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This section includes editing notes to assist the user in editing the section to suit project requirements. These notes are included as hidden text, and can be revealed or hidden by the following method in Microsoft Word:

 Display the FILE tab on the ribbon, click OPTIONS, then DISPLAY. Select or deselect HIDDEN TEXT.

This guide specification section has been prepared by LiftMaster for use in the preparation of a project specification section covering parking control gates.

The following should be noted in using this specification:

Hypertext links to manufacturer websites are included after manufacturer names to assist in product selection and further research. Hypertext links are shown in blue text, e.g.:

www.acme.com

Optional text requiring a selection by the user is enclosed within brackets and shown in red text, e.g.: Color: [Red.] [Black.]"

Items requiring user input are enclosed within brackets and shown in red text, e.g.: "Section [\_\_ \_\_ \_\_ - \_\_\_\_\_\_\_\_]."

Optional paragraphs are separated by an "OR" statement shown in red text, e.g.:

 \*\*\*\* OR \*\*\*\*

For assistance on the use of the products in this section, contact a LiftMaster Architect Specialist by calling 800-282-6225 or visit their website at www.LiftMaster.com.

This specification has been prepared based on SimpleSpecs™ specification templates. The SimpleSpecs™ Master Guide Specification system comprises a full architectural master specification that can be used to specify all project requirements. For additional information on SimpleSpecs™ products visit the ZeroDocs.com website at www.zerodocs.com.

**SECTION 11 12 33 – PARKING GATES**

 GENERAL

 SUBMITTALS

 Action Submittals:

 Product Data: Manufacturer’s descriptive data and product attributes.

 Closeout Submittals:

 Operation and Maintenance Data.

 QUALITY ASSURANCE

 Installer Qualifications: Firm specializing in work of this Section, with minimum [2] [\_\_] years’ experience.

 WARRANTY

 Manufacturer’s warranties against material and manufacturing defects:

* + - 1. Cabinet: 10 years.
			2. Electrical and mechanical components: 2 years.

 PRODUCTS

 MANUFACTURERS

 Contract Documents are based on products by LiftMaster. [www.LiftMaster.com](http://www.LiftMaster.com)

 Substitutions: [Refer to Division 01.] [Not permitted.]

 MANUFACTURED UNITS

Retain the following for a DC-powered, high-speed barrier gate with aluminum cabinet, for high-traffic applications.

 Parking Gates:

 Model: MAST.

 Operation: Gear reduced.

 Meet UL 325.

 Rated duty cycle: Maximum 10,000 per day.

 Opening speed: 0.9 seconds.

 Battery backup: Maximum 900 cycles.

 Motor: 24 VDC, continuous duty, prewired, listed by Underwriters Laboratories.

 Controls: Sequenced access management system.

 Cabinet: Aluminum.

Following accessories are available as options. Refer to LiftMaster technical literature for assistance in selecting accessories.

 Aluminum 8 foot arm with yellow padding.

 Clutch.

 Retro-reflective phot eye.

 [One button DIP remote control.] [Three button DIP remote control.] [Two button rolling code Security+ 2.0 remote control.] [Four button rolling code Security+ 2.0 remote control.]

* + - 1. Red/green traffic light.
			2. Low power loop detector.
			3. Commercial access control receiver.
			4. Heater.
			5. Timer-to-close module.
			6. High-capacity connected access portal.
			7. Two door connected access portal.

 EXECUTION

 INSTALLATION

 Install in accordance with manufacturer’s instructions.

 CLOSEOUT ACTIVITIES

* + 1. Test and adjust operators for proper operation.

 Demonstration: Demonstrate operation and programming of operators to Owner.

END OF SECTION