



## 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**

#### 1.1 SECTION INCLUDES

- A. Furnish Lowe & Fletcher 2700 Gemini Locks for installation on lockers, cabinets, drawers or containers as reflected on approved drawings.

#### 1.2 RELATED SECTIONS

- A. Section 10500 – Lockers: Locker requirements for lock application.

#### 1.3 REFERENCES

- A. 2010 ADA Standards for Accessible Design: Operable Parts 309.4
- B. International Protection Code (IP Ratings): IEC standard 60529

#### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 – Administrative Requirements.
- B. Shop Drawings: Include details of lock dimensions, construction, and materials.
- C. Manufacturer's product data for locks.
- D. Manufacturer's installation instructions.
- E. Manufacturer's lock usage instructions.
- F. Manufacturer's lock programming instructions.

#### 1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Locks to be supplied by a company specializing in the direct manufacturing of locking products with a minimum five years of experience.

- B. 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.
- C. Source Limitations: Provide each type of product from a single source and from a single manufacturer.

## 1.6 WARRANTY

- A. See Section 01 7800 - Closeout Submittals, for additional warranty requirements.
- B. Provide a standard 3-year manufacturer's warranty against defects in materials and workmanship.
- C. Offer a 5-year manufacturer's extended warranty.

## PART 2 – PRODUCTS

### 2.1 MANUFACTURERS

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

### 2.2 COMPONENTS

- A. 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.
  - a. The lock must utilize four combination wheels.
  - b. The lock must use a key to gain access if a code is unknown.
  - c. The lock must use a key to set a new combination.
  - d. Lock must allow for dual access as follows:
    - i. Lock access with an authorized code.
    - ii. Lock access with override key to find last used code.
    - iii. 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).
  - e. Lock must allow for three keypad orientations, as follows:
    - i. Vertical with combination dials above the handle/knob.
    - ii. Right Hand with combination dials to the right of the handle/knob.
    - iii. Left Hand with combination dials to the left of the handle/knob.
  - f. Lock must allow for two mounting options, as follows:
    - i. Surface Mount with the use of a trim ring.
    - ii. Flush Mount with the use of a clamp/backbox.
  - g. Must have an electronic version of the same size and shape.

- B. 2700 Gemini Additional Details.
  - a. Overall Dimensions: 3.7" x 1.26" x 1.42" (mm=94 x 32 x 36.2)
  - b. Typical mounting points: Two. 2 M4 x 12 mm screws, 2 M4 x 16mm, or 2 M4 x 25mm
  - c. Flush mounting: Keypad protrudes: 0.14" (3.5mm)
  - d. Flush mounting routing: 3.5" x 1.1" (88mm x 28mm)
  - e. 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**

### **3.1 EXAMINATION**

- A. Verify that lockers, cabinets, drawers or containers are properly prepped and configured for the specified locks.

### **3.2**

#### **PREPARATION**

- A. If not previously installed onto lockers, cabinets, drawers or containers, ensure the locks are properly matched to the specified item.

### **3.3**

#### **INSTALLATION**

- A. Locks shall be installed in accordance with manufacturer's instructions, approved submittals and in proper relationship with related construction.
- B. Whether field-installed or factory-installed: After site installation, each lock must:
  - a. Be operated to ensure proper operation.
    - i. If warranted, be adjusted to achieve proper operation.
- C. During installation, all locks shall be configured to the specific operational requirements of the Owner or Owner's Representative.
- D. During installation, user codes shall be changed from default, documented, and transferred to Owner or Owner's Representative at installation completion.
- E. All Override keys shall be controlled during installation and transferred to Owner or Owner's Representative at installation completion.