

**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 11 13, HOLLOW METAL DOORS AND FRAMES and Section 08 14 00, WOOD DOORS.
- C. Painting: Section 09 91 00, PAINTING.

**1.3 GENERAL**

- A. All hardware shall comply with UFAS, (Uniform Federal Accessible Standards) unless specified otherwise.
- B. Deadlocks specified for psychiatric area doors are not required to have "UL" label.
- C. 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.
- D. The following items shall be of the same manufacturer, if possible, 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 SUBMITTALS**

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.

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/BHM A 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.

**1.5 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 Resident Engineer/COTR for reference purposes. Tag shall identify items by Project Specification number and manufacturer's catalog number. These items shall remain on file in Resident Engineer/COTR's office until all other similar items have been installed in project, at which time the Resident Engineer/COTR deliver items on file to Contractor for installation in predetermined locations on the project.

## 1.6 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 "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, if approved by the prior approval process. Manufacturers whose products are specified are identified by abbreviations as follows:

Product	Manufacturer	Location
Narrow stile locks	Adams Rite Mfg. Co.	Glendale, CA
OH Stops, Hosp latches	Glynn Johnson Co.	Chicago, IL
Locks	Schlage	Carmel, IN
Locks	Best	Indianapolis, IN
Cylinders & Keying	Best	Indianapolis, IN
Closers	LCN Closers	Princeton, IL
Closers	Norton	Monroe, NC
Pivots	Rixon-Firemark Co.	Monroa, NC
Hinges	Hager Hinge Company	Saint Louis, MO
Hinges	The Stanley Works	New Britain, CT
Hinges, pivots , flat goods , stops	Ives	
Flat goods, stops	Trimco / BBW	Los Angeles, CA
Exit Devices	Von Duprin Hardware Co.	Indianapolis, IN
Thresholds & gaskets	National Guard	Memphis, TN

- C. Keying: All cylinders shall be keyed into existing Best System Great Grand Master Key System. Provide removable core cylinders that are removable only with a special key or tool without disassembly of knob or lockset. Cylinders shall be 7 pin type. Keying information shall be furnished at a later date by the Resident Engineer/COTR.

### 1.7 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 National Standards Institute/Builders Hardware Manufacturers Association (ANSI/BHMA):

- A156.1-00 .....Butts and Hinges
- A156.2-03 .....Bored and Pre-assembled Locks and Latches
- A156.3-01 .....Exit Devices
- A156.4-00 .....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
- A156.13-05 .....Mortise Locks and Latches Series 1000
- A156.15-06 .....Release Devices-Closer Holder, Electromagnetic and  
Electromechanical
- A156.16-02 .....American National Standard for Auxiliary Hardware
- A156.18-00 .....Materials and Finishes
- A156.21-06 .....Thresholds
- A156.22-05 .....Door Gasketing and Edge Seal Systems
- A156.23-04 .....Electromagnetic Locks
- A156.24-03 .....Delayed Egress Locking Systems
- A156.31 .....American National Standard for Electric Strikes and Frame  
Mounted Actuators
- A250.8-03 .....Standard Steel Doors and Frames

C. National Fire Protection Association (NFPA):

- 101-05 .....Life Safety Code

D. Underwriters Laboratories, Inc. (UL):

- Building Materials Directory (2007)

## **PART 2 - PRODUCTS**

### **2.1 BUTT HINGES**

A. ANSI A156.

1. The following types of butt hinges shall be used for the types of doors listed, except where otherwise specified:
2. Interior Doors: Type 8112 for doors 900 mm (3 feet) wide or less and Type A8111 for doors over 900 mm (3 feet) wide.
3. Automatic doors hung on butts, provide Type A2111 for exterior doors and aluminum doors, and Type A8111 for other doors.

### **2.2 DOOR CLOSING DEVICES**

- A. Closing devices shall be products of one manufacturer.

### **2.3 OVERHEAD CLOSERS**

- A. Conform to ANSI A156.4, Grade 1.

- B. Closers shall conform to the following:

1. The closer shall have 50 percent adjustable closing force over minimum value for that closer and have adjustable hydraulic back check effective between 60 degrees and 85 degrees of door opening.
2. Where specified, closer shall have hold-open feature.
3. Size Requirements: Size closers in accordance with manufacturer's recommendations or provide multi-size closers, sizes 1 through 6.
4. Material of closer shall be forged or cast iron or cast aluminum.
5. Arm and brackets for closers shall be steel, malleable iron or high strength ductile cast iron.
6. Closers shall have full size cover.
7. Closers shall have adjustable hydraulic back-check and separate valves for closing and latching speed.

### **2.4 DOOR STOPS**

- A. Conform to ANSI A156.16.

- B. Provide door stops wherever an opened door or any item of hardware thereon would strike a wall, column, equipment or other parts of building construction. For concrete, masonry or quarry tile construction, use lead expansion shields for mounting door stops.
- C. Substitute floor stops Type L02141 or L02161 as appropriate, when wall bumpers would not provide an effective door stop.
- D. Where drywall partitions occur, use floor stops, Type L02141 or L02161.
- E. Provide stop Type L02011 or L02181, as applicable for exterior doors.
- F. Omit stops where floor mounted door holders are required and where automatic operated doors occur.
- G. Provide appropriate roller bumper for each set of doors (except where closet doors occur) where two doors would interfere with each other in swinging.
- H. Provide appropriate door mounted stop on doors in individual toilets where floor or wall mounted stops cannot be used.
- I. Provide door stops on doors where combination closer magnetic holders are specified.

## **2.5 LOCKS AND LATCHES**

- A. Conform to ANSI A156.2. Locks and latches for doors 45 mm (1-3/4 inch) thick or over shall have beveled fronts. Lock cylinders shall have not less than seven pins. Cylinders for all locksets shall be removable core type. Cylinders shall be furnished with construction removable cores and construction master keys. Cylinder shall be removable by special key or tool. Construct all cores so that they will be interchangeable into the core housings of all mortise locks, rim locks, and any other type lock included in the Great Grand Master Key System. Disassembly of lever or lockset shall not be required to remove core from lockset. All locksets or latches on double doors with fire label shall have latch bolt with 19 mm (3/4 inch) throw. Provide temporary keying device or construction core of allow opening and closing during construction and prior to the installation of final cores.

B. In addition to above requirements, locks and latches shall comply with following requirements:

1. Mortise Lock and Latch Sets: Conform to ANSI/BHMA A156.13. Mortise locksets shall be series 1000, minimum Grade 2. All locksets and latchsets, except on designated doors in Psychiatric (Mental Health) areas, shall have lever handles similar to Falcon S-lever Design. Lever handle shall be fabricated from wrought stainless steel. No substitute lever design or material shall be accepted. All locks and latchsets shall be furnished with curved lip strike and wrought box. Lock function F02 shall be furnished with key plates similar to Russwin's No. A70. All lock cases installed on lead lined doors shall be lead lined before applying final hardware finish. Furnish armored fronts for all mortise locks.
2. Auxiliary locks shall be as specified under hardware sets and conform to ANSI A156.5.

## 2.6 KEYS

A. Stamp all keys with change number and key set symbol. Furnish keys in quantities as follows:

<b>Locks/Keys</b>	<b>Quantity</b>
Cylinder locks	2 keys each
Cylinder lock change key blanks	100 each different key way
Master-keyed sets	6 keys each
Grand Master sets	6 keys each
Great Grand Master set	5 keys
Control key	1 key

## 2.7 ARMOR PLATES, COMBINATION KICK-MOP PLATES AND DOOR EDGING

A. Conform to ANSI Standard A156.6.

B. Provide protective plates as specified below:

1. Provide kick-mop plates for door, where noted. Kick-mop plates shall be 200 mm (8 inches) high. On push side of doors where jamb stop extends to floor, make combination kick-mop plates 38 mm (1-1/2 inches) less than width of door, except pairs of metal doors which shall have plates 25 mm (1 inch) less than width of each door. Extend all other combination kick-mop plates to within 6 mm (1/4 inch) of each edge of doors. Kick mop plates shall butt astragals. For jamb stop requirements, see specification sections pertaining to door frames.
2. Kick-mop plates are not required on following door sides:
  - a) Closet side of closet doors;
  - b) Storage side of doors to or from storage spaces; and

## **2.8 EXIT DEVICES**

- A. Conform to ANSI Standard A156.3. Exit devices shall be Grade 1; type and function are specified in hardware sets. Provide flush with finished floor strikes for vertical rod exit devices in interior of building. Trim shall have lever handles similar to locksets, unless otherwise specified.

## **2.9 DOOR PULLS**

- A. Conform to ANSI A156.6. Pull plate 90 mm by 350 mm (3-1/2 inches by 14 inches), unless otherwise specified. Cut plates of door pulls for cylinders, or turn pieces where required.

## **2.10 PUSH PLATES**

- A. Conform to ANSI A156.6. Plastic, Type J302, 200 mm (8 inches) wide by 350 mm (14 inches) high. Provide plastic Type J300 plates 100 mm (4 inches wide by 350 mm (14 inches) high) where push plates are specified for doors with stiles less than 200 mm (8 inches) wide. Color shall be as specified in hardware schedule. Cut plates for cylinders, and turn pieces where required.

## **2.11 THRESHOLDS**

- A. Conform to ANSI A156.21, mill finish extruded aluminum, except as otherwise specified. In existing construction, thresholds shall be installed in a bed of sealant with machine screws and expansion shields. In new construction, embed aluminum anchors coated with epoxy in concrete to secure thresholds. Furnish thresholds for the full width of the openings.
- B. For thresholds at elevators entrances see other sections of specifications.

## **2.12 FINISHES**

- A. Exposed surfaces of hardware shall have ANSI A156.18, finishes as specified below. Finishes on all hinges, pivots, closers, thresholds, etc., shall be as specified below under "Miscellaneous Finishes." For field painting (final coat) of ferrous hardware, see Section 09 91 00, PAINTING.
- B. 626 or 630: All surfaces on exterior and interior of buildings, except where other finishes are specified.
- C. Miscellaneous Finishes:
  - 1. Hinges --exterior doors: 626 or 630.
  - 2. Hinges --interior doors: 652.
  - 3. Door Closers: Factory applied paint finish. Dull or Satin Aluminum color.
  - 4. Thresholds: Mill finish aluminum.
  - 5. Cover plates for floor hinges and pivots: 630.
  - 6. Other primed steel hardware: 652.
- D. Hardware Finishes for Existing Buildings: U.S. Standard finishes shall match finishes of hardware in (similar) existing spaces except where otherwise specified.
- E. Color of Plastic Items where colors other than chocolate brown or black are specified, color of core material may be different than color of face.
- F. Special Finish: Exposed surfaces of hardware for dark bronze anodized aluminum doors shall have oxidized oil rubbed bronze finish (dark bronze) finish on door closers shall closely match doors.

### 2.13 BASE METALS

Apply specified U.S. Standard finishes on different base metals as following:

Finish	Base Metal
652	Steel
626	Brass or bronze
630	Stainless steel

## PART 3 - EXECUTION

### 3.1 HARDWARE HEIGHTS

- A. For existing buildings locate hardware on doors at heights to match existing hardware.

The Contractor shall visit the site, verify location of existing hardware and submit locations to Resident Engineer/COTR for approval.

### 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 regular arm. 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. Substitute parallel arm or top jamb mounting for regular arm mounting where the following conditions occur:
1. Where door swing, in full open position, would be limited to less than 90 degrees due to partition construction and closer location.
  2. Where door to room opens outward into corridor
  3. Where exterior doors open outward.
  4. On doors equipped with roller latch.

- C. 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)

- D. Hinge leaves shall be sufficiently wide to allow doors to swing clear of door frame trim.

E. Hinges Required Per Door:

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

- 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 Resident Engineer/COTR 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 Resident Engineer/COTR 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 HARDWARE SETS**

- A. Following sets of hardware correspond to hardware symbols shown on drawings. Where hardware set for a single door is specified for a pair of doors; equip each leaf of such pair of doors with set noted.

HW SET: 01

2	EA	CONTINUOUS HINGE	112HD 83" EPT	313	IVE
2	EA	POWER TRANSFER	EPT-10	695	VON
1	EA	PANIC HARDWARE	QEL-RX3547A-EO	313	VON
1	EA	PANIC HARDWARE	QEL-RX3547A-NL-OP	313	VON
1	EA	RIM CYLINDER	1E72	613	BES
2	EA	OFFSET DOOR PULL	8190-0	613	IVE
1	EA	AUTO. OPERATOR	9553 REG2	313	LCN
2	EA	DOOR SWEEP	200SA		DUR NGP
1	EA	THRESHOLD	413 MS/LA		DUR NGP
1	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	PS902 X 900-2Q		SCE
1	EA	WIRING DIAGRAM	POINT TO POINT		
2	EA	DOOR POSITION	679-05		SCE

SWITCH  
2 EA ACTUATOR, WALL 8310-856T LCN  
MOUNT

DAY MODE

ACCESS CONTROL SYSTEM RETRACTS LATCHES IN EXIT DEVICES AND ENABLES  
EXTERIOR ACTUATOR  
DOOR OPERATES AS PUSH/PULL OR BY ACTUATOR BUTTONS

NIGHT MODE

ACCESS CONTROL SYSTEM RELEASES LATCHES TO SECURE DOORS AND DISABLES  
EXTERIOR ACTUATOR

ACCESS BY VALID CREDENTIAL OR BY MECHANICAL KEY

FREE EGRESS AT ALL TIMES BY EXIT DEVICE  
INTERIOR ACTUATOR ENABLED AT ALL AT ALL TIMES

REMOTE LOCKDOWN BY SWITCH IN AOD OFFICE

HW SET: 02

2	EA	CONTINUOUS	112HD 83" EPT	313	IVE
		HINGE			
2	EA	POWER TRANSFER	EPT-10	695	VON
1	EA	PANIC HARDWARE	QEL-RX3547A-EO	313	VON
1	EA	PANIC HARDWARE	QEL-RX3547A-NL-OP	313	VON
1	EA	RIM CYLINDER	1E72	613	BES
2	EA	OFFSET DOOR	8190-0	613	IVE
		PULL			
1	EA	AUTO. OPERATOR	9553 REG2	313	LCN
2	EA	DOOR SWEEP	200SA	DUR	NGP
1	EA	POWER SUPPLY	PS902 X 900-2Q		SCE
1	EA	WIRING DIAGRAM	POINT TO POINT		
2	EA	DOOR POSITION	679-05		SCE
		SWITCH			
2	EA	ACTUATOR, WALL	8310-856T		LCN
		MOUNT			

DAY MODE

ACCESS CONTROL SYSTEM RETRACTS LATCHES IN EXIT DEVICES AND ENABLES  
EXTERIOR ACTUATOR  
DOOR OPERATES AS PUSH/PULL OR BY ACTUATOR BUTTONS

NIGHT MODE

ACCESS CONTROL SYSTEM RELEASES LATCHES TO SECURE DOORS AND DISABLES  
EXTERIOR ACTUATOR

FREE EGRESS AT ALL TIMES BY EXIT DEVICE  
INTERIOR ACTUATOR ENABLED AT ALL AT ALL TIMES

REMOTE LOCK/UNLOCK BY SWITCH IN AOD OFFICE

HW SET: 03

2	EA	HINGE	5BB1HW 5 X 4.5 NRP	630	IVE
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 TW4M	630	IVE
1	EA	PANIC HARDWARE	RX- 98L 996L	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	ELECTRIC STRIKE	6300	630	VON
1	EA	AUTO. OPERATOR	9542 REG	628	LCN
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	A605A	AL	NGP
1	EA	DRIP CAP	16A	CL	NGP
1	EA	DOOR SWEEP	200SA	AL	NGP
1	EA	THRESHOLD	425 MS/LA	AL	NGP
1	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O
1	EA	WIRING DIAGRAM	POINT TO POINT		
1	EA	ACTUATOR, WALL	8310-856T		LCN
		MOUNT			

ACCESS BY VAILD CREDENTIAL WHICH RELEASES ELECTRIC STRIKE OR BY KEY  
OVERRIDE

FREE EGRESS AT ALL TIMES BY EXIT DEVICE

RX TO SHUNT ALARM

MONITOR SWITCH TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

EXTERIOR ACTUATOR CONTROLLED BY ACCESS CONTRIL SYSTEM

INTERIOR ACTUATOR ALWAYS ACTIVE FOR EGRESS

HW SET: 04

3	EA	HINGE	5BB1HW 5 X 4.5	630	IVE
1	EA	STOREROOM LOCK	L9080BDC 03A	626	SCH
1	EA	ELECTRIC STRIKE	6211 DS-LC FAIL SECURE	630	VON
1	EA	AUTO. OPERATOR	9531 STD	628	LCN
1	SET	SEALS	5050B		BRN NGP

1	EA	DOOR SWEEP	200SA	AL	NGP
1	EA	THRESHOLD	425 MS/LA	AL	NGP
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O
1	EA	WIRING DIAGRAM	POINT TO POINT		
1	EA	ACTUATOR, WALL MOUNT	8310-856T		LCN

DOOR OPENED BY EITHER ACTUATOR WHICH RELEASE ELECTRIC STRIKE AND INITIATE ADO

HW SET: 05

2	EA	HINGE	5BB1HW 5 X 4.5 NRP	630	IVE
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 TW4M	630	IVE
1	EA	STOREROOM LOCK	LV9080BDC X REX 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELECTRIC STRIKE	6211 DS-LC FAIL SECURE	630	VON
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	A605A	AL	NGP
1	EA	DRIP CAP	16A	CL	NGP
1	EA	DOOR SWEEP	200SA	AL	NGP
1	EA	THRESHOLD	425 MS/LA	AL	NGP
1	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O
1	EA	WIRING DIAGRAM	POINT TO POINT		

ACCESS BY VAILD CREDENTIAL WHICH RELEASES ELECTRIC STRIKE OR BY KEY OVERRIDE

FREE EGRESS AT ALL TIMES BY INSIDE LEVER

RX TO SHUNT ALARM

MONITOR SWITCH TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

HW SET: 06

6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	SET	AUTO FLUSH BOLT	FB31P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	LV9080BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE

1	EA	ASTRAGAL	1392SP	600	NGP
2	EA	SURFACE CLOSER	4041 X SRI	689	LCN
1	SET	SEALS	5050B	BRN	NGP
1	EA	DRIP CAP	16A	CL	NGP
2	EA	DOOR SWEEP	200SA	AL	NGP
1	EA	THRESHOLD	425 MS/LA	AL	NGP

HW SET: 07

6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	SET	AUTO FLUSH BOLT	FB31P	630	IVE
1	EA	DUST PROOF	DP2	626	IVE
		STRIKE			
1	EA	STOREROOM LOCK	LV9080BDC 03A	626	SCH
1	EA	MORTISE	1E74	626	BES
		CYLINDER			
1	EA	COORDINATOR	COR X FL X MB	628	IVE
1	EA	ASTRAGAL	178SA	CL	NGP
2	EA	SURFACE CLOSER	4041 SCUSH X SRI	689	LCN
1	SET	SEALS	5050B	BRN	NGP
1	EA	DRIP CAP	16A	CL	NGP
2	EA	DOOR SWEEP	200SA	AL	NGP
1	EA	THRESHOLD	425 MS/LA	AL	NGP

HW SET: 08

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	STOREROOM LOCK	KL9080BDC 03A	626	SCH
1	EA	MORTISE	1E74	626	BES
		CYLINDER			
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 09

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	STOREROOM LOCK	KL9080BDC 03A	626	SCH
1	EA	MORTISE	1E74	626	BES
		CYLINDER			
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	SET	SEALS	5050B	BRN	NGP

HW SET: 10

6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	SET	CONST LATCHING BOLT	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	COORDINATOR	COR X FL X MB	628	IVE
1	EA	ASTRAGAL	178SA	CL	NGP
2	EA	SURFACE CLOSER	4041 HEDA	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW	630	IVE
2	EA	SECURITY FLOOR STOP	FS18S	BLK	IVE
1	SET	SEALS	5050B	BRN	NGP
1	EA	DRIP CAP	16A	CL	NGP
2	EA	DOOR SWEEP	200SA	AL	NGP
1	EA	THRESHOLD	425 MS/LA	AL	NGP

HW SET: 11

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	STOREROOM LOCK	KL9080BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 12

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	STOREROOM LOCK	KL9080BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 13

6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	SET	CONST LATCHING BOLT	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	LV9080BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ASTRAGAL	178SA	CL	NGP
2	EA	OVERHEAD HOLDER	79H	626	GLY
2	EA	SECURITY FLOOR STOP	FS18S	BLK	IVE
1	SET	SEALS	5050B	BRN	NGP
1	EA	DRIP CAP	16A	CL	NGP
2	EA	DOOR SWEEP	200SA	AL	NGP
1	EA	THRESHOLD	425 MS/LA	AL	NGP

HW SET: 14

3	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
1	EA	OFFICE LOCK	L9050BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 15

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	OFFICE LOCK	L9050BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 16

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	OFFICE LOCK	L9050BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 17

3	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
1	EA	PASSAGE SET	L9010 03A	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 18

3	EA	HINGE	5BB1HW 5 X 4.5	630	IVE
1	EA	PASSAGE SET	L9010 03A	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 19

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PRIVACY LOCK	L9496BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	OVERHEAD STOP	900S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 20

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PRIVACY LOCK	L9496BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 21

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PRIVACY LOCK	L9496BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 22

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	PRIVACY LOCK	L9496BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041 EDA X ST2730	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 23

3	EA	HINGE	5BB1HW 5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE

1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 24

6	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
1	SET	CONST LATCHING BOLT	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	COORDINATOR	COR X FL X MB	628	IVE
1	SET	ASTRAGAL	A605A 84"	CL	NGP
2	EA	SURFACE CLOSER	4041 EDA	689	LCN
2	EA	MOP PLATE	8400 10" X 1" LDW	630	IVE
2	EA	ARMOR PLATE	8400 36" X 1" LDW	630	IVE
2	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 25

3	EA	HINGE	5BB1HW 5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B	BRN	NGP

HW SET: 26

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE

1	EA	WALL STOP	WS402CVX	626	IVE
3	EA	SILENCER	SR64	626	GRY IVE

HW SET: 27

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
3	EA	SILENCER	SR64	626	GRY IVE

HW SET: 28

3	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	SURFACE CLOSER	4041 EDA X ST2730	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
3	EA	SILENCER	SR64	626	GRY IVE

HW SET: 29

6	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
2	EA	PANIC HARDWARE	CD3527A-L X 03 LEVER LBR	626	VON
4	EA	MORTISE CYLINDER	1E74	626	BES
2	EA	SURFACE CLOSER	4041 EDA	689	LCN
2	EA	MOUNTING PLATE	4040-18PA	689	LCN
2	EA	MOP PLATE	8400 10" X 1" LDW	630	IVE
2	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
2	EA	WALL STOP	WS402CVX	626	IVE
2		USE FLOOR STOP	WHERE WALL STOP WON'T WORK		
1	EA	SEALS	5060B 7'		BRN NGP
2	EA	SILENCER	SR64	626	GRY IVE

HW SET: 30

2	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW4M	630	IVE
1	EA	STOREROOM LOCK	L9080BDC X REX 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELECTRIC STRIKE	6211 DS-LC FAIL SECURE	630	VON
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
1	EA	CARD READER	AMAG 853		B/O
3	EA	SILENCER	SR64		GRY IVE
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

ACCESS BY VAILD CREDENTIAL WHICH RELEASES ELECTRIC STRIKE OR BY KEY  
OVERRIDE

FREE EGRESS AT ALL TIMES BY INSIDE LEVER

RX TO SHUNT ALARM

MONITOR SWITCH TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

HW SET: 31

2	EA	HINGE	5BB1 4.5 X 4.5	630	IVE
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW4M	630	IVE
1	EA	STOREROOM LOCK	L9080BDC X REX 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELECTRIC STRIKE	6211 DS-LC FAIL SECURE	630	VON
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	FLOOR STOP	FS444	626	IVE
1	SET	SEALS	5050B		BRN NGP
1	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

ACCESS BY VAILD CREDENTIAL WHICH RELEASES ELECTRIC STRIKE OR BY KEY  
OVERRIDE

FREE EGRESS AT ALL TIMES BY INSIDE LEVER

RX TO SHUNT ALARM

MONITOR SWITCH TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

HW SET: 32

2	EA	HINGE	5BB1 4.5 X 4.5 NRP	630	IVE
1	EA	ELECTRIC HINGE	5BB1 4.5 X 4.5 TW4M	630	IVE
1	EA	STOREROOM LOCK	L9080BDC X REX 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELECTRIC STRIKE	6211 DS-LC FAIL SECURE	630	VON
1	EA	SURFACE CLOSER	4041 EDA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B		BRN NGP
1	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

ACCESS BY VAILD CREDENTIAL WHICH RELEASES ELECTRIC STRIKE OR BY KEY  
OVERRIDE  
FREE EGRESS AT ALL TIMES BY INSIDE LEVER  
RX TO SHUNT ALARM  
MONITOR SWITCH IN STRIKE TO INDICATE FORCED ENTRY OR DOOR PROPPED  
OPEN

HW SET: 33

3	EA	HINGE	5BB1HW 5 X 4.5	630	IVE
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 TW4M	630	IVE
1	EA	STOREROOM LOCK	L9080BDC X REX 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELECTRIC STRIKE	6211 DS-LC FAIL SECURE	630	VON
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	ARMOR PLATE	8400 36" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B		BRN NGP
1	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

ACCESS BY VAILD CREDENTIAL WHICH RELEASES ELECTRIC STRIKE OR BY KEY  
OVERRIDE  
FREE EGRESS AT ALL TIMES BY INSIDE LEVER  
RX TO SHUNT ALARM  
MONITOR SWITCH TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

HW SET: 34

2	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
1	EA	ELECTRIC HINGE	5BB1HW 4.5 X 4.5 TW4M	630	IVE
1	EA	STOREROOM LOCK	L9080BDC X REX 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELECTRIC STRIKE	6211 DS-LC FAIL SECURE	630	VON
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	FLOOR STOP	FS444	626	IVE
1	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

ACCESS BY VAILD CREDENTIAL WHICH RELEASES ELECTRIC STRIKE OR BY KEY  
OVERRIDE

FREE EGRESS AT ALL TIMES BY INSIDE LEVER

RX TO SHUNT ALARM

MONITOR SWITCH TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

HW SET: 35

3	EA	HINGE	5BB1HW 5 X 4.5	630	IVE
1	EA	ELECTRIC HINGE	5BB1HW 5 X 4.5 TW4M	630	IVE
1	EA	STOREROOM LOCK	LV9080BDC X REX 03A	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	ELECTRIC STRIKE	6211 DS-LC FAIL SECURE	630	VON
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
1	EA	MOP PLATE	8400 10" X 2" LDW	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
1	SET	SEALS	5050B		BRN NGP
1	EA	DRIP CAP	16A		CL NGP
1	EA	DOOR SWEEP	200SA		AL NGP
1	EA	THRESHOLD	425 MS/LA		AL NGP
1	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

ACCESS BY VAILD CREDENTIAL WHICH RELEASES ELECTRIC STRIKE OR BY KEY  
OVERRIDE

FREE EGRESS AT ALL TIMES BY INSIDE LEVER

RX TO SHUNT ALARM  
MONITOR SWITCH TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

HW SET: 36 - NOT USED

HW SET: 37

6	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
2	EA	POWER TRANSFER	EPT-10	689	VON
1	EA	PANIC HARDWARE	QEL9947L 996L	626	VON
1	EA	PANIC HARDWARE	QEL9947L 996L-DT	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	ELECTROMAGNET	IM492DEP-2 C LOCK	628	SCE
1	EA	AUTO. OPERATOR	9553 REG2	628	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW	630	IVE
2	EA	MOP PLATE	8400 10" X 1" LDW	630	IVE
2	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	PS904 X 900-FA X 900-2Q		SCE
1	EA	WIRING DIAGRAM	POINT TO POINT		
2	EA	ACTUATOR, WALL	8310-856T MOUNT		LCN

ACCESS / EGRESS BY AUTHORIZED CREDENTIAL  
DELAYED EGRESS OPENING (15 SEC)  
PUSHING THE TOUCH PAD FOR MORE THAN ONE SECOND INITIATES AN ALARM  
CONDITION  
DOOR WILL UNLOCK AFTER 15 SECOND DELAY.

DEVICE CONNECTED TO FIRE ALARM SYSTEM AND WILL UNLOCK UPON  
ACTIVATION OF FIRE ALARM SYSTEM

DPS TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

HW SET: 38

6	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
2	EA	POWER TRANSFER	EPT-10	689	VON
1	EA	PANIC HARDWARE	QEL9947L 996L	626	VON
1	EA	PANIC HARDWARE	QEL9947L 996L-DT	626	VON
1	EA	RIM CYLINDER	1E72	626	BES
1	EA	ELECTROMAGNET	IM492DEP-2	628	SCE

C LOCK					
1	EA	AUTO. OPERATOR	9553 REG2	628	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW	630	IVE
2	EA	MOP PLATE	8400 10" X 1" LDW	630	IVE
1	SET	SEALS	A605A	AL	NGP
1	SET	SEALS	5050B	BRN	NGP
2	EA	DOOR SWEEP	200SA	AL	NGP
1	EA	THRESHOLD	425 MS/LA	AL	NGP
2	EA	CARD READER	AMAG 853		B/O
1	EA	POWER SUPPLY	PS904 X 900-FA X 900-2Q		SCE
1	EA	WIRING DIAGRAM	POINT TO POINT		
2	EA	ACTUATOR, WALL MOUNT	8310-856T		LCN

ACCESS / EGRESS BY AUTHORIZED CREDENTIAL  
DELAYED EGRESS OPENING (15 SEC)  
PUSHING THE TOUCH PAD FOR MORE THAN ONE SECOND INITIATES AN ALARM  
CONDITION  
DOOR WILL UNLOCK AFTER 15 SECOND DELAY.

DEVICE CONNECTED TO FIRE ALARM SYSTEM AND WILL UNLOCK UPON  
ACTIVATION OF FIRE ALARM SYSTEM

DPS TO INDICATE FORCED ENTRY OR DOOR PROPPED OPEN

HW SET: 39

1	SET	PIVOT SET	7226	613	IVE
1	EA	PIVOT	7226 INT	613	IVE
1	EA	DEADLOCK	MS1850S (PROVIDE BACKSET)	313	ADA
2	EA	MORTISE CYLINDER	1E74	613	BES
1	EA	OFFSET DOOR PULL	8190-0	613	IVE
1	EA	CONCEALED CLOSER	2031	695	LCN
1	EA	WALL STOP	WS402CVX	626	IVE
1	EA	EXIT INDICATOR	4089	130	ADA

HW SET: 40

3	EA	HINGE	5BB1HW 4.5 X 4.5 NRP	630	IVE
1	EA	PASSAGE SET	L9010 SK1 XL11-000 (ANTI LIGATURE)	630	SCH

1	EA	CONCEALED CLOSER	2210 DPS	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW X TORX	630	IVE
1	SET	SEALS	A605A X TORX	AL	NGP
1	EA	DOOR SWEEP	200SA X TORX	AL	NGP
1	EA	THRESHOLD	425 MS/LA X TORX	AL	NGP

DPS TO INDICATE DOOR PROPPED OPEN

HW SET: 41

3	EA	HINGE	5BB1HW 4.5 X 4.5	630	IVE
1	EA	CLASSROOM LOCK	L9070BDC SK1 XL11-000 (ANTI LIGATURE)	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	CONCEALED CLOSER	2211 X ST-2210	689	LCN
1	EA	OVERHEAD STOP	900S X TORX	630	GLY
1	EA	MOP PLATE	8400 10" X 1" LDW	630	IVE
1	EA	KICK PLATE	8400 10" X 2" LDW X TORX	630	IVE
1	EA	WALL STOP	WS402CVX	626	IVE
3	EA	SILENCER	SR64	GRY	IVE

HW SET: 42

2	SET	PIVOT SET	7230F	630	IVE
2	EA	PIVOT	7230F INT	630	IVE
1	SET	AUTO FLUSH BOLT	FB31P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A LEAD LINED	626	SCH
1	EA	MORTISE CYLINDER	1E74	626	BES
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	SURFACE CLOSER	4041T	689	LCN
2	EA	OVERHEAD STOP	900S	630	GLY
2	EA	MOP PLATE	8400 10" X 1" LDW	630	IVE
2	EA	ARMOR PLATE	8400 36" X 1" LDW	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HW SET: 43

1	SET	PIVOT SET	7230F	630	IVE
---	-----	-----------	-------	-----	-----

Emergency Department Expansion at AVAHCS  
VA Medical Center in Amarillo, TX

Project # 504-220  
July 15, 2011

1	EA	PIVOT	7230F INT	630	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A LEAD LINED	626	SCH
1	EA	MORTISE	1E74	626	BES
		CYLINDER			
1	EA	SURFACE CLOSER	4041	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	EA	MOP PLATE	8400 10" X 1" LDW	630	IVE
1	EA	KICK PLATE	8400 10" X 2" LDW	630	IVE
3	EA	SILENCER	SR64		GRY IVE

HW SET: 44

ALL HARDWARE BY DOOR  
MANUFACTURER

---END---