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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 2700 GEMINI 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 2700 Gemini Locks 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.
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 2700 Gemini Locks in [Black] [White] [Silver] powder coat finish. A 4-wheel combination, dual access, standalone mechanical combination cam lock with a small footprint.
	1. The lock must utilize four combination wheels.
	2. The lock must use a key to gain access if a code is unknown.
	3. The lock must use a key to set a new combination.
	4. Lock must allow for dual access as follows:
		1. Lock access with an authorized code.
		2. Lock access with override key to find last used code.
		3. Lock must allow for Private Use operation where the lock has a constant four-digit code that will allow a user to repeatedly use the lock with the same code. (Also referred to as Assigned Use or Employee Use).
	5. Lock must allow for three keypad orientations, as follows:
		1. Vertical with combination dials above the handle/knob.
		2. Right Hand with combination dials to the right of the handle/knob.
		3. Left Hand with combination dials to the left of the handle/knob.
	6. Lock must allow for two mounting options, as follows:
		1. Surface Mount with the use of a trim ring.
		2. Flush Mount with the use of a clamp/backbox.
	7. Must have an electronic version of the same size and shape.
5. 2700 Gemini Additional Details.
	1. Overall Dimensions: 3.7” x 1.26” x 1.42” (mm=94 x 32 x 36.2)
	2. Typical mounting points: Two. 2 M4 x 12 mm screws, 2 M4 x 16mm, or 2 M4 x 25mm
	3. Flush mounting: Keypad protrudes: 0.14” (3.5mm)
	4. Flush mounting routing: 3.5” x 1.1” (88mm x 28mm)
	5. 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 configured to the specific operational requirements of the Owner or Owner’s Representative.
6. During installation, user codes 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.