

SECTION 08710 - DOOR HARDWARE

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Hardware for doors.
 - 2. Thresholds.
 - 3. Weatherstripping, seals and door gaskets.

- B. Related Requirements:
 - 1. Section 06100 - Rough Carpentry: Blocking for miscellaneous hardware mounting.
 - 2. Section 06400 - Architectural Woodwork: Hardware for cabinetry and other finish carpentry.
 - 3. Section 08110 - Steel Doors and Frames: Hardware coordination.
 - 4. Section 16100 - Wiring Methods: Electrified hardware coordination.
 - 5. Appendix A – Products and Work By Owner or Separate Contractor
 - a. General procedures related to Owner furnished products.
 - b. Manufacturers, suppliers, vendor contacts and product names and numbers related to Owner furnished products.

1.2 REFERENCES

- A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.

- B. Americans with Disabilities Act (ADA):
 - 1. 28 CFR Part 36 – ADA Standards for Accessible Design.

- C. American National Standards Institute (ANSI):
 - 1. ANSI A117.1 - Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.
 - 2. ANSI A 156.2 - Bored and Preassembled Locks and Latches.
 - 3. ANSI A 156.6 - Architectural Door Trim.
 - 4. ANSI A 156.13 - Mortise Locks and Latches.
 - 5. ANSI A 156.15 - Release Devices – Closer Holder, Electromagnetic and Electromechanical.

- D. National Fire Protection Institute (NFPA):
 - 1. NFPA 80 - Fire Doors and Windows.
 - 2. NFPA 101 - Code for Safety to Life from Fire in Buildings and Structures.
 - 3. NFPA 252 - Fire Tests of Door Assemblies.

- E. Underwriters Laboratories (UL):
 - 1. UL 10B - Fire Tests of Door Assemblies.
 - 2. UL 305 - Panic Hardware.

1.3 DELIVERY, STORAGE AND HANDLING

- A. Transport, handle, store, and protect door hardware products in compliance with the requirements of Section 01600 and manufacturer's recommendations.

- B. Store products in unopened packages in protected dry area to prevent damage from environmental and construction operations.

- C. Receive Owner furnished products in accordance with the requirements of Section 01600.
- D. Product Delivery: Owner’s Supplier will deliver Owner furnished products to site to be received by Contractor. Contact Owner’s Supplier to coordinate product delivery, receipt and installation.
- E. Acceptance at Site: Inspect products upon delivery to Site to verify quantity, and report discrepancies in quantity delivered or damage.
- F. Product Packaging: Products will be delivered in manufacturer's original packaging with identification markings on each component or package.]

PART 2 PRODUCTS

2.1 OWNER FURNISHED PRODUCTS

- A. Owner’s Panel Supplier will furnish hardware for Pharmacy doors as specified in Appendix A (Section 08710) for installation by Contractor.

2.2 MANUFACTURERS

- A. Provide hardware as Scheduled in the Hardware Schedule in Part 3 of this Section.
 - 1. Hardware furnished by Owner is specified in Appendix A (08710).
- B. Suppliers: Provide hardware by one of the following suppliers:
 - 1. D.H. Pace Inc
Springfield, MO
Mark Lyons
(417) 831-5585
 - 2. Alarm Exit: Contact manufacturer for Contractor-furnished alarm exit device.
 - a. Positive Lock - Contact: Kimbra White, (800) 342-7670.
- C. Product Designations: Hardware may be any of the products listed within the tables below for each specific type. Substitutions will not be permitted.

D. Hardware Manufacturer Designations:

ID	Manufacturer	Telephone
Ar	Arrow (ASSA ABLOY)	(800) 233-0478
De	Detex Corporation	(800) 729-3839
GJ	Glynn-Johnson (Ingersoll Rand Security Technologies (IR)	(800) 525-0336
H	Hager Companies	(800) 325-9995
I	H. B. Ives (IR)	(877) 613-8766
LCN	LCN Closers (IR)	(800) 526-2400
Mc	McKinney (ASSA ABLOY)	(717) 346-7551
Na	National Guard Products, Inc.	(800) 647-7874
P	Pemko Mfg. Co.	(805) 642-2600

ID	Manufacturer	Telephone
Po	Positive Lock	(800) 342-7670
Re	Reese Enterprises, Inc.	(800) 328-0953
Ri	Rixson (ASSA ABLOY)	(800) 457-5670
Ro	Rockwood (ASSA ABLOY)	(814) 926-2026
Sc	Schlage (IR Security & Safety)	(800) 847-1864
Sec	Securitron (ASSA ABLOY)	
Sel	Select Hinges	(800) 423-1174
S	Stanley Hardware	(800) 622-4393
T	Trimco (Triangle Brass Mfg.)	(213) 262-4191
VD	Von Duprin (IR)	(800) 999-0408

2.3 REGULATORY REQUIREMENTS

- A. Perform work in accordance with the following standards:
 - 1. ANSI A117.1
 - 2. NFPA 101.
 - 3. NFPA 80.

4. NFPA 252.
5. UL 10B.
6. UL 305.

- B. Conform to applicable code for requirements applicable to fire rated doors and frames.
- C. Products Requiring Electrical Connection: Listed and classified by Underwriters Laboratories, Inc. (UL), and acceptable to Authority Having Jurisdiction as suitable for the purpose specified and indicated.
- D. Conform to applicable local, State or Federal disabled access requirements for the installation and operation of door hardware.

2.4 FINISHES

- A. Provide finishes as specified in Part 2 of this Section unless otherwise indicated in the Hardware Schedule for the specific hardware item.

2.5 HINGES

- A. Material:
 1. Mortise Butts: Provide full mortise-type hinges with stainless steel pins, except steel pins with steel hinges; non-removable pin (NRP) for exterior and public interior exposure, non-rising pin, flat button with matching plugs, 4-1/2 inches x 4-1/2 inches unless otherwise shown.
 2. Ball-bearing Type Hinges: Swaged, inner leaf beveled, square corners.
 3. Full-surface Reinforcing Pivot:
 - a. For 4-1/2 inch butts with standard 1/4-inch backset.
 - b. Install per manufacturer's written instructions using attachments furnished with pivot.
 4. Continuous Geared Hinge: Full surface type hinge of 6063 T6 Aluminum with thermoplastic polyester bearings, 90 min. fire rated, clear finish. Provide self drilling threaded fasteners for frame and thru bolts for door.

B. Hinges by types:

Type	Description	Finish	MANUFACTURER/MODEL		
			Stanley	Hager	McKinney
H-2	Butts: Medium weight door, low frequency, steel	652	F179	1279	T2714
H-4	Butts: Medium weight door, average frequency, steel	652	FBB179	BB1279	TB2714
			Select Hinge	Hager	
H-7	Hinge: Continuous geared hinge	CL	SL21 SD x SDTF x FDH	Roton 780-210	
			Stanley	Hager	McKinney
H-8	Hinge: Surface mounted 3 x 3	US2H	808BP	1808	705
H-9	Butts: Heavy weight, stainless steel	630	FBB199	BB1199	T4B3386
H-11	Butts: Medium weight, stainless steel	630	FBB191	BB1191	TB3386
H-15	Pivot: Full-Surface Reinforcing (Helper Hinge)			253 (right or left handed as applicable)	

2.6 LOCKS, LATCHES, AND BOLTS

- A. Materials:
 1. Cylindrical Locks: ANSI A156.2, Series 4000 Grade 1, equipped with 6-pin tumbler; "keyed alike" to match keying system of existing locks to remain if compatible. Provide 2-3/4 inch backset. Provide two keys for each lock.

2. Mortise Locks: ANSI A156.13, Grade 1, equipped with 6-pin tumbler; "keyed alike" to match keying system of existing locks to remain. Provide 2-3/4 inch backset. Provide two keys for each lock.
3. Provide Schlage standard C123 keyway (except at Pharmacy).
4. Provide Schlage Primus XP cylinders for Pharmacy 300 series locks.
5. Master key, key alike or different as directed.
6. Quantity: In addition to two keys for each lock, provide the following:
 - a. Cylinder Change Keys: 6 change keys per change
 - b. Master Keys: 10.
7. Latch Sets: Provide push-button releases by turning lever, closing door, or turning emergency release key through hole in outside lever.
8. Strikes: ANSI Strikes, 1-1/4 inches x 4-7/8 inches, with curved lip. Wrought box strikes, with extended lip for latch bolts, except open strike plates may be used in wood frames. Provide dustproof strikes for foot bolts.
9. Tactile Warning: Provide locks with tactile warning for handicapped codes when required by local jurisdiction having authority.

B. Locks by types:

Type	Description	Finish	MANUFACTURER/MODEL
			Schlage
L-1	Mortise Cylinder	626	20-001
L-2	Mortise Cylinder	626	20-001-1-1/4 inches
L-3	Rim Cylinder	626	20-022
L-4	Classroom Lock	626	ND70PD Rhodes
L-5	Storeroom Lock (F86)	626	ND80PD-Rhodes- 25
L-6	Office Lock (F82)	626	ND50PD-Rhodes-10-025
L-7	Passage Latch (F75)	626	ND10S - Rhodes- 10-025
L-8	Privacy Lock (F76)	626	ND40S - Rhodes- 10-025
L-9	Dead Bolt Lock	626	B661P
L-10	Access Control Lock	626	CO-100-CY-70-KP-RHO-626PD
L-11	Entrance Lock (F81/82)	626	ND53PD- Rhodes 10- 25
L-12	Storeroom Lock with deadbolt	626	L9480-06L
L-13	Institutional Lock (F87)	626	ND82PD-Rhodes 10- 025
L-15	Entrance Lock with deadbolt	626	L9453-06L
L-16	Dead Bolt Lock with Thumbturn (Classroom Function)	626	B663P
L-17	Storeroom Lock (Grade 2)	626	AL80PD-Saturn
L-18	Privacy Lock (Grade 2)	626	AL40S-Saturn
L-20	Office Lock (Grade 2)	626	AL50PD-Saturn
L-21	Passage Lock (Grade 2)	626	AL10S-Saturn
L-22	Thumbturn Cylinder	626	09-905NHxB502-292
L-23	Dead Bolt Lock	626	B660P
L-24	Entrance/Office Lock (F82)	626	ND91PD-Rhodes 10-025
L-25	Mortise Privacy Lock with Indicator	626	L9496P 06L

2.7 EXIT DEVICES

A. Materials:

1. Provide exposed metal to match hardware.
2. Size and mount units indicated or, if not indicated, to comply with manufacturer's recommendations for exposure condition. Reinforce substrate as recommended.

B. Exit Devices by types:

Type	Description	Finish	MANUFACTURER/MODEL
			Von Duprin, unless otherwise noted.
E-1	Exit Device: Rim, exit only, UL listed.	626	99EO-F
E-2	Exit Device: Rim, exit only, with alarm. Provide exterior access model or time delay, or weatherproof when scheduled.	600	Positive Lock: THPA Series (Size as required for door scheduled) O/A – Outside Access TDL – Time Delay WE - Weatherproof
E-3	Exit Device: Surface vertical rod (top rod only), lever trim, blank escutcheon, UL listed.	626	9927L-F-BE-LBR
E-4	Exit Device: Concealed vertical rod, lever trim, blank escutcheon, UL listed	626	9948L-F-BE
E-5	Exit Device: Rim, lever trim, blank escutcheon, UL listed.	626	99L-F-BE
E-7	Exit Device: Rim, pull trim.	626	99NL x 697NL
E-8	Exit Device: Mortise delay exit device, pull trim, with alarm. Power Transfer #EPT-10 Power Supply #PS 914	626 SP28	CX9975L x 992L (06 Lever)
E-10	Exit Device: Rim, exit only	626	99EO
E-11	Exit Device: Rim, weatherproof, exit only, with alarm.	626	Detex: V40 EB W AL RWE
E-14	Exit Device: Vertical Rod, exit only, with alarm. Provide exterior access model or time delay when scheduled.	600	Positive Lock: THPA Series O/A – Outside Access TDL – Time Delay
E-16	Exit Device: Rim, lever trim,	626	99L-992L-NL
E-18	Exit Device: Rim, lever trim, UL Listed	626	99L-F-992L-NL
E-19	Exit Device: Surface vertical rod, no outside trim, exit only, UL listed.	626	9927EO-F
E-20	Exit Device: Rim, lever trim, blank escutcheon	626	99L-BE
E-21	Exit Device	626	99EO
E-23	Exit Device: Rim, lever trim, with alarm Power Transfer #EPT-10 Power Supply #PS-914	626 SP28	CX99NL-F x 696-NL
E-24	Exit Device: Rim, lever trim, with alarm Power Transfer #EPT-10 Power Supply #PS-914	626 SP28	CX99EO-F
E-25	Exit Device Paddle	600	Positive Lock 24" Exit Device Paddle

2.8 PULLS AND PUSHES

A. Materials: ANSI A156.6 for 0.050 inch thickness.

B. Push and Pulls by types:

Type	Description	Finish	MANUFACTURER/MODEL		
			Ives	Trimco	Rockwood
P-1	Push 3-1/2 inches x 15 inches	630	8200	1001-2	70B
P-2	Pull 3-1/2 inches x 15 inches	630	8311-5	1012-2	137x70B
P-3	Pull 8 inches CTC x 3/4 inch dia	626	8103-8	1194-2	107
P-4	Pull 5-1/4 cc	630	8111-5	1102T	132
P-5	Pocket Door Pull Latching	black		1069L	

2.9 CLOSERS

A. Materials & Features:

1. ANSI A156.4, grade 1.
2. ADA/ANSI A117.1
3. UL listed.
4. Non-handed, non-sized; adjustable 1-6.
5. 180 degree door opening.
6. Standard cover.
7. Multiple backcheck location valve.
8. Extreme temperature fluid.
9. Sex nuts and bolts (SNBs).
10. Provide exposed metal to match hardware.
11. Size and mount units indicated or, if not indicated, to comply with manufacturer's recommendations for exposure condition. Reinforce substrate as recommended.

B. Closers by types:

Type	Description	Finish	MANUFACTURER/MODEL
			LCN
C-4	Closer: Regular Arm	689	4011-REG
C-5	Closer: Parallel Arm	689	4111-EDA
C-6	Closer: Regular Arm	689	4031-REG
C-7	Closer: Parallel Arm	689	4031-EDA
C-8	Closer: Parallel Arm, HO	689	4111-HEDA
C-9	Closer: Parallel Arm, HO, positive stop	689	4111-H-CUSH
C-10	Closer: Regular Arm, HO	689	4031-H
C-11	Closer: Parallel Arm, positive stop	689	4031-CUSH
C-12	Closer: Parallel Arm, Positive Stop	689	4111-CUSH

2.10 DOOR PROTECTION PLATES

- A. Materials: J100 Protection Plates conforming to ANSI 156.6, stainless steel, 0.050 inch (1.2 mm) minimum thickness. Mount centered, flush with bottom of door. Screws: Phillips head sheet metal screws plated to match plate.

B. Protection Plates by types:

Type	Description	Size	Finish	MANUFACTURER/MODEL		
				Ives	Trimco	Rockwood
K-2	Kick Plate	10 inch x (DW-2 inch)	630	8400	K1050	J102
K-3	Armor Plate	34 inch x (DW-2 inch)	630	8400	K1050	J101
K-4	Armor Plate	41 inch x (DW-2 inch) Notch for lockset	630	8400	K1050	J101
K-5	Kick Plate	18 inch x (DW-2 inch)	630	8400	K1050	J102
K-6	Armor Plate (UL Rated)	34 inch x (DW-2 inch)	630	8402UL	KA050-2 Fire Rated	K1050F
K-7	Armor Plate (UL Rated)	36 inch x (DW-2 inch)	630	8402UL	KA050-2 Fire Rated	K1050F

2.11 STOPS, HOLDERS AND BUMPERS

A. Materials:

1. Door stop mounting: Methods to suit substrates encountered (plastic anchor, drywall anchor, expansion shield).
2. Provide gray rubber exposed resilient parts.
3. Do not furnish aluminum floor stops.

4. For most doors, the preferred door stop is Wall Stop type S-1 and is specified as such in the hardware schedule. However, if circumstances prevent a wall stop installation (door too far from perpendicular wall, door swing into adjacent glass, etc.) then substitute a type S-3 or S-4 floor stop as indicated for use intended.
5. Adjust height of floor stops to suit undercut of adjacent door.

B. Stops, Holders and Bumpers by types:

Type	Description	Finish	MANUFACTURER/MODEL		
			Ives	Trimco	Rockwood
S-1	Wall Stop	630	WS407CVX	W1276CS	409
S-2	Stop & Holder	626	WS445	1207	477
S-4	Floor Stop	626	FS438	1212 3/4ES	442
			Rixson	Glynn-Johnson	
S-5	Overhead Stop - 3-0 doors	626	9-336	904S	
S-6	Overhead Stop - 2-6 doors	626	9-236	902S	
			Ives	Trimco	Rockwood
S-7	Stop & Holder. Kickdown type. Alum or satin chrome		FS452-4	1221-4FF	458
			Rixson	Glynn-Johnson	
S-8	Overhead Stop. Medium duty	630	10-336	454S	

2.12 ELECTROMAGNETIC DOOR HOLDERS

A. Materials & Features:

1. ANSI A156.15, Grade 1.
2. UL listed.
3. Magnet protected against transients and surges up to 600 volts.
4. 24V DC
5. Holding force 35 lbs., nominal.
6. Low residual magnetism for easy release of door.
7. Electrical values +10% -15%.
8. Provide exposed metal to match hardware.

B. Electromagnetic Door Holders by types:

Type	Description	Finish	MANUFACTURER/MODEL		
			LCN	Rixon	
DH-1	Door Holder	As Scheduled	SEM 7850 689	FM-998 SA	

2.13 THRESHOLDS

A. Thresholds by types:

Type	Description	MANUFACTURER/MODEL		
		National Guard	Pemko	Reese
T-1	Threshold: 5 inches x 1/2 inch, abrasive.	425HD-SIA 5"	1715AK 5"	
T-4	Threshold: 2 inches x 1/8 inch, stainless steel plate, smooth surface, beveled 1 side only. Transition threshold between concrete slab and vinyl tile. Set threshold in full bed of silicone sealant, butted to adjacent vinyl tile. Anchor into concrete slab with Hilti Kwik-Con II, #14-134 TFH fasteners spaced at 6-inch centers using Matched Tolerance drill bit for dense concrete.	BAR6SS-2-10 bevel		
T-9	Threshold: 5 inches, aluminum, stop seal	896S	2005AT	S483AS
T-10	Threshold: 5 inches, aluminum, stop seal	898V	2006AT	

2.14 WEATHERSTRIPPING

A. Weatherstripping by types:

Type	Description	MANUFACTURER/MODEL		
		National Guard	Pemko	Reese
W-1	Jamb & Head Weatherstripping, aluminum, vinyl insert, screw-on type	155V	303AV	807A
W-3	Door Bottom Sweep, surface mounted sweep, anodized aluminum, neoprene seal.	201NA	315CN	323A
W-4	Meeting Stile Gaskets, aluminum, silicone insert seal.	160S	303AS	807A
W-5	Jamb Door Gaskets, adhesive application, silicone seal.	5050B	S88D	797B
W-6	Door Shoe Weatherstripping, for hollow metal doors with inverted bottom channel, recessed thermo-plastic insert, slotted/adjustable.	35EN	222PK	596AF

2.15 MISCELLANEOUS HARDWARE

- A. Silencers: Provide in metal door frames, unless not permitted for fire rating, or unless bumper-type weatherstripping is provided; three for each single door frame, two for double-door frame.

B. Miscellaneous Hardware by types:

Type	Description	Size	Finish	MANUFACTURER/MODEL		
				Stanley	Ives	Rockwood
M-1	Hasp & Staple	3-1/2 inches	602	SP915	WS1920	
M-3	Surface Bolt	4 inches	626		40	630
M-4	Viewer		626		700	620
				Ives	Trimco	Rockwood
M-5	Extension Flush Bolts (UL)	12 inches	626	458	3917	555
M-6	Automatic Flush Bolt		626	FB42		1948
				Ives	Trimco	Rockwood
M-8	Silencers			SR64	1229-A	608
				National Guard	Pemko	Reese
M-9	Drip Cap			16AD	346CxFW	R201A
				Ives	Trimco	
M-10	Door Coordinator			CORxMBxFL	3092xMBxW	
				Arrow	Detex	
M-11	Door Alarm with mortise cylinder		626	130 Series AL	EAX-500	
M-12	Door Alarm with rim cylinder		Gray		Alarm: EAX-2500F Transformer: PP5152-3	
				Rockwood		
M-15	Latch Protector		630	321		
				Von Duprin	Schlage	Securitron
M-16	Electric Strike, grade 1, FSE (fail secure), 24 VDC unless noted otherwise in schedule		630	6211		
M-17	Power Supply			PS902		
M-18	Push Button				660PB	
M-19	Electric Strike		626			UNL-24
M-20	Power Supply					BPS-24-1
M-21	Keypad & Controller					DK-26SS
M-21a	Keypad					DK-26PSS
				Von Duprin		
M-24	Mullion		626	9954		
M-25	Strike		626	499F		

Type	Description	Size	Finish	MANUFACTURER/MODEL		
				Stanley	Ives	Rockwood
				HES Innovations		
M-26	Electric Strike, grade 1, FSE (fail secure), 24 VDC unless noted otherwise in schedule		630	9600 C		

2.16 FABRICATION

- A. Finish and Base Material Designations: Number indicates Builders Hardware Manufacturer's Association (BHMA) Code or nearest traditional U.S. commercial finish.
- B. Where base material and quality of finish are not otherwise indicated, provide at least commercially recognized quality.
- 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. Fire-Rated Applications:
 - a. Wood or Machine Screws: For the following:
 - 1) Hinges mortised to doors or 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.
 - 2. Spacers or Sex Bolts: For through bolting of hollow-metal doors.
 - 3. Gasketing Fasteners: Provide noncorrosive fasteners for exterior applications and elsewhere as indicated.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that doors and frames are ready to receive Work and dimensions are as instructed by the manufacturer.
- B. Verify that electric power is available to power operated devices and of the correct characteristics.

3.2 INSTALLATION

- A. Hardware Mounting Heights: Door and Hardware Institute Recommended Locations for Builders Hardware for Standard Steel Doors and Frames, except as otherwise indicated.
 - 1. Conform to requirements of applicable local, State or Federal disabled access requirements for the installation and operation of door hardware.
 - 2. Install electromagnetic door holder at 24 inches above finish floor elevation at manufacturer's recommended distance from the door's leading edge.
- B. Install each hardware item to comply with manufacturer's instructions and recommendations, unless otherwise specified.
- C. Thru-bolt closers on doors.
- D. Vestibule Thresholds: Install as shown on Drawings.

3.3 ADJUSTING

- A. Hardware Adjustment: Adjust hardware for proper operation and function at construction completion. Instruct Walmart personnel in proper maintenance and adjustment.

3.4 HARDWARE SCHEDULE

- A. Hardware Set numbers below correspond to the Door Schedule as shown on the drawings.
- B. The Hardware Schedule below represents the full set of hardware for each door listed. Refer to the Door Schedule and Schedule Notes for actual hardware components required for each door in this project.
- C. Any hardware item specified in the Tables in Part 2 above which corresponds to the mark associated with the item (E.g. "H-1, E-2, etc) as shown in the Hardware Schedule below may be provided.
- D. For interior hollow metal doors and exterior building hollow metal doors which have a tactile exit sign installed on the door, install a door closer (C-5) if a closer does not exist on the door.
- E. Refer to Appendix A (Section 08710) for schedule of hardware furnished by Owner.

Door 104A - Cart Storage: (Sectional Overhead)

Flexible Strip Doors as specified in Section 08381.

Door 118A - Cart Storage-GR: (Sectional Overhead)

Flexible Strip Doors as specified in Section 08381.

Door 128A - Alcove: (Full Height Traffic, Pair)

Hardware furnished by door manufacturer per Section 08383.

Door 165A – Customer Men: (HM, Single)

- 1 ea. (H-7) Continuous Geared Hinge
- 1 ea. (P-1) Push
- 1 ea. (P-2) Pull
- 1 ea. (C-4) Closer
- 1 ea. (K-3) Armor Plate
- 1 ea. (S-7) Stop and Holder
- 3 ea. (M-8) Silencers

Door 166A – Customer Women: (HM, Single)

- 1 ea. (H-7) Continuous Geared Hinge
- 1 ea. (P-1) Push
- 1 ea. (P-2) Pull
- 1 ea. (C-4) Closer
- 1 ea. (K-3) Armor Plate
- 1 ea. (S-7) Stop and Holder
- 3 ea. (M-8) Silencers

Door 167A - Family Toilet: (HM, Single)

- 1 ea. (H-7) Continuous Geared Hinge
- 1 ea. (L-8) Bathroom Privacy Lock
- 1 ea. (C-4) Closer
- 1 ea. (K-3) Armor Plate
- 1 ea. (S-7) Stop and Holder
- 3 ea. (M-8) Silencers

Door 169A - Site to Store Storage: (HM, Single)

- 1 ea. (H-7) Continuous Geared Hinge
- 1 ea. (L-5) Storeroom Lock
- 1 ea. (C-9) Closer
- 1 ea. (K-3) Armor Plate
- 3 ea. (M-8) Silencers

Door 170A - Hallway: (Full Height Traffic, Pair)

Hardware furnished by door manufacturer per Section 08383.

Door 178A - Receiving: (Sectional Overhead)

Flexible Strip Doors as specified in Section 08381.

Door 300B - Pharmacy: (Coiling Counter Shutter)

Hardware furnished by door manufacturer per Section 08337.

END OF SECTION