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ADDENDUM NO. 1

April 25, 2018

ARCHITECT PROJECT NO. 201721/7D1

Safety and Security Upgrades to
Wiley Elementary School,
Holcomb Elementary School, &
Holcomb Middle School
USD #363 HOLCOMB SCHOOLS
Holcomb, Kansas

The Contract Documents are modified as noted in this Addendum and all conditions not modified herein remain unchanged.

- 1. The following items in the Book of Specifications and Related Documents are revised by this Addendum according to the following notations:

<u>SECTION NO. AND TITLE</u>	<u>ITEM REVISED AND DESCRIPTION</u>
000115 – List of Drawing Sheets	Remove Sheets E6.1, E6.2, & E6.3 from list.
004113 – Bid Form	See attached Bid Packages from CMAR.
042000 – Unit Masonry	2.02 Brick Units: Eliminate Facing Brick Type 2 from project. Use Facing Brick Type 1 on entire elem. school project.
087100 – Door Hardware	Specification has been added to project. See attached.
270501 – Common Work Results	Part 1 – General, 1.2 Summary item A: Clarification: Electrical contractor to provide pathways including junction boxes, conduit and pull wire above ceiling for temperature control systems, and access control. Electrical contractor to provide and pull data cabling in bid. Owner to terminate data cabling as required.

- 2. The Contract Drawings are revised by this Addendum according to the following notations:

<u>SHEET NO.</u>	<u>ITEM REVISED AND DESCRIPTION</u>
A101.1 – Wiley Elem Demo Plan Floor plan and RCP	Demolition Floor Plan: Office 100 to remove and replace ceiling as required for modifications to ductwork.
A101.2 – HES & HMS Demo Plan Floor Plan and RCP	Holcomb Middle School (HMS): Change door# W100B to M100B and door W100C to door M100C.

USD 363 Holcomb BID PACKAGES

Section	Section Name	Description
02A - Building Demolition		
02.41.00	Demolition	Complete- Subcontractor to include all building demolition, salvage and haul off site, of all debris. (This bid package does not include site demolition.)
02B - Site Demolition		
02.41.00	Demolition	Complete- Subcontractor to include all site demolition on site demo plans, salvage and haul off site of all debris.
03A - Cast in Place Concrete		
03.05.05	Underslab Vapor Barrier	Complete (furnish & install).
03.20.00	Concrete Reinforcing	Complete (furnish & install), except rebar is for cast in place concrete only. Rebar for masonry is in 04A.
03.30.00	Cast-In-Place Concrete	Complete (furnish & install).
04A - Masonry		
04.20.00	Unit Masonry	Complete (furnish & install)
05A-Steel Supply		
05.12.00	Structural Steel Framing	Furnish and deliver only
05.31.00	Steel Decking	Furnish and deliver only
05.50.00	Metal Fabrications	Furnish and deliver only
05B-Steel Erection		
05.12.00	Structural Steel Framing	Unload and install only
05.31.00	Metal Decking	Unload and install only
05.50.00	Metal Fabrications	Unload and install only
06A - Rough Carpentry		
06.10.00	Rough Carpentry	Complete (furnish & install)
06.41.00	Architectural Wood Casework	Complete (furnish & install)
07A - Roofing		
07.21.00	Thermal Insulation	Complete (Furnish and Install) for this bid packages work only
07.27.26	Fluid Applied Membrane Air Barriers	Complete (Furnish and Install)
07.52.00	Modified Bituminous Membrane Roofing	Complete (Furnish and Install)
07.62.00	Sheet Metal Flashing & Trim	Complete (Furnish and Install)
07.71.00	Roof Specialties	Complete (Furnish and Install)
07.84.00	Firestopping	Complete (Furnish and Install)- For roofing only
07.90.05	Joint Sealers	Complete (Furnish and Install)- For roofing only
07B - Joint Sealants		
07.92.00	Joint Sealants	Complete except for 07B, Div. 22 and Div. 23. Sealant of concrete joints in new paving included.

USD 363 Holcomb BID PACKAGES

Section	Section Name	Description
08A - Openings		
08.11.13	Hollow Metal Doors & Frames	Complete (Furnish & Install)
08.14.16	Flush Wood Doors	Complete (Furnish & Install)
08.71.00	Door Hardware	Complete (Furnish & Install) for 08.11.13 & 08.14.16 only
08B - Glass & Glazing		
08.36.00	Aluminum Overhead Sectional Doors	Complete (Furnish & Install)
08.43.13	Aluminum Framed Storefronts	Complete (Furnish & Install)
08.71.00	Door Hardware	Complete (Furnish & Install) for 08.43.13 entrances only
08.80.00	Glazing	Complete (Furnish & Install)- For all of Division 08
08.87.17	Safety & Security Glazing Films	Complete (Furnish & Install)- For all of Division 08
09A - Painting		
09.21.00	Gypsum Board Assemblies	Complete (Furnish & Install)
09.30.00	Tiling	Complete (Furnish & Install)
09.51.00	Suspended Acoustical Ceilings	Complete (Furnish & Install)
09.65.00	Resilient Flooring	Complete (Furnish & Install)
09.68.13	Tile Carpeting	Complete (Furnish & Install)
09.90.00	Painting & Coating	Complete (Furnish & Install)
10A - Specialties		
10.44.00	Miscellaneous Specialties	Furnish & deliver only
10B - Specialties		
10.44.00	Signage	Furnish & deliver only
12A - Furnishings		
12.36.00	Counterops	Furnish & deliver only
22A - Plumbing		
Division 22	Plumbing	Complete (Furnish & Install)
23A - Mechanical		
Division 23	Heating Ventilating & Air Conditioning	Complete (Furnish & Install)
26A - Electrical		
Division 26	Electrical	Complete (Furnish & Install)
Division 27	Telecommunications	Complete (Furnish & Install)
Division 28	Fire Alarm - Addressable	Complete (Furnish & Install)
31A - Earthwork		
31.10.00	Site Clearing	Complete (Furnish & Install)
31.20.00	Excavation, Fill and Backfill	Complete (Furnish & Install)
31B- Termite Control		
31.31.16	Termite Control	Complete (Furnish & Install)
32A- Concrete Paving		
32.13.13	Concrete Paving	Complete (Furnish & Install)- Paving only, does not include sidewalks.

SECTION 08700 - BUILDERS HARDWARE

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to the work of this section.

1.02 DESCRIPTION OF WORK:

- A. Definition: "Builders Hardware" includes items known commercially as builders hardware which are required for swing doors, except special types of unique and non-matching hardware specified in the same section as the door and door frame. It is intended that the following list of hardware will cover all finish hardware required to complete this project. Omissions and/or discrepancies shall be brought to the Architect's attention during the bidding period. Hardware for labeled openings shall meet UL requirements whether specified herein or not. Types of items in this section include (but are not necessarily limited to):

1. Hinges
2. Lock and latch sets
3. Exit Devices
4. Closers
5. Protection plates
6. Door trim units
7. Thresholds, Weatherstripping, & Door Bottoms
8. Hardware for Aluminum Doors as scheduled
9. Security Hardware as scheduled

- B. Types of Door Stripping and Seals, and Thresholds Include:

1. UL approved perimeter gasketing for interior labeled doors.

- C. General Scope of Application:

1. Use scheduled hardware on doors as indicated on drawings.

- D. Alternates: Verify whether alternate bids affect work of this section.

1.03 QUALITY ASSURANCE:

- A. Manufacturer: Obtain each kind of hardware (latch and lock sets, hinges, closers, etc.) from only one manufacturer, although several may be indicated as offering products complying with requirements.

- B. Supplier: A recognized builders hardware supplier who has been furnishing hardware in the project's vicinity for a period of not less than 2 years, and who is, or employs an experienced hardware consultant who is available, at reasonable times during the course of the work, for consultation about project's hardware requirements, to Owner, Architect and Contractor. Apprentice members are not to be considered as an adequate substitute.
- C. Fire-Rated Openings: Provide hardware for fire-rated openings in compliance with NFPA Standard No. 80. Provide only hardware which has been tested and listed by UL for types and sizes of doors required and complies with requirements of door and door frame labels.

1.04 SUBMITTALS:

- A. Product Data: Submit manufacturers technical information for each item of hardware. Include whatever information may be necessary to show compliance with requirements, and include instructions for installation and for maintenance of operating parts and finish.
- B. Hardware Schedule: Submit final hardware schedule in manner indicated below. Hardware schedules are intended for coordination of work.
 - 1. Final Hardware Schedule Content: Based on builders hardware indicated, organize hardware schedule into "hardware sets" indicating complete designations of every item required for each door or opening. Include the following information:
 - a. Type, style, function, size and finish of each hardware item.
 - b. Name and manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of hardware set cross-referenced to indications on Drawings both on floor plans and in door and frame schedule.
 - e. Explanation of all abbreviations, symbols, codes, etc. contained in schedule.
 - f. Mounting locations for hardware.
 - g. Door and frame sizes and materials.
 - h. Keying information.
 - C. Submittal Sequence: Submit schedule at earliest possible date particularly where acceptance of hardware schedule must precede fabrication of other work (e.g., hollow metal frames) which is critical in the project construction schedule. Include with schedule the product data, samples, shop

drawings of other work affected by builders hardware, and other information essential to the coordinated review of hardware schedule.

- D. Provide Owner with three (3) copies of approved and corrected hardware schedule at substantial completion for maintenance purposes.

1.05 PRODUCT HANDLING:

- A. Packaging of hardware, on a set by set basis, is the responsibility of the supplier. As material is received by the hardware supplier from the various manufacturers, sort and repackage in containers marked with the hardware set number. Two or more identical sets may be packed in the same container.
- B. Inventory hardware jointly with representative of the hardware supplier and the hardware installer until each is satisfied that the count is correct.
- C. Provide secure lock-up for hardware delivered to the project, but not yet installed. Control and handling and installation of hardware items which are not immediately replaceable, so that the completion of the work will not be delayed by hardware losses, both before and after installation.

1.06 JOB CONDITIONS:

- A. Coordination: Coordinate hardware with other work. Tag each item or package separately, with identification related to the final hardware schedule, and include basic installation instructions in the package. Furnish hardware items of proper design for use on doors and frames of the thicknesses, profile, swing, security and similar requirements indicated, as necessary for proper installation and function. Deliver individually packaged hardware items at the proper times to the proper locations (shop or project site) for installation.
- B. Templates: Furnish hardware templates to each fabricator of doors, frames and other work to be factory-prepared for the installation of hardware. Upon request, check the shop drawings of such other work, to confirm that adequate provisions are made for the proper installation of hardware.

PART 2 - PRODUCTS

2.01 SCHEDULED HARDWARE:

- A. Requirements for design, grade, function, finish, size and other distinctive qualities of each type of builders hardware is indicated in the Builders Hardware Data Sheet and Hardware Schedule at the end of this section. Products are identified by using hardware designation numbers of the following.
 - 1. Manufacturer's product designations: One or more manufacturers are listed for each hardware type required. An asterisk (*) after a manufacturer's name indicates whose product

designation is used in the Hardware Schedule for purposes of establishing minimum requirements. Provide either the product designated, or, where more than one manufacturer is listed, the comparable product of one of the other manufacturers which comply with requirements including those specified elsewhere in this section.

2.02 MATERIALS AND FABRICATION:

A. General:

1. Hand of door: The drawings show the direction of slide, swing or hand of each door leaf. Furnish each item of hardware for proper installation and operation of the door movement as shown.
2. Fasteners: Manufacture hardware to conform to published templates, generally prepared for machine screw installation. Do not provide hardware which has been prepared for self-tapping sheet metal screws, except as specifically indicated.
 - a. Furnish screws for installation, with each hardware item. Provide phillips flat-head screws except as otherwise indicated. Finish exposed (exposed under any condition) screws to match the hardware finish or, if exposed in surfaces of other work, to match the finish of such other work as closely as possible, including "prepared for paint" in surfaces to receive painted finish.
 - b. Provide concealed fasteners for hardware units which are exposed when the door is closed, except to the extent no standard units of the type specified are available with concealed fasteners. Do not use through bolts for installation where the bolt head or the nut on the opposite face is exposed in other work, except where it is not feasible to adequately reinforce the work.
3. Tools for Maintenance: Furnish a complete set of specialized tools as needed for Owner's continued adjustment, maintenance, and removal and replacement of builders hardware.
4. All hardware for application to fire-rated doors shall be UL approved and listed, as applies.

2.03 HINGES, BUTTS AND PIVOTS:

A. Hinge Manufacturers or approved equal:

1. Hager
2. McKinney
3. Stanley Hardware

B. Templates: Except for hinges and pivots to be installed entirely (both leaves) into wood doors and frames, provide only template produced units.

- C. Screws: Furnish Phillips flat-head all-purpose or machine screws for installation of units, except furnish Phillips flat-head all-purpose or wood screws for installation of units into wood. Finish screw heads to match surface of hinges or pivots.
- D. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - 1. Steel Hinges: Steel pins.
 - 2. Exterior Doors: Non-removable pins.
 - 3. Interior Doors: Non-rising pins.
 - 4. Tips: Flat button and matching plug, finished to match leaves.
 - 5. Number of hinges: Provide number of hinges indicated but not less than 3 hinges for door leaf for doors 90" or less in height and one additional hinge for each 30" of additional height.

2.04 LOCK CYLINDERS AND KEYING:

- A. General: Supplier will meet with Architect to finalize keying requirements and obtain final instructions in writing.
 - 1. Factory Master Key all locks to the **Sargent Signature Security / Conventional Key System**.
 - 2. Furnish two (2) keys per lock or group of locks, six master keys for each master key set.

2.05 LOCKS, LATCHES AND BOLTS:

- A. Lockset Manufacturers or approved equal:
 - 1. Sargent (No Substitution)
- B. All knobs, levers, roses, escutcheons, locksets, privacy sets, passage sets, deadlocks, rim cylinders, and mortise cylinders shall be the products of one manufacturer and be factory grand master keyed to the **Sargent Signature Security / Conventional Key System**. Keyed cylinders of one manufacturer will not be acceptable in another manufacturers' locksets. Lever design shall match the lever design of the Exit Device Trim.
- C. All locksets shall be **SARGENT T-ZONE 11-LINE & 8200 Mortise Latches** as herein scheduled.

- D. The locksets shall be able to withstand 2400 inch pounds of torque applied to the locked outside lever without gaining access.
- E. Locksets shall be cycle tested per ANSI A156.2, 1996, to two million cycles without visible lever sag.
- F. Locksets shall be able to fit a standard 2-1/8" (55 mm) bore (161 prep) without the use of thru-bolts. Standard rose size shall be 2-3/4" (70 mm) diameter.
- G. Latchbolt assemblies must be encased within the lock body.
- H. Locksets shall have a ten year limited factory warranty.

2.06 PANIC EXIT DEVICES:

A. Panic Exit Device Manufacturers or approved equal:

1. Sargent - No Substitution
- B. Provide exit devices all of which are the product of a single manufacturer complying with performance tests of Underwriter's Laboratories Standard UL 305 and ANSI Grade 1, and listed in the Accident Equipment List of UL. Construct exit devices so that exposed parts are of stainless steel base material.
 - C. All exit devices shall be heavy duty push rail and cast chassis type construction. Mounting rails shall be formed from a solid single piece of stainless steel of no less than 0.072" thick. Push Rails shall be constructed of 0.062" thick material in the same manner as the mounting rail. **Painted or anodized aluminum exit devices shall not be considered heavy duty and are not acceptable.** Provide protective Lexan touchpad on the exit device push rail to prevent scratches and serve as a visible guide to the user. Push rail shall travel in the direction of door swing. All exit devices shall have a maximum of a three (3") inch projection in the non-dogged or retracted position.
 - D. All chassis shall be a heavy duty cast design with one piece drawn non ferrous removable covers matching the material of the push and mounting rails. The cast chassis design shall distribute the load on the door surface, eliminating sharp narrow surfaces which may dig into the door face as with stamped steel chassis. Stamped steel chassis are not acceptable. The design of the device shall eliminate the necessity of removing the device from the door for standard maintenance of keying changes. The chassis must be mounted and operable without the need of the rail or the chassis cover to avoid subjecting the finished portions of the device to abuse during construction.
 - E. Exit trim shall be thru-bolted thru door. Exit Device operating lever trim shall withstand 1000 inch pounds of torque without allowing access. **All lever trim shall be available in architectural finishes and designs to match that of the locksets specified.** Levers on exit devices shall be Free-Wheeling Mortise Trim which allows the outside lever handle to swing freely, up to 70-degrees in

the “locked” mode to eliminate “resetting” the trim after vandalism attempts because the lever automatically returns to its original position.

- F. Open end of pushrail shall be closed tightly at all times with a metal end cap formed from the same base metal as the push and mounting rails.

2.07 CLOSERS:

- A. All closers shall be SARGENT 281 series. Shall be full rack and pinion construction of one-piece cast iron. Shall be surface-mounted and non-handed, with multi-size spring power adjustment to permit field setting of power from size (1 thru 6) to comply with ADA. An increase of 15% in closing power shall be provided by means of adjustment of the arm leverage at the foot connection (Standard Arm). Separate regulating valves shall be provided for backcheck, closing, and latching speed. All Arms shall be finely finished with heavy duty forged steel main arm. The spindle shaft shall be sealed hydraulically with an "O" Ring.
- B. Compression Stop & Stop / Holder Arms shall incorporate a rubber stop to absorb and cushion much of the force which occurs in abusive door use.
- C. Shall be provided with full covers of high impact plastic material of flame retardant grade and full metal covers at the high security doors as herein specified.
- D. All closer arms shall be properly indexed to body spindle prior to tightening arm assembly. Closer shall then be adjusted to existing usage conditions. Closer shall allow door to close smoothly and latch, and backcheck shall cushion the opening of door only not stop the door. **Mount closers for 180 degree swing whenever possible. Supply drop plates at narrow top rail doors. All closers shall be installed precisely per manufacturers installation and adjustment instructions. Closer arms shall be properly INDEXED TO THE CLOSER BODY, then sized according to door size and location, then ADJUSTED for BACKCHECK, CLOSING, & LATCHING SPEEDS.**
- E. Closers Manufacturer or approved equal:

- 1. Sargent - No Substitution

2.08 MISCELLANEOUS HARDWARE ITEMS:

- A. Wall & Floor Stops Manufacturer or approved equal:
 - 1. Trimco
 - 2. Rockwood

2.09 HARDWARE FINISHES:

DOOR HARDWARE

- A. Provide matching finishes for hardware units at each door or opening, to the greatest extent possible, and except as otherwise indicated. Reduce differences in color and textures as much as commercially possible where the base metal or metal forming process is different for individual units of hardware exposed at the same door or opening. In general, match items to the manufacturer's standard finish for the latch and lock set for color and texture.
- B. Provide US10B, US26, US32, EB, and EN finish, unless otherwise indicated.
- C. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness and other qualities complying with manufacturer's standards, but in no case less than specified for the applicable units of hardware by referenced standards.
- D. The designations used in schedules and elsewhere to indicate hardware finished are those listed in "Materials & Finishes Standard 1301" by BHMA, including coordination with the traditional U.S. finishes shown by certain manufacturers for their products.
- E. Spray paint door closers to match hardware finish or as directed by Architect

PART 3 - EXECUTION

3.01 PREPARATION:

- A. Provide necessary copies of schedules and templates in ample time to avoid fabrication and construction delays.
- B. Provide Key Control System Installer with one approved copy of hardware schedule and keying instructions.

3.02 INSTALLATION:

- A. Mount hardware units at heights indicated in "Recommended Locations for Builders Hardware for Custom Steel Doors and Frames" by the Door and Hardware Institute, except as specifically indicated or required to comply with governing regulations and except as otherwise directed by Architect.
- B. Install each hardware item in compliance with the manufacturer's instructions and recommendations. Wherever cutting and fitting is required to install hardware onto or into surfaces which are later to be painted or finished in another way, coordinate removal, storage and reinstallation or application of surface protections with finishing work specified in the Division-9 sections. Do not install surface-mounted items until finishes have been completed on the substrate.
- G. Set units level, plumb and true to line and location. Adjust and reinforce the attachment substrate as necessary for proper installation and operation.

- D. Drill and countersink units which are not factory-prepared for anchorage fasteners. Space fasteners and anchors in accordance with industry standards.
- F. **Mount closers for 180 degree swing whenever possible. Supply drop plates at narrow top rail doors. All closers shall be installed precisely per manufacturers installation and adjustment instructions. Closer arms shall be properly INDEXED TO THE CLOSER BODY, then sized according to door size and location, then ADJUSTED for BACKCHECK, CLOSING, & LATCHING SPEEDS.**
- G. **Important:** hardware installer shall save installation instructions, factory provided installation tools, and any adjustment instructions and present to owners representative upon project completion, to allow owner to service the door hardware provided within this schedule

3.03 ADJUST AND CLEAN:

- A. Adjust and check each operating item of hardware and each door, to ensure proper operation or function of every unit. Replace units which cannot be adjusted to operate freely and smoothly as intended for the application made.
- B. Final Adjustment: Wherever hardware installation is made more than one month prior to acceptance or occupancy of a space or area, return to the work during the week prior to acceptance or occupancy, and make final check and adjustment of all hardware items in such space or area. Clean operating items as necessary to restore proper function and finish of hardware and doors.
 - 1. Instruct Owner's Personnel in proper adjustment and maintenance of hardware and hardware finishes, during the final adjustment of hardware.
- C. **All closers shall be sized according to door size and location, then ADJUSTED for BACKCHECK, CLOSING, & LATCHING SPEEDS to compensate for final operation of heating and ventilating equipment.**
- D. Continued Maintenance Service: Approximately six months after the acceptance of hardware in each area, the Installer, accompanied by the representative of the latch and lock manufacturer, shall return to the project and readjust every item of hardware to restore proper function of doors and hardware. Consult with and instruct Owner's personnel in recommended additions to the maintenance procedures. Replace hardware items which have deteriorated or failed due to faulty design, materials or installation of hardware units. Prepare a written report of current and predictable problems (of substantial nature) in the performance of the hardware.

3.04 Hardware Schedule:

Electric Wall Plates:

SPN-5936 OPERATION: unit is a 3 gang wall plate consisting of 5 SPDT momentary green push buttons over 5 DPDT maintained green push buttons which light up. depressing one of the momentary push buttons will release electric strike at first electric door to allow momentary unlocking for ingress. depressing one of the maintained lighted push buttons will release electric strike at second electric door to allow maintained unlocking for ingress. this operation is identical for third and fourth doors. The fifth button is extra for future use.

CP1-1243 OPERATION: unit is a 4 gang wall plate consisting of 6 SPDT momentary green push buttons over 6 DPDT maintained green push buttons which light up. depressing one of the momentary push buttons will release electric strike at first electric door to allow momentary unlocking for ingress. depressing one of the maintained lighted push buttons will release electric strike at second electric door to allow maintained unlocking for ingress. this operation is identical for third and fourth doors. The fifth button is extra for future use.

The maintained DPDT and the momentary SPDT will be wired in parallel to both electric strikes at the pair of doors it is dedicated to unlocking, thus allowing either pushbutton to control the electric strikes

NOTE: the two wires for the lights draw 10 milliamps and can be wired to any power supplies. each switching putton shall be wired to the power supply controlling the electric locking hardware for each opening

1	EA	Wall Plate 3G	SPN-5936..24V..5 momentary over 5 maintained lighted	GRN/RED Alarm Controls Corp
		elementary reception		
2	EA	Wall Plate 4G	CP1-1243..24V..6 momentary over 6 maintained lighted	GRN/RED Alarm Controls Corp
		wiley & middle school reception		

Hardware Installer Requirements:

IMPORTANT: hardware installer shall save installation instructions, factory provided installation tools, and any adjustment instructions and present to owners representative upon project completion, to allow owner to service the door hardware provided within this schedule

Keying Requirements:

		Key system:	existing SARGENT SIGNATURE / CONVENTIONAL	Sargent
	EA	VKC GMK/MK	Keyset/File No + Do Not Duplicate	Sargent
	EA	VKC CKYS 10-	Keyset + Do Not Duplicate	Sargent
	EA	VKC CKYS STD	Keyset + Do Not Duplicate	Sargent
1	EA	Bitting list:	shall include present changes	Sargent

		Keying charges:	21- construction key x masterkey all cylinders	Sargent
2	EA	Xtra Change key	per lock or exit device or cylinder	Sargent
6	EA	Masterkeys:	MK-??....10-S6272MK	Sargent
6	EA	Masterkeys:	MK-??....10-S6272MK	Sargent
6	EA	Masterkeys:	MK-??....10-S6272MK	Sargent
16	EA	Const keys:	CMK....10-S6272CMK	Sargent
		for all jobs		
100	EA	Keyblanks:	10--S6275....keyway on order...signature..50 per box	Sargent

Owners Extra Hardware:

NOTE: upon completion of project general contractor shall present to the owner all scheduled owners extra hardware for safe keeping for future additions or emergencies

1	EA	Electric Strike	8000-801A....12/24VDC....non-rated cyl latches	629	Hes Inc
1	EA	Electric Strike	9400....12/24VDC....rim exit x low profile	629	Hes Inc
1	EA	Electric Strike	9600....12/24VDC....rim exit x non-rated	629	Hes Inc
2	EA	El Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
1	EA	Power Supply	BPS-24-1 {locate in easy access location}		Securitron
1	EA	Key Cabinet	201-8120-03 {two tag 120 capacity}		MMF Industries

Hardware Set / Door Number A100A

INGRESS: pull doors open
EGRESS: exit device pushrails

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
2	EA	Dummy Exit Rail	8893F....inactive dummy rail	32	Sargent
2	EA	Exit Trim	810...FLW...DT....dummy pull	32	Sargent
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
1	EA	Closer/Parallel	TB...281...P10	EB	Sargent
		LHR door			
1	EA	Closer/Pa/Stop	TB...281...CPS	EB	Sargent
		RHR door			
1	EA	Wall Stop	409	26	Rockwood
		LHR door			

Hardware Set / Door Number A100B

INGRESS: pull doors open
EGRESS: exit device pushrails

Each to Receive:

1	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Dummy Exit Rail	8893F....inactive dummy rail	32	Sargent
1	EA	Exit Trim	810...FLW...DT....dummy pull	32	Sargent
1	EA	Drop Plate	281-D	EB	Sargent
1	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent

DOOR HARDWARE

08 7100- 11

1	EA	Closer/Parallel	TB...281...P10	EB	Sargent
1	EA	Wall Stop	409	26	Rockwood

Hardware Set / Door Number A100C

INGRESS: dogging exit rails allows doors to be pulled open
 EGRESS: exit devices

Each to Receive:

1	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Pull	105....type 6R.....i/s face above exit dev chassis	32	Rockwood
1	EA	Drop Plate	281-D	EB	Sargent
1	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
1	EA	Closer/Parallel	TB...281...P10	EB	Sargent
1	EA	Wall Stop	409	26	Rockwood
1	EA	Threshold H/C	2005AVK..36"....provide 7/16" door undercut	Pemkote	Pemko
1	EA	Door Btm Sweep	345DV..36"	Duranod	Pemko

Hardware Set / Door Number A100D

INGRESS: momentary key retracts latchbolt then pull door open OR dogging exit rails allows doors to be pulled open
 EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Keyed Rem Mull	90KRx7....requires rim cylinder	USP	Detex Corp
2	EA	Removable Mull	finish - bronze to match sample		*****
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
1	EA	RHR door Rim Cylinder	21...10...34...97	10B	Sargent
		install into mullion			
2	EA	Pull	105....type 6R.....i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
1	EA	Closer/Parallel	TB...281...P10	EB	Sargent
1	EA	LHR door Closer/Pa/Stop	TB...281...CPS	EB	Sargent
1	EA	RHR door Wall Stop	409	26	Rockwood
1	EA	LHR door Threshold H/C	2005AVK..72"....provide 7/16" door undercut	Pemkote	Pemko
2	EA	Door Btm Sweep	345DV..36"	Duranod	Pemko

Hardware Set / Door Number A102A

INGRESS: key locks / unlocks lever
 EGRESS: exit device

Each to Receive:

4	EA	Hvy Wt Hinges	T4A3386-SP 4.5 x 4	32	McKinney
1	EA	VRED Shelter	21...12...FM8713F...ETJ...659/653...38" C/L AFF	32	Sargent
1	EA	Closer/Parallel	TB...281...P10	EN	Sargent
1	EA	Kickplate	K1050....10" x 34.5" x B4E....verify existing height	32	Rockwood
1	EA	El Wall Holder	EM504..24120....tri-voltage x connect to fire alarm	689	Dorma
1	EA	Gasketing	S88D17	Dk Brz	Pemko

Hardware Set / Door Number A102B

INGRESS: none
EGRESS: exit device

Each to Receive:

4	EA	Hvy Wt Hinges	T4A3386-SP 4.5 x 4 NRP	32	McKinney
1	EA	VRED Shelter	12...FM8710F...659/653...38" device C/L AFF	32	Sargent
1	EA	Closer/Pa/Stop	TB...281...CPS	EN	Sargent
1	EA	Threshold H/C	2005AVK..36"....provide 7/16" door undercut	Pemkote	Pemko
1	SET	Weatherstrip	45041CNB..3070	Clear	Pemko
1	SET	Header Seal	347A..68AR..40"....ext top of frame & door	Mill	Pemko
1	EA	Door Btm Sweep	345AV..36"	Clear	Pemko
3	EA	Silencers	608....metal frames	Gray	Rockwood

Hardware Set / Door Number A102C

Each to Receive:

6	EA	Hvy Wt Hinges	T4A3386-SP 4.5 x 4	32	McKinney
2	EA	Shutter Latch	FM6115...ECJ...(60" opng ht)	26	Sargent
2	EA	Closer/Std/Trak	TB...281...OT	EN	Sargent
2	EA	El Wall Holder	EM504..24120....tri-voltage x connect to fire alarm	689	Dorma
1	EA	Gasketing	S88D21	Dk Brz	Pemko
1	EA	Edge Gasketing	S771D9....apply to lock edge of one door	Dk Brz	Pemko

Hardware Set / Door Number E114

INGRESS: momentary key retracts latchbolt then pull door open OR dogging exit rails allows doors to be pulled open
EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Keyed Rem Mull	90KRx7....requires rim cylinder	USP	Detex Corp
2	EA	Removable Mull	finish - bronze to match sample		*****
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
1	EA	RHR door Rim Cylinder	21...10...34...97	10B	Sargent
2	EA	install into mullion Pull	105....type 6R.....i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent

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2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
2	EA	Closer/Pa/Stop	TB...281...CPS	EB	Sargent
1	EA	Threshold H/C	2005AVK..72"....provide 7/16" door undercut	Pemkote	Pemko
2	EA	Door Btm Sweep	345DV..36"	Duranod	Pemko

Hardware Set / Door Number E120

INGRESS: momentary key retracts latchbolt then pull door open OR dogging exit rails allows doors to be pulled open
 EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Keyed Rem Mull	90KRx7....requires rim cylinder	USP	Detex Corp
1	EA	Removable Mull	finish - bronze to match sample		*****
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
		RHR door			
1	EA	Rim Cylinder	21...10...34...97	10B	Sargent
		install into mullion			
2	EA	Pull	105....type 6R.....i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
2	EA	Closer/Parallel	TB...281...P10	EB	Sargent
2	EA	Wall Stop	409	26	Rockwood
1	EA	Threshold H/C	2005AVK..72"....provide 7/16" door undercut	Pemkote	Pemko
2	EA	Door Btm Sweep	345DV..36"	Duranod	Pemko

Hardware Set / Door Number E121

INGRESS: momentary key retracts latchbolt then pull door open OR dogging exit rails allows doors to be pulled open
 EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Keyed Rem Mull	90KRx7....requires rim cylinder	USP	Detex Corp
1	EA	Removable Mull	finish - bronze to match sample		*****
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
		RHR door			
1	EA	Rim Cylinder	21...10...34...97	10B	Sargent
		install into mullion			
2	EA	Pull	105....type 6R.....i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
2	EA	Closer/Parallel	TB...281...P10	EB	Sargent
2	EA	Wall Stop	409	26	Rockwood
1	EA	Threshold H/C	2005AVK..72"....provide 7/16" door undercut	Pemkote	Pemko
2	EA	Door Btm Sweep	345DV..36"	Duranod	Pemko

Hardware Set / Door Number E122A

INGRESS: momentary key retracts latchbolt then pull door open OR push button @ reception releases electric strikes OR dogging exit rails allows doors to be pulled open

EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Elec Keyed Mull	90KREx8....remove harness before prepping	USP	Detex Corp
1	EA	Removable Mull	finish - bronze to match sample		*****
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
		RHR door			
1	EA	Rim Cylinder	21...10...34...97	10B	Sargent
		install into mullion			
2	EA	Electric Strike	9600....12/24VDC....rim exit x non-rated	629	Hes Inc
2	EA	El Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
2	EA	Pull	105....type 6R.....i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
2	EA	Closer/Parallel	TB...281...P10	EB	Sargent
1	EA	Threshold H/C	2005AVK...72"....provide 7/16" door undercut	Pemkote	Pemko
2	EA	Door Btm Sweep	345DV..36"	Duranod	Pemko
1	EA	Power Supply	BPS-24-2 {locate in easy access location}		Securitron

Hardware Set / Door Number E122B

INGRESS: dogging exit rails allows doors to be pulled open

EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Elec Keyed Mull	90KREx8....remove harness before prepping	USP	Detex Corp
1	EA	Removable Mull	finish - bronze to match sample		*****
2	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Cylinder	21...10...34...97	10B	Sargent
		install into mullion			
2	EA	Pull	105....type 6R.....i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
2	EA	Closer/Parallel	TB...281...P10	EB	Sargent
1	EA	Threshold H/C	2005AVK...72"....provide 7/16" door undercut	Pemkote	Pemko
2	EA	Door Btm Sweep	345DV..36"	Duranod	Pemko

Hardware Set / Door Number E122C

INGRESS: momentary key retracts latchbolt then pull door open OR push button @ reception releases electric strikes OR dogging exit rails allows doors to be pulled open

EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Elec Keyed Mull	90KREx8....remove harness before prepping	USP	Detex Corp

1	EA	Removable Mull	finish - bronze to match sample		*****
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
		RHR door			
1	EA	Rim Cylinder	21...10...34...97	10B	Sargent
		install into mullion			
2	EA	Electric Strike	9600...12/24VDC...rim exit x non-rated	629	Hes Inc
2	EA	EI Strike Accy	2005M3...smart pac III in-line power controller		Hes Inc
2	EA	Pull	105...type 6R...i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
2	EA	Closer/Pa/Stop	TB...281...CPS	EB	Sargent
1	EA	Power Supply	BPS-24-2 {locate in easy access location}		Securitron

Hardware Set / Door Number E122D

INGRESS: dogging exit rails allows doors to be pulled open

EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK...verify with door supplier	Duranod	Pemko
1	EA	Elec Keyed Mull	90KREx8...remove harness before prepping	USP	Detex Corp
1	EA	Removable Mull	finish - bronze to match sample		*****
2	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Cylinder	21...10...34...97	10B	Sargent
		install into mullion			
2	EA	Pull	105...type 6R...i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
1	EA	Closer/Parallel	TB...281...P10	EB	Sargent
		RHR door			
1	EA	Closer/Pa/Stop	TB...281...CPS	EB	Sargent
		LHR door			
1	EA	Wall Stop	409	26	Rockwood
		RHR door			

Hardware Set / Door Number E123A

INGRESS: key locks or unlocks either lever OR push button @ reception releases electric strikes

EGRESS: depress lever

Each to Receive:

1	EA	Cont Hinge	DFM83HD1..TEK...verify with door supplier	Duranod	Pemko
1	EA	Communicat Lock	21...10...28...11G30...EJ...WBS	26	Sargent
1	EA	Electric Strike	8000-801A...12/24VDC...non-rated cyl latches	629	Hes Inc
1	EA	EI Strike Accy	2005M3...smart pac III in-line power controller		Hes Inc
1	EA	Drop Plate	281-D	EB	Sargent
1	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
1	EA	Closer/Pa/Stop	TB...281...CPS	EB	Sargent

1	EA	Power Supply	BPS-24-1 {locate in easy access location}	Securitron
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Hardware Set / Door Number E123B

INGRESS: key locks or unlocks either lever OR push button @ reception releases electric strikes
 EGRESS: depress lever

Each to Receive:

1	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Communicat Lock	21...10...28...11G30...EJ...WBS	26	Sargent
1	EA	Electric Strike	8000-801A....12/24VDC....non-rated cyl latches	629	Hes Inc
1	EA	EI Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
1	EA	Drop Plate	281-D	EB	Sargent
1	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
1	EA	Closer/Pa/Stop	TB...281...CPS	EB	Sargent
1	EA	Power Supply	BPS-24-1 {locate in easy access location}	Securitron	

Hardware Set / Door Number E124

Each to Receive:

3	EA	Hvy Wt Hinges	T4A3786 4.5 x 4.5 {NRP}	26	McKinney
1	EA	Keypad Lock	21...KP...8278...LNJ...WBS....key override	26	Sargent
1	EA	Closer/Parallel	TB...281...P10	EN	Sargent
1	EA	Kickplate	K1050....10" x 34.5" x B4E....verify existing height	32	Rockwood
1	EA	Wall Stop	409	26	Rockwood
3	EA	Silencers	608....metal frames	Gray	Rockwood

Hardware Set / Door Number E128

INGRESS: momentary key retracts latchbolt then pull door open OR dogging exit rails allows doors to be pulled open
 EGRESS: exit devices

Each to Receive:

2	EA	Cont Hinge	DFM83HD1..TEK....verify with door supplier	Duranod	Pemko
1	EA	Keyed Rem Mull	90KRx7....requires rim cylinder	USP	Detex Corp
2	EA	Removable Mull	finish - bronze to match sample		*****
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
1	EA	RHR door Rim Cylinder	21...10...34...97	10B	Sargent
2	EA	install into mullion Pull	105....type 6R....i/s face above exit dev chassis	32	Rockwood
2	EA	Drop Plate	281-D	EB	Sargent
2	SET	Closer accessry	581-2...blade stop spacer kit for HD arms	EB	Sargent
2	EA	Closer/Pa/Stop	TB...281...CPS	EB	Sargent
2	EA	Floor Stop	483	26	Rockwood
1	EA	Threshold H/C	2005AVK..72"....provide 7/16" door undercut	Pemkote	Pemko
2	EA	Door Btm Sweep	345DV..36"	Duranod	Pemko

Hardware Set / Door Number M100A

INGRESS: key locks or unlocks either lever OR push button @ reception releases electric strikes
EGRESS: depress lever

Each to Receive:

3	EA	Hvy Wt Hinges	T4A3786 4.5 x 4.5 {NRP}	26	McKinney
1	EA	Communicat Lock	21...10...28...11G30...EJ...WBS	26	Sargent
1	EA	Electric Strike	8000-801...12/24VDC...non-rated cyl latches	629	Hes Inc
1	EA	El Strike Accy	2005M3...smart pac III in-line power controller		Hes Inc
1	EA	Closer/Pa/Stop	TB...281...CPS	EN	Sargent
1	EA	Kickplate	K1050...10" x 34.5" x B4E...verify existing height	32	Rockwood
3	EA	Silencers	608...metal frames	Gray	Rockwood
1	EA	Power Supply	BPS-24-1 {locate in easy access location}		Securitron

Hardware Set / Door Number M100B

INGRESS: momentary key retracts latchbolt then pull door open OR push button @ reception releases electric strikes OR dogging exit rails allows doors to be pulled open
EGRESS: exit devices
VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule
NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Elec Keyed Mull	90KREx8...remove harness before prepping	USP	Detex Corp
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
		LHR door			
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
		RHR door			
1	EA	Rim Cylinder	21...10...34...97	10B	Sargent
		@ mullion			
2	EA	Electric Strike	9600...12/24VDC...rim exit x non-rated	629	Hes Inc
2	EA	El Strike Accy	2005M3...smart pac III in-line power controller		Hes Inc
4	EA	Cover Plate	70RCM...4-1/4" x 18"....verify size	313/628	Rockwood
1	EA	Power Supply	BPS-24-2 {locate in easy access location}		Securitron

Hardware Set / Door Number M100C

INGRESS: dogging exit rails allows doors to be pulled open
EGRESS: exit devices
VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule
NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
2	EA	Cover Plate	70RCM...4-1/4" x 18"....verify size	313/628	Rockwood

Hardware Set / Door Number M100D

INGRESS: dogging exit rails allows doors to be pulled open
EGRESS: exit devices
VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule
NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
2	EA	Cover Plate	70RCM...4-1/4" x 18"....verify size	313/628	Rockwood

Hardware Set / Door Number M100E

INGRESS: push button @ reception releases electric strikes OR dogging exit rails allows doors to be pulled open

EGRESS: exit devices

VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule

NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Electric Strike	9600....12/24VDC....rim exit x non-rated	629	Hes Inc
1	EA	EI Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
2	EA	Cover Plate	70RCM...4-1/4" x 18"....verify size	313/628	Rockwood
1	EA	Power Supply	BPS-24-1 {locate in easy access location}		Securitron

Hardware Set / Door Number M100F

INGRESS: push button @ reception releases electric strikes OR dogging exit rails allows doors to be pulled open

EGRESS: exit devices

VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule

NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Elec Keyed Mull	90KREx8....remove harness before prepping	USP	Detex Corp
1	EA	Rim Exit Device LHR door	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device RHR door	21...10...16...8804F...FSW...649	32	Sargent
1	EA	Rim Cylinder @ mullion	21...10...34...97	10B	Sargent
2	EA	Electric Strike	9600....12/24VDC....rim exit x non-rated	629	Hes Inc
2	EA	EI Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
4	EA	Cover Plate	70RCM...4-1/4" x 18"....verify size	313/628	Rockwood
1	EA	Power Supply	BPS-24-2 {locate in easy access location}		Securitron

Hardware Set / Door Number M100G

INGRESS: key locks or unlocks either lever OR push button @ reception releases electric strikes

EGRESS: depress lever

Each to Receive:

1	EA	Storeroom Lock	21...10...8204...LW1J...WBS	26	Sargent
		verify with existing			
1	EA	Electric Strike	8500....851M....12/24VDC....8200 latches	629	Hes Inc
1	EA	EI Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
1	EA	Power Supply	BPS-24-1 {locate in easy access location}		Securitron

Hardware Set / Door Number W100A

INGRESS: dogging exit rails allows doors to be pulled open

EGRESS: exit devices
 VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule
 NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
2	EA	Cover Plate	70RCM...4-1/4" x 18"....verify size	313/628	Rockwood

Hardware Set / Door Number W100B

INGRESS: momentary key retracts latchbolt then pull door open OR push button @ reception releases electric strikes OR dogging exit rails allows doors to be pulled open

EGRESS: exit devices
 VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule
 NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Elec Keyed Mull	90KREx8....remove harness before prepping	USP	Detex Corp
		contractor to job paint			
1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
		LHR door			
1	EA	Rim Exit Device	21...10...16...8804F...FSW...649	32	Sargent
		RHR door			
1	EA	Rim Cylinder	21...10...34...97	26	Sargent
		@ mullion			
2	EA	Electric Strike	9600....12/24VDC....rim exit x non-rated	629	Hes Inc
2	EA	EI Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
4	EA	Cover Plate	70RCM...4-1/4" x 18"....verify size	313/628	Rockwood
1	EA	Power Supply	BPS-24-2 {locate in easy access location}		Securitron

Hardware Set / Door Number W100C

INGRESS: momentary key retracts latchbolt then pull door open OR push button @ reception releases electric strikes OR dogging exit rails allows doors to be pulled open

EGRESS: exit devices
 VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule
 NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Electric Strike	9600....12/24VDC....rim exit x non-rated	629	Hes Inc
1	EA	EI Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
2	EA	Cover Plate	70RCM...4-1/4" x 18"....verify size	313/628	Rockwood
1	EA	Power Supply	BPS-24-1 {locate in easy access location}		Securitron

Hardware Set / Door Number W100D

INGRESS: momentary key retracts latchbolt then pull door open OR push button @ reception releases electric strikes OR dogging exit rails allows doors to be pulled open

EGRESS: exit devices
 VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule
 NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Elec Keyed Mull contractor to job paint	90KREx8....remove harness before prepping	USP	Detex Corp
1	EA	Rim Exit Device LHR door	21...10...16...8810F...FLW...649	32	Sargent
1	EA	Rim Exit Device RHR door	21...10...16...8804F...FSW...649	32	Sargent
1	EA	Rim Cylinder @ mullion	21...10...34...97	26	Sargent
2	EA	Electric Strike	9600....12/24VDC....rim exit x non-rated	629	Hes Inc
2	EA	El Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
4	EA	Cover Plate	70RCM....4-1/4" x 18"....verify size	313/628	Rockwood
1	EA	Power Supply	BPS-24-2 {locate in easy access location}		Securitron

Hardware Set / Door Number W100E

INGRESS: dogging exit rails allows doors to be pulled open

EGRESS: exit devices

VERIFY: existing hardware, preps, functions, and trim types prior to approval of hardware schedule

NOTE: reuse balance of existing hardware

Each to Receive:

1	EA	Rim Exit Device	21...10...16...8810F...FLW...649	32	Sargent
2	EA	Cover Plate	70RCM....4-1/4" x 18"....verify size	313/628	Rockwood

Hardware Set / Door Number W100F

INGRESS: key locks or unlocks either lever OR push button @ reception releases electric strikes

EGRESS: depress lever

Each to Receive:

3	EA	Hvy Wt Hinges	TA786 4.5 x 4.5 {NRP}	26	McKinney
1	EA	Storeroom Lock	21...8204...FEJ...WBS	26	Sargent
1	EA	Electric Strike	8500....851M....12/24VDC....8200 latches	629	Hes Inc
1	EA	El Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
1	EA	Closer/Pa/Stop	TB...281...CPS	EN	Sargent
1	EA	Kickplate	K1050....10" x 34.5" x B4E....verify existing height	32	Rockwood
3	EA	Silencers	608....metal frames	Gray	Rockwood
1	EA	Power Supply	BPS-24-1 {locate in easy access location}		Securitron

Hardware Set / Door Number W101

INGRESS: momentary key OR push button @ reception releases electric strikes

EGRESS: depress lever

Each to Receive:

1	EA	Storeroom Lock verify with existing	21...8204...FEJ...WBS	26	Sargent
1	EA	Electric Strike	8500....851M....12/24VDC....8200 latches	629	Hes Inc
1	EA	El Strike Accy	2005M3....smart pac III in-line power controller		Hes Inc
1	EA	Power Supply	BPS-24-1 {locate in easy access location}		Securitron

Hardware Set / Door Number W102

DOOR HARDWARE

Safety and Security Upgrades to USD
363 Holcomb Schools 201721

08 7100- 21

Each to Receive:					
1	EA	Office Lock	21...8205...FEJ...WBS	26	Sargent
1	EA	Wall Stop	409	26	Rockwood
3	EA	Silencers	608....metal frames	Gray	Rockwood

Hardware Set / Door Number W114A

Each to Receive:					
8	EA	Hvy Wt Hinges	T4A3386--SP 5 x 4	32	McKinney
2	EA	VRED Shelter	12...FM8715G...ETJ...659/653...38" device C/L AFF	32	Sargent
2	EA	Closer/Parallel	TB...281...P10	EN	Sargent
2	EA	EI Wall Holder	EM504..24120....tri-voltage x connect to fire alarm	689	Dorma
1	EA	Gasketing	S88D25	Dk Brz	Pemko
1	EA	Edge Gasketing	S771D9....apply to lock edge of one door	Dk Brz	Pemko

Hardware Set / Door Number W114B

Each to Receive:					
6	EA	Hvy Wt Hinges	T4A3386--SP 5 x 4	32	McKinney
2	EA	VRED Shelter	12...FM8715G...ETJ...659/653...38" device C/L AFF	32	Sargent
2	EA	Closer/Parallel	TB...281...P10	EN	Sargent
2	EA	EI Wall Holder	EM504..24120....tri-voltage x connect to fire alarm	689	Dorma
1	EA	Gasketing	S88D25	Dk Brz	Pemko
1	EA	Edge Gasketing	S771D9....apply to lock edge of one door	Dk Brz	Pemko

Hardware Set / Door Number W115A

Each to Receive:					
8	EA	Hvy Wt Hinges	T4A3386--SP 5 x 4	32	McKinney
2	EA	VRED Shelter	12...FM8715G...ETJ...659/653...38" device C/L AFF	32	Sargent
2	EA	Closer/Parallel	TB...281...P10	EN	Sargent
2	EA	EI Wall Holder	EM504..24120....tri-voltage x connect to fire alarm	689	Dorma
1	EA	Gasketing	S88D25	Dk Brz	Pemko
1	EA	Edge Gasketing	S771D9....apply to lock edge of one door	Dk Brz	Pemko

Hardware Set / Door Number W115B

Each to Receive:					
6	EA	Hvy Wt Hinges	T4A3386--SP 5 x 4	32	McKinney
2	EA	VRED Shelter	12...FM8715G...ETJ...659/653...38" device C/L AFF	32	Sargent
2	EA	Closer/Parallel	TB...281...P10	EN	Sargent
2	EA	EI Wall Holder	EM504..24120....tri-voltage x connect to fire alarm	689	Dorma
1	EA	Gasketing	S88D25	Dk Brz	Pemko
1	EA	Edge Gasketing	S771D9....apply to lock edge of one door	Dk Brz	Pemko