**SECTION 087100 - DOOR HARDWARE**

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| **This section is a partial spec noting a Special Product Requirement for MAA. Designer shall complete the specification with information applicable to the project.**  |

**PART 2 - PRODUCTS**

2.1 INTERCHANGEABLE DOOR HARDWARE CORES AND KEYING

A. Manufacturers: Subject to compliance with requirements, provide products by the following:

1. Cylinders:

1. Best Lock Corporation (BLC).

B. Standards: Comply with the following:

1. Cylinders: BHMA A156.5.

C. Cylinder Grade: BHMA Grade 1.

D. Cylinders: Manufacturer's standard tumbler type, constructed from brass or bronze, and complying with the following:

1. Number of Pins: Seven.

2. Mortise Type: Threaded cylinders with rings and straight- or clover-type cam.

3. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring.

4. Bored-Lock Type: Cylinders with tailpieces to suit locks.

1. High-Security Grade: BHMA Grade 1A, listed and. labeled as complying with pick- and drill-resistant testing requirements of UL 437 (Suffix A).

E. Permanent Cores: Manufacturer's standard; finish face to match lockset; complying with the following:

1. Interchangeable Cores: Core insert, removable by use of a special key, and usable with other manufacturers' cylinders.
2. All cores must be re-combinable by removing pin segments of one individual barrel without disturbing the seals or pins of the other barrels of the same core.
3. The control key shall have no cuts in common with the grand-master key and shall operate with a shear line completely independent from the shear line of the grand-master, master and change keys.

F. Construction Keying: Comply with the following:

1. Construction Cores: Provide construction cores that are replaceable by permanent cores. Provide 10 construction master keys.
2. Replace construction cores with permanent cores, as directed by MAA.

G. Keying System: Unless otherwise indicated, provide a factory-registered keying system complying with the following requirements:

1. Grand Master Key System: Cylinders are operated by a change key, a master key, and a grand master key.
2. Existing System: Master key or grand master key locks to Owner's existing system.
3. Cylinders shall be master keyed.

H. Keys: Provide nickel-silver keys complying with the following:

1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:
2. Notation: "DO NOT DUPLICATE." or as directed by MAA.
3. Quantity: In addition to one extra blank key for each lock, provide the following:
4. Cylinder Change Keys: Three.
5. Master Keys: Five.
6. Grand Master Keys: Five.

I. Finishes:

1. Standard: Comply with BHMA A156.18.
2. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
3. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.
4. BHMA Designations: Comply with base material and finish requirements indicated by the following:
5. BHMA 619: Satin nickel plated, clear coated, over brass or bronze base metal.
6. BHMA 626: Satin chromium plated over nickel, over brass or bronze base metal.

2.2 ACCESS KEY BOXES (KNOX BOX)

A. Manufacturers: Subject to compliance with requirements, provide products by the following:

1. Access Key Boxes:
2. Series 3200, Knox Company, Irvine, California.

B. Access Key Boxes:

1. Surface-Mounted Cabinet: ¼ - inch thick steel plate cabinet with ½ - inch thick steel door equipped with interior gasket and
2. Door shall be manufactured to accept Best Removable Core.
3. Finish: Zinc-phosphate primer with black weather resistant TGIC polyester power-coat finish.