

**CBLH DESIGN, INC.  
7850 FREEWAY CIRCLE  
MIDDLEBURG HTS., OHIO 44130  
PHONE: 440/243-2000  
DATE: February 19, 2016  
VAMC PROJECT NO: 541-371  
CBLH PROJECT NO.: 14839.01**

**AMENDMENT NO. 6 TO DRAWINGS AND SPECS FOR  
CONSTRUCT VHA-VBA  
DEPARTMENT OF VETERANS AFFAIRS MEDICAL CENTER  
10701 EAST BOULEVARD  
CLEVELAND, OHIO 44106**

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Bidding Documents, Specifications and Drawings dated June 19, 2015, for the above named project are modified and supplemented as set forth in this Amendment. Wherein this Amendment varies from or conflicts with the original issue of Bidding Documents, the requirements of this Amendment shall govern.

Amendments and amendment items, issued by CBLH Design, are numbered consecutively from the commencement of the Project. Amendments No. 1 thru 5 were previously issued by the VAMC.

This Amendment is comprised of one item as noted.

### **SPECIFICATIONS**

**ITEM NO. 1**    **SPECIFICATION SECTION 08 71 00**

Remove Section 08 71 00 "Door Hardware", originally issued and replace with new Section 08 71 00, issued with Amendment No. 6 and attached herewith.

**SECTION 08 71 00**  
**DOOR HARDWARE**

**PART 1 - GENERAL**

**1.1 DESCRIPTION**

- A. Door hardware and related items necessary for complete installation and operation of doors.

**1.2 RELATED WORK**

- A. Caulking: Section 07 92 00 JOINT SEALANTS.
- B. Application of Hardware: Section 08 14 00, WOOD DOORS, Section 08 11 13, HOLLOW METAL DOORS AND FRAMES, Section 08 41 13, ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS, Section 08 71 13, AUTOMATIC DOOR OPERATORS, and Section 08 71 13.11, LOW ENERGY DOOR OPERATORS.
- C. Finishes: Section 09 06 00, SCHEDULE FOR FINISHES.
- D. Card Readers: Section 28 13 11, PHYSICAL ACCESS CONTROL SYSTEMS.
- E. Electrical: Division 26, ELECTRICAL.
- F. Fire Detection: Section 28 31 00, FIRE DETECTION AND ALARM.

**1.3 GENERAL**

- A. All hardware shall comply with UFAS, (Uniform Federal Accessible Standards) unless specified otherwise.
- B. Provide rated door hardware assemblies where required by most current version of the International Building Code (IBC).
- C. Hardware for Labeled Fire Doors and Exit Doors: Conform to requirements of NFPA 80 for labeled fire doors and to NFPA 101 for exit doors, as well as to other requirements specified. Provide hardware listed by UL, except where heavier materials, large size, or better grades are specified herein under paragraph HARDWARE SETS. In lieu of UL labeling and listing, test reports from a nationally recognized testing agency may be submitted showing that hardware has been tested in accordance with UL test methods and that it conforms to NFPA requirements.
- D. Hardware for application on metal and wood doors and frames shall be made to standard templates. Furnish templates to the fabricator of these items in sufficient time so as not to delay the construction.
- E. The following items shall be of the same manufacturer, except as otherwise specified:
  - 1. Mortise locksets.
  - 2. Hinges for hollow metal and wood doors.
  - 3. Surface applied overhead door closers.
  - 4. Exit devices.

5. Floor closers.

**1.4 WARRANTY**

A. Automatic door operators shall be subject to the terms of FAR Clause 52.246-21, except that the Warranty period shall be two years in lieu of one year for all items except as noted below:

1. Locks, latchsets, and panic hardware: 5 years.
2. Door closers and continuous hinges: 10 years.

**1.5 MAINTENANCE MANUALS**

A. In accordance with Section 01 00 00, GENERAL REQUIREMENTS Article titled "INSTRUCTIONS", furnish maintenance manuals and instructions on all door hardware. Provide installation instructions with the submittal documentation.

**1.6 SUBMITTALS**

A. Submittals shall be in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES. Submit 6 copies of the schedule per Section 01 33 23. Submit 2 final copies of the final approved schedules to VAMC Locksmith as record copies (VISN Locksmith if the VAMC does not have a locksmith).

B. Hardware Schedule: Prepare and submit hardware schedule in the following form:

Hardware Item	Quantity	Size	Reference Publication Type No.	Finish	Mfr. Name and Catalog No.	Key Control Symbols	UL Mark (if fire rated and listed)	ANSI/BHMA Finish Designation

C. Samples and Manufacturers' Literature:

1. Samples: All hardware items (proposed for the project) that have not been previously approved by Builders Hardware Manufacturers Association shall be submitted for approval. Tag and mark all items with manufacturer's name, catalog number and project number.
2. Samples are not required for hardware listed in the specifications by manufacturer's catalog number, if the contractor proposes to use the manufacturer's product specified.

D. Certificate of Compliance and Test Reports: Submit certificates that hardware conforms to the requirements specified herein. Certificates

shall be accompanied by copies of reports as referenced. The testing shall have been conducted either in the manufacturer's plant and certified by an independent testing laboratory or conducted in an independent laboratory, within four years of submittal of reports for approval.

#### **1.7 DELIVERY AND MARKING**

- A. Deliver items of hardware to job site in their original containers, complete with necessary appurtenances including screws, keys, and instructions. Tag one of each different item of hardware and deliver to COR for reference purposes. Tag shall identify items by Project Specification number and manufacturer's catalog number. These items shall remain on file in COR's office until all other similar items have been installed in project, at which time the COR will deliver items on file to Contractor for installation in predetermined locations on the project.

#### **1.8 PREINSTALLATION MEETING**

- A. Convene a preinstallation meeting not less than 30 days before start of installation of door hardware. Require attendance of parties directly affecting work of this section, including Contractor and Installer, Architect, Project Engineer and VA Locksmith, Hardware Consultant, and Hardware Manufacturer's Representative. Review the following:
1. Inspection of door hardware.
  2. Job and surface readiness.
  3. Coordination with other work.
  4. Protection of hardware surfaces.
  5. Substrate surface protection.
  6. Installation.
  7. Adjusting.
  8. Repair.
  9. Field quality control.
  10. Cleaning.

#### **1.9 INSTRUCTIONS**

- A. Hardware Set Symbols on Drawings: Except for protective plates, door stops, mutes, thresholds and the like specified herein, hardware requirements for each door are indicated on drawings by symbols.

Symbols for hardware sets consist of letters (e.g., "HW") followed by a number. Each number designates a set of hardware items applicable to a door type.

- B. Manufacturers' Catalog Number References: Where manufacturers' products are specified herein, products of other manufacturers which are considered equivalent to those specified may be used. Manufacturers whose products are specified are identified by abbreviations as follows:

Adams-Rite	Adams Rite Mfg. Co.	Pomona, CA
Best	Best Access Systems	Indianapolis, IN
Don-Jo	Don-Jo Manufacturing	Sterling, MA
G.E. Security	GE Security, Inc.	Bradentown, FL
Markar	Markar Architectural Products	Pomona, CA
Pemko	Pemko Manufacturing Co.	Ventura, CA
Rixson	Rixson	Franklin Park, IL
Rockwood	Rockwood Manufacturing Co.	Rockwood, PA
Securitron	Securitron Magnalock Corp.	Sparks, NV
Southern Folger	Southern Folger Detention Equipment Co.	San Antonio, TX
Stanley	The Stanley Works	New Britain, CT
Tice	Tice Industries	Portland, OR
Trimco	Triangle Brass Mfg. Co.	Los Angeles, CA
Zero	Zero Weather Stripping Co.	New York, NY

- C. Keying: All cylinders shall be keyed into existing Master Key System. Keying information shall be furnished at a later date by the COR.
1. Keying information will be furnished to the Contractor by the COR.
  2. Supply information regarding key control of cylinder locks to manufacturers of equipment having cylinder type locks. Notify COR immediately when and to whom keys or keying information is supplied. Return all such keys to the COR.

#### 1.10 APPLICABLE PUBLICATIONS

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only. In text, hardware items are referred to by series, types, etc., listed in such specifications and standards, except as otherwise specified.

B. American Society for Testing and Materials (ASTM):

E2180-07.....Standard Test Method for Determining the  
Activity of Incorporated Antimicrobial Agent(s)  
In Polymeric or Hydrophobic Materials

C. American National Standards Institute/Builders Hardware Manufacturers  
Association (ANSI/BHMA):

A156.1-06.....Butts and Hinges  
A156.2-03.....Bored and Pre-assembled Locks and Latches  
A156.3-08.....Exit Devices, Coordinators, and Auto Flush  
Bolts  
A156.4-08.....Door Controls (Closers)  
A156.5-01.....Auxiliary Locks and Associated Products  
A156.6-05.....Architectural Door Trim  
A156.8-05.....Door Controls-Overhead Stops and Holders  
A156.12-05 .....Interconnected Locks and Latches  
A156.13-05.....Mortise Locks and Latches Series 1000  
A156.15-06.....Release Devices-Closer Holder, Electromagnetic  
and Electromechanical  
A156.16-08.....Auxiliary Hardware  
A156.17-04 .....Self-Closing Hinges and Pivots  
A156.18-06.....Materials and Finishes  
A156.20-06 .....Strap and Tee Hinges, and Hasps  
A156.21-09.....Thresholds  
A156.22-05.....Door Gasketing and Edge Seal Systems  
A156.23-04.....Electromagnetic Locks  
A156.24-03.....Delayed Egress Locking Systems  
A156.25-07 .....Electrified Locking Devices  
A156.26-06.....Continuous Hinges  
A156.28-07 .....Master Keying Systems  
A156.29-07 .....Exit Locks and Alarms  
A156.30-03 .....High Security Cylinders  
A156.31-07 .....Electric Strikes and Frame Mounted Actuators  
A250.8-03.....Standard Steel Doors and Frames

D. National Fire Protection Association (NFPA):

80-10.....Fire Doors and Fire Windows  
101-09.....Life Safety Code

E. Underwriters Laboratories, Inc. (UL):

Building Materials Directory (2008)

**PART 2 - PRODUCTS - REFER TO HARDWARE SCHEDULE**

**PART 3 - EXECUTION**

**3.1 HARDWARE HEIGHTS**

- A. For new buildings locate hardware on doors at heights specified below, with all hand-operated hardware centered within 864 mm (34 inches) to 1200 mm (48 inches), unless otherwise noted:
- B. Hardware Heights from Finished Floor:
  - 1. Exit devices centerline of strike (where applicable) 1024 mm (40-5/16 inches).
  - 2. Locksets and latch sets centerline of strike 1024 mm (40-5/16 inches).
  - 3. Deadlocks centerline of strike 1219 mm (48 inches).
  - 4. Hospital arm pull 1168 mm (46 inches) to centerline of bottom supporting bracket.
  - 5. Centerline of door pulls to be 1016 mm (40 inches).
  - 6. Push plates and push-pull shall be 1270 mm (50 inches) to top of plate.
  - 7. Push-pull latch to be 1024 mm (40-5/16 inches) to centerline of strike.
  - 8. Locate other hardware at standard commercial heights. Locate push and pull plates to prevent conflict with other hardware.

**3.2 INSTALLATION**

- A. Closer devices, including those with hold-open features, shall be equipped and mounted to provide maximum door opening permitted by building construction or equipment. Closers shall be mounted on side of door inside rooms, inside stairs, and away from corridors except bathroom and anteroom doors which shall have closer installed parallel arm on exterior side of doors. At exterior doors, closers shall be mounted on interior side. Where closers are mounted on doors they shall be mounted with sex nuts and bolts; foot shall be fastened to frame with machine screws.
- B. Hinge Size Requirements:

Door Thickness	Door Width	Hinge Height
45 mm (1-3/4 inch)	900 mm (3 feet) and less	113 mm (4-1/2 inches)
45 mm (1-3/4 inch)	Over 900 mm (3 feet) but not more than 1200 mm (4 feet)	125 mm (5 inches)

35 mm (1-3/8 inch) (hollow core wood doors)	Not over 1200 mm (4 feet)	113 mm (4-1/2 inches)
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- C. Hinge leaves shall be sufficiently wide to allow doors to swing clear of door frame trim and surrounding conditions.
- D. Where new hinges are specified for new doors in existing frames or existing doors in new frames, sizes of new hinges shall match sizes of existing hinges; or, contractor may reuse existing hinges provided hinges are restored to satisfactory operating condition as approved by COR. Existing hinges shall not be reused on door openings having new doors and new frames. Coordinate preparation for hinge cut-outs and screw-hole locations on doors and frames.
- E. Hinges Required Per Door:

Doors 1500 mm (5 ft) or less in height	2 butts
Doors over 1500 mm (5 ft) high and not over 2280 mm (7 ft 6 in) high	3 butts
Doors over 2280 mm (7 feet 6 inches) high	4 butts
Dutch type doors	4 butts
Doors with spring hinges 1370 mm (4 feet 6 inches) high or less	2 butts
Doors with spring hinges over 1370 mm (4 feet 6 inches)	3 butts

- F. Fastenings: Suitable size and type and shall harmonize with hardware as to material and finish. Provide machine screws and lead expansion shields to secure hardware to concrete, ceramic or quarry floor tile, or solid masonry. Fiber or rawl plugs and adhesives are not permitted. All fastenings exposed to weather shall be of nonferrous metal.
- G. After locks have been installed; show in presence of COR that keys operate their respective locks in accordance with keying requirements. (All keys, Master Key level and above shall be sent Registered Mail to the Medical Center Director along with the bitting list. Also a copy of the invoice shall be sent to the COR for his records.) Installation of locks which do not meet specified keying requirements shall be considered sufficient justification for rejection and replacement of all locks installed on project.

**3.3 FINAL INSPECTION**

- A. Installer to provide letter to VA COR that upon completion, installer has visited the Project and has accomplished the following:

1. Re-adjust hardware.
2. Evaluate maintenance procedures and recommend changes or additions, and instruct VA personnel.
3. Identify items that have deteriorated or failed.
4. Submit written report identifying problems.

**3.4 DEMONSTRATION**

- A. Demonstrate efficacy of mechanical hardware and electrical, and electronic hardware systems, including adjustment and maintenance procedures, to satisfaction of COR and VA Locksmith.

**3.5 HARDWARE SETS**

- A. Following sets of hardware correspond to hardware shown on door schedule.
- B. Hardware Consultant working on a project will be responsible for providing additional information regarding these hardware sets.

**3.6 DOOR HARDWARE SCHEDULE**

- A. Manufacturer's Abbreviations:

1. MK - McKinney
2. MR - Markar
3. RF - Rixson
4. RO - Rockwood
5. YA - Yale
6. SA - Sargent
7. AT - Accurate Lock and Hardware
8. RU - Corbin  
Russwin
9. SL - Schlage
10. SU - Securitron
11. NO - Norton
12. PE - Pemko
13. OT - By Others

**HARDWARE SCHEDULE**

<b>SET: 1.0</b>				
<b>DOORS: 1-L899-1</b>				
1	Continuous Hinge (A51031B)	FM-300 HT MB	630	MR
1	Exit Device (rim)	7105 EO	630	YA
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Electric Strike	9600-LBM 2004M 2005M	630	HS
1	Pull	RM201	US32D-316	RO
1	Surface Closer	UNI3501 M	689	YA
1	Kick Plate (J102)	1050 8" 4BE CSK	US32D	RO
1	Threshold (J36130)	2005AT MSES25SS		PE
1	Frame Wire Harness	QC-C1500P		MK

NOTES: MANUFACTURER TO FABRICATE DOOR AND FRAME FOR DOOR POSITION SWITCH PROVIDED AS WORK OF DIVISION 26. WEATHERSTRIP IS PROVIDED BY DOOR MANUFACTURER.

<b>SET: 2.0</b>				
<b>DOORS: 1-L801, 1-L802, 1-L802</b>				
1	Continuous Hinge (A51331B)	FM-300 HT MB CTP	630	MR
1	Continuous Hinge (A51031B)	FM-300 HT MB	630	MR
1	Exit Device (Type 8, F12)	7160 B P 603F	630	YA
1	Exit Device (concealed vertical rod, exit only)	7165 EO	630	YA
2	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
2	Pull	RM201	US32D-316	RO
2	Conc. OH Stop-Adj (C01541)	1-X36 Adjustable	630	RF
1	Surface Closer	TJ3501	689	YA
1	Door Operator	6030 D	689	NO
1	Threshold (J32130)	171A MSES25SS		PE
2	Sweep (R3D536)	345AV		PE
1	Door Wire Harness	QC-C*** (Length / Type as Required)		MK
1	Frame Wire Harness	QC-C1500P		MK
1	Electric Power Transfer	EL-EPT		SU
2	Door Switch (Operator)	506		NO
2	Controller	782		YA

Notes: OUTSIDE OPERATION: DURING NORMAL HOURS PUSHING OUTSIDE PUSH BUTTON UNLOCKS EXIT DEVICES AND ACTIVATES OPERATORS. AFTER HOURS OUTSIDE PUSH BUTTON IS NOT ACTIVE UNLESS AUTHORIZED CREDENTIAL IS PRESENTED TO CARD READER WHICH UNLOCKS EXIT DEVICE AND ACTIVATES EXTERIOR PUSH BUTTON.

INSIDE OPERATION: PUSHING PUSH BUTTON WILL UNLOCK EXIT AND ACTIVATE OPERATOR. EGRESS IS BY EXIT DEVICE. EMERGENCY ACCESS IS BY KEY.

MANUFACTURER TO FABRICATE DOOR AND FRAME FOR DOOR POSITION SWITCH PROVIDED AS WORK OF DIVISION 26. WEATHERSTRIP IS PROVIDED BY DOOR MANUFACTURER.

<b>SET: 2.1</b>				
<b>DOORS: 2-L801</b>				
1	Continuous Hinge (A51331B)	FM-300 HT MB CTP	630	MR
1	Continuous Hinge (A51031B)	FM-300 HT MB	630	MR
1	Exit Device (Type 8, F12)	7160 B P 603F	630	YA
1	Exit Device (concealed vertical rod, exit only)	7165 EO	630	YA
2	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Access Control Exit Device (WiFi)	AD-401-MS-70-FMK-RHO-JD-C06-8B	626	SL
2	Pull	RM201	US32D-316	RO
2	Conc. OH Stop-Adj (C01541)	1-X36 Adjustable	630	RF
1	Surface Closer	TJ3501	689	YA
1	Door Operator	6030 D	689	NO
1	Threshold (J32130)	171A MESS25SS		PE
2	Sweep (R3D536)	345AV		PE
1	Door Wire Harness	QC-C*** (Length / Type as Required)		MK
1	Frame Wire Harness	QC-C1500P		MK
1	Electric Power Transfer	EL-EPT		SU
1	Door Switch (Operator)	506		NO
1	Push Button	PB2		SU
1	Controller	782		YA

Notes: OUTSIDE OPERATION: DURING NORMAL HOURS PUSHING OUTSIDE PUSH BUTTON UNLOCKS EXIT DEVICES AND ACTIVATES OPERATORS. AFTER HOURS OUTSIDE PUSH BUTTON IS NOT ACTIVE UNLESS AUTHORIZED CREDENTIAL IS PRESENTED TO CARD READER WHICH UNLOCKS EXIT DEVICE AND ACTIVATES EXTERIOR PUSH BUTTON.

INSIDE OPERATION: PUSHING PUSH BUTTON WILL UNLOCK EXIT AND ACTIVATE OPERATOR. EGRESS IS BY EXIT DEVICE. EMERGENCY ACCESS IS BY KEY. PUSH BUTTON UNLOCK S EXIT DEVICE AND ACTIVATES OPERATOR. MANUFACTURER TO FABRICATE DOOR AND FRAME FOR DOOR POSITION SWITCH PROVIDED AS WORK OF DIVISION 26. WEATHERSTRIP IS PROVIDED BY DOOR MANUFACTURER.

<b>SET: 3.0</b>				
<b>DOOR: 1-L811</b>				
1	Continuous Hinge (A51331B)	FM-300 HT MB	630	MR
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Surface Closer	UNI3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Threshold (J36130)	2005AT MSES25SS		PE
1	Drip Strip (ROY976)	346C		PE
1	Door Seal (ROE154)	S88 BL (head & jambs)		PE
1	Sweep (R3D536)	345AV		PE

Notes: MANUFACTURER TO FABRICATE DOOR AND FRAME FOR DOOR POSITION SWITCH PROVIDED AS WORK OF DIVISION 26. PRESENTING AUTHORIZED CREDENTIAL TO CARD READER WILL UNLOCK EXIT DEVICE ALLOWING ACCESS. EGRESS IS BY EXIT DEVICE. EMERGENCY ACCESS BY KEY.

<b>SET: 4.0</b>				
<b>DOORS: 1-L801</b>				
2	Continuous Hinge (A51031B)	FM-300 HT MB	630	MR
2	Pull	RM201	US32D-316	RO
2	Push Bar	RM350	US32D-316	RO
2	Door Operator	6030 D	689	NO
2	Door Switch (Operator)	506		NO

Notes: PUSHING EITHER PUSH BUTTON WILL ACTIVATE OPERATOR. WEATHERSTRIP IS PROVIDED BY DOOR MANUFACTURER.

<b>SET: 5.0</b>				
<b>DOOR: 1-L899</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Exit Device (rim, passage)	7100F CR628F	630	YA
1	Surface Closer (PT 4C- C02011 / C02021)	3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
1	Door Seal (ROE154)	S88 BL (head & jambs)		PE

<b>SET: 6.0</b>				
<b>DOORS: 2-L899</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Exit Device (rim, passage)	7100F CR628F	630	YA
1	Surface Closer (C02021)	PR3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
1	Door Seal (ROE154)	S88 BL (head & jambs)		PE

<b>SET: 6.1</b>				
<b>DOORS: 3-L899</b>				
3	Hinge (heavy weight)	T4A3386 x NRP 4-1/2" x 4-1/2"	US32D	MK
1	Mortise Lock (room door)	CRR 8860FL LC	626	YA
1	Cylinder	Rim/Mortise HO5 Keyway	626	RU
1	Surface Closer	UNI3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Threshold (J36130)	2005AT MSES25SS	US26D	PE
1	Drip Strip (ROY976)	346 C		PE
1	Door Seal (ROE154)	S88 BL (head & jambs)		PE
1	Sweep (R3D536)	345AV		PE

<b>SET: 7.0</b>				
<b>DOORS: 2-L861A, 2-L861B</b>				
6	Hinge (A8112)	TA2714	US26D	MK
2	Flush Bolt (L04251)	555/ 557	US26D	RO
1	Dust Proof Strike (L04021)	570	US26D	RO
1	Mortise Lock (Storeroom F07)	CRR 8805FL LC YMS	626	YA
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
2	Surface OH Stop (C02541)	9-X36	630	RF
2	Silencer (L03011)	608		RO

<b>SET: 8.0</b>				
<b>DOORS: 1-L806, 1-L872</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi)	AD-401-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

<b>SET: 8.1</b>				
<b>DOORS: 1-L841</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Mortise Lock (Entry F04)	CRR 8807FL LC YMS	626	YA
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

<b>SET: 8.2</b>				
<b>DOORS: 1-L871, 1-L882</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi) (Storeroom F07)	AD-401-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

<b>SET: 9.0</b>				
<b>DOORS: 1-L892</b>				
1	Electric Hinge	TA2714-QC12	US26D	MK
2	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Surface Closer (C02021)	PR3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

NOTES: ACCESS CONTROL SHALL BE WORK OF DIVISION 28.

<b>SET: 9.1</b>				
<b>DOORS: 1-L822, 1-L862, 2-L822, 2-L862</b>				
1	Electric Hinge	TA2714-QC12	US26D	MK
2	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

NOTES: ACCESS CONTROL SHALL BE WORK OF DIVISION 28.

<b>SET: 10.0</b>				
<b>DOORS: Doors: 1-L807, 1-L827, 1-L827.1, 1-L828, 1-L833, 1-L833.1, 1-L835, 1-L835.1, 1-L837, 1-L838, 1-L839, 1-L863, 1-L874, 1-L877, 1-L901, 2-L812, 2-L813, 2-L827, 2-L827.1, 2-L828, 2-L833, 2-L833.1, 2-L835, 2-L835.1, 2-L837, 2-L838, 2-L839, 2-L840, 2-L852, 2-L863, 2-L864, 2-L865, 2-L867, 2-L869, 2-L870, 2-L901, 2-L825-A, 2-L826-A, 2-L830-A, 2-L832-A</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi)	AD-401-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

<b>SET: 11.0</b>				
<b>DOORS: 1-L823, 1-L824, 1-L829, 2-L823, 2-L824, 2-L829</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi)	AD-401-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/Mortise HO5 Keyway	626	RU
1	Surface Closer (PT 4C-C02011/C02021)	3501 M	689	YA
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

<b>SET: 11.1</b>				
<b>DOORS: 1-L842, 2-L841</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Mortise Lock (Passage F01)	CRR 8801FL	626	YA
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

<b>SET: 11.2</b>				
<b>DOORS: 1-L880A, 1-L881A, 1-L890A, 1-L891A, 2-L832</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Mortise Lock (Passage F01)	CRR 8801FL	626	YA
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
1	Coat Hook	RM282	US32D	RO

<b>SET: 12.0</b>				
<b>DOORS: 1-L821</b>				
1	Electric Hinge	TA2714-QC12	US26D	MK
2	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Surface Closer (C02021)	PR3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
1	Door Wire Harness	QC-C*** (Length/Type as Required)		MK
1	Frame Wire Harness	QC-C1500P		MK

NOTES: ACCESS CONTROL SHALL BE WORK OF DIVISION 28.

<b>SET: 13.0</b>				
<b>DOORS: 1-L809, 1-L880, 1-L881, 1-L890, 1-L891</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Mortise Lock (F02 privacy w/ indicator)	CRR 8802FL IND YMS	626	YA
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
1	Coat Hook (L03121)	RM828	US32D	RO

<b>SET: 14.0</b>				
<b>DOORS: 1-L831, 1-L846, 2-L831, 2-L866</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Mortise Lock (F02 privacy w/ indicator)	CRR 8802FL IND YMS	626	YA
1	Electric Strike (E09321)	1006-12/24-LBM x 2004M	630	HS
1	Automatic Operator	5730	689	NO
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
1	Frame Wire Harness	QC-C1500P		MK
2	Door Switch (Operator)	506		NO
1	Coat Hook (L03121)	RM828	US32D	RO

Notes: OUTSIDE OR INSIDE WALL SWITCH ACTIVATES ELECTRIC STRIKE AND OPERATOR UNLESS DEADBOLT IS THROWN WHICH DEPRESSES THE ELECTRIC STRIKE LBM SWITCH. THUMBTURN THROWS DEADBOLT AND LOCKS OUTSIDE TRIM UNLESS RELEASED BY EMERGENCY RELEASE. POWER SUPPLY PROVIDED AS WORK OF DIVISION 26.

<b>SET: 15.0</b>				
<b>DOORS: 1-L803</b>				
6	Hinge (A8111)	T4A3786	US26D	MK
2	Flush Bolt (L04251)	555/ 557	US26D	RO
1	Dust Proof Strike (L04021)	570	US26D	RO
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
2	Surface Closer (C02021)	PR3501 M	689	YA
2	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
2	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
2	Silencer (L03011)	608		RO
1	Door Wire Harness	QC-C*** (Length / Type as Required)		MK
1	Frame Wire Harness	QC-C1500P		MK
1	Electric Power Transfer	EL-EPT		SU

Notes: CARD READER PROVIDED AS WORK OF DIVISION 28. PRESENTING AUTHORIZED CREDENTIAL TO CARD READER WILL UNLOCK EXTERIOR TRIM ALLOWING ACCESS. EGRESS IS BY INSIDE LEVER. EMERGENCY ACCESS BY KEY.

POWER SUPPLY PROVIDED AS WORK OF DIVISION 26

<b>SET: 16.0</b>				
<b>DOORS: 1-L810,2-L810</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Surface Closer (PT 4C- C02011 / C02021)	3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
1	Door Wire Harness	QC-C*** (Length / Type as Required)		MK
1	Frame Wire Harness	QC-C1500P		MK
1	Electric Power Transfer	EL-EPT		SU

Notes: CARD READER PROVIDED AS WORK OF DIVISION 28. PRESENTING AUTHORIZED CREDENTIAL TO CARD READER WILL UNLOCK EXTERIOR TRIM ALLOWING ACCESS. EGRESS IS BY INSIDE LEVER WHICH HAS RX SWITCH. EMERGENCY ACCESS BY KEY. POWER SUPPLY PROVIDED AS WORK OF DIVISION 26.

<b>SET: 16.1</b>				
<b>DOORS: 2-L811, 2-L861</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Surface Closer (PT 4C- C02011 / C02021)	3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
1	Door Seal (ROE154)	S88 BL (head & jambs)		PE

Notes: CARD READER PROVIDED AS WORK OF DIVISION 28. PRESENTING AUTHORIZED CREDENTIAL TO CARD READER UNLOCK EXTERIOR TRIM ALLOWING ACCESS. EGRESS IS BY INSIDE LEVER WHICH HAS RX SWITCH. EMERGENCY ACCESS BY KEY. POWER SUPPLY PROVIDED AS WORK OF DIVISION 26.

<b>SET: 17.0</b>				
<b>DOORS : 1-L800G, 1-L870, 2-L821, 2-L849</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Surface Closer (C02021)	PR3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
1	Door Wire Harness	QC-C*** (Length / Type as Required)		MK
1	Frame Wire Harness	QC-C1500P		MK
1	Electric Power Transfer	EL-EPT		SU

Notes: CARD READER PROVIDED AS WORK OF DIVISION 28. PRESENTING AUTHORIZED CREDENTIAL TO CARD READER WILL UNLOCK EXTERIOR TRIM ALLOWING ACCESS. EGRESS IS BY INSIDE LEVER WHICH HAS RX SWITCH. EMERGENCY ACCESS BY KEY. POWER SUPPLY PROVIDED AS WORK OF DIVISION 26.

<b>SET: 17.1</b>				
<b>DOORS : 1-L820, 1-L878, 2-L860, 2-L800</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Access Control Exit Device (WiFi)	AD-301-MS-70-FMK-RHO-JD-C06-8B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Electric Strike (E09321)	1006-12/24-LBM x 2004M	630	HS
1	Door Operator	6030 D	689	NO
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
1	Frame Wire Harness	QC-C1500P		MK
1	Electric Power Transfer	EL-EPT		SU
2	Door Switch (Operator)	506		NO

Notes: CARD READER PROVIDED AS WORK OF DIVISION 28. PRESENTING AUTHORIZED CREDENTIAL TO CARD READER WILL UNLOCK ELECTRIC STRIKE ALLOWING AUTOMATIC OPENERS TO GO INTO MOTION. EGRESS IS BY INSIDE LEVER WHICH HAS RX SWITCH. EMERGENCY ACCESS BY KEY. POWER SUPPLY PROVIDED AS WORK OF DIVISION 26.

<b>SET: 17.2</b>				
<b>DOORS: 2-L814A</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Exit Device (rim, surface closer (PT 4C-C02011/C02021)	7100 EO	630	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

<b>SET: 17.3</b>				
<b>DOORS: 2-L814</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Mortise Lock (Storeroom F07)	CRR 8805FL LC YMS	626	YA
1	Cylinder	Rim/Mortise HO5 Keyway	626	RU
1	Surface Closer (C02021)	PR3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO

<b>SET: 18.0</b>				
<b>DOORS : 1-L804, 1-L805</b>				
3	Hinge (A8112)	TA2714	US26D	MK
1	Access Control Exit Device (WiFi)	AD-401-MS-70-FMK-RHO-JD-C06B	626	SL
1	Cylinder	Rim/ Mortise HO5 Keyway	626	RU
1	Surface Closer (PT 4C- C02011 / C02021)	3501 M	689	YA
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
1	Door Seal (ROE154)	S88 BL (head & jambs)		PE

Notes: CARD READER PROVIDED AS WORK OF DIVISION 28. PRESENTING AUTHORIZED CREDENTIAL TO CARD READER WILL UNLOCK EXTERIOR TRIM ALLOWING ACCESS. EGRESS IS BY INSIDE LEVER WHICH HAS RX SWITCH. EMERGENCY ACCESS BY KEY. POWER SUPPLY PROVIDED AS WORK OF DIVISION 26

<b>SET: 19.0</b>				
<b>DOORS : 1-L860, 1-L861, 2-L850, 2-L851</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Push Plate (J301)	70F	US32D-MS	RO
1	Pull Plate (J405)	111x70C	US32D-MS	RO
1	Automatic Operator	5730	689	NO
1	Kick Plate (J102)	K1050 8" 4BE CSK	US32D	RO
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
2	Door Switch (Operator)	506		NO

Notes: PUSHING EITHER PUSH BUTTON WILL ACTIVATE OPERATOR.

<b>SET: 20.0</b>				
<b>DOORS : 1-L825, 1-L826, 1-L830, 1-L832, 1-L834, 1-L836, 1-L843, 1-L844, 1-L845, 1-L850, 1-L851, 1-L852, 2-L825, 2-L826, 2-L830, 2-L834, 2-L836, 2-L842, 2-L843, 2-L844, 2-L845, 2-L846, 2-L847, 2-L848</b>				
3	Hinge (A8111)	T4A3786	US26D	MK
1	Mortise Lock (Entry F04)	CRR 8807FL LC YMS	626	YA
1	Cylinder	Rim/Mortise HO5 Keyway	626	RU
1	Wall Stop-Convex (L02101-Cast)	400	US26D	RO
3	Silencer (L03011)	608		RO
1	Coat Hook (L03121)	RM828	US32D	RO

<b>SET: 21.0</b>				
<b>DOORS : 1-D711.1, 2-D711.1</b>				
Door and Hardware to be Work of Division 08 35 13.13.				

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