



American Fence Association

Automated Gate Installer Checklist

1. What is the UL classification of this site?

☐ **Class I**

(1-4 single family)

☐ **Class II**

(5 or more single family, general public)

☐ **Class III**

(Limited access - no
intended public access)

☐ **Class IV**

(Restricted access - no
intended public access)

2. Type of gate?

☐ **Slide Gate**☐ Cantilever☐ V-track roller☐ Primary/Secondary☐ **Swing Gate**☐ In-Swing☐ Out-Swing☐ Primary/Secondary

3. New Operator Install or Operator Replacement

☐ New☐ Replacement

4. New or existing gate?

If existing, is the gate working properly? Operators will NOT correct gate problems.

☐ New☐ Existing

If No, what is needed for proper gate operation? _____

☐ Yes☐ No

5. Does gate have proper strength & design for automation?

If no, explain what will be required to provide proper operation: _____

☐ Yes☐ No

6. Size of gate?

Weight _____ lbs
Overall Length _____ ft
Overall Height _____ ft
Overall Opening _____ ft

7. Gate Material

☐ Iron☐ Aluminum☐ Chain Link☐ Other: _____

8. ASTM F2200 Requirements for All Gates

Provisions installed to keep gate from falling more than 45° when detached from hardware.

☐ Yes☐ No

No protrusions greater than 1/2" on bottom or vertical edges of gates.

☐ Yes☐ No

Barbed wire can not be installed less than 6' above grade.

☐ Yes☐ No

Barbed tape (razor wire) can not be installed less than 8' above grade.

☐ Yes☐ No

Gravity does not cause the gate to move when disconnected from the operator.

☐ Yes☐ No

No access controls within 6' of moving gate panel.

☐ Yes☐ No

Separate pedestrian access point is provided/promoted.

☐ Yes☐ No

If any answer was No, explain what will be required to meet ASTM F2200 general installation requirements: _____

9. Swing Gate Specifics

Is the swing gate installed on a column?

☐ Yes☐ No

If yes, what is the location of the hinges on the column?

☐ Center☐ Back corner

Is there 4" or less overlap from pivot point? (More than 4" requires UL safety)

☐ Yes☐ No

Does the gate open to within 16" of a rigid object? (If yes, UL safety device required)

☐ Yes☐ No

10. Slide Gate Specifics

Is the back space sufficient for the gate to travel fully open?

☐ Yes☐ No

All weight-bearing rollers 8' or less above grade are covered or guarded.

☐ Yes☐ No

All openings are designed, guarded or screened from grade to top of gate (or minimum of 6' whichever is less)

to prevent a 2-1/4" sphere from passing through anywhere in the gate or the portion of the fence

in which the gate overlaps.

☐ Yes☐ No

The gap between the gate & a stationary object nearest the roadway (like a gate support post) is

less than 2-1/4" or greater than 16".

☐ Yes☐ No

Positive stops are installed to limit over travel.

☐ Yes☐ No

Single panel receiver (gate catch) is recessed behind the leading edge of the receiver post.

☐ Yes☐ No

11. Is space sufficient for operator installation?☐ Yes ☐ No

If no, explain what is needed:

12. UL325 Requirements

Gate operator is UL Listed.

☐ Yes ☐ No

Inherent Safety tested & adjusted in both directions.

☐ Yes ☐ No

All entrapment zones protected by UL safety device (type B1, B2, C-where applicable or D).

☐ Yes ☐ No

Open direction safety device: _____

Close direction safety device: _____

Additional entrapment zones & safety devices: _____

13. Are ALL UL-325 and ASTM F2200 Standards being met?☐ Yes ☐ No

If No, what else is needed to be compliant? _____

Remember, all entrapment & pinch points must be guarded or have protection to be compliant.

14. Type of traffic?

- ☐
- Entry Only
-
- ☐
- Exit Only
-
- ☐
- 2 Way Traffic
-
- ☐
- Other: _____

15. Lane width?

16. Gate opening?

For multiple lanes-complete multiple forms if necessary.

*Diagram required with overhead view

17. Type of road surface?

- ☐
- Gravel
-
- ☐
- Asphalt
-
- ☐
- Concrete
-
- ☐
- Other: _____

18. Type of surface at gate operator location?

- ☐
- Gravel
-
- ☐
- Asphalt
-
- ☐
- Concrete
-
- ☐
- Other: _____

19. How will the operator mount?

- ☐
- Pad Mount
- ☐
- Column Mount
-
- ☐
- Post Mount
- ☐
- Other: _____

20. What voltage & phase are required for the gate to operate?

- | | | |
|-----------------------------------|-------------------------------------|--|
| <input type="checkbox"/> 12V DC | <input type="checkbox"/> AC Charged | <input type="checkbox"/> Solar Charged |
| <input type="checkbox"/> 24V DC | <input type="checkbox"/> AC Charged | <input type="checkbox"/> Solar Charged |
| <input type="checkbox"/> 120V 1ph | <input type="checkbox"/> 208V 3ph | |
| <input type="checkbox"/> 208V 1ph | <input type="checkbox"/> 240V 3ph | |
| <input type="checkbox"/> 240V 1ph | <input type="checkbox"/> 480V 3ph | |

21. What is the distance from electrical service?

_____ (True distance, not as the crow flies)

22. Will an external electrical disconnect be required?☐ Yes ☐ No**23. Total numbers of users?**

24. Estimated cycles/day?

25. What type of Traffic is Expected?

- | | | |
|--------------------------------|--|---|
| <input type="checkbox"/> Car | <input type="checkbox"/> Bus | <input type="checkbox"/> Forklift/Golf Cart |
| <input type="checkbox"/> Truck | <input type="checkbox"/> Tractor/Trailer | <input type="checkbox"/> Other: _____ |

26. How will residents/tenants gain access?

- | | |
|--------------------------------------|--|
| <input type="checkbox"/> Guard | <input type="checkbox"/> Transmitter |
| <input type="checkbox"/> Keypad | <input type="checkbox"/> Auto Schedule |
| <input type="checkbox"/> Card Reader | <input type="checkbox"/> RFID/ Bar Code |
| <input type="checkbox"/> Phone Entry | <input type="checkbox"/> PC Programmable |
| <input type="checkbox"/> Key Switch | <input type="checkbox"/> Other: _____ |

27. How will visitors gain access?

- | |
|--|
| <input type="checkbox"/> Guard |
| <input type="checkbox"/> Phone Entry |
| <input type="checkbox"/> Stand Alone |
| <input type="checkbox"/> PC Programmable |
| <input type="checkbox"/> Other: _____ |

28. How will the gate be opened for exit?

- | | |
|--------------------------------------|---|
| <input type="checkbox"/> Guard | <input type="checkbox"/> Free Exit Loop |
| <input type="checkbox"/> Keypad | <input type="checkbox"/> Transmitter |
| <input type="checkbox"/> Card Reader | <input type="checkbox"/> Other: _____ |

29. How will gates close?

- | |
|---|
| <input type="checkbox"/> Automatic Timer |
| <input type="checkbox"/> Control Device _____ |

30. Is a hold open timer required?

☐ Yes ☐ No

If So

☐ 7-Day ☐ 365-Day

31. Is vehicular detection required?

<input type="checkbox"/> Free Exit	<input type="checkbox"/> Shadow
<input type="checkbox"/> Obstruction	<input type="checkbox"/> IR Sensor
<input type="checkbox"/>	<input type="checkbox"/>

32. What type of each vehicle detection?

<input type="checkbox"/> Exit Only Probe	<input type="checkbox"/> Pre-Form Loop (see below)
<input type="checkbox"/> Probe w/ DOS	<input type="checkbox"/> Saw-Cut
<input type="checkbox"/> Loop Wire	<input type="checkbox"/> Direct Burial

33. What kind of EMERGENCY access device?

<input type="checkbox"/> Firebox	<input type="checkbox"/> Click-2-Enter
<input type="checkbox"/> Siren Sensor	<input type="checkbox"/> Strobe Sensor
<input type="checkbox"/> Knox Lock	<input type="checkbox"/> Other: _____

34. What kind of entrapment portection?

<input type="checkbox"/> Photo Eye	<input type="checkbox"/> Constant Preasure
<input type="checkbox"/> Contact Edge	<input type="checkbox"/> Other _____

35. Will DC option be required to open gates with power failure?

☐ AC Inverter ☐ Battery Backup

☐ Yes ☐ No

36. Is the UL-required pedestrian access going to be a gate?

If yes, will the pedestrian gate require controlled access?

<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Yes	<input type="checkbox"/> No

Sketch overhead view of gate system, including the following information:

- gate and fence location
- column location (if required)
- complete and detailed dimensions
- road way width, including lane detail
- include digital pictures of gate area

Use this page for sketch and any additional info.

The American Fence Association ("AFA") offers this checklist as a service to its members, and it is meant for informational purposes only. This checklist is based on and is intended to reflect current industry "best practices" which may evolve over time in light of changing technology or further field experience. It is not meant to be a completely comprehensive or exhaustive checklist. The law of the state where the installation/inspection is taking place will govern and may differ from the suggestions in this checklist. When making legal and safety decisions, always contact your own experts to get guidance on your unique situation. While AFA has made every effort to provide accurate and comprehensive information, AFA does not warrant the accuracy, comprehensiveness or usefulness of the information provided.