



ARCHITECTURAL SPECIFICATIONS

LOWE & FLETCHER 2800 COMBINATION 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 2800 Combination 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 code finder 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 2800 Combination Locks in [Black] [White] [Silver] powder coat finish. A round 4-wheel combination lock with an integrated handle and key override functionality.
 - a. The lock must utilize four combination wheels.
 - b. The lock must mount through a standard double-d cam lock mounting hole.
 - c. The lock must use a key to gain access if a code is lost or unknown.
 - 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.
 - e. Lock must operate, as follows: The user can set their code to any 4 digit code and use that code again until the code changing function (only available in the unlocked position) is used to change the code.
 - f. Lock must allow for two "handing" variations, as follows:
 - i. Right Hand with the handle turning clockwise to unlock.
 - ii. Left Hand with the handle turning counterclockwise to unlock.
 - g. Lock must allow for surface mounting with a single nut.
 - h. Optionally, the lock must be available with a mastered override key.
 - i. Optionally, the lock must be available with a higher security "twist resist" feature.
- B. 2800 Combination Lock Additional Details.
 - a. Overall Dimensions: 2.2" round x 1.1" deep (mm=56 x 28)
 - b. Typical mounting: 0.75" x 0.63" (9.1mm x 16.0mm) with nut mounting. No additional hardware.
 - c. Spindle Length: 0.79" (20 mm)
 - d. 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. All locks shall be installed to the specific operational requirements of the Owner or Owner's Representative.
- D. All Override keys shall be controlled during installation and transferred to Owner or Owner's Representative at installation completion.