SECTION 080671 – DOOR HARDWARE SCHEDULE

PART 1 - GENERAL

1.1   RELATED DOCUMENTS

A.   Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2   SUMMARY

A.   This Section references specification sections relating to commercial door hardware for the following:

1.   Swinging doors.
2.   Sliding Doors.
3.   Other doors to the extent indicated.

B.   Commercial door hardware includes, but is not necessarily limited to, the following:

1.   Mechanical door hardware.
2.   Electromechanical and access control door hardware.
3.   Electromechanical and access control door hardware power supplies, back-ups and surge protection.
4.   Automatic operators.
5.   Cylinders specified for doors in other sections.

C.   Related Sections:

1.   Division 08 Section "Door Hardware".

D.   Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

1.   ANSI A117.1 - Accessible and Usable Buildings and Facilities.
2.   ICC/IBC - International Building Code.
3.   NFPA 70 - National Electrical Code.
4.   NFPA 80 - Fire Doors and Windows.
5.   NFPA 101 - Life Safety Code.
6.   NFPA 105 - Installation of Smoke Door Assemblies.
7.   State Building Codes, Local Amendments.

E.   Standards: Reference Related Sections for requirements regarding compliance with applicable industry standards.

1.3   SUBMITTALS

   A.   Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.

   B.   Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

         1.   Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."

         2.   Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.

         3.   Content: Include the following information:

               a.   Type, style, function, size, label, hand, and finish of each door hardware item.
               b.   Manufacturer of each item.
               c.   Fastenings and other pertinent information.
               d.   Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
               e.   Explanation of abbreviations, symbols, and codes contained in schedule.
               f.   Mounting locations for door hardware.
               g.   Door and frame sizes and materials.

         4.   Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the Door Hardware Schedule.

   C.   Keying Schedule: Prepared under the supervision of the Owner, separate schedule detailing final keying instructions for locksets and cylinders in writing. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner to approve submitted keying schedule prior to the ordering of permanent cylinders.

   D.   Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.

   E.   Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Submittals. The manual to include the name, address, and contact information of the manufacturers providing the hardware and their nearest service representatives. The final copies delivered after completion of the installation test to include "as built" modifications made during installation, checkout, and acceptance.

F.   Warranties and Maintenance: Special warranties and maintenance agreements specified in the Related Sections.

1.4   DELIVERY, STORAGE, AND HANDLING

A.   Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.

B.   Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.

C.   Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.5   WARRANTY

A.   General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.

1.6   MAINTENANCE SERVICE

A.   Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.

PART 2 - PRODUCTS

2.1   SCHEDULED DOOR HARDWARE

A.   Refer to "PART 3 – EXECUTION" for required specification sections.

PART 3 - EXECUTION

3.1   DOOR HARDWARE SETS

A.   The door hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

    1.   Quantities listed are for each pair of doors, or for each single door.

2.   The supplier is responsible for handing and sizing all products.

3.   Where multiple options for a piece of hardware are given in a single line item, the supplier shall provide the appropriate application for the opening.

4.   At existing openings with new hardware the supplier shall field inspect existing conditions prior to the submittal stage to verify the specified hardware will work as required. Provide alternate solutions and proposals as needed.

B.   Products listed in the hardware sets shall be supplied by and in accordance with the requirements described in the specification section as noted for each item.

1.   Section 08 71 00 – Door Hardware.

C.   Manufacturer's Abbreviations:

1. MK - McKinney
2. RU - Corbin Russwin
3. AL - Alarm Lock Systems
4. RF - Rixson
5. NO - Norton
6. RO - Rockwood
7. PE - Pemko

Hardware Sets

Set: 1.0

Doors: 101B, 123, 134, 153, 155, 158

3 Hinge (heavy weight)	T4A3786	US26D	MK	087100
1 Classroom Lock	CLX3355 NZD CT6R	626	RU	087100
1 Interchangeable Core	CR8000- L4	626	RU	087100
1 Wall Stop	403	US26D	RO	087100
1 Gasketing	S88 LAR		PE	087100

Set: 2.0

Doors: 129, 137, 139

3 Hinge (heavy weight)	T4A3786	US26D	MK	087100
1 Classroom Lock	CLX3355 NZD CT6R	626	RU	087100
1 Interchangeable Core	CR8000- L4	626	RU	087100
1 Conc Overhead Stop	1-X36	630	RF	087100
1 Gasketing	S88 LAR		PE	087100

Set: 3.0

Doors: 101A

3	Hinge (heavy weight)	T4A3786	US26D	MK	087100
1	Classroom Lock	CLX3355 NZD CT6R	626	RU	087100
1	Interchangeable Core	CR8000- L4	626	RU	087100
1	Surface Closer	PR7500 / R7500	689	NO	087100
1	Wall Stop	403	US26D	RO	087100
1	Gasketing	S88 LAR		PE	087100

Set: 4.0

Doors: 102, 115A, 115B

3	Hinge (heavy weight)	T4A3786	US26D	MK	087100
1	Classroom Lock	CLX3355 NZD CT6R	626	RU	087100
1	Interchangeable Core	CR8000- L4	626	RU	087100
1	Surface Closer	CPS7500	689	NO	087100
1	Gasketing	S88 LAR		PE	087100

Set: 5.0

Doors: 152

3	Hinge (heavy weight)	T4A3786	US26D	MK	087100
1	Interchangeable Core	CR8000- L4	626	RU	087100
1	Push Button Combo Lock	DL2700 IC / 26D - C		AL	
1	Wall Stop	403	US26D	RO	087100
1	Gasketing	S88 LAR		PE	087100

Set: 6.0

Doors: 106, 112, 125

3	Hinge (heavy weight)	T4A3786	US26D	MK	087100
1	Privacy Lock	ML2060 NSA V20	626C	RU	087100
1	Conc Overhead Stop	1-X36	630	RF	087100
1	Mop Plate	K1050 8" HIGH BEV CSK	US32D-MS	RO	087100
1	Gasketing	S88 LAR		PE	087100

Set: 7.0

Doors: 113, 114, 151

3	Hinge (heavy weight)	T4A3786	US26D	MK	087100
1	Storeroom Lock	CLX3357 NZD CT6R	626	RU	087100
1	Interchangeable Core	CR8000- L4	626	RU	087100

1 Kick Plate	K1050 8" CSK BEV	US32D-MS	RO	087100
1 Mop Plate	K1050 8" HIGH BEV CSK	US32D-MS	RO	087100
1 Wall Stop	400	US26D	RO	087100

Set: 8.0

Doors: 117, 131, 162

3 Hinge (heavy weight)	T4A3786	US26D	MK	087100
1 Storeroom Lock	CLX3357 NZD CT6R	626	RU	087100
1 Interchangeable Core	CR8000- L4	626	RU	087100
1 Conc Overhead Stop	1-X36	630	RF	087100
1 Kick Plate	K1050 8" CSK BEV	US32D-MS	RO	087100
1 Mop Plate	K1050 8" HIGH BEV CSK	US32D-MS	RO	087100

Notes: If door open to 90 deg blocks 50% or greater of egress corridor...omit OH Stop and provide wall stop

Set: 9.0

Doors: 124, 149

1 Pivot	EP-5J	US26D	MK	087100
1 Privacy Lock	ML2060 NSA V20	626C	RU	087100
2 Kick Plate	K1050 8" CSK BEV	US32D-MS	RO	087100
1 Wall Stop	400	US26D	RO	087100
2 Astragal	A372P 84"		PE	087100
1 Combination Stop/Strike	CSS-9x5-3/4-OH	US26D	MK	087100

Set: 10.0

Doors: 105, 144, 148

1 Pivot	EP-5J	US26D	MK	087100
1 Privacy Lock	ML2060 NSA V20	626C	RU	087100
1 Conc Overhead Stop	1-X36	630	RF	087100
2 Kick Plate	K1050 8" CSK BEV	US32D-MS	RO	087100
2 Astragal	A372P 84"		PE	087100
1 Combination Stop/Strike	CSS-9x5-3/4-OH	US26D	MK	087100

Set: 11.0

Doors: 119, 120, 121, 127, 128, 130, 135, 141, 142, 143, 154, 156, 157, 159, 160, 161

3	Hinge (heavy weight)	T4A3786	US26D	MK	087100
1	Passage Latch	CLX3310 NZD	626	RU	087100
1	Kick Plate	K1050 8" CSK BEV	US32D-MS	RO	087100
1	Mop Plate	K1050 8" HIGH BEV CSK	US32D-MS	RO	087100
1	Wall Stop	400	US26D	RO	087100
1	Gasketing	S88 LAR		PE	087100

Set: 12.0

Doors: 111, 116, 126, 136, 138, 140, 146

3	Hinge (heavy weight)	T4A3786	US26D	MK	087100
1	Passage Latch	CLX3310 NZD	626	RU	087100
1	Conc Overhead Stop	1-X36	630	RF	087100
1	Kick Plate	K1050 8" CSK BEV	US32D-MS	RO	087100
1	Mop Plate	K1050 8" HIGH BEV CSK	US32D-MS	RO	087100
1	Gasketing	S88 LAR		PE	087100

Set: 13.0

Doors: 163

3	Hinge (heavy weight)	T4A3786	US26D	MK	087100
1	Exit Device (passage)	ED5200A N910ET	626C	RU	087100
1	Conc Overhead Stop	1-X36	630	RF	087100
1	Surface Closer	PR7500 / R7500	689	NO	087100
1	Gasketing	S88 LAR		PE	087100

Set: 98.0

Doors: 003, 004, 005, 006, 007, 008, 145

1	Interchangeable Core	CR8000- L4	626	RU	087100

Notes: Existing hardware to remain. New core as requested by Architect.

Set: 99.0

Doors: 108, 132, 147, 150

1 Interchangeable Core   CR8000- L4   626   RU   087100

Notes: Sliding door hardware by Sliding Door manufacturer...
Provide Final keyed core as required..

END OF SECTION 080671