
PART 1 GENERAL**1.1 RELATED DOCUMENTS**

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

1.2 SUMMARY

- A. This Section includes:
1. Mechanical door hardware for the following:
 - a. Swinging doors.
 2. Cylinders for door hardware specified in other Sections.
 3. Electrified door hardware.
- B. Related Sections:
1. Division 8 Section "Hollow Metal Doors and Frames" for astragals provided as part of labeled fire-rated assemblies and for door silencers provided as part of hollow-metal frames.
 2. Division 8 Section "Stainless-Steel Doors and Frames" for astragals provided as part of labeled fire-rated assemblies and for door silencers provided as part of stainless steel frames.
 3. Division 8 Section "Flush Wood Doors" for astragals provided as part of labeled fire-rated assemblies.
 4. Division 8 Section "Access Doors and Frames" for access door hardware, except cylinders.
 5. Division 8 Section "Overhead Coiling Doors" for door hardware provided as part of overhead door assemblies.
 6. Division 8 Section "Aluminum-Framed Entrances and Storefronts" for entrance door hardware, except cylinders.
 7. Division 8 Section "All-Glass Entrances and Storefronts" for entrance door hardware, except cylinders.
 8. Division 8 Section "Formed Stainless Steel Doors and Entrances" for entrance door hardware, except cylinders.
 9. Division 28 Section "Fire Detection, Alarm and Communication Systems" for connections to building fire-alarm system.
 10. Division 28 Section "Security Management System" for access control devices installed at door openings and provided as part of a security system.

1.3 QUALITY ASSURANCE

- A. The work of this section shall be performed by a company which specializes in the type of door hardware work required for this Project, with a minimum of 5 years of documented successful experience and shall be performed by skilled workmen thoroughly experienced in the necessary crafts.
1. Work shall be performed in compliance with Owner's insurance underwriters' requirements and UL approvals and testing for materials, assemblies and procedures.
- B. Manufacturer shall specialize in manufacturing the type of door hardware specified in this section, with a minimum of 5 years of documented successful experience, and have the facilities capable of meeting all requirements of Contract Documents as a single-source responsibility and warranty.
- C. Installer Qualifications: Supplier of products and an employer of workers trained and approved by product manufacturers and an Architectural Hardware Consultant who is available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.
1. Warehousing Facilities: In Project's vicinity.
 2. Scheduling Responsibility: Preparation of door hardware and keying schedules.
 3. Engineering Responsibility: Preparation of data for electrified door hardware, including Shop Drawings, based on testing and engineering analysis of manufacturer's standard units in assemblies similar to those indicated for this Project.
- D. Architectural Hardware Consultant Qualifications: A person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and who is currently certified by DHI as follows:
1. For Door Hardware: An Architectural Hardware Consultant (AHC) who is also an Electrified Hardware Consultant (EHC).

- E. Source Limitations: Obtain each type of door hardware from a single manufacturer.
1. Provide electrified door hardware from same manufacturer as mechanical door hardware, unless otherwise indicated. Manufacturers that perform electrical modifications and that are listed by a testing and inspecting agency acceptable to authorities having jurisdiction are acceptable.
- F. Fire-Rated Door Assemblies: Where fire-rated door assemblies are indicated, provide door hardware rated for use in assemblies complying with NFPA 80 that are listed and labeled by a qualified testing agency, for fire-protection ratings indicated, based on testing at positive pressure according to NFPA 252 or UL 10C, unless otherwise indicated.
- G. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meet requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
1. Air Leakage Rate: Maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at the tested pressure differential of 0.3-inch wg (75 Pa) of water.
- H. Electrified Door Hardware: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction.
- I. Means of Egress Doors: Latches do not require more than 15 lbf (67 N) to release the latch. Locks do not require use of a key, tool, or special knowledge for operation.
- J. Accessibility Requirements: For door hardware on doors in an accessible route, comply with the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.1.
1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22.2 N).
 2. Comply with the following maximum opening-force requirements:
 - a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
 - b. Sliding or Folding Doors: 5 lbf (22.2 N) applied parallel to door at latch.
 - c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
 3. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than 1/2 inch (13 mm) high.
 4. Adjust door closer sweep periods so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door.
- K. Keying Conference: Conduct conference at Project site to comply with requirements in Section 01 31 00 "Project Management and Coordination." In addition to Owner, Construction Manager, Contractor, and Architect, conference participants shall also include Installer's Architectural Hardware Consultant and Owner's security consultant. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including, but not limited to, the following:
1. Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
 2. Preliminary key system schematic diagram.
 3. Requirements for key control system.
 4. Requirements for access control.
 5. Address for delivery of keys.
- L. Preinstallation Conference: Conduct conference at Project site.
1. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 2. Inspect and discuss preparatory work performed by other trades.
 3. Inspect and discuss electrical roughing-in for electrified door hardware.
 4. Review sequence of operation for each type of electrified door hardware.
- M. Manufacturer's identification tags or marks are not acceptable on surfaces which will remain exposed to view after installation.
1. Evidence of "patching" after removal of tags or marks is not acceptable.
- N. Through-bolting of hardware items where bolts are exposed is not acceptable.

1.4 ACTION SUBMITTALS

- A. Submit the following according to Conditions of the Construction Contract and Division 1 Specification Sections.
- B. LEED Submittals:
1. Product Data for Credit MR 4: For products having recycled content, documentation indicating percentages by weight of postconsumer and preconsumer recycled content. Include statement indicating cost for each product having recycled content.
 2. Product Data for Credit MR 5.1 and Credit MR 5.2: For products and materials required to comply with criteria for regional materials indicating location and distance from Project of material manufacturer and point of extraction, harvest, or recovery for each raw material. Include statement indicating cost for each regional material and the fraction by weight that is considered regional.
- C. Product Data: For each type of product indicated. Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.
1. Each catalog "cut-sheet" shall be marked to clearly identify "Hardware Scheduled".
 2. For each product and type of product, annotate the manufacturer's model numbering system to explain meaning, clearly and explicitly demonstrating compliance with specified and scheduled requirements.
- D. Shop Drawings: Details of electrified door hardware, indicating the following:
1. Wiring Diagrams: For power, signal, and control wiring and including the following:
 - a. Details of interface of electrified door hardware and building safety and security systems.
 - b. Schematic diagram of systems that interface with electrified door hardware.
 - c. Point-to-point wiring.
 - d. Risers.
 - e. Elevations doors controlled by electrified door hardware.
 2. Operation Narrative: Describe the operation of doors controlled by electrified door hardware.
- E. Samples for Verification: For exposed door hardware of each type required, in each finish specified, prepared on Samples of size indicated below. Tag Samples with full description for coordination with the door hardware schedule. Submit Samples before, or concurrent with, submission of door hardware schedule.
1. Sample Size: Full-size units or minimum 2-by-4-inch (51-by-102-mm) Samples for sheet and 4-inch (102 mm) long Samples for other products.
 - a. Full-size Samples will be returned to Contractor. Units that are acceptable and remain undamaged through submittal, review, and field comparison process may, after final check of operation, be incorporated into the Work, within limitations of keying requirements.
- F. Other Action Submittals:
1. Door Hardware Schedule: Prepared by or under the supervision of Installer, detailing fabrication and assembly of door hardware, as well as installation procedures and diagrams. Coordinate final door hardware schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - a. Submittal Sequence: Submit door hardware schedule after submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate the fabrication of other work that is critical in Project construction schedule.
 - b. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
 - c. Content: Include the following information:
 - 1) Identification number, location, hand, fire rating, size, and material of each door and frame.
 - 2) Locations of each door hardware set, cross-referenced to Drawings on floor plans and to door and frame schedule.
 - 3) Complete designations, including name and manufacturer, type, style, function, size, quantity, function, and finish of each door hardware product.
 - 4) Description of electrified door hardware sequences of operation and interfaces with other building control systems.
 - 5) Fastenings and other pertinent information.
 - 6) Explanation of abbreviations, symbols, and codes contained in schedule.
 - 7) Mounting locations for door hardware.
 - 8) List of related door devices specified in other Sections for each door and frame.
 2. Keying Schedule: Prepared by or under the supervision of Installer, detailing Owner's final keying instructions for locks. Include schematic keying diagram and index each key set to unique door designations that are coordinated with the Contract Documents.

- G. Hazardous Materials Notification: In the event no product or material is available that does not contain asbestos, PCB or other hazardous materials as determined by the Owner, a "Material Safety Data Sheet" (MSDS) equivalent to OSHA Form 20 shall be submitted for that proposed product or material prior to installation.
- H. Asbestos and PCB Certification: After completion of installation, but prior to Substantial Completion, Contractor shall certify in writing that products and materials installed, and processes used, do not contain asbestos or polychlorinated biphenyls (PCB), using format in Article 3 of General Conditions.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer and Architectural Hardware Consultant.
- B. Product Certificates: For electrified door hardware, from the manufacturer.
 - 1. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
- C. Product Test Reports: For compliance with accessibility requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified testing agency, for door hardware on doors located in accessible routes.
- D. Warranty: Special warranty specified in this Section.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of door hardware to include in maintenance manuals. Include final hardware and keying schedule.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Door Hardware: 3% of scheduled hardware. Coordinate with Owner.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Comply with General Conditions and Division 1 Section "Product Requirements".
- B. Inventory door hardware on receipt and provide secure lock-up for door hardware delivered to Project site.
- C. Tag each item or package separately with identification coordinated with the final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package.
- D. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.
- E. Deliver keys and permanent cores to Owner by registered mail or overnight package service.

1.9 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete. Concrete, reinforcement, and formwork requirements are specified in Division 3.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.
- E. Existing Openings: Where hardware components are scheduled for application to existing construction or where modifications to existing door hardware are required, field verify existing conditions and coordinate installation of door hardware to suit opening conditions and to provide proper door operation.

1.10 WARRANTY

- A. Comply with General Conditions and Division 1 Section "Product Requirements".
- B. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including excessive deflection, cracking, or breakage.
 - b. Faulty operation of doors and door hardware.
 - c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.
 - d. Through-bolting for attachment of overhead closers or door hardware.
 - 2. Warranty Period: Three years from date of Substantial Completion, unless otherwise indicated.
 - a. Electromagnetic and Delayed-Egress Locks: Five years from date of Substantial Completion.
 - b. Exit Devices: Two years from date of Substantial Completion.
 - c. Manual Closers: 10 years from date of Substantial Completion.
 - d. Concealed Floor Closers: 10 years from date of Substantial Completion.

1.11 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.
- B. Maintenance Service: Beginning at Substantial Completion, provide six months' full maintenance by skilled employees of door hardware Installer. Include quarterly preventive maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door and door hardware operation. Provide parts and supplies that are the same as those used in the manufacture and installation of original products.

PART 2 PRODUCTS**2.1 UNAUTHORIZED MATERIALS**

- A. Materials and products required for work of this section shall not contain asbestos, polychlorinated biphenyls (PCB) or other hazardous materials identified by the Owner.

2.2 ACCEPTABLE MANUFACTURERS

- A. Products of the manufacturers specified in this section establish the minimum functional, aesthetic and quality standards required for work of this section.
- B. Substitutions: Comply with General Conditions using form in Division 1 Section "Substitution Request Form".
- C. Recycled Content: For materials containing post-industrial (pre-consumer) and/or post-consumer recycled content, Contractor shall document the cost and percentage (by weight) of each material broken out by post-industrial (pre-consumer) and post-consumer content.
- D. Regional Content: For materials containing content that is extracted, harvested or recovered as well as manufactured within 500 miles of the project site – 101 First Street, San Francisco, CA 94103. Contractor shall document the cost and percentage (by weight) of each material that is regional.

2.3 SCHEDULED DOOR HARDWARE

- A. Provide door hardware for each door as scheduled in Part 3 "Door Hardware Schedule" Article to comply with requirements in this Section.
 - 1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and named manufacturers' products.
 - 2. Sequence of Operation: Provide electrified door hardware function, sequence of operation, and interface with other building control systems indicated.
 - 3. Hardware for Labeled Doors: Shall meet requirements of Underwriters' Laboratories, and code authorities for required label.
 - 4. Trademarks: Manufacturer's names, logos or trademarks shall not appear on the face of locks, cylinders, closers, hinges or other exposed surfaces, except as required for UL listed hardware.

2.4 HINGES

- A. Hinges: Specifications are based on Stanley Hardware/New Britain, Connecticut.

| | | |
|-----|----------------------|--------------------------------------------|
| H-1 | Hinges | FBB 191 - 4-1/2 x 4 x 630 |
| H-2 | Hinges (Electric) | CE FBB - 179 4-1/2 x 4 x 10 wire x 630 |
| H-3 | Hinges | FBB 191 - 5 x 4 x 630 |
| H-4 | Hinges (Heavy Duty) | FBB 168 - 4 1/2 x 4 1/2 x 630 |
| H-5 | Hinges (HD Electric) | CE FBB 199 - 4 1/2 x 4 1/2 x 10 wire x 630 |

Other Manufacturers: The following are acceptable only after full compliance with requirements of this section.

1. McKinney Manufacturing Co/Scranton, Pennsylvania.
2. Hager Hinge Co/St. Louis, Missouri.
3. Ives Hinge/Princeton, Ill.

2.5 FLOOR CLOSERS/PIVOTS

- A. Pivots: Specifications are based on Rixsan.

| | | |
|------|---------------------|------------------------------------|
| FC-1 | Floor Closer | 27'-1 1/2" x 180 top pivots x 630. |
| P-2 | Intermediate Pivots | M19-1 1/2 x 630. |

2.6 CONTINUOUS HINGES

- A. Continuous Hinges: Specifications are based on Ives.

HH-1 Continuous Geared Hinge 224HD x Alum x clear.

2.7 LOCKS AND LATCHES

- A. Accessibility Requirements: Where indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)", ANSI A117.1 Standard and Texas Accessibility Standards.

1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).

- B. Electrified Locking Devices: BHMA A156.25.

- C. Locks and Latches: Specifications are based on Schlage Lock Co/San Francisco, California items (unless noted otherwise).

| | | |
|------|-------------------|-------------------------------------------|
| L-1 | Rest Room | L9010 x 07A x 630 |
| L-2 | Not Used | |
| L-3 | Office | L9050 P x 07A x 630x |
| L-4 | Bathroom | L9040 x 07A x 630 |
| L-5 | Passage | L9010 x 07A x 630 |
| L-6 | Storeroom | L9080 P x 07A x 630 x O.S. Trim Knurled |
| L-7 | Lock (Electric) | L9080 PEL x RX x 07A x 630 Label (24 VAC) |
| L-8 | Storeroom | L9080 P x 07A x 630 |
| L-9 | Single Dummy Trim | L0170 x 07A x 630 |
| L-10 | Pair Dummy Trim | L0172 x 07A x 630 |
| L-11 | Deadlock | L9460 x 630 |

Other Manufacturers: The following are acceptable only after full compliance with requirements of this section.

1. Sargent Essex Industries/New Haven, Connecticut.
2. Corbin-Russwin Yale Security Inc./Berlin, Connecticut.

2.8 DOOR BOLTS

- A. Bolts: Specifications are based on Ives items.

| | | |
|-----|-----------------------------------|------------------------------------------------------------------------------------------|
| B-1 | Flush Bolt-Strike Top & Bottom | FB458 or FB358 x DP2 Dustproof Strike x 626 (Note - 24" top bolt on doors over 7'-2") |
|-----|-----------------------------------|------------------------------------------------------------------------------------------|

| | | |
|-----|----------------------------------|------------------------------------------------------------------------------------------|
| B-2 | Automatic Flush Bolt-Strike | FB31P or FB41P x DP1 Dustproof Strike x 626 (Note - 24" top bolt on doors over 7'-2") |
| B-3 | Semi-Automatic Flush Bolt-Strike | FB51P x FB61P x 626 |

- B. Other Manufacturers: The following are acceptable only after full compliance with requirements of this section.
1. Trimco/Triangle Brass Manufacturing Co/Los Angeles, California.
 2. Rockwood Manufacturing Company (RM).

2.9 EXIT DEVICES

- A. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Buildings, ANSI A117.1 Standards and Texas Accessibility Standards".
1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).
- B. Exit Devices: Specifications are based on Von Duprin, Inc/Indianapolis, Indiana items. All cylinders shall be by same manufacturer as specified for locksets, latches and cylinders.

| | | |
|-----|------------------------|------------------------------------------------------------------------|
| E-1 | Exit Device | 9948WDC-BE-F x 07A x 630 (wood vertical rod pair fire-rated) |
| E-2 | Exit Device | 9975LF x 07A x 630 - (single door fire-rated) |
| E-3 | Exit Device | 9975 EO x 630 - 7 (Exit only) |
| E-4 | Exit Device (Electric) | E9975L-F x E996L-NL x 2RX x 07A x (24 VAC) x 630 (electric fire-rated) |
| E-5 | Exit Device | 9948LF x 05A x 630 (metal vertical rod pair fire-rated) |
| E-6 | Exit Device (Electric) | CX 9975L-FX E996L-NL x 2RX-07A x (24 VAC) x 630 (delayed egress) |
| E-7 | Exit Device | 99 NL - F x 07A x 630 (rim mount) |
| E-8 | Exit Device (Electric) | EL 9975L x 996L x 07A x RX x FSE x 630 x (24 VAC) (electric non-rated) |

Other Manufacturers: The following are acceptable only after full compliance with requirements of this section.

1. Sargent Essex Industries, Inc/New Haven, Connecticut.

2.10 LOCK CYLINDERS

- A. Cylinders: Specifications are based on Schlage Lock Co/San Francisco, CA items (unless noted otherwise):

| | | |
|-----|------------------|-------------------|
| Y-1 | Mortise Cylinder | As required x 630 |
|-----|------------------|-------------------|

2.11 KEYING

- A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference, and as follows:
1. Great-Grand Master Key System: Cylinders are operated by a change key, a master key, a grand master key, and a great-grand master key.
 2. Existing System: Master key or grand master key locks to Owner's existing system.
 3. "Restricted key sections" shall be available only to projects of the Owner.
 4. Confer with Owner to precise requirements.
- B. Keys: Nickel silver.
1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:
 - a. Notation: "DO NOT DUPLICATE."
 2. Quantity: In addition to one extra key blank for each lock, provide the following:
 - a. Cylinder Change Keys: Three.
 - b. Master Keys: Five.
 - c. Grand Master Keys: Five.
 - d. Great-Grand Master Keys: Five.

2.12 KEY CONTROL SYSTEM

- A. Key Control Cabinet: BHMA A156.5, Grade 1; metal cabinet with baked-enamel finish; containing key-holding hooks, labels, 2 sets of key tags with self-locking key holders, key-gathering envelopes, and temporary and permanent markers; with key capacity of 150 percent of the number of locks.
1. Wall-Mounted Cabinet: Cabinet with hinged-panel door equipped with key-holding panels and pin-tumbler cylinder door lock.
- B. Cross-Index System: Multiple-index system for recording key information. Include three receipt forms for each key-holding hook. Set up by key control manufacturer or Installer.
1. Manufacturers:
 - a. Key Control Systems, Inc. (KCS).
 - b. Lund Equipment Co., Inc. (LUN).
 - c. MMF Industries (MMF).
 - d. Sunroc Corporation (SUN).
- C. Key Control System Software: BHMA A156.5, Grade 1; multiple-index system for recording and reporting key-holder listings, tracking keys and lock and key history, and printing receipts for transactions. Include instruction manual.
1. Manufacturers:
 - a. Best Access Systems; Div. of The Stanley Works (BAS).
 - b. Corbin Russwin Architectural Hardware; an ASSA ABLOY Group company (CR).
 - c. Schlage Lock Company.
- D. Key Lock Boxes: Designed for storage of two keys, with tamper switches to connect to intrusion detection system.
1. Manufacturers:
 - a. ABLOY Security, Inc.; an ASSA ABLOY Group company (ABL).
 - b. Knox Company (KNX).
 - c. Supra Products (SUP).
 2. Location: As directed by the Architect.

2.13 ACCESSORIES FOR PAIRS OF DOORS

- A. Accessories.

| | | |
|-----|-------------|------------------------------------------------------------------------------------|
| A-1 | Astragal | Pemko 355CS |
| A-2 | Coordinator | Ives COR Series USP x Filler Bar x MB |
| A-3 | Astragal | Pemko 2931CCS |
| A-4 | Astragal | Custom metal astragal as specified in Section 08114/Custom Steel Doors and Frames. |

2.14 CLOSERS

- A. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)", ANSI A117.7 Standards and Texas Accessibility Standards.
1. Comply with the following maximum opening-force requirements:
 - a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
 - b. Sliding or Folding Doors: 5 lbf (22.2 N) applied parallel to door at latch.
 - c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
- B. Closers: Specifications are based on LCN Princeton Illinois items (unless noted otherwise).
- | | | |
|-----|--------|-------------------------------------------------------------------|
| C-1 | Closer | 1461 DSI Custom color to match Architect's sample. |
| C-2 | Closer | 1461 DSI Parallel Arm Custom color to match Architect's sample. |
| C-3 | Closer | 1461 SCUSH Custom color to match Architect's sample. |
| C-4 | Closer | 1461 SCUSH x Parallel x Custom color to match Architect's sample. |

Other Manufacturers: The following are acceptable only after full compliance with requirements of this section.

1. Norton Door Controls/Charlotte, North Carolina 7500 Series.
2. Sargent Essex Industries/New Haven, Connecticut 281 Series Closers.

2.15 POWER OPERATORS

- A. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)", Texas Accessibility Standards and ANSI A117.1 Standards.
 - 1. Comply with the following maximum opening-force requirements:
 - a. Interior, Non-Fire-Rated Hinged Doors: 5 lbf (22.2 N) applied perpendicular to door.
 - b. Sliding or Folding Doors: 5 lbf (22.2 N) applied parallel to door at latch.
 - c. Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
- B. Power Operators: Specifications are based on Stanley Works Access Technologies.

PO-1 Power Operators "Magic force" Door Operator x Clear Anodized (110 volt, single phase, 15 amp) with 2 BEA Parallax overhead safety sensors, 2 Model CL224 actuators, and Key Switch.

2.16 STOPS AND HOLDERS

- A. Stops and Holders: Specifications are based on Trimco/Triangle Brass Manufacturing Co/Los Angeles, California and Glynn-Johnson Corporation/Indianapolis, Indiana items.

| | | |
|---|---------------------------------------------|-------------------------------------|
| * | S-1 Floor Stop | W1211 ES x 630 x Height as Required |
| | S-2 Overhead Stop | Glynn Johnson GJ 100S x US32 |
| | S-3 Stop/Holder | Glynn Johnson GJ 100H x US32 |
| | S-4 Wall Stop (mounted on wall at door top) | Rockwood 474 US32D |
| | S-5 Magnetic Hold Open | LCN SEM 7850 |

Other Manufacturers: The following are acceptable only after full compliance with requirements of this section.

- 1. Ives Company/New Haven, Connecticut.
- 2. Rockwood

2.17 DOOR GASKETING

- A. Door Gasketing: Specifications are based on Pemko/Ventura, California items.

| | | |
|-----|-----------------------|-------------------------|
| W-1 | Door Bottom Sweep | 315CN |
| W-2 | Door Bottom Drop Seal | 412CSL (surface) |
| W-3 | Jamb/Head Gasket | S88D |
| W-4 | Door Bottom Drop Seal | 420 APKL (recessed HM) |
| W-5 | Door Bottom Drop Seal | 411 ARL (recessed wood) |

Other Manufacturers: The following are acceptable only after full compliance with requirements of this section.

- 1. National Guard Products, Inc/Memphis, Tennessee.
- 2. Zero International/Bronx, New York.

2.18 THRESHOLDS

- A. Accessibility Requirements: Where thresholds are indicated to comply with accessibility requirements, comply with the U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)", ANSI A117.7 Standards and Texas Accessibility Standards.
 - 1. Bevel raised thresholds with a slope of not more than 1:2. Provide thresholds not more than 1/2 inch (13 mm) high.
- B. Thresholds: Specifications are based on National Guard Products/Memphis Tennessee items (unless noted otherwise).

| | | |
|-----|-----------|---------------------------|
| T-1 | Threshold | 425A |
| T-2 | Threshold | 211A |
| T-3 | Threshold | 276A x 1842AS |
| T-4 | Threshold | 897A with Neoprene Insert |
| T-5 | Threshold | 276A |

| | | |
|-----|-----------|-------------------------------------|
| T-6 | Threshold | 176A |
| T-7 | Threshold | Custom full width, stainless steel. |

Other Manufacturers: The following are acceptable only after full compliance with requirements of this section.

1. Pemko/Ventura, California.

2.19 MISCELLANEOUS DOOR HARDWARE

- A. Miscellaneous: Specifications are based on Stanley, Cutler, Ives, Glynn-Johnson, Von Duprin, Pemko, Elmes Manufacturing, and Sargent (unless noted otherwise).

| | | |
|------|--------------------------------|-------------------------------------------------|
| M-1 | Not Used | |
| M-2 | Junction Box and Mortar Shield | Stanley JB-2 |
| M-3 | Key Keeper Box | Cutler Key Keeper Box x Retractable Chain MB-12 |
| M-4 | Overhead Rain Drip | Pemko 346PW |
| M-5 | Door Holder (Magnetic) | Sargent 1561 x US32 x 120 VAC |
| M-6 | Power Supply | Von Duprin PS914 x 9002RS FA |
| M-7 | Dust Proof Strike | Glynn Johnson DP-2 x US26 |
| M-8 | Kick Plate | Ives 8400 x 8" x door width x B4E x 630 |
| M-9 | Removable Mullion | Von Duprin 9954 x 499F x USP |
| M-10 | Power Transfer | Von Duprin EPT-10 |
| M-11 | Pull | Elmes T201-01-023 |

2.20 FABRICATION

- A. Manufacturer's Nameplate: Do not provide products that have manufacturer's name or trade name displayed in a visible location except in conjunction with required fire-rated labels and as otherwise approved by Architect.
1. Manufacturer's identification is permitted on rim of lock cylinders only.
- B. Base Metals: Produce door hardware units of base metal indicated, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18.
- C. Fasteners: Provide door hardware manufactured to comply with published templates prepared for machine, wood, and sheet metal screws. Provide screws that comply with commercially recognized industry standards for application intended, except aluminum fasteners are not permitted. Provide Phillips flat-head screws with finished heads to match surface of door hardware, unless otherwise indicated.
1. Concealed Fasteners: For door hardware units that are exposed when door is closed, except for units already specified with concealed fasteners. Do not use through bolts for installation where bolt head or nut on opposite face is exposed unless it is the only means of securely attaching the door hardware. Where through bolts are used on hollow door and frame construction, provide sleeves for each through bolt.
 2. Fire-Rated Applications:
 - a. Wood or Machine Screws: For the following:
 - 1) Hinges mortised to doors or frames, use threaded-to-the-head wood screws for wood doors and frames.
 - 2) Strike plates to frames.
 - 3) Closers to doors and frames.
 - b. Steel Through Bolts: For the following unless door blocking is provided:
 - 1) Surface hinges to doors.
 - 2) Closers to doors and frames.
 - 3) Surface-mounted exit devices.
 3. Spacers or Sex Bolts: For through bolting of hollow-metal doors.
 4. Fasteners for Wood Doors: Comply with requirements in DHI WDHS.2, "Recommended Fasteners for Wood Doors."

2.21 FINISHES

- A. Provide finishes complying with BHMA A156.18 as indicated in door hardware schedule.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

- C. 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.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
- B. Wood Doors: Comply with DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."

3.3 INSTALLATION

- A. Mounting Heights: Mount door hardware units at heights indicated on Drawings unless otherwise indicated or required to comply with governing regulations.
1. Custom Steel Doors and Frames: HMMA 831.
 2. Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- B. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing. Do not install surface-mounted items until finishes have been completed on substrates involved.
1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
 2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- C. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than the number recommended by manufacturer for application indicated or one hinge for every 30 inches (750 mm) of door height, whichever is more stringent, unless other equivalent means of support for door, such as spring hinges or pivots, are provided.
- D. Intermediate Offset Pivots: Where offset pivots are indicated, provide intermediate offset pivots in quantities indicated in door hardware schedule but not fewer than one intermediate offset pivot per door and one additional intermediate offset pivot for every 30 inches (750 mm) of door height greater than 90 inches (2286 mm).
- E. Lock Cylinders: Install construction cores to secure building and areas during construction period.
1. Replace construction cores with permanent cores as directed by Owner.
 2. Furnish permanent cores to Owner for installation.
- F. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- G. Boxed Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings. Verify location with Architect.
1. Configuration: Provide one power supply for each door opening with electrified door hardware.

- H. Thresholds: Set thresholds for exterior doors Mechanical Rooms and other doors indicated in full bed of sealant complying with requirements specified in Section 07 92 00 "Joint Sealants".
- I. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they will impede traffic.
- J. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- K. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- L. Door Bottoms: Apply to bottom of door, forming seal with threshold when door is closed.

3.4 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
 - 1. Spring Hinges: Adjust to achieve positive latching when door is allowed to close freely from an open position of 30 degrees.
 - 2. Electric Strikes: Adjust horizontal and vertical alignment of keeper to properly engage lock bolt.
 - 3. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three months after date of Substantial Completion, Installer's Architectural Hardware Consultant shall examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors, door hardware, and electrified door hardware.

3.5 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items as necessary to restore proper function and finish.
- C. Provide final protection and maintain conditions that ensure that door hardware is without damage or deterioration at time of Substantial Completion.

3.6 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain door hardware and door hardware finishes. Refer to Section 01 79 00 "Demonstration and Training."

3.7 DOOR HARDWARE SCHEDULE

- A. Location of Lock: In the Schedule that follows, the locked side of the door is identified by listing the room name/number first followed by the words "to" or "from" indicating the direction that the door leaf swings in relationship to the room mentioned first.

3.8 BASE BUILDING DOOR HARDWARE SCHEDULE

| HARDWARE SET NUMBER 1 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------------|------------|------|--------------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Stair 1 from Vestibule 1 (2-63) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Card Reader and Intercom by Security |
| | 1 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 2 | | | |
| HARDWARE SET NUMBER 2 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 each | C-1 | Closer |
| Service Elevator Lobby to Vestibule 1 (P3-P1, 2-62) | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |
| HARDWARE SET NUMBER 3 | | | |
| HARDWARE SET NUMBER 3 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Mechanical 1 from Service Elevator Lobby (2-61) | 1 each | S-1 | Floor Stop |
| | 1 set | W-4 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | T-3 | Threshold |
| | 1 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 4 | | | |
| HARDWARE SET NUMBER 4 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Stair 2 from Vestibule 2 (2-62) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Card Reader and Intercom by Security |
| | 1 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 5 | | | |
| HARDWARE SET NUMBER 5 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 each | C-1 | Closer |
| Passage to Vestibule 2 (2-61) | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 6 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------|------------|------|--------------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Stair 3 from Vestibule 3 (2-63) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| "B" Label, 90 min. | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Card Reader and Intercom by Security |
| | 1 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 7 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Passage to Vestibule 3 (2-61) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| HARDWARE SET NUMBER 8 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Lease from Telecom 2 (3-49) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 each | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 9 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Lease from Telecom 1 (4-61) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 each | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 10 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Mechanical 2 from Electrical 1 (P1, 1-50) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 set | W-4 | Door Bottom Drop Seal |
| | 1 each | T-3 | Threshold |

| HARDWARE SET NUMBER 11 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Passage from Electrical 1 (P1, 1-61) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-5 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 12 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------|----------|------|-------------|
| 3'-0" x 8'-10-1/2" (Wood /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Passage to Men (2-4, 6-61) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 13 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|-------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Men from Janitor (2-4, 6-31, 34) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 14 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------|----------|------|-------------|
| 3'-0" x 8'-10-1/2" (Wood /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Passage to Women (2-61) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 15 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------|----------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Women from Emergency Risers (2-4, 6-34) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | W-2 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 16 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------------------|------------|------|----------------------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Wood /Hollow Metal) | 3-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Service Elevator Lobby from Low Rise Elevator Lobby (2-14) | 1 set | B-2 | Automatic Flush Bolts |
| | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 2 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-5 | Threshold |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 1 each | | Card Reader by Security |
| | 2 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 17 | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------------|-----------------|-------------|----------------------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| Passage to Low Rise Elevator Lobby (2-14) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-4 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | M-5 | Door Holder (Magnetic) |
| | 1 each | T-2 | Threshold |
| HARDWARE SET NUMBER 18 | QUANTITY | ITEM | DESCRIPTION |
| 6'-0" x 8'-10-1/2" (Pair) (Wood /Hollow Metal) | 3-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Service Elevator Lobby from Passage (15-61) | 1 set | B-2 | Automatic Flush Bolts |
| | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 2 set | W-5 | Door Bottom Drop Seal |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 1 each | T-5 | Threshold |
| | 1 each | | Card Reader by Security |
| | 2 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 19 | QUANTITY | ITEM | DESCRIPTION |
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| Low-Mid Rise Elevator Lobby to Passage (15-30) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-4 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | M-5 | Door Holder (Magnetic) |
| | 1 each | T-2 | Threshold |
| HARDWARE SET NUMBER 20 | QUANTITY | ITEM | DESCRIPTION |
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| Low-Mid Rise Elevator Lobby to Lease (15-30) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-4 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | M-5 | Door Holder (Magnetic) |
| | 1 each | T-2 | Threshold |

| HARDWARE SET NUMBER 21 | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1 1/2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-2 | Closer |
| Vestibule from Electrical 2 (P1) | 1 each | S-1 | Floor Stop |
| | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| HARDWARE SET NUMBER 22 | QUANTITY | ITEM | DESCRIPTION |
| 6'-0" x 8'-10-1/2" (Pair) (Wood/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 set | B-1 | Flush Bolts |
| Lease from Telecom 2 (50-61) | 2 each | C-2 | Closer |
| | 2 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 2 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-5 | Threshold |
| | 2 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 23 | QUANTITY | ITEM | DESCRIPTION |
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-1 | Hinges |
| | 2 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| High-Mid Rise Elevator Lobby to Passage (31-46) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-4 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | M-5 | Door Holder (Magnetic) |
| | 1 each | T-2 | Threshold |
| HARDWARE SET NUMBER 24 | QUANTITY | ITEM | DESCRIPTION |
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-1 | Hinges |
| | 2 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| High-Mid Rise Elevator Lobby to Lease (31-46) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-4 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | M-5 | Door Holder (Magnetic) |
| | 1 each | T-2 | Threshold |
| HARDWARE SET NUMBER 25 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Passage from Emergency Risers (35-61) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 each | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------------|-----------------|-------------|----------------------------------|
| HARDWARE SET NUMBER 26 | | | |
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Passage from Janitor (37-61) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| HARDWARE SET NUMBER 27 | | | |
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-3 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| Vestibule 2 to Service Elevator Lobby (P1-P3) | 1 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-2 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 2 each | M-8 | Kick Plate |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| HARDWARE SET NUMBER 28 | | | |
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-1 | Hinges |
| | 2 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| High-Rise Elevator Lobby to Lease (47-61) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-4 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | M-5 | Door Holder (Magnetic) |
| | 1 each | T-2 | Threshold |
| HARDWARE SET NUMBER 29 | | | |
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-1 | Hinges |
| | 2 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| High-Rise Elevator Lobby to Passage (47-61) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-4 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | M-5 | Door Holder (Magnetic) |
| | 1 each | T-2 | Threshold |
| HARDWARE SET NUMBER 30 | | | |
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Passage from Mechanical 2 (51-61) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-3 | Threshold |
| | 1 each | | Door Position Switch by Security |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|-----------------------------------------------|-----------------|-------------|----------------------------------|
| | HARDWARE SET NUMBER 31 | | | |
| | 6'-0" x 8'-10-1/2" (Pair) (Wood/Hollow Metal) | 4 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 set | B-1 | Flush Bolts |
| | Passage from Fire Pump Room (31-32) | 2 each | C-2 | Closer |
| | | 2 each | S-1 | Floor Stop |
| | "B" Label, 90 min. | 2 set | W-2 | Door Bottom Drop Seal |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | | 2 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 32 | | | |
| | 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Electrical 2 (17, 33, 49, 62) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 set | W-2 | Door Bottom Drop Seal |
| | "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| * | HARDWARE SET NUMBER 33 | | | |
| | 3'-6" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Elevator Control Room 1 (17, 33) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 set | W-2 | Door Bottom Drop Seal |
| | "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-6 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| * | HARDWARE SET NUMBER 34 | | | |
| | 3'-6" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Elevator Control Room 2 (17, 33) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 set | W-2 | Door Bottom Drop Seal |
| | "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-6 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| * | HARDWARE SET NUMBER 35 | | | |
| | 3'-6" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Elevator Machine Room 1 (17, 33) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 set | W-2 | Door Bottom Drop Seal |
| | "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | | 1 each | | Door Position Switch by Security |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|---------------------------------------------------------------------------------------------|-----------------|-------------|----------------------------------|
| * | HARDWARE SET NUMBER 36 3'-6" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Elevator Machine Room 2 (17, 33) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 37 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Heat Exchange (35) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 38 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Pump Room (36) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 39 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-3 | Hinges |
| | | 1 each | L-5 | Passage |
| | | 1 set | B-2 | Automatic Flush Bolts |
| | Passage to Vestibule 2 (P1-P3) | 1 each | C-1 | Closer |
| | | 2 each | S-1 | Floor Stop |
| | | 2 each | M-8 | Kick Plate |
| | | 1 each | A-1 | Astragal |
| | | 1 each | A-2 | Coordinator |
| * | HARDWARE SET NUMBER 40 3'-6" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Elevator Machine Room 1 (48) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | | 1 each | | Door Position Switch by Security |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------|----------------------------------|
| * | HARDWARE SET NUMBER 41 3'-6" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Elevator Machine Room 2 (48) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 set | W-2 | Door Bottom Drop Seal |
| | "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 42 5'-10" x 8'-8" (Pair) (Glass and Stainless Steel) | 2 each | Y-1 | Mortise Cylinder |
| | Public Lobby from Retail 2 (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| * | HARDWARE SET NUMBER 43 3'-6" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Elevator Control Room 1 (49) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 set | W-2 | Door Bottom Drop Seal |
| | "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-6 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| * | HARDWARE SET NUMBER 44 3'-6" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | Passage from Elevator Control Room 2 (49) | 1 each | C-2 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 set | W-2 | Door Bottom Drop Seal |
| | "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-6 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 45 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-8 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Parking to Storage 5 (P3) | 1 each | S-2 | Overhead Stop |
| | HARDWARE SET NUMBER 46 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | | 1/2 pair | H-2 | Hinges (Electric) |
| | Retail 1 to Passage 1 (01) | 1 each | L-7 | Lock (Electric) |
| | | 1 each | C-1 | Closer |
| | "C" Label, 45 min. | 1 each | S-1 | Floor Stop |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 set | W-5 | Door Bottom Drop Seal |
| | | 1 each | T-2 | Threshold |
| | | 1 each | | Card Reader by Security |
| | | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------------------------------------|-----------------|-------------|----------------------------------|
| HARDWARE SET NUMBER 47 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Passage 1 to Plumbing 2 (01) | 1 each | S-1 | Floor Stop |
| HARDWARE SET NUMBER 48 3'-0" x 8'-10-1/2" (Stainless Steel) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| High Rise Elevator Lobby from Passage 1 (01) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |
| HARDWARE SET NUMBER 49 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Exit Passage from Stair 3 (01) | 1 each | E-4 | Exit Device (Electric) |
| | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 50 3'-0" x 8'-10-1/2" (Stainless Steel) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| High Rise Elevator Lobby from Passage 2 (01) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |
| HARDWARE SET NUMBER 51 3'-0" x 8'-10-1/2" (Stainless Steel) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Low Rise Elevator Lobby from Passage 2 (01) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |

| HARDWARE SET NUMBER 52 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------------------|----------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| | 1 each | C-1 | Closer |
| Service Elevator Lobby to Fire Command Center (01) | 1 each | S-1 | Floor Stop |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 set | W-4 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 53 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|------------|------|-------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Passage 3 to Plumbing 1 (01) | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 54 | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Stainless Steel) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Low Rise Elevator Lobby from Passage 3 (01) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |

| HARDWARE SET NUMBER 55 | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Stainless Steel) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Garage Elevator Lobby from Vestibule 2 (01) | 1 each | E-4 | Exit Device |
| | 1 each | C-2 | Closer |
| | 1 each | S-2 | Overhead Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |

| HARDWARE SET NUMBER 56 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Exit Passage 2 from Stair 1 (01) | 1 each | E-4 | Exit Device (Electric) |
| | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 57 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Retail 2 to Passage 3 (01) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| "C" Label, 45 min. | 1 each | S-1 | Floor Stop |
| | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-2 | Threshold |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 58 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------|------------|------|----------------------------------|
| 3'-0" x 9'-5 1/2" (Stainless Steel) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Public Lobby to Exit Passage 2 (01) | 1 each | E-4 | Exit Device (Electric) |
| | 1 each | C-1 | Closer |
| "B" Label, 90 min. | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 59 | QUANTITY | ITEM | DESCRIPTION |
|------------------------|----------|------|-------------|
| Not Used | | | |

| HARDWARE SET NUMBER 60 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | E-2 | Exit Device |
| Passage 2 from Vestibule 3 (05) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 61 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | E-2 | Exit Device |
| Passage 1 from Vestibule 2 (05) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 62 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|-------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Men's from Storage 1 (02) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 63 | QUANTITY | ITEM | DESCRIPTION |
|--------------------------------------------------|----------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Passage 1 from Garage Elevator Control Room (02) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 64 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|------------|------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Passage 1 from Storage (02) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 65 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10 1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Passage 4 to Security (02) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 66 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10 1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Security to Equipment Room (08) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | T-5 | Threshold |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 67 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|-------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Passage 4 from Break Room (02) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 68 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10 1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Passage 4 to Men's Locker (02) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 69 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Passage 4 from Mechanical 6 (02) | 1 each | C-2 | Closer |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 70 | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| | 1 each | C-2 | Closer |
| Mechanical 6 to Public Elevator Control Room (02) | 1 each | S-1 | Floor Stop |
| | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 71 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------|-----------------|-------------|----------------------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Wood/Hollow Metal) | 3-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Passage 3 to Service Elevator Lobby (02) | 1 set | B-2 | Automatic Flush Bolts |
| | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 2 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-5 | Threshold |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 1 each | | Card Reader by Security |
| | 2 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 72 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Passage 3 from Mechanical 6 (02) | 1 each | C-2 | Closer |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 73 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Passage 3 from Telecom 1 (02, 05) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 each | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 74 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------|----------|------|----------------------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Wood/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 set | B-1 | Flush Bolts |
| Passage 3 from Mechanical 5 (02) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 2 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 2 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 75 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Passage 3 from Mechanical 3 (02) | 1 each | C-2 | Closer |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 76 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|----------|------|-------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Mechanical 3 to Mechanical 4 (02) | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 77 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10 1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Passage 4 to Woman's Locker (02) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 78 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|-------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Passage 1 to Janitorial (02) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 79 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|----------|------|-------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Passage 4 from Lease 1 (03) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 80 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Passage 3 from Life Safety Generator Room (03) | 1 each | C-2 | Closer |
| | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 81 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|----------------------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Wood/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 set | B-2 | Automatic Flush Bolts |
| Passage 3 from Life Safety Generator Room (03) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-2 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 82 | QUANTITY | ITEM | DESCRIPTION |
|--------------------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Passage 3 from Future Tenant Generator Room (03) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 83 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|----------------------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Wood /Hollow Metal) | 3-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Service Elevator Lobby from Passage 3 (03) | 1 set | B-2 | Automatic Flush Bolts |
| | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 2 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-5 | Threshold |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 1 each | | Card Reader by Security |
| | 2 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 84 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Passage 2 from Electrical 1 (05) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 85 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 each | C-1 | Closer |
| Passage 1 from Vestibule 1 (63) | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 86 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 each | C-1 | Closer |
| Passage 1 from Stair 5 (P1-P3) | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 87 | QUANTITY | ITEM | DESCRIPTION |
|--------------------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-2 | Closer |
| Passage 3 from Future Tenant Generator Room (03) | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 88 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| | 1 each | C-2 | Closer |
| Passage 2 from Lease (03) | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 89 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| | 1 each | C-2 | Closer |
| Passage 5 from Lease 1 (05) | 1 each | S-1 | Floor Stop |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-2 | Threshold |

| HARDWARE SET NUMBER 90 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| | 1 each | C-2 | Closer |
| Passage 7 from Lease 3 (05) | 1 each | S-1 | Floor Stop |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "C" Label, 45 min. | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-2 | Threshold |

| HARDWARE SET NUMBER 91 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Retail 1 to Passage 3 (05) | 1 each | E-6 | Exit Device (Electric) |
| | 1 each | C-1 | Closer |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-2 | Threshold |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 92 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-4 | Bathroom |
| Men's Lockers to Men's Shower (02) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 93 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Retail 1 to Passage 3 (05) | 1 each | E-6 | Exit Device (Electric) |
| | 1 each | C-1 | Closer |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-2 | Threshold |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 94 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-4 | Bathroom |
| Women's Locker to Women's Shower (02) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 95 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Passage 6 from Lease 2 (05) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-2 | Threshold |

| HARDWARE SET NUMBER 96 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | E-2 | Exit Device |
| Passage 6 to Passage 2 (05) | 1 each | C-1 | Closer |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 2 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-2 | Threshold |

| HARDWARE SET NUMBER 97 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|-----------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Passage 2 from Lease 1 (05) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 each | T-2 | Threshold |

| HARDWARE SET NUMBER 98 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Passage 2 to Women (05) | 1 each | C-1 | Closer |

| HARDWARE SET NUMBER 99 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Passage 2 to Men (05) | 1 each | C-1 | Closer |

| HARDWARE SET NUMBER 100 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|-------------------------|
| 3'-0" x 8'-10-1/2" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| | 1 each | | Card Reader by Security |

Passage 2 to Passage 5 (05) See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware.

| HARDWARE SET NUMBER 101 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Passage 4 to Passage 5 (05) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 each | T-2 | Threshold |
| | 1 each | M-5 | Door Holder (Magnetic) |

| HARDWARE SET NUMBER 102 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------------|-----------------|-------------|-------------------------|
| 3'-0" x 8'-9-1/4" (Pair) (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| | 1 each | | Card Reader by Security |

Passage 1 to Passage 4 (05) See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware.

| HARDWARE SET NUMBER 103 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Men to Men (05) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 104 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-4 | Bathroom |
| Men to Men Showers (05) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|--------------------------------------------------------------|-----------------|-------------|----------------------------------|
| 105 3'-0" x 8'-10-1/2" (Wood /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Women to Women (05) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 106 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-4 | Bathroom |
| Women to Women Showers (05) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| 107 3'-0" x 7'-2" (Hollow Metal/Hollow Metal) | 1 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| Vestibule 3 from Parking (P1-P3) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| "B" Label, 90 min. | 1 each | S-1 | Floor Stop |
| | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |
| 108 3'-0" x 7'-2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| Vestibule 3 from Stair 4 (P1-P3) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |
| 109 3'-6" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-4 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Vestibule 5 from High Rise Elevator Pit 1 (P1) | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| "B" Label, 90 min. | | | |
| 110 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Mechanical 4 from Mechanical 3 (62) | 1 each | S-1 | Floor Stop |
| | 1 each | W-1 | Door Bottom Sweep |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 111 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------|----------------------------------------------------------------------------------------|------|------------------|
| 6'-0" x 8'-6 3/4" (Pair) (Aluminum and Glass) | 2 each | Y-1 | Mortise Cylinder |
| Parking from Garage Elevator Lobby (P2-P3) | See Section 08 41 13/ Aluminum Entrances and Storefronts for balance of Door Hardware. | | |

| HARDWARE SET NUMBER 112 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Passage 1 to Bicycle Storage 1 (P1-P3) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |

| HARDWARE SET NUMBER 113 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Passage 1 to Bicycle Storage 2 (P1-P3) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |

| HARDWARE SET NUMBER 114 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Passage 1 to Bicycle Storage 3 (P2-P3) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |

| HARDWARE SET NUMBER 115 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Passage 1 to Bicycle Storage 4 (P2-P3) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |

| HARDWARE SET NUMBER 116 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|------------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1/2 pair | H-2 | Hinges (Electric) |
| | 1 each | L-7 | Lock (Electric) |
| Passage 1 to Bicycle Storage 5 (P2-P3) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | | Door Position Switch by Security |
| | 1 each | | Card Reader by Security |

| HARDWARE SET NUMBER 117 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Passage 1 to Fire Pump Room (P3) | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 118 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Vestibule 2 to Storage 1 (P2-P3) | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 119 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Vestibule 2 to Storage 2 (P2-P3) | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 120 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 7'-2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Parking from Water Treatment (P3) | 1 each | C-2 | Closer |
| | 1 each | S-2 | Overhead Stop |
| "C" Label, 45 min. | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 121 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| Parking from Fuel Oil Room (P2) | 1 each | C-2 | Closer |
| | 1 each | S-2 | Overhead Stop |
| "A" Label, 3 hr. | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 122 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------------|-----------------|-------------|--------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 2 each | E-5 | Exit Device |
| | 2 each | C-2 | Closer |
| Parking from Switchgear 1 (P2) | 2 each | S-2 | Overhead Stop |
| | 1 each | T-1 | Threshold |
| "A" Label, 3 hour | | | |

| HARDWARE SET NUMBER 123 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------------|-----------------|-------------|--------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 2 each | E-5 | Exit Device |
| | 2 each | C-2 | Closer |
| Parking from Switchgear 1 (P2) | 2 each | S-2 | Overhead Stop |
| | 1 each | T-1 | Threshold |
| "A" Label, 3 hour | | | |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|-------------------------------------------------------------------------|-----------------|-------------|----------------------------------|
| | 124 3'-0" x 7'-2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | Parking to Domestic Water Pump | 1 each | C-2 | Closer |
| | | 1 each | S-2 | Overhead Stop |
| | "C" Label, 45 min. | 1 each | | Door Position Switch by Security |
| | 125 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/ Hollow Metal) | 4 pair | H-1 | Hinges |
| | | 2 each | E-5 | Exit Device |
| | | 2 each | C-2 | Closer |
| | Parking from Switchgear 2 (P2) | 2 each | S-2 | Overhead Stop |
| | | 1 each | T-1 | Threshold |
| | "A" Label, 3 hour | | | |
| | 126 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/ Hollow Metal) | 4 pair | H-1 | Hinges |
| | | 2 each | E-5 | Exit Device |
| | | 2 each | C-2 | Closer |
| | Parking from Switchgear 2 (P2) | 2 each | S-2 | Overhead Stop |
| | | 1 each | T-1 | Threshold |
| | "A" Label, 3 hour | | | |
| | 127 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Passage 1 to MPOE Room 1 (P1) | 1 each | S-1 | Floor Stop |
| * | "A" Label, 3 hour | 1 each | | Door Position Switch by Security |
| | 128 3'-6" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Vestibule 5 from High-Mid Rise Elevator Pit 2 (P1) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | 129 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-4 | Bathroom |
| | | 1 each | C-1 | Closer |
| | Vestibule 4 to Women's (P1) | 1 each | S-1 | Floor Stop |
| | 130 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-4 | Bathroom |
| | | 1 each | C-1 | Closer |
| | Vestibule 4 to Men's (P1) | 1 each | S-1 | Floor Stop |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|-------------------------------------------------------|-----------------|-------------|----------------------------------|
| | 131 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-5 | Passage |
| | | 1 each | C-1 | Closer |
| | Passage 1 from Vestibule 4 (P1) | 1 each | S-1 | Floor Stop |
| | 132 | | | |
| * | 3'-6" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Bicycle Storage from Low-Mid Rise Elevator Pit 1 (P1) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | 133 | | | |
| * | 3'-6" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Bicycle Storage from Low-Mid Rise Elevator Pit 2 (P1) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | 134 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-3 | Office |
| | | 1 each | C-1 | Closer |
| | Passage 1 to Mail Room (P1) | 1 each | S-1 | Floor Stop |
| | 135 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Bicycle Storage from High Rise Elevator Pit 1 (P1) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | 136 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Bicycle Storage from High Rise Elevator Pit 2 (P1) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|-----------------------------------------------------------------------------------------|-----------------|-------------|----------------------------------|
| * | HARDWARE SET NUMBER 137 3'-6" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Vestibule 2 from Low Rise Elevator Pit 1 (P1) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 138 3'-6" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Vestibule 2 from Low Rise Elevator Pit 2 (P1) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 139 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-3 | Office |
| | | 1 each | C-1 | Closer |
| | Passage 1 to Parking Office (P1) | 1 each | S-1 | Floor Stop |
| | HARDWARE SET NUMBER 140 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/Hollow Metal) | 4 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | Truck Dock to Passage 1 (P1) | 1 set | B-1 | Flush Bolts |
| | | 2 each | C-1 | Closer |
| | | 2 each | S-3 | Overhead Stop/Holder |
| | | 2 each | M-8 | Kick Plate |
| | HARDWARE SET NUMBER 141 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | | 1/2 pair | H-2 | Hinges (Electric) |
| | | 1 each | L-7 | Lock (Electric) |
| | Passage 1 to Dock Office/Security (P1) | 1 each | C-1 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 each | | Door Position Switch by Security |
| | | 1 each | | Card Reader by Security |
| | HARDWARE SET NUMBER 142 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | | 1/2 pair | H-2 | Hinges (Electric) |
| | | 1 each | L-7 | Lock (Electric) |
| | Truck Dock to Dock Office/Security (P1) | 1 each | C-1 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | | 1 each | | Door Position Switch by Security |
| | | 1 each | | Card Reader by Security |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|------------------------------------------------|-----------------|-------------|----------------------------------|
| | 143 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Truck Dock to MPOE Room 2 (P1) | 1 each | S-1 | Floor Stop |
| * | "A" Label, 3 hour | 1 each | | Door Position Switch by Security |
| | 144 | | | |
| | 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal) | 3-1/2 pair | H-1 | Hinges |
| | | 1/2 pair | H-2 | Hinges (Electric) |
| | Level Truck Bays from Raised Truck Bays (P1) | 1 each | L-7 | Lock (Electric) |
| | | 1 set | B-1 | Flush Bolts |
| | | 1 each | C-1 | Closer |
| | "C" Label, 45 min. | 1 each | S-2 | Overhead Stop |
| | | 2 each | M-8 | Kick Plate |
| | | 1 each | | Card Reader by Security |
| | | 2 each | | Door Position Switch by Security |
| | 145 | | | |
| | 3'-0" x 8'-2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-8 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Janitor Storage 2 to Janitor Storage 1 (P1) | 1 each | S-2 | Overhead Stop |
| | 146 | | | |
| | 3'-0" x 8'-2" (Hollow Metal/Hollow Metal) | 1-1/2 pair | H-1 | Hinges |
| | | 1 each | L-8 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Parking from Janitor Storage 1 (P1) | 1 each | S-2 | Overhead Stop |
| | 147 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Parking to MPOE Room 1 (P1) | 1 each | S-1 | Floor Stop |
| * | "A" Label, 3 hour | 1 each | | Door Position Switch by Security |
| | 148 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | E-2 | Exit Device |
| | | 1 each | C-2 | Closer |
| | Parking from Electrical Vault Vestibule 1 (P1) | 1 each | S-2 | Overhead Stop |
| | | 1 each | T-1 | Threshold |
| | "A" Label, 3 hours | | | |

| HARDWARE SET NUMBER 149 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | E-2 | Exit Device |
| | 1 each | C-2 | Closer |
| Parking from Electrical Vault Vestibule 1 (P1) | 1 each | S-2 | Overhead Stop |
| | 1 each | T-1 | Threshold |

"A" Label, 3 hours

| HARDWARE SET NUMBER 150 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-2 | Closer |
| Parking to Backflow Preventer (P1) | 1 each | S-2 | Overhead Stop |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 151 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | E-2 | Exit Device |
| | 1 each | C-2 | Closer |
| Parking from Electrical Vault Vestibule 2 (P1) | 1 each | S-2 | Overhead Stop |
| | 1 each | T-1 | Threshold |

"A" Label, 3 hours

| HARDWARE SET NUMBER 152 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | E-2 | Exit Device |
| | 1 each | C-2 | Closer |
| Parking from Electrical Vault Vestibule 2 (P1) | 1 each | S-2 | Overhead Stop |
| | 1 each | T-1 | Threshold |

"A" Label, 3 hours

| HARDWARE SET NUMBER 153 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Passage 2 to Engineering (02) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 154 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------|-----------------|-------------|--------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Passage 1 to Lease 2 (35) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 each | T-2 | Threshold |

| HARDWARE SET NUMBER 155 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------------------------|----------|------|----------------------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/ Metal/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 pair | B-1 | Flush Bolts |
| Exterior from Pumps (62) | 2 each | S-2 | Overhead Stop |
| | 2 each | C-2 | Closer |
| | 2 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-4 | Threshold |
| | 2 each | M-4 | Overhead Rain Drip |
| | 2 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 156 | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------|----------|------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| | 1 each | C-2 | Closer |
| Exterior from Pumps (62) | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | S-2 | Overhead Stop |
| | 1 each | T-4 | Threshold |
| | 1 each | M-4 | Overhead Rain Drip |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 157 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------------------|----------|------|-------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 each | C-1 | Closer |
| Pumps to Vestibule 3 (62) | 1 each | S-1 | Floor Stop |
| | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER 158 | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------|----------|------|---------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| | 1 each | C-1 | Closer |
| Passage 2 to Storage 1 (62) | 1 each | S-2 | Overhead Stop |

| HARDWARE SET NUMBER 159 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------------------|----------|------|-------------|
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/ Hollow Metal) | 4 pair | H-3 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 set | B-1 | Flush Bolts |
| Passage 2 to Passage 1 | 1 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 each | M-8 | Kick Plate |

| HARDWARE SET NUMBER 160 | QUANTITY | ITEM | DESCRIPTION |
|----------------------------------------------------|----------|------|-----------------------|
| 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-5 | Passage |
| | 1 each | C-1 | Closer |
| Passage 2 to Vestibule 2 (62) | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |

| HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------------------------------------------------------|-----------------|-------------|----------------------------------|
| HARDWARE SET NUMBER 161 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| | 1 each | C-2 | Closer |
| Exterior from Passage 2 (62) | 1 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | S-2 | Overhead Stop |
| | 1 each | T-4 | Threshold |
| | 1 each | M-4 | Overhead Rain Drip |
| HARDWARE SET NUMBER 162 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| | 1 each | C-1 | Closer |
| Passage 1 to Storage 3 (62) | 1 each | S-2 | Overhead Stop |
| HARDWARE SET NUMBER 163 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Pumps from Mechanical 2 (62) | 1 each | S-1 | Floor Stop |
| | 1 each | W-1 | Door Bottom Sweep |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |
| HARDWARE SET NUMBER 164 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Mechanical 2 from Mechanical 3 (62) | 1 each | S-1 | Floor Stop |
| | 1 each | W-1 | Door Bottom Sweep |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gasket |
| | 1 each | T-1 | Threshold |
| HARDWARE SET NUMBER 165 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/Metal/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 pair | B-1 | Flush Bolts |
| Cooling Towers from Vestibule 2 (63) | 2 each | S-2 | Overhead Stop |
| | 2 each | C-2 | Closer |
| | 2 set | W-1 | Door Bottom Sweep |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-4 | Threshold |
| | 2 each | M-4 | Overhead Rain Drip |
| | 2 each | | Door Position Switch by Security |
| HARDWARE SET NUMBER 166 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-1 | Closer |
| Passage 1 to Elevator Fan Room (63) | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 each | | Door Position Switch by Security |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|-----------------------------------------------------|-----------------|-------------|----------------------------------|
| | HARDWARE SET NUMBER 167 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Passage 1 to Smoke Exhaust Room (63) | 1 each | S-1 | Floor Stop |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 168 | | | |
| * | 3'-6" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Passage 1 from High Rise Elevator Machine Room (63) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 169 | | | |
| * | 3'-6" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-4 | Hinges |
| | | 1 each | L-6 | Storeroom |
| | | 1 each | C-1 | Closer |
| | Passage 1 from Service Elevator Machine Room (63) | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | "B" Label, 90 min. | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 170 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-3 | Hinges |
| | | 1 each | L-8 | Storeroom |
| | | 1 each | C-2 | Closer |
| | Cooling Towers from Vestibule 3 (63) | 1 each | M-4 | Overhead Rain Drip |
| | | 1 set | W-1 | Door Bottom Sweep |
| | | 1 set | W-2 | Jamb/Head Gaskets |
| | | 1 each | T-4 | Threshold |
| | | 1 each | | Door Position Switch by Security |
| | HARDWARE SET NUMBER 171 | | | |
| | 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-8 | Storeroom |
| | Engineering to Shop (02) | 1 each | C-1 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | HARDWARE SET NUMBER 172 | | | |
| | 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-3 | Office |
| | Engineering to Office 4 (02) | 1 each | C-1 | Closer |
| | | 1 each | S-1 | Floor Stop |
| | HARDWARE SET NUMBER 173 | | | |
| | 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-3 | Office |
| | Engineering to Office 3 (02) | 1 each | C-1 | Closer |
| | | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------------------|-----------------|-------------|--------------------|
| 174 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Engineering to Storage 3 (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 175 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Engineering to Storage 4 (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 176 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Engineering to Supplies (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 177 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Janitorial to Office 2 (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 178 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Janitorial to Office 1 (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 179 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Janitorial to Equipment Room (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 180 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Janitorial to Supplies (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 181 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Janitorial to Storage 2 (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------------------|-----------------|-------------|----------------------------------|
| 182 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Security to Storage 5 (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 183 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Security to Briefing Room (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 184 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Security to Office 5 (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 185 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-3 | Office |
| Security to Office 6 (02) | 1 each | C-1 | Closer |
| | 1 each | S-1 | Floor Stop |
| 186 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Passage from Electrical 3 (33, 47) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| "B" Label, 90 min. | 1 set | W-5 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |
| 187 3'-0" x 8'-10-1/2" (Hollow Metal /Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-2 | Closer |
| Life Safety Generator Room to Mechanical Chase 1 (03) | 1 each | S-1 | Floor Stop |
| | 1 each | W-5 | Door Bottom Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | T-1 | Threshold |
| 188 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-8 | Storeroom |
| Passage 1 from Janitor (35, 36) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |

| | HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|---|------------------------------------------------|-----------------|-------------|----------------------------------------------------------------------------|
| | 189 | | | |
| | 4'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-4 | Hinges |
| | | 1/2 pair | H-5 | Hinges (Electric) |
| | Service Elevator Lobby from Passage 1 (35, 36) | 1 each | L-7 | Lock (Electric) |
| | | 1 each | C-1 | Closer |
| | | 1 set | W-3 | Jamb/Head Gaskets |
| | "B" Label, 90 min. | 1 set | W-5 | Door Bottom Sweep |
| | | 1 each | T-5 | Threshold |
| | | 1 each | | Card Reader by Security |
| | | 1 each | | Door Position Switch by Security |
| | 190 | | | |
| | 190 | | | |
| | 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal) | 3-1/2 pair | H-1 | Hinges |
| | | 1/2 pair | H-2 | Hinges (Electric) |
| | Level Truck Dock from Composting (P1) | 1 each | L-7 | Lock (Electric) |
| | | 1 set | B-1 | Flush Bolts |
| | | 1 each | C-1 | Closer |
| * | "C" Label, 45 min. | 1 each | S-2 | Overhead Stop |
| | | 2 each | M-8 | Kick Plate |
| | | 1 each | | Card Reader by Security |
| | | 2 each | | Door Position Switch by Security |
| | 191 | | | |
| | 191 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | L-6 | Storeroom (knurled) |
| | | 1 each | C-1 | Closer |
| | Electrical 2 from Electrical 1 (P2) | 1 each | S-1 | Floor Stop |
| | | 1 set | W-1 | Door Bottom Sweep |
| | "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | | 1 each | T-1 | Threshold |
| | 192 | | | |
| | 192 | | | |
| | 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | | 1 each | E-2 | Exit Device |
| | | 1 each | C-2 | Closer |
| | Parking from Electrical Vault Vestibule 1 (P1) | 1 each | S-2 | Overhead Stop |
| | "A" Label, 3 hours | 1 each | T-1 | Threshold |
| | 193 | | | |
| | 193 | | | |
| | 24'-0" x 15'-6" (Metal Slat) | | | See Section 08 33 23/ Overhead Coiling Doors for balance of Door Hardware. |
| | Parking to Raised Truck Bays (P1) | | | |
| * | "C" Label, 45 min. | | | |
| | 194 | | | |
| * | 194 | | | |
| * | NOT USED | | | |
| * | | | | |
| * | | | | |

| HARDWARE SET NUMBER 195 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------|-----------------|-------------|----------------------------------|
| 3'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| Passage from Pump Room Heat Exchange (34) | 1 each | C-2 | Closer |
| | 1 each | S-1 | Floor Stop |
| | 1 set | W-2 | Door Bottom Drop Seal |
| "B" Label, 90 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 196 | QUANTITY | ITEM | DESCRIPTION |
|------------------------------------------|-----------------|-------------|----------------------------------|
| 4'-0" x 8'-10-1/2" (Wood/Hollow Metal) | 1-1/2 pair | H-4 | Hinges |
| | 1/2 pair | H-5 | Hinges (Electric) |
| Service Elevator Lobby from Passage (34) | 1 each | L-7 | Lock (Electric) |
| | 1 each | C-1 | Closer |
| | 1 set | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 set | W-5 | Door Bottom Sweep |
| | 1 each | T-5 | Threshold |
| | 1 each | | Card Reader by Security |
| | 1 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 197 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------------|-----------------|-------------|--------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 2 each | C-1 | Closer |
| Passage 2 to Storage 2 (62) | 2 each | S-1 | Floor Stop |
| | 1 set | B-1 | Flush Bolts |

| HARDWARE SET NUMBER 198 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------------|-----------------|-------------|----------------------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/Hollow Metal) | 4 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 2 each | C-1 | Closer |
| Passage 2 from Pumps (62) | 2 each | S-1 | Floor Stop |
| | 1 set | B-1 | Flush Bolts |
| | 2 each | | Door Position Switch by Security |

| HARDWARE SET NUMBER 199 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------------|-----------------|-------------|--------------------|
| 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal/Hollow Metal) | 4 pair | H-3 | Hinges |
| | 1 each | L-5 | Passage |
| Vestibule 2 from Passage 1 (63) | 1 set | B-1 | Flush Bolts |
| | 1 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |

| HARDWARE SET NUMBER 200 | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------------|-----------------|-------------|--------------------|
| 3'-0-3/16" x 8'-10-1/2" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |

Lobby to Retail 2 (01) See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware.

HARDWARE SET NUMBER 201
25'-5" x 20'-8-1/2" (Grille)

Exterior to Parking Ramp (01)

QUANTITY ITEM DESCRIPTION
See Section 08 33 26/ Overhead Coiling Grilles for balance of Door Hardware.

HARDWARE SET NUMBER 202
4'-0" x 8'-10-1/2" (Stainless Steel)

Low Rise Elevator Lobby to Service Elevator Lobby (01)

"B" Label, 90 min.

QUANTITY ITEM DESCRIPTION
2 pair H-4 Hinges
1 each L-3 Office
1 each C-1 Closer
1 each S-1 Floor Stop
1 each W-4 Door Bottom Drop Seal
1 set W-3 Jamb/Head Gaskets
1 each T-2 Threshold

HARDWARE SET NUMBER 203
3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal)

Mechanical 4 from Fuel Exhaust Fan Room (02)

"B" Label, 90 min.

QUANTITY ITEM DESCRIPTION
2 pair H-1 Hinges
1 each L-6 Storeroom
1 each C-1 Closer
1 each S-1 Floor Stop

HARDWARE SET NUMBER 204
3'-0" x 8'-10-1/2" (Wood/Hollow Metal)

Public Elevator Vestibule to Passage 7 (05)

"C" Label, 45 min.

QUANTITY ITEM DESCRIPTION
1-1/2 pair H-1 Hinges
1/2 pair H-2 Hinges (Electric)
1 each E-6 Exit Device (Electric)
1 each C-1 Closer
1 each S-1 Floor Stop
1 set W-3 Jamb/Head Gaskets
1 set W-5 Door Bottom Drop Seal
1 each T-2 Threshold
1 each Card Reader by Security
1 each Door Position Switch by Security

HARDWARE SET NUMBER 205
3'-0" x 7'-2" (Hollow Metal/Hollow Metal)

Stair 4 to Transfer Passage (P1)

"B" Label, 90 min.

QUANTITY ITEM DESCRIPTION
1-1/2 pair H-1 Hinges
1 each L-5 Passage
1 each C-1 Closer
1 each S-1 Floor Stop
1 each W-2 Door Bottom Drop Seal
1 each W-3 Jamb/Head Gasket
1 each T-1 Threshold

HARDWARE SET NUMBER 206
3' x 0" x 8' x 10-1/2" (Hollow Metal/Hollow Metal)

Parking to Gas Meter (P1)

"B" Label, 90 min.

QUANTITY ITEM DESCRIPTION
2 pair H-1 Hinges
1 each L-6 Storeroom
1 each C-1 Closer
1 each S-1 Floor Stop
1 each Door Position Switch by Security

| HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------|------------------------|
| HARDWARE SET NUMBER 207 6'-0" x 8'-10-1/2" (Pair) (Hollow Metal / Hollow Metal) | 4 pair | H-1 | Hinges |
| | 2 each | L-5 | Passage |
| | 1 set | B-2 | Automatic Flush Bolts |
| High-Mid Rise Elevator Lobby to Passage 5 (05) | 2 each | C-1 | Closer |
| | 2 each | S-1 | Floor Stop |
| | 2 set | W-4 | Door Bottom Drop Seal |
| "C" Label, 45 min. | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | A-1 | Astragal |
| | 1 each | A-2 | Coordinator |
| | 2 each | M-5 | Door Holder (Magnetic) |
| | 1 each | T-2 | Threshold |
| HARDWARE SET NUMBER 208 6'-0" x 8'-10-3/4" (Aluminum and Glass) | 2 each | Y-1 | Mortise Cylinder |
| Parking from Garage Elevator Lobby (P1) | See Section 08 41 13/Aluminum Entrances and Storefronts for balance of Door Hardware. | | |
| HARDWARE SET NUMBER 209 | QUANTITY | ITEM | DESCRIPTION |
| Not Used | | | |
| HARDWARE SET NUMBER 210 3'-0" x 8'-10-1/2" (Hollow Metal/Hollow Metal) | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom (knurled) |
| | 1 each | C-1 | Closer |
| Mechanical 2 to Electrical 1 (03) | 1 each | S-1 | Floor Stop |
| | 1 each | W-3 | Jamb/Head Gaskets |
| "B" Label, 90 min. | 1 each | W-4 | Door Bottom Drop Seal |
| | 1 each | T-3 | Threshold |
| HARDWARE SET NUMBER 211 | QUANTITY | ITEM | DESCRIPTION |
| Not Used | | | |
| HARDWARE SET NUMBER 212 | QUANTITY | ITEM | DESCRIPTION |
| Life Safety Generator Room to Mechanical Chase 2 | 2 pair | H-1 | Hinges |
| | 1 each | L-6 | Storeroom |
| | 1 each | C-2 | Closer |
| "B" Label, 90 min. | 1 each | S-1 | Floor Stop |
| | 1 each | W-5 | Door Button Drop Seal |
| | 1 set | W-3 | Jamb/Head Gaskets |
| | 1 each | T-1 | Threshold |
| HARDWARE SET NUMBER 500 8'-0" x 9'-0" high (Stainless Steel and Glass) | 2 each | Y-1 | Mortise Cylinder |
| Exterior from Lobby (01) | See Section 08 42 33/ Revolving Door Entrances for balance of Door Hardware. | | |

| HARDWARE SET NUMBER | QUANTITY | ITEM | DESCRIPTION |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------|-----------------------------|
| 501 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Lobby (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| 502 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Lobby (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| 503 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Lobby (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| 504 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Lobby (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| 505 (N.I.C.) 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Retail 2 (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| 506 (N.I.C.) 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Retail 2 (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| 507 6'-0" x 8'-5-1/2" (Pair) (Glass and Stainless Steel) | 2 each | Y-1 | Mortise Cylinder |
| Exterior from Public Lobby (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| 508 3'-9-1/2" x 9'-3-3/4" (Hollow Metal with Perforated Metal Cladding) | 1 each | FC-1 | Floor Closer |
| Exterior from Exit Passage 2 (01) | 2 each | P-1 | Intermediate Pivot |
| | 1 each | E-3 | Exit Device |
| | 1 each | S-2 | Overhead Stop |
| | 1 each | T-7 | Threshold |
| | 1 each | | Position Sensor by Security |

| HARDWARE SET NUMBER 509 | QUANTITY | ITEM | DESCRIPTION |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------|-----------------------------|
| 3'-9-1/2" x 9'-3-3/4" (Hollow Metal with Perforated Metal Cladding) | 1 each | FC-1 | Floor Closer |
| | 2 each | P-1 | Intermediate Pivot |
| | 1 each | S-3 | Overhead Stop/Holder |
| Exterior from Storage 1 (01) | 1 each | L-11 | Deadlock |
| | 1 each | M-11 | Pull |
| | 1 each | T-7 | Threshold |
| | 1 each | | Position Sensor by Security |
| HARDWARE SET NUMBER 510 | QUANTITY | ITEM | DESCRIPTION |
| Not Used | | | |
| HARDWARE SET NUMBER 511 | QUANTITY | ITEM | DESCRIPTION |
| Not Used | | | |
| HARDWARE SET NUMBER 512 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Exit Passage 1 (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| HARDWARE SET NUMBER 513 (N.I.C.) | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Retail 1 (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| HARDWARE SET NUMBER 514 (N.I.C.) | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Retail 1 (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| HARDWARE SET NUMBER 515 | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior to Passage 4 (05) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| HARDWARE SET NUMBER 516 (N.I.C.) | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Retail 1 (05) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |
| HARDWARE SET NUMBER 517 (N.I.C.) | QUANTITY | ITEM | DESCRIPTION |
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Retail (05) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |

| HARDWARE SET NUMBER 518 (N.I.C.) | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------|-----------------------------------------------------------------------------------------|-------------|--------------------|
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Retail 1 (05) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |

| HARDWARE SET NUMBER 519 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------|-----------------------------------------------------------------------------------------|-------------|--------------------|
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior to Passage 5 (05) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |

| HARDWARE SET NUMBER 520 | QUANTITY | ITEM | DESCRIPTION |
|-------------------------------------------|-----------------------------------------------------------------------------------------|-------------|--------------------|
| 3'-0" x 9'-0" (Glass and Stainless Steel) | 1 each | Y-1 | Mortise Cylinder |
| Exterior from Guard Room (01) | See Section 08 41 26/ All Glass Entrances and Storefronts for balance of Door Hardware. | | |

END OF SECTION