Master Lock Company, 6744 South Howell Avenue, P.O. Box 100367, Oak Creek, Wisconsin 53154
TELEPHONE: 800-308-9244; FAX: 800-308-9245; WEBSITE: www.masterlock.com

<u>SECTION 10 51 63</u>

<u>BUILT-IN KEY-OPERATED LOCKS</u>

***** Since 1921, Master Lock Company has been providing padlocks and other security products for the construction industry. Products include built-in combination and key-operated locks for all types of lockers, combination padlocks for padlock hasp lockers, and lock management software. This product guide specification section can be used to specify the following built-in, key-operated locks to be installed on metal, wire mesh, wood, plastic, and other types of locker:

Manual deadbolt lock: <u>Model 1710</u>.

Automatic springbolt lock: <u>Model 1714</u>.

ADA compliant manual deadbolt lock: <u>Model 1700ADA</u>.

The specifier will need to select appropriate products and delete non-applicable models and options. Refer to Master Lock product literature for descriptions and available options. The guide section has been written so that most editing can be accomplished by deleting unnecessary requirements and options. Depending on project requirements, some additional information will need to be added by the specifier. Options are indicated by [ ]. Notes to assist the specifier in selecting options and editing the specification guide are printed in bold and indicated with *****. For final editing, all brackets and notes will need to be deleted from the guide.

****

<u>PART 1 - GENERAL</u>

1.1   SUMMARY

***** Built-in key-operated locks can be factory installed by the locker manufacturer or field installed on either existing or new lockers. Field installed locks can be part of a complete construction project, such as a new school building, or can be purchased directly by the owner and installed by the building maintenance staff. If the locks are to be factory installed, the locks can be specified separately using this guide specification or the lock requirements can be included as part of the locker specification. Edit the following paragraph to reflect project requirements. *****

    A.   Section includes:

        1.   Built-in, key-operated locks to be [factory installed on lockers.] [field installed on existing lockers.] [field installed on lockers specified in other sections.]

***** For both large and small projects, a system to track and manage lockers, locks, user assignments, and keys is essential. Master Lock's <u>LockerManager</u> software is an excellent

management tool. Include the following paragraph if <u>LockerManager</u> is specified in this section. *****

> 2.   System for recording and managing lockers, locks, user assignments, and keys.

B.   Related sections:

***** List other specification sections dealing with work directly related to this section such as the following. *****

> 1.   [Section 10 51 13 - Metal Lockers] [Section 10 51 16 - Wood Lockers] [Section 10 51 26 - Plastic Lockers] [Section 10 51 43 - Wire Mesh Storage Lockers]: Lockers to receive built-in, key-operated locks.

1.2   SUBMITTALS

A.   Provide in accordance with Section 01 33 00 - Submittal Procedures:

> 1.   Product data for locks.

***** Include the following paragraph if <u>LockerManager</u> system is being specified. *****

> 2.   Product data for lock management system describing functions, capacities, and requirements.

> 3.   Installation instructions.

B.   Provide in accordance with Section 01 78 00 - Closeout Submittals:

> 1.   Printed control chart and text file on disc of lock and key serial numbers.

> 2.   [2] [_____] keys for each locker.

> 3.   Special tools required for lock maintenance.

***** Include the following paragraph if <u>LockerManager</u> system is being specified. *****

> 4.   Manuals for locker management system.

PART 2 - PRODUCTS

2.1   ACCEPTABLE MANUFACTURERS

A.   Master Lock Company, 6744 South Howell Avenue, P.O. Box 100367, Oak Creek, Wisconsin 53154; 800-308-9244; www.masterlock.com.

B.   Requests to use equivalent products of other manufacturers shall be submitted in

MASTER LOCK PRODUCT SPECIFICATIONS   **FEBRUARY 2018**

Master Lock Company, 6744 South Howell Avenue, P.O. Box 100367, Oak Creek, Wisconsin 53154
TELEPHONE: 800-308-9244; FAX: 800-308-9245; WEBSITE: www.masterlock.com

accordance with Section 01 63 00 - Product Substitution Procedures.

***** **Master Lock built-in, key-operated locks can be factory or field installed on lockers manufactured by numerous manufacturers. Refer to Master Lock product literature for charts listing appropriate locks for various manufacturer's lockers. Select required lock from the following articles and delete articles for nonapplicable models. If locks are being specified as part of the locker specification, these articles can be inserted into the locker specification section. *******

2.2   MANUAL KEY-OPERATED LOCKS FOR ALL LOCKERS

***** **Model 1710 provides a high level of security and is ideal for ventilated and open mesh lockers with access to back of lock. *******

    A.   Type: Built-in, manual, key-operated lock with steel body and suitable for all locker applications; Model 1710 as manufactured by Master Lock Company.

    B.   Operation: Manual deadbolt locking.

    C.   Mounting: Concealed. Lock suitable for both right or left handed locker door.

    D.   Equip lock with high security, pick resistant, 5 pin tumbler cylinder.

    E.   Keying: Capable of individual, group, or master keying.

2.3   AUTOMATIC KEY-OPERATED LOCKS FOR ALL LOCKERS

***** **Model 1714 uses a springbolt providing the convenience of slam-shut locking. *******

    A.   Type: Built-in, automatic, key-operated, springbolt lock with steel body and suitable for all locker applications; Model 1714 as manufactured by Master Lock Company.

    B.   Operation: Springbolt providing automatic locking with door closure.

    C.   Mounting: Concealed. Lock suitable for both right or left handed locker door.

    D.   Equip lock with high security, pick resistant, 5 pin tumbler cylinder.

    E.   Keying: Capable of individual, group, or master keying.

2.4   ADA COMPLIANT MANUAL KEY-OPERATED LOCKS FOR ALL LOCKERS

***** **Model 1710ADA is supplied with easy to use, large head keys that are suitable for special needs lockers. *******

    A.   Type: ADA compliant, manual, built-in, key-operated lock with steel body and suitable for all types of special needs lockers; Model 1710ADA as manufactured by

Master Lock Company.

B.   Operation: Manual deadbolt locking.

C.   Keys: Large head, easy to use type.

D.   Mounting: Concealed. Lock suitable for both right or left-handed locker door.

E.   Equip lock with high security, pick resistant, 5 pin tumbler cylinder.

F.   Keying: Capable of individual, group, or master keying.

2.5   LOCKER MANAGEMENT SYSTEM

***** School and other facility owners must maintain some form of locker and lock management. Often these have been printed paper documents which are time consuming to update and keep current. Lock Master Company supplies locks with an accompanying printed control chart and a text file on disc of locker, lock, and key numbers. In addition, Master Lock's <u>LockerManager</u> software is an excellent management tool for tracking and managing lockers, locks, user assignments, and keys. System can be supplied with optional handheld operating device. Include and edit this article to specify <u>LockerManager</u> as part of the built-in, key-operated lock package. *****

A.   Provide computerized lock and locker management system consisting of licensed operating software, [handheld operating device,] quick start guide, and user manual; LockerManager as developed and published by Lock Master Company.

B.   Software: Provided as one calendar year renewable license.

C.   System shall be password protected and run on desktop personal computer (PC) and handheld computers.

D.   System functions:

1.   System shall have capacity to register and track the following with search, retrieve, and edit capabilities.

a.   Locker numbers and locations.

b.   Locker assignments for both individuals and groups.

c.   Lock combinations.

d.   Portable combination padlocks.

e.   Locker repairs.

MASTER LOCK PRODUCT SPECIFICATIONS   **FEBRUARY 2018**

Master Lock Company, 6744 South Howell Avenue, P.O. Box 100367, Oak Creek, Wisconsin 53154
TELEPHONE: 800-308-9244; FAX: 800-308-9245; WEBSITE: www.masterlock.com

   f. Other user defined data such as schedules, emergency contact information, and fees.

  2. Automatically assign lockers and randomize assignments to improve traffic flow.

  3. Automatically assign lock combinations.

  4. Maintain complete, searchable data files.

  5. System shall be capable of expansion.

 E. System requirements:

  1. Windows 98 or higher.

  2. 20 MB hard drive space.

  3. Apple Macintosh running Virtual PC and Windows 98 or higher.

***** <u>LockerManager</u> can be supplied with handheld operating devices. Include the following paragraph to specify an optional <u>Palm Powered Handheld</u> device. *****

 F. Provide locker management system with Palm Tyngsten E handheld operating device with power adapter and USB cable.

***** Include the following paragraph to specify an optional <u>Pocket PC Handheld</u> device. *****

 G. Provide locker management system with HP iPAQ rz1710 Pocket PC with AC adapter and USB synchronization cable.

PART 3 - EXECUTION

3.1 INSTALLATION

 A. Locks shall be installed in accordance with lock manufacturer's instructions.

***** Include the following paragraph if locks are to be factory installed on lockers prior to delivery to site. *****

 B. Factory install built-in, key-operated locks on lockers as part of [Section 10 51 13 - Metal Lockers] [Section 10 51 16 - Wood Lockers] [Section 10 51 26 - Plastic Lockers] [Section 10 51 43 - Wire Mesh Storage Lockers] [Section [_____] - [_____]].

***** Include the following paragraph if locks are to be field installed in either existing or

new lockers. ***

C.   Field install built-in, key-operated locks in [existing lockers.] [new lockers specified in [Section 10 51 13 - Metal Lockers] [Section 10 51 16 - Wood Lockers] [Section 10 51 26 - Plastic Lockers] [Section 10 51 43 - Wire Mesh Storage Lockers] [Section [_____] - [_____].]

D.   After installation operate each lock to ensure proper operation. Correct deficiencies and adjust for smooth operation. Verify locker, locks, and key numbers are as scheduled and recorded in lock management data.

***** Include the following paragraph if <u>LockerManager</u> system is being specified. *****

E.   Demonstrate locker management system to Owner's representative: Cover data input, search, retrieve, edit, assignment, and other system functions.

END OF SECTION