an alarm-type tone. If an unauthorized card is presented, the lane will sound an alarm and the panels will remain closed to prevent the user from proceeding further without intervention.

Standard Operating Modes

Switchable via optional pushbutton Desk Top Controller (DTC) or an optional digital touchscreen (HMI):

- Enter/Card In
- Exit/Card Out
- Free Exit/Card Out
- Close
- Reset

Pictogram Lights

LED display pictograms are flush-mounted within the SpeedStile lid top face to visually assist the user when passing through the unit. *Included as standard.*

Normal Use

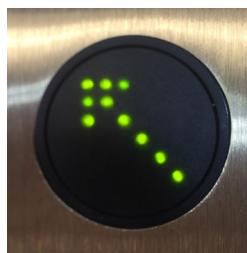
The *green card* symbol is continuously illuminated indicating passage is available. Upon authorization, a *green arrow* will illuminate in the direction of passage authorization, while in the opposite direction a *red cross* symbol will illuminate to indicate the unit is not available for use or is already in use.

Alarm Conditions

The flashing *green arrow* indicates free passage to evacuate through the gate. A *flashing green card* indicates a fraudulent condition, incorrect use, or technical alarm, and passage through the unit is not authorized.



Green Card



Green Arrow



Red Cross

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ACCESSORIES & DESIGN OPTIONS

Alternative Materials, Finishes, and Custom Design	<ul style="list-style-type: none"> • Refer to Gunnebo Entrance Control Inc. for specific material design requirements • Alternative PUR RAL colors, finishes, and effects • Inlay material options
Card Reader Options	<ul style="list-style-type: none"> • Integration of customer supplied readers into the SpeedStile top or front inlays • Proximity, magnetic stripe, biometric or barcode readers all compatible • Barcode scanners mounted to accommodate visitor access and readable via an insertion method (slot) or scanning type
Remote Lane Control	<ul style="list-style-type: none"> • Simple pushbutton console to control the SpeedStile wing release • Custom remote pushbutton console to specific requirements • Casework mounted pushbutton • Digital touchscreen with advanced controls
Alternative Mounting	<p>Specialized mounting base platforms giving concealed cableway and requiring no drilling, trenching, or core drilling to the floor.</p>
Counting	<p>LCD and electromechanical counter</p>
Lane Lights and Logos	<ul style="list-style-type: none"> • Mounted upon the front section of the SpeedStile to act as traffic light flow control • Custom LED lane lighting • Custom logos and etching on SpeedStile barrier
Infill Panels	<p>Where extra space presents in a design, integrated or standalone space infill solutions can be provided.</p>
Elevator Destination Dispatch	<p>Mounting integration of customer supplied LCD screens for elevator destination dispatch systems.</p>
Pressure Sensitive Lids	<p>Pressure sensitive lids can be installed to provide 'jump over' alarm notification via both LED lights and an audible alarm. This option can be installed in both the entry and exit directions.</p>

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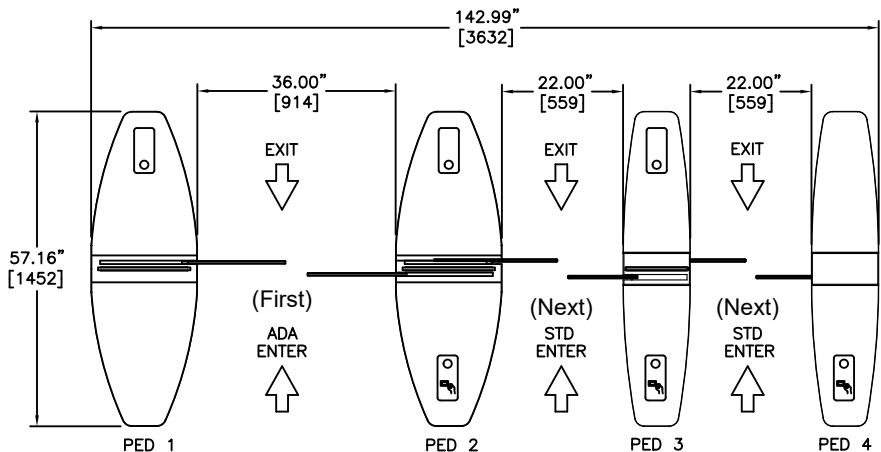
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LAYOUT CONFIGURATION & STANDARD DIMENSIONS

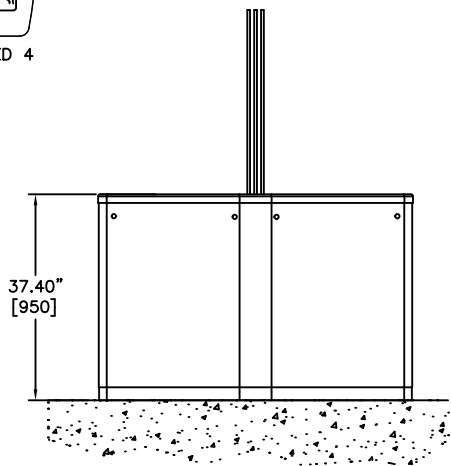
For installation details, please refer to the installation manual.

SpeedStile FP/FPW
Typical 3 Lane / 4 Pedestal Configuration
Card In / Card Out

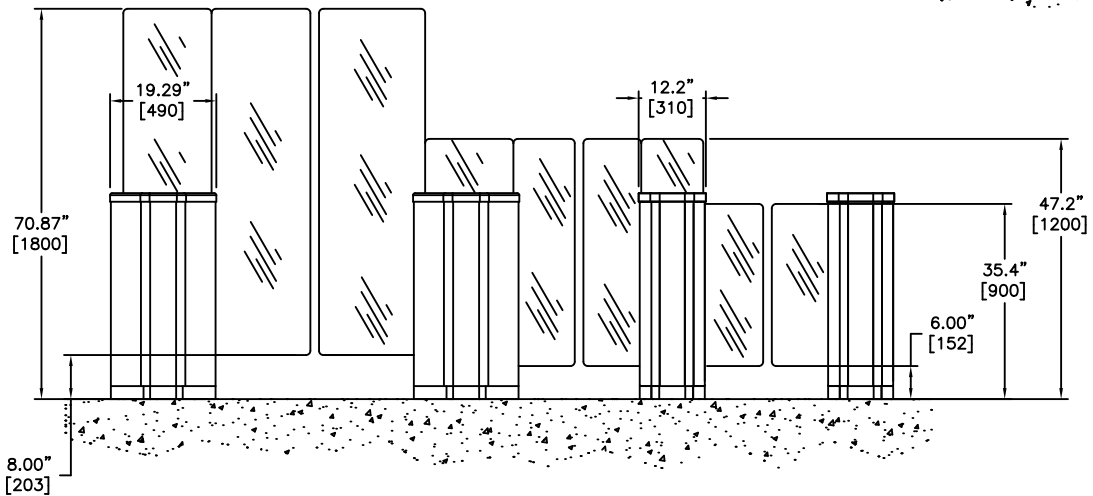
PLAN VIEW



RIGHT SIDE VIEW



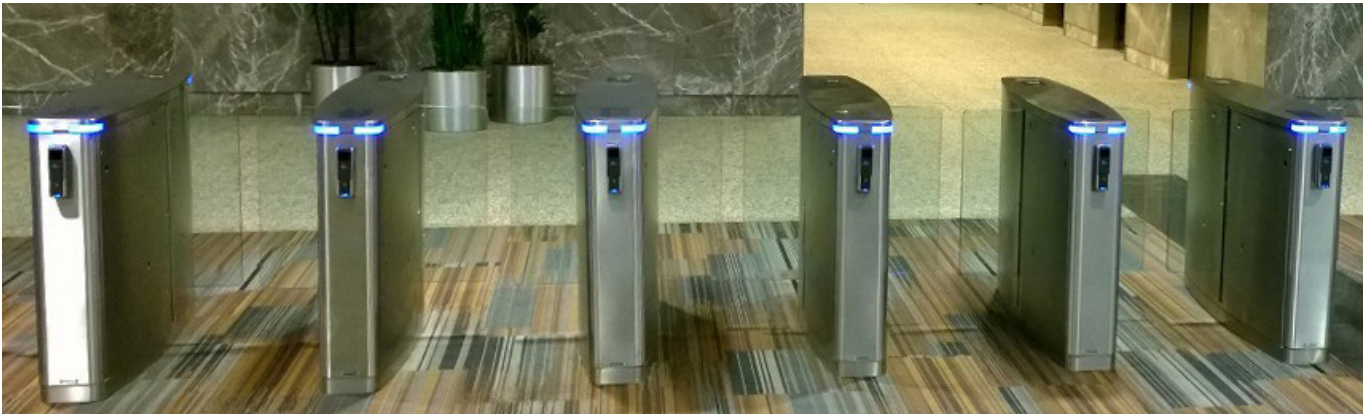
ELEVATION VIEW



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CONTACT



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Note: In pursuit of its policy of continuous refinement and improvement, Gunnebo Entrance Control reserves the right to modify design and details at any time and without notice.

