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Product Guide Specification

Specifier Note: This product guide specification is written according to the Construction Specifications Institute (CSI) current versions of MasterFormat, SectionFormat and PageFormat and as described in various Practice Guides.

Use this specification as the basis for developing a project specification.

Section must be carefully reviewed and edited by the Architect/Design Professional to meet the requirements of the project and local building code.

Coordinate this section with other specification sections and the Drawings; coordinate these numbers and titles with sections included for specific project.

Brackets [\_\_\_\_\_], and /or, <\_\_\_\_\_> and “or” are used to indicate when a selection is required.

Windows 2010: Upon completion of section editing, you may turn-off “Specifier Notes” as follows: Click “File” then “Options” then “Display” and remove check-mark at “Hidden text” at two locations.

ARCHITECTURAL SPECIFICATIONS

**LOWE & FLETCHER 3786 PULSAR RFID LOCKS**

SECTION 10510

LOCKS FOR LOCKERS, CABINETS, DRAWERS, CONTAINERS

**Specifier Note:**  This section covers LOWE & FLETCHER, INC., consult with them for technical assistance in editing this section for the specific project requirements.

**Lowe & Fletcher, Inc.**
650 Airport Place
Norton Shores, MI 49441
www.loweandfletcherinc.com
sales@loweandfletcherinc.com
(616) 994-0490

**PART 1 – GENERAL**

* 1. SECTION INCLUDES

\*\* NOTE TO SPECIFIER \*\* Delete lock types below not required for project.

1. Furnish Lowe & Fletcher 3786 Pulsar RFID Lock for installation on lockers, cabinets, drawers or containers as reflected on approved drawings.

	1. RELATED SECTIONS
2. Section 10500 – Lockers: Locker requirements for lock application.

	1. REFERENCES
3. 2010 ADA Standards for Accessible Design: Operable Parts 309.4
4. International Protection Code (IP Ratings): IEC standard 60529

	1. SUBMITTALS
5. Submit under provisions of Section 01 30 00 – Administrative Requirements.
6. Shop Drawings: Include details of lock dimensions, construction, and materials.
7. Manufacturer’s product data for locks.
8. Manufacturer’s installation instructions.
9. Manufacturer’s lock usage instructions (User, Manager, Shared Use, Private Use).
10. Manufacturer’s lock programming instructions.
	1. QUALITY ASSURANCE
11. Manufacturer Qualifications: Locks to be supplied by a company specializing in the direct manufacturing of locking products with a minimum five years of experience.
12. Installer Qualifications: Installation will be through professionals specializing in performing work of this section with a minimum three years of documented experience with locking solutions projects.
13. Source Limitations: Provide each type of product from a single source and from a single manufacturer.
	1. WARRANTY
14. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
15. Provide a standard 3-year manufacturer’s warranty against defects in materials and workmanship.
16. Offer a 5-year manufacturer’s extended warranty.

**PART 2 – PRODUCTS**

* 1. MANUFACTURERS
1. Acceptable Manufacturer:
 Lowe & Fletcher, Inc.
 650 Airport Place
 Norton Shores, MI 49441
 www.loweandfletcherinc.com
 sales@loweandfletcherinc.com
 (616) 994-0490
2. Substitutions: Not Permitted.
3. Requests to consider equivalent products of other manufacturers will be considered in accordance with the provisions of section 01 60 00.

	1. COMPONENTS
4. Lowe & Fletcher 3786 Pulsar RFID Locks in [Black] finish. A standalone, credential-based, contactless electronic cam lock with dual-operating and dual access features.
	1. Must operate for 50,000 cycles on two AA batteries.
	2. Must have a built-in function to display remaining battery life.
	3. Battery access must be from the rear of the lock.
	4. Must be ADA compliant without modification.
	5. Must be capable of enrolling 30 RFID credentials.
	6. Lock must allow for dual access as follows:
		1. RFID Reader access with an authorized credential.
		2. Keyed access with a steel override key.
	7. Lock must allow for dual operating, as follows:
		1. Shared Use: Also referred to as Day Use, or Public Use where the lock is set to allow a user to present an authorized credential, secure the lock, return later and unlock the lock with that same credential. This cycle repeats for the next user, who can present an authorized credential, secure the lock, return later and unlock the lock, etc…..
		2. Private Use: Also referred to as Assigned Use or Employee Use, where the lock has a constant authorized credential that will allow a user to repeatedly use the lock with the authorized credential.
	8. Lock must allow for three lock orientations, as follows:
		1. Vertical with RFID reader above the handle.
		2. Right Hand with RFID reader to the right of the handle.
		3. Left Hand with RFID reader to the left of the handle.
	9. Lock must be Surface Mounted.
	10. Must have the ability to use two levels of credentials simultaneously, including: master and user(s) credentials.
	11. Must have the ability to program audible beeps as both “off” or “on.”
	12. Must have an option to automatically unlock the lock via timer.
	13. Must have an option to require an initial action to wake the RFID reader.
	14. Administration of all credentials must be possible at the reader without the use of accessories or peripherals.
5. 3786 Pulsar RFID Lock Additional Details.
	1. Overall Dimensions: 5.70” x 1.81” x 1.18” (mm=145 x 46 x 30).
	2. Spindle Length Options: .94” (24mm) , .83” (21mm) , .79” (20mm) and .67” (17mm).
	3. Typical mounting points: Three. 3 M4 screws.
	4. Cam info: Standard with three cams, all 1.57” long (40mm), (flat, .19” and .31” offsets (4.8mm and 7.9mm). Custom cams available.

**PART 3 – EXECUTION**

* 1. EXAMINATION
1. Verify that lockers, cabinets, drawers or containers are properly prepped and configured for the specified locks.
	1. PREPARATION
2. If not previously installed onto lockers, cabinets, drawers or containers, ensure the locks are properly matched to the specified item.
	1. INSTALLATION
3. Locks shall be installed in accordance with manufacturer’s instructions, approved submittals and in proper relationship with related construction.
4. Whether field-installed or factory-installed: After site installation, each lock must:
	1. Be operated to ensure proper operation.
		1. If warranted, be adjusted to achieve proper operation.
5. During installation, all locks shall be programmed to the specific operational requirements of the Owner or Owner’s Representative.
6. During installation, master credentials shall be changed from default, documented, and transferred to Owner or Owner’s Representative at installation completion.
7. All override keys shall be controlled during installation and transferred to Owner or Owner’s Representative at installation completion.