Automated Vehicular Gate Systems

Swing and Slide Gate Operator UL 325 and ASTM F2200 **Site Planning Safety Checklist**

Installation Location:	Installer's Company Name:
Address:	Address:
City/State/ZIP:	City/State/Zip:
Phone:	Phone:
Customer's Signature:	Installer's Signature:

UL 325 STANDARD								
Component					Result (Circle)	Figures (On Back)		
1. Gate Operator is approved to current UL 325 Standard (check for ETL, UL, CSA, etc.)					Pass / Fail			
2. Proper gate warning signs attached to both sides of gate area					Pass / Fail	1, 3		
3. All potentional entrapment zones protected by minimum of two independent entrapment protection devices					Pass / Fail	1, 3		
	Type A	Type B1	Type B2	*Type C	Ту	pe D		
Close Direction (circle at least two)	Inherit Reverse	Photo Eye	Reversing Edge	Inherit Force Limiting Device	Continuous Pressure Actuating Device		Pass / Fail	
Open Direction (circle at least two)	Inherit Reverse	Photo Eye	Reversing Edge	Inherit Force Limiting Device	Continuous Pressure Actuating Device		Pass / Fail	
UL 325 Usage Class (circle one)	I	II	III	IV				

Potential Entrapment Zone: Locations between a moving gate and a counter opposing edge or surface where entrapment is possible up to 1.8 m (6 ft) above grade

Gate Construction Evaluation: Gate Constructed with Safety in mind. ASTM F2200 Standards are followed

Component	Result (Circle)	Figures (On Back)
All GATES		
Gates have smooth bottom edges, no protrusions exceed ½" beyond base of gate	Pass / Fail	2
All access controls at least 6 ft from gate	Pass / Fail	1, 3
Barbed tape (razor wire) at least 8 ft above grade	Pass / Fail	
Barbed wire at least 6 ft above grade	Pass / Fail	
Separate pedestrian gate – away from any part of the moving gate – automated gate is for vehicular traffic only	Pass / Fail	1, 3
Gate does not move on its own if disconnected from operator	Pass / Fail	
Gates prevented from falling over if disconnected from supporting hardware	Pass / Fail	
Other specific site considerations	Pass / Fail	
SWING		
Distance from pivot point to column edge is less than 4" or external entrapment protection is provided	Pass / Fail	1A
Distance from open gate to wall or column greater than 16" or external entrapment protection is provided	Pass / Fail	1A
SLIDE		
All weight bearing exposed rollers 8 ft (2.44 m), or less, above grade shall be guarded or covered	Pass / Fail	
Meshing installed up to 6 ft above grade if pickets spaced equal to or greater than 21/4" apart	Pass / Fail	4B
Gap between gate and fence post less than 21/4" or gap protected with external entrapment protection device	Pass / Fail	3
Positive stops at both fully open and fully closed positions	Pass / Fail	3
Receiver guides recessed behind receiver post for receiver guides less than 8 ft above grade	Pass / Fail	3



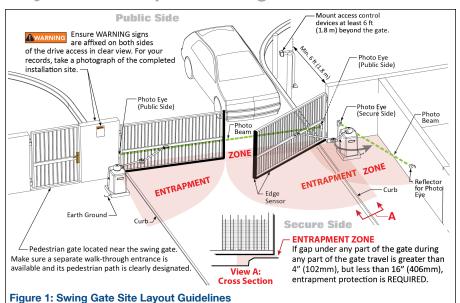


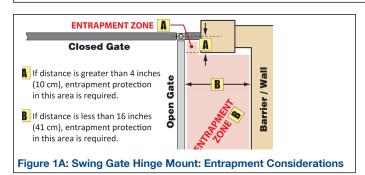
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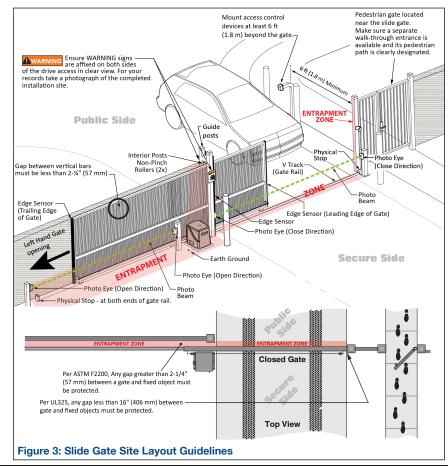
^{*}For swing gates with this feature

Swing and Slide Gate Requirements

Only install the operator on gates for vehicular traffic, not for pedestrian use.







Bottom Edge and Protrusions

Gates must have smooth bottom edges; no protrusions should exist. If gate hardware or sensors protrude, they must have smooth surfaces free of any sharp cutting edges that do not exceed ½ inch (13 mm) beyond the base of the gate.

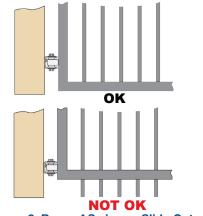


Figure 2: Base of Swing or Slide Gate

Compliant Openings

Picket Spacing: Gap between vertical bars must be less than 2-1/4 inches (57mm) up to a height of 6 ft (1.8 m) above grade.

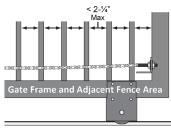
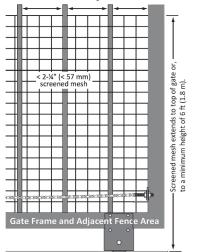


Figure 4A: Slide Gate Picket Spacing

Screened Mesh: In the illustration below, the gap between vertical bars is non-compliant. It poses a safety hazard if it is 2-1/4 inches (57 mm) or wider.

A screened mesh has been added to comply with ASTM F2200 and UL325 gate standards.



All openings of a horizontal slide gate are guarded or screened from the bottom of the gate to the top of the gate or to a minimum of 6 ft (1.8 m) above the ground to prevent a 2-½ inch (57 mm) diameter sphere from passing through the openings anywhere in the gate and in that portion of the adjacent fence that the gate covers in the open position.

Figure 4B: Slide Gate Opening Guidelines

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