

SECTION 080671 – DOOR HARDWARE SETS

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. The Access Control system includes card readers that include battery operated locksets and updaters/controllers at secure doors, as identified in the Door Hardware Sets. The General Contractor is responsible for furnishing and installing the doors, frames, hardware, locksets, and door operators. The Electrical Contractor is responsible for the required wiring and connections to the access control devices that are to be furnished and installed by the General Contractor. The Electrical Contractor is also responsible for the wiring, labor and equipment as it relates to the fire alarm system. The General Contractor will furnish and install the Magnetic hold open devices for the Electrical Contractor to connect to the Fire Alarm system. The General Contractor will furnish and install the Door Contacts for the Electrical Contractor to connect to the Security system.

- D. Related Sections:

1. Division 01 Section "Sustainable Design Requirements" for additional LEED documentation and requirements.
2. Division 06 Section "Rough Carpentry".
3. Division 06 Section "Finish Carpentry".
4. Division 01 Section "Operations and Maintenance".
5. Division 08 Section "Hollow Metal Doors and Frames".
6. Division 08 Section "Flush Wood Doors".
7. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
8. Division 08 Section "Automatic Door Operators".
9. Division 26 Section "Access Control".

- E. 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.
- F. 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 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum [5] years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Installer Qualifications: Installers, trained by the primary product manufacturers, with a minimum [3] years documented experience installing both standard and electrified builders hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum [5] years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor in good standing by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- D. Source Limitations: Obtain each type and variety of Door Hardware specified in the Related Sections from a single source, qualified supplier unless otherwise indicated.
- E. Regulatory Requirements: Comply with NFPA 70, NFPA 80, NFPA 101 and ANSI A117.1 requirements and guidelines as directed in the applicable model building code.
- F. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.

1.5 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".

1.6 COORDINATION

- A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
- B. Door and Frame Preparation: Division 08 Sections (Steel, Aluminum and Wood) doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 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.

1.8 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.

- B. The supplier is responsible for handing and sizing all products as listed in the door hardware sets. Quantities listed are for each pair of doors, or for each single door.
- C. Division of work. Electrical Contractor is to ~~supply~~ **wire and connect** all low-voltage and line-voltage access Control and Security systems, hardware, and devices. General Contractor to provide all doors, frames, and all ~~other non-electronic~~ door hardware. General Contractor will prep doors, frames, and jams ~~for Electrical Contractor~~ **and will** provided and installed access control and security devices. GC and EC to fully coordinate shop drawings prior to submittal, and coordinate installation and sequencing of work.
- D. Products listed in the Door Hardware Sets must meet the requirements described in the specification sections noted. Products and Manufacturer's are listed as basis of design, or approved equivalent.
1. Division 08 Section "Hollow Metal Doors and Frames".
 2. Division 08 Section "Wood Doors"
 3. Division 08 Section "Access Doors"
 4. Division 08 Section "Overhead Coiling Grille"
 5. Division 08 Section "Aluminum-Framed Entrances and Storefronts"
 6. Division 08 Section "Swinging Automatic Entrance Door"
 7. Division 08 Section "Automatic Door Operators".
 8. Division 26 Section "Access Control".
- E. Basis of Design, Manufacturer's Abbreviations:

1. MK - McKinney
2. SU - Securitron
3. PE - Pemko
4. RO - Rockwood
5. YA - Yale
6. YR - Yale Residential
7. AD - Adams Rite
8. HS - HES
9. NO - Norton
10. RF - Rixson
11. RU - Corbin Russwin
12. MC - Medeco

Hardware Sets

Set: 1

Description: OVERHEAD COILING DOOR
Door: 117.5

By General Contractor

1 Hardware WITH OVERHEAD DOOR

Set: 2

Description: EXTERIOR - MAIN ENTRANCE VESTIBULE DOORS (ACCESS CONTROL)
Door: 119.1, 119.2,

By General Contractor

2 Continuous Hinge	CFM-SLF x PT	PE 087100
1 Rim Cylinder	1109	626 YA 087100

2	Pull	BF157	US32D	RO	087100	
1	Closer	5831	689	YA	087100	
1	Threshold	252x3AFG		PE	087100	
1	Weatherseal	WITH ALUMINUM DOOR				
2	Sweep	345CV		PE	087100	
2	Electric Power Transfer	EL-CEPT		SU	087100	□
1	CVR Exit Device	6160 B P EO	630	YA	087100	□
1	CVR Exit Device	6160 B P 121NL	630	YA	087100	
□						
1	Auto Operator	6000 SERIES x 120V	689	NO	087100	□
2	Door Switch	501		NO	087100	□
1	Updater/Controller	NTX610-KIT		YA	281310	□
2	ElectroLynx Harness	QC-C x LENGTH REQ'D		MK	087100	□
2	ElectroLynx Harness	QC-C1500P		MK	087100	□
1	Controller	782		YA	087100	
2	Door Contacts					
1	Wiring Diagrams	ELEVATION & POINT-TO-POINT				

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required.

2	Electric Power Transfer	EL-CEPT		SU	087100	□
1	CVR Exit Device	6160 B P EO	630	YA	087100	□
1	CVR Exit Device	6160 B P 121NL	630	YA	087100	□
1	Auto Operator	6000 SERIES x 120V	689	NO	087100	□
2	Door Switch	501		NO	087100	□
1	Updater/Controller	NTX610-KIT		YA	281310	□
2	ElectroLynx Harness	QC-C x LENGTH REQ'D		MK	087100	□
2	ElectroLynx Harness	QC-C1500P		MK	087100	□
1	Controller	782		YA	087100	□
2	Door Contact	SECURITY BY EC				
1	Wiring Diagrams	ELEVATION & POINT-TO-POINT				

Notes: Operational Description: Doors are normally closed and locked and outside door switch is disabled. Presenting a valid card to the card reader will momentarily retract latch of exit device at RHR leaf and enable outside door switch, allowing manual entry by pulling door open or assisted entry by pressing outside door switch to activate auto operator at RHR leaf. Entry also by key in cylinder at RHR leaf. Assisted egress at all times by pressing inside door switch to retract latches of exit device and activate auto operator at RHR leaf. Manual egress at all times by pressing rail of either exit device and exiting. Pressing rail of either device will shunt door contacts for authorized egress. Door contacts monitor the position of the doors and report this status to the security system.

Set: 3

Description: EXTERIOR STAIR- EXIT ONLY

Door: S1.2, S4.2

By General Contractor

1	Continuous Hinge	CFM-SLF		PE	087100	
1	Exit Device	1800 EO	689	YA	087100	
1	Closer	5831	689	YA	087100	
1	Threshold	252x3AFG		PE	087100	
1	Weatherseal	WITH ALUMINUM DOOR				
1	Sweep	345CV		PE	087100	

- 1 Door Contact
- 1 Wiring Diagrams ELEVATION & POINT-TO-POINT

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required.

- 1 Door Contact SECURITY BY EC
- 1 Wiring Diagrams ELEVATION & POINT-TO-POINT

Notes: Operational Description: Door is normally closed and latched; EXIT ONLY. Manual egress at all times by pressing rail of exit device and exiting. Door contact monitors the position of the door and reports this status to the security system.

Set: 4

Description: EXTERIOR COURTYARD - SINGLE (ACCESS CONTROL)

Door: 117.1, 210.1, 223.1, 310.1, 323.1, 410.1, 423.1

By General Contractor

- | | | | | | |
|----------------------|----------------------------|-------|----|--------|--------------------------|
| 1 Continuous Hinge | CFM-SLF | | PE | 087100 | |
| 1 Exit Device | 1800 213F | 689 | YA | 087100 | |
| 1 Rim Cylinder | 1109 | 626 | YA | 087100 | |
| 1 Pull | BF157 | US32D | RO | 087100 | |
| 1 Closer | 5831 | 689 | YA | 087100 | |
| 1 Threshold | 252x3AFG | | PE | 087100 | |
| 1 Weatherseal | WITH ALUMINUM DOOR | | | | |
| 1 Sweep | 345CV | | PE | 087100 | |
| 1 Electric Strike | 9600 | 630 | HS | 087100 | <input type="checkbox"/> |
| 1 Updater/Controller | NTX610-KIT | | YA | 281310 | <input type="checkbox"/> |
| 1 Power Supply | BPS-24 | | RU | 087100 | <input type="checkbox"/> |
| 1 Door Contact | | | | | |
| 1 Wiring Diagrams | ELEVATION & POINT-TO-POINT | | | | |

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required.

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|----------------------|----------------------------|-----|----|--------|--------------------------|
| 1 Electric Strike | 9600 | 630 | HS | 087100 | <input type="checkbox"/> |
| 1 Updater/Controller | NTX610-KIT | | YA | 281310 | <input type="checkbox"/> |
| 1 Power Supply | BPS-24 | | RU | 087100 | <input type="checkbox"/> |
| 1 Door Contact | SECURITY BY EC | | | | |
| 1 Wiring Diagrams | ELEVATION & POINT-TO-POINT | | | | |

Notes: Operational Description: Door is normally closed and locked. Presenting a valid card to the card reader will momentarily release keeper of electric strike, allowing entry. Entry also by key in cylinder. Manual egress at all times by pressing rail of exit device and exiting. Door contact monitors the position of the door and reports this status to the security system.

Set: 5

Description: RETAIL – PAIR

Door: 118.1

By General Contractor

- | | | | | | |
|--------------------|----------------------------------|-------|----|--------|--|
| 2 Continuous Hinge | CFM-SLF | | PE | 087100 | |
| 2 Push/Pull Bar | BF15747 | US32D | RO | 087100 | |
| 2 Kick Plate | K1050 - 10" x 2" LDW x 4BE x CSK | US32D | RO | 087100 | |

2	Wall Stop	409	US32D	RO	087100
2	Kick Stop				

Set: 6

Description: TRASH ROOM LOCKING (PAIR)

Door: 108.4, 128.4

By General Contractor

6	Hinge	MPB79 4-1/2" x 4-1/2"	US26D	MK	087100
2	Flush Bolt	555	US26D	RO	087100
1	Dust Proof Strike	570	US26D	RO	087100
1	Storeroom Lock	MO 4605LN	626	YA	087100
1	Closer	2701	689	YA	087100
2	Kick Plate	K1050 - 10" x 1" LDW x 4BE x CSK	US32D	RO	087100
2	Wall Stop	409	US32D	RO	087100
1	Door Contact				
1	Wiring Diagrams	ELEVATION & POINT-TO-POINT			

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required.

1	Door Contact	SECURITY BY EC			
1	Wiring Diagrams	ELEVATION & POINT-TO-POINT			

Set: 7

Description: CROSS CORRIDOR (DOUBLE EGRESS)

Door: C-1, C-5

By General Contractor

2	Continuous Hinge	CFM		PE	087100
2	SVR Exit Device	1810F EO	689	YA	087100
2	Closer	2701	689	YA	087100
1	Gasketing	S88D		PE	087100
1	Mtg Edge Gasketing	S77D		PE	087100
2	Magnetic Holder	997	689	RF	087100 □

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required

2	Magnetic Holder	997	689	RF	087100 □
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Notes: Operational Description: Doors are normally held open by magnetic holders. Upon activation of fire alarm system, power to the magnetic holders is interrupted, allowing doors to close and latch. Egress at all times by pressing rail of either exit device and exiting.

Set: 8

Description: COMMON SPACES AND OFFICES (ACCESS CONTROL)

Door: 103, 110, 111, 117.2, 120, 127, 129, 131, 137, 139, 203, 209, 225, 231, 303, 309, 325, 331, 403, 409, 425, 431

By General Contractor

3	Hinge	MPB79 4-1/2" x 4-1/2"	US26D	MK	087100
1	Closer	2701	689	YA	087100
1	Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO	087100

1	Wall Stop	409	US32D	RO	087100	
1	Access Control Cyl Lock	MO NTB620-ACC	626	YA	281310	□

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required

1	Access Control Cyl Lock	MO NTB620-ACC	626	YA	281310	□
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Notes: Operational Description: Door is normally closed and locked. Presenting a valid credential to the reader on the lockset will momentarily unlock outside lever allowing entry. Entry also by key in cylinder. Manual egress at all times by operating inside lever and exiting.

Set: 9

Description: STAIR - PASSAGE (PANIC)

Door: S1.1, S1.3, S1.5, S2.1, S2.2, S2.3, S2.4, S3.1, S3.2, S32.3, S3.4, S4.1, S4.3, S4.5

By General Contractor

3	Hinge	MPB79 4-1/2" x 4-1/2"	US26D	MK	087100	
1	Exit Device	1800F MO428F	689	YA	087100	
1	Passage Set	MO 4655LN	626	YA	087100	
1	Closer	2701	689	YA	087100	
1	Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO	087100	
1	Wall Stop	409	US32D	RO	087100	
1	Gasketing	S88D		PE	087100	

Set: 10

Description: TRASH VESTIBULE (ACCESS CONTROL)

Door: 108.1, 128.1, 212, 222, 312, 322, 412, 422

By General Contractor

3	Hinge	MPB79 4-1/2" x 4-1/2"	US26D	MK	087100	
1	Closer	2701	689	YA	087100	
1	Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO	087100	
1	Wall Stop	409	US32D	RO	087100	
1	Electric Strike	9600	630	HS	087100	□
1	Updater/Controller	NTX610-KIT		YA	281310	□
1	Power Supply	BPS-24		RU	087100	□
1	Door Contact					
1	Wiring Diagrams	ELEVATION & POINT-TO-POINT				

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required

1	Electric Strike	9600	630	HS	087100	□
1	Updater/Controller	NTX610-KIT		YA	281310	□
1	Power Supply	BPS-24		RU	087100	□
1	Door Contact	SECURITY BY EC				
1	Wiring Diagrams	ELEVATION & POINT-TO-POINT				

Notes: Operational Description: Door is normally closed and locked. Presenting a valid card to the card reader will momentarily release keeper of electric strike, allowing entry. Entry also by key in cylinder. Manual egress at all times by operating inside lever and exiting. Door contact monitors the position of the door and reports this status to the security system.

Set: 11

Description: MAIN UTILITY – SINGLE

Door: 126, 126A

By General Contractor

3	Hinge	MPB79 4-1/2" x 4-1/2"	US26D	MK	087100
1	Exit Device	1800F MO427F	689	YA	087100
1	Rim Cylinder	1109	626	YA	087100
1	Closer	2701	689	YA	087100
1	Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO	087100
1	Gasketing	S88D		PE	087100

Set: 12

Description: ATTIC - SINGLE

Door: S1.6, S1.7, S4.6, S4.7, R-1, R-2, R-3, R-4, R-5, R-6, R-7, R-8, R-9, R-10, R-11, R-12

By General Contractor

3	Hinge	MPB79 4-1/2" x 4-1/2"	US26D	MK	087100
1	Storeroom Lock	MO 4605LN	626	YA	087100
1	Closer	2701	689	YA	087100
1	Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO	087100
1	Threshold	252x3AFG		PE	087100
1	Weatherseal	WITH ALUMINUM DOOR			
1	Sweep	345CV		PE	087100

Set: 13

Description: STOREROOM (w/ CLOSER)

Door: 108.2, 108.3, 109A, 117.3, 117.4, 118.2, 118.3, 128.2, 128.3, 131A, 208, 209A, 209B, 221, 225A, 225B, 308, 309A, 309B, 321, 325A, 325B, 408, 409A, 409B, 421, 425A, 425B

By General Contractor

3	Hinge	MPB79 4-1/2" x 4-1/2"	US26D	MK	087100
1	Storeroom Lock	MO 4605LN	626	YA	087100
1	Closer	2701	689	YA	087100
1	Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO	087100
1	Wall Stop	409	US32D	RO	087100

Set: 14

Description: RESTROOM - MULTI-STALL

Door: 116, 122

By General Contractor

3	Hinge	MPB79 4-1/2" x 4-1/2"	US26D	MK	087100
1	Push Plate	70C (4 x 16)	US32D	RO	087100
1	Pull	112	US32D	RO	087100
1	Closer	2701	689	YA	087100
1	Kick Plate	K1050 - 10" x 2" LDW x 4BE x CSK	US32D	RO	087100
1	Wall Stop	409	US32D	RO	087100

Set: 15A

Description: RESIDENT UNIT - ENTRY (I/C DOC x SPRING HINGE)

Door: 1.1, 1A.1, 2.1, 2A.1

By General Contractor

3	Spring Hinge	1502 4-1/2" x 4-1/2"	US15	MK	087100	
1	Door Stop	519	US15	RO	087100	
1	Threshold	EV232BL		PE	087100	
1	Gasketing	S88D		PE	087100	
1	Door Bottom	2343AV		PE	087100	
1	Viewer	622	STNN	RO	087100	
1	DOC Interconn Lock	YRC620-ACC MO	619	YR	281310	□

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required

~~1 DOC Interconn Lock YRC620-ACC MO 619 YR 281310 □~~

Notes: Operational Description: Door is normally closed and locked. Presenting a valid credential to the reader on the lockset will momentarily unlock outside lever allowing entry. Entry also by key in cylinder. Manual egress at all times by operating inside lever and exiting.
PROVIDE SECOND DOOR VIEWER (622) AT BARRIER FREE UNITS.

Set: 15B (DEDUCT ALTERNATE)

Description: RESIDENT UNIT - ENTRY (MECHANICAL x SPRING HINGE)

Door: 1.1, 1A.1, 2.1, 2A.1

By General Contractor

3	Spring Hinge	1502 4-1/2" x 4-1/2"	US15	MK	087100	
1	Passage Set	11 MO x UL	619	YR		
1	Deadbolt	83	619	YR	087100	
1	Door Stop	519	US15	RO	087100	
1	Threshold	EV232BL		PE	087100	
1	Gasketing	S88D		PE	087100	
1	Door Bottom	2343AV		PE	087100	
1	Viewer	622	STNN	RO	087100	

Notes: PROVIDE SECOND DOOR VIEWER (622) AT BARRIER FREE UNITS.

Set: 16

Description: RESIDENT UNIT - CLOSET (PAIR)

Door: 1.8, 1A.7, 2.2, 2.8, 2A.2, 2A.5, 2A.8

By General Contractor

6	Hinge	WITH PRE-HUNG DOOR	619			
2	Roller Latch	592	US19	RO	087100	
2	Dummy Lever	81 AL	619	YR		
2	Door Stop	505/528	US15	RO	087100	

Set: 17

Description: RESIDENT UNIT - CLOSET (SINGLE)

Door: 1.3, 1.5, 1.6, 1A.3, 1A.5, 1A.8, 2.4, 2.6, 2.9, 2A.4, 2A.9

By General Contractor

3	Hinge	WITH PRE-HUNG DOOR	619			
1	Passage Set	11 AL	619	YR		
1	Door Stop	505/528	US15	RO	087100	

Notes: PROVIDE HINGE PIN OR BASE STOP PER OPENING CONDITIONS.

Set: 18

Description: RESIDENT UNIT - BEDROOM / BATHROOM

Door: 1.4, 1.7, 1A.4, 1A.6, 2.3, 2.5, 2.7, 2A.3, 2A.6, 2A.7

By General Contractor

3 Hinge	WITH PRE-HUNG DOOR	619	
1 Privacy Set	21 AL	619	YR
1 Door Stop	505/528	US15	RO 087100

Notes: PROVIDE HINGE PIN OR BASE STOP PER OPENING CONDITIONS.

Set: 19

Description: RESIDENT UNIT - MECHANICAL (IN UNIT)

Door: 1.2, 1A.2, 2.10, 2A.10

By General Contractor

3 Hinge	WITH PRE-HUNG DOOR	619	
1 Deadbolt	83	619	YR 087100

Set: 20

Description: RESIDENT ACCESS SYSTEM ACCESSORIES

By General Contractor

2 Updater/Controller	NTX610-KIT	YA	281310	
2 Controller	NTX600-CTLR	YA	281310	<input type="checkbox"/>
2 Module	NTX600-ACC-Key	YA	281310	<input type="checkbox"/>
1 Credentials	NTX600-YALFOB-8K	YA	281310	
1 Credentials	NTX600-YALCRD-8K	YA	281310	
2 Updater	NTX610-UPDTR	YA	281310	<input type="checkbox"/>
1 Software (Annual)	ACC-SUB-500	YA	281300	
1 System Commissioning	ACC-SUB-INIT	YA	281300	
16 Remote Training (HOUR)		YA	087400	
2 Site Training (DAY)		YA	087400	
1 Key Management System	EA-100117	MC	087100	<input type="checkbox"/>

By Electrical Contractor

Connection to fire alarm and security systems. Line and low-voltage wiring and connections, as required

2 Updater/Controller	NTX610-KIT	YA	281310	
2 Controller	NTX600-CTLR	YA	281310	<input type="checkbox"/>
2 Module	NTX600-ACC-Key	YA	281310	<input type="checkbox"/>
1 Credentials	NTX600-YALFOB-8K	YA	281310	
1 Credentials	NTX600-YALCRD-8K	YA	281310	
2 Updater	NTX610-UPDTR	YA	281310	<input type="checkbox"/>
1 Software (Annual)	ACC-SUB-500	YA	281300	
1 System Commissioning	ACC-SUB-INIT	YA	281300	
16 Remote Training (HOUR)		YA	087400	
2 Site Training (DAY)		YA	087400	
1 Key Management System	EA-100117	MC	087100	<input type="checkbox"/>

END OF SECTION 080671