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**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

 Parking Gates:

 Model: MA.

 Operation: Gear reduced.

 Meet UL 325.

 Rated duty cycle: Maximum 6000 per day.

 Opening speed: 2.5 seconds.

 Battery backup capable.

 Barrier arm: Aluminum, LED type.

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

 Controls: Sequenced access management system.

* + - 1. [Red/white stripe 10 foot aluminum articulating arm.] [Red/white 12 foot aluminum LED arm.] [Red/white stripe aluminum 15 foot arm.] [Red/white aluminum 17 foot LED arm.] [Red/white stripe 17 foot aluminum arm.] [Red/white stripe 9 foot PVC articulating arm.]
			2. Clutch.
			3. Retro reflective photo eye.

 Security+2.0 radio receiver: Accept Security+ 2.0 rolling code technology remote controls and binary DIP switch.

* + - 1. Red/green traffic light.
			2. Low power loop detector.
			3. High-capacity connected access portal.
			4. Two door connected access portal.

 EXECUTION

 INSTALLATION

 Install in accordance with manufacturer’s instructions.

 CLOSEOUT ACTIVITIES

 Test and adjust operators for proper operation.

 Demonstration: Demonstrate operation and programming of operators to Owner.

END OF SECTION