

REGAN YOUNG ENGLAND BUTERA
REFERENDUMS • ENGINEERING • ARCHITECTURE • DESIGN

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ADDENDUM - 01

DATE: Tuesday, 19 March 2019
FROM:Angelo P. Butera, AIA
VIA:Facsimile

SUBJECT:
RYEB Project #5563C
LINDENWOLD BOE
LMS GYM HVAC RENOVATION & LOCKER
ROOM ALTERATIONS
NJDOE SP#: 2670-090-14-1006-G04

This addendum is issued to clarify, correct or supplement the Documents as originally issued and will become a part of the Contract. Receipt thereof shall be acknowledged by Bidders in space provided in the Form of Bid. Failure to acknowledge this Addendum on the official Form of Bid may be cause for rejection of Bid.

- 1.01. Clarification: Bidder shall correlate the all required documents in the order listed on the Form of Bid & place an “X” in the box next to each item provided. Failure to provide all required documents and required number of copies may be cause for disqualification and rejection of bid.
- 1.02 Clarification: As per PAYMENTS TO CONTRACTOR found in Section 001000 - Instruction to Bidders, this project is part of the District’s 2019-2020 Budget and so the purchase order shall be dated 01 July 2019. Payment applications can be submitted with the understanding that the Lindenwold Board of Education will approve the first payment at their July 2019 Board of Education meeting. No payments under this Contract shall be authorized prior to these dates.
- 1.03 Replace: Section 081000 “Door Schedule” in its entirety with the attached revised Door Schedule dated 19 Mar 19 and consisting of one page.
- 1.04 Replace: The two Section 087100 “Door Hardware” in their entirety with the attached “Revised” Door Hardware dated 19 Mar 19 and consisting of 14 pages.
- 1.05 The list of current plan holders and addenda can be found at www.ryebread.com under the “Bidding” tab.

Including this page, Addendum 01 consists of (16) page(s).

END OF ADDENDUM 01

DOOR SCHEDULE Revised 19 Mar 19

DOOR													FRAME				RATING (MIN)		THRESHOLD	HDM SET	REMARKS
NUMBER	TYPE	WIDE	HEIGHT	THICKNESS	MATERIAL	GLAZING	TYPE	WIDE	HEIGHT	MATERIAL	GLAZING	JAMB TYPE									
101.1	D2	(2) 3'-0"	7'-0"	1 3/4"	PHM	G1	F1	6'-4"	7'-4"	PHM	N/A	ME	N/A	N/A	01		VERIFY EXISTING DIMS IN FIELD				
102.1	D2	3'-0"	7'-0"	1 3/4"	PHM	G1	F1	3'-4"	7'-4"	PHM	N/A	06/A1.2	N/A	N/A	02						
102.2	D2	3'-0"	7'-0"	1 3/4"	PHM	G1	F1	3'-4"	7'-4"	PHM	N/A	W-A	N/A	N/A	03		VERIFY EXISTING DIMS IN FIELD				
102.3	D1	3'-0"	7'-0"	1 3/4"	PHM	N/A	F1	3'-4"	7'-4"	PHM	N/A	07/A1.2	N/A	N/A	04		EXIT ONLY-NO RE-ENTER HARDWARE				
103.1	D2	3'-0"	7'-0"	1 3/4"	PHM	N/A	F1	3'-4"	7'-4"	PHM	N/A	ME	N/A	N/A	05		VERIFY EXISTING DIMS IN FIELD				
103.2	D2	(2) 3'-0"	7'-0"	1 3/4"	PHM	G1	F1	6'-4"	7'-4"	PHM	N/A	W-A	N/A	N/A	06		VERIFY EXISTING DIMS IN FIELD				
103.3	D2	3'-0"	7'-0"	1 3/4"	PHM	G1	F1	3'-4"	7'-4"	PHM	N/A	ME	N/A	N/A	07		VERIFY EXISTING DIMS IN FIELD				
103.4	D-2	(2) 3'-0"	7'-0"	1 3/4"	PHM	G2	F1	6'-4"	7'-4"	PHM	N/A	ME	20	N/A	08		VERIFY EXISTING DIMS IN FIELD				

DOOR SCHEDULE KEY	
G1	1/4" Clear Tempered Safety Glass
G2	1/4" Fire Resistant Safety Glass
ME	Match Exist'g
N/A	Not Applicable
PHM	Painted Hollow Metal
W-A	Wrap-Around

SECTION 087100 - DOOR HARDWARE - **Revised 19 Mar19**

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:

- 1. Commercial door hardware for the following:

- a. Swinging doors.

- B. Related Sections include the following:

- 1. Division 08 Section "Hollow Metal Doors and Frames" for factory prepping of doors for door hardware and silencers integral with hollow metal frames.

- C. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.

- 1. ICC/IBC - International Building Code.
- 2. NFPA 101 - Life Safety Code.
- 3. NFPA 80 - Fire Doors and Windows.
- 4. State Building Codes, Local Amendments.

- D. Standards: All hardware specified herein shall comply with the following industry standards:

- 1. ANSI/BHMA Certified Product Standards - A156 Series.
- 2. UL10C – Positive Pressure Fire Tests of Door Assemblies.

1.3 SUBMITTALS

- A. Product Data: Include construction and installation details, material descriptions, dimensions of individual components and profiles, and finishes.

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

- C. Warranty: Special warranty specified in this Section.

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D. Other Action Submittals:

1. Door Hardware Sets: Prepared by or under the supervision of Architectural Hardware Consultant, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final door hardware sets with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - a. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule." Double space entries, and number and date each page.
 - b. Format: Use same scheduling sequence and format and use same door numbers as in the Contract Documents.
 - c. Content: Include the following information:
 - 1) Identification number, location, hand, and material of each door and frame.
 - 2) Type, style, function, size, quantity, and finish of each door hardware item. Include description and function of each lockset and exit device.
 - 3) Complete designations of every item required for each door or opening including name and manufacturer.
 - 4) Fastenings and other pertinent information.
 - 5) Location of each door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - 6) Explanation of abbreviations, symbols, and codes contained in schedule.
 - 7) Mounting locations for door hardware.
 - 8) Door and frame sizes and materials.
 - 9) Description of each electrified door hardware function, including location, sequence of operation, and interface with other building control systems.
 - a) Sequence of Operation: Include description of component functions that occur in the following situations: authorized person wants to enter; authorized person wants to exit; unauthorized person wants to enter; unauthorized person wants to exit.
 - 10) List of related door devices specified in other Sections for each door and frame.
 - d. Submittal Sequence: Submit the final door hardware sets at earliest possible date, particularly where approval of the door hardware sets must precede fabrication of other work that is critical in Project construction schedule. Include Product Data, Samples, Shop Drawings of other work affected by door hardware, and other information essential to the coordinated review of the door hardware sets.

1.4 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by lock manufacturer.

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1. Installer's responsibilities include supplying and installing door hardware and providing a qualified Architectural Hardware Consultant available during the course of the Work to consult with Contractor, Architect, and Owner about door hardware and keying.
 2. Installer shall have warehousing facilities in Project's vicinity.
 3. Scheduling Responsibility: Preparation of door hardware and keying schedules.
- B. Architectural Hardware Consultant Qualifications: A person who is currently certified by DHI as an Architectural Hardware Consultant and who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project.
- C. Source Limitations: Obtain each type and variety of door hardware from a single manufacturer, unless otherwise indicated.
- D. Regulatory Requirements: Comply with NFPA 70, NFPA 80, NFPA 101 and ANSI A117.1 requirements and guidelines as directed in the model building code including, but not limited to, the following:
1. Where indicated to comply with accessibility requirements, comply with Americans with Disabilities Act (ADA), "Accessibility Guidelines for Buildings and Facilities (ADAAG)," ANSI A117.1 as follows:
 - a. Handles, Pulls, Latches, Locks, and other Operating Devices: Shape that is easy to grasp with one hand and does not require tight grasping, tight pinching, or twisting of the wrist.
 - b. Door Closers: Comply with the following maximum opening-force requirements indicated:
 - 1) Interior Hinged Doors: 5 lbf applied perpendicular to door.
 - 2) Fire Doors: Minimum opening force allowable by authorities having jurisdiction.
 2. NFPA 101: Comply with the following for means of egress doors:
 - a. Latches, Locks, and Exit Devices: Not more than 15 lbf to release the latch. Locks shall not require the use of a key, tool, or special knowledge for operation.
 3. Fire-Rated Door Assemblies: Provide door hardware for assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 (neutral pressure at 40" above sill) or UL-10C.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up and shelving for door hardware delivered to Project site. Do not store electronic access control hardware, software or accessories at Project site without prior authorization.

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- B. Tag each item or package separately with identification related to the final door hardware sets, and include basic installation instructions, templates, and necessary fasteners with each item or package.
- C. Deliver keys and permanent cores to Owner by registered mail or overnight package service.
 - 1. Joe Lisa, Director of Buildings & Grounds
LINDENWOLD BOE
801 Egg Harbor Road
Lindenwold, NJ 08021

1.6 COORDINATION

- A. Templates: Distribute door hardware templates for doors, frames, and other work specified to be factory prepared for installing door hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

1.7 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Structural failures including excessive deflection, cracking, or breakage.
 - b. Faulty operation of operators and door hardware.
 - c. Deterioration of metals, metal finishes, and other materials beyond normal weathering and use.
 - 2. Warranty Period: Two years from date of Substantial Completion, except as follows:
 - a. Ten years for mortise locks and latches.
 - b. Seven years for heavy duty cylindrical (bored) locks and latches.
 - c. Five years for exit hardware.
 - d. Ten years for manual door closers.

1.8 MAINTENANCE SERVICE

- A. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.
- B. Maintenance Service: Beginning at Substantial Completion, provide six months' full maintenance by skilled employees of door hardware Installer. Include quarterly preventive

maintenance, repair or replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door hardware operation. Provide parts and supplies same as those used in the manufacture and installation of original products.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

- A. General: Provide door hardware for each door to comply with requirements in this Section and door hardware sets indicated in Part 3 "Door Hardware Sets" Article.
 - 1. Door Hardware Sets: Provide quantity, item, size, finish or color indicated, and products equivalent in function and comparable in quality to named products.
- B. Designations: Requirements for design, grade, function, finish, size, and other distinctive qualities of each type of door hardware are indicated in Part 3 "Door Hardware Sets" Article. Products are identified by using door hardware designations, as follows:
 - 1. Named Manufacturers' Products: Manufacturer and product designation are listed for each door hardware type required for the purpose of establishing minimum requirements. Manufacturers' names are abbreviated in Part 3 "Door Hardware Sets" Article.
- C. In other Part 2 articles where titles below introduce lists, the following requirements apply to product selection:
 - 1. Available Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to, manufacturers specified unless noted otherwise.

2.2 HINGES, GENERAL

- A. Fasteners: Comply with the following:
 - 1. Machine Screws: For metal doors and frames. Install into drilled and tapped holes.
 - 2. Screws: Phillips flat-head; Finish screw heads to match surface of hinges.
- A. Hinges: BHMA A156.1. Provide template-produced hinges for hinges installed on hollow-metal frames.
 - 1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
 - a. Hager Companies.
 - b. McKinney Products Company; an ASSA ABLOY Group company.
 - c. Stanley Commercial Hardware; Div. of The Stanley Works.

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2.3 LOCKS AND LATCHES, GENERAL

- A. Accessibility Requirements: Where indicated to comply with accessibility requirements, comply with "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)." And ANSI A117.1 2003.
 - 1. Provide operating devices that do not require tight grasping, pinching, or twisting of the wrist and that operate with a force of not more than 5 lbf (22 N).
- B. Latches and Locks for Means of Egress Doors: Comply with NFPA 101. Latches shall not require more than 15 lbf (67 N) to release the latch. Locks shall not require use of a key, tool, or special knowledge for operation.
- C. Lock Trim:
 - 1. Levers: Forged.
 - a. As indicated in hardware schedule.
 - 2. Escutcheons (Roses): Forged.
 - 3. Dummy Trim: Match lever lock trim and escutcheons.
 - 4. Lockset Designs: Provide design indicated in the hardware schedule or, if sets are provided by another manufacturer, provide designs that match those designated.
- D. Backset: 2-3/4 inches (70 mm), unless otherwise indicated.
- E. Strikes: Manufacturer's standard strike with strike box for each latchbolt or lock bolt, with curved lip extended to protect frame, finished to match door hardware set.

2.4 MECHANICAL LOCKS AND LATCHES

- A. Bored Locks: BHMA A156.2; Grade 1; Series 4000.
 - 1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. Best Access Systems; Div. of Stanley Security Solutions, Inc.
 - b. Corbin Russwin Architectural Hardware; n ASSA ABLOY Group Company.
 - c. SARGENT Manufacturing Company; an ASSA ABLOY Group company.
 - d. Schlage Commercial Lock Division; an Ingersoll-Rand company.
 - e. Yale Security Inc.; an ASSA ABLOY Group company.

2.5 LOCK AND LATCH STRIKES

- A. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated.

B. Standards: Comply with the following:

1. Strikes for Bored Locks and Latches: BHMA A156.2.

2.6 CONVENTIONAL EXIT DEVICES

A. General Requirements: All exit devices specified herein shall meet or exceed the following criteria:

1. At doors not requiring a fire rating, provide devices complying with NFPA 101 and listed and labeled for "Panic Hardware" according to UL305. Provide proper fasteners as required by manufacturer including sex nuts and bolts at openings specified in the Hardware Sets.
2. Where exit devices are required on fire rated doors, provide devices complying with NFPA 80 and with UL labeling indicating "Fire Exit Hardware". Provide devices with the proper fasteners for installation as tested and listed by UL. Consult manufacturer's catalog and template book for specific requirements.
3. Devices must fit flat against the door face with no gap that permits unauthorized dogging of the push bar. The addition of filler strips is required in any case where the door light extends behind the device as in a full glass configuration.
4. Lever Operating Trim: Where exit devices require lever trim, furnish manufacturer's heavy-duty escutcheon trim with threaded studs for thru-bolts.
 - a. Lock Trim Design: As indicated in Hardware Sets, provide finishes and designs to match that of the specified locksets.
 - b. Where function of exit device requires a cylinder, provide a cylinder (Rim or Mortise) as specified in Hardware Sets.
5. Vertical Rod Exit Devices: Provide and install interior surface and concealed vertical rod exit devices as Less Bottom Rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
6. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
7. Rail Sizing: Provide exit device rails factory sized for proper door width application.
8. Through Bolt Installation: For exit devices and trim as indicated in Door Hardware Sets.

B. Conventional Push Rail Exit Devices (Heavy Duty): ANSI/BHMA A156.3, Grade 1 certified panic and fire exit hardware devices furnished in the functions specified in the Hardware Sets. Exit device latch to be stainless steel, pullman type, with deadlock feature.

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1. Acceptable Manufacturers:
 - a. Corbin Russwin Hardware (RU) - ED4000 / ED5000 Series.
 - b. Sargent Manufacturing (SA) - 80 Series.
 - c. Von Duprin (VD) - 35A/98 XP Series.
 - d. Precision (PR) – Apex 2000 Series.

2.7 LOCK CYLINDERS

- A. Lock Cylinders: Seven-pin Tumbler type, constructed from brass or bronze, stainless steel, or nickel silver.
 1. Manufacturer: Best Access Systems; Div. of Stanley Security Solutions, Inc. (**District Standard**).
- B. Standard Lock Cylinders: BHMA A156.5; Grade 1; permanent cores that are interchangeable; face finished to match lockset.

2.8 KEYING

- A. Keying System: Factory registered, complying with guidelines in BHMA A156.28, Appendix A. Incorporate decisions made in keying conference, and as follows:
 1. Existing System: Master key or grand master key locks to Owner's existing Marks system.
- B. Keys: Nickel silver.
 1. Stamping: Permanently inscribe each key with a visual key control number and include the following notation:
 - a. Notation: "DO NOT DUPLICATE".
 2. Quantity: In addition to one extra key blank for each lock, provide the following:
 - a. Cylinder Change Keys: Two.
 - b. Master Keys: Three.
 - c. Grand Master Keys: Two.

2.9 CLOSERS

- A. Accessibility Requirements: Where handles, pulls, latches, locks, and other operating devices are indicated to comply with accessibility requirements, comply with "Americans with Disabilities Act (ADA), Accessibility Guidelines for Buildings and Facilities (ADAAG)" and ANSI A117.1. 2009.

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- B. Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
- C. Door Closers for Means of Egress Doors: Comply with NFPA 101. Door closers shall not require more than 30 lbf (133 N) to set door in motion and not more than 15 lbf (67 N) to open door to minimum required width.
- D. Surface Closers: BHMA A156.4, Grade 1. Provide type of arm required for closer to be located on non-public side of door, unless otherwise indicated.
 - 1. Available Manufacturers:
 - a. Corbin Russwin Hardware (RU) - DC8000 Series.
 - b. Sargent Manufacturing (SA) - 351 Series.
 - c. Norton Door Controls (NO) - 7500 Series.

2.10 METAL PROTECTIVE TRIM UNITS

- A. Metal Protective Trim Units: BHMA A156.6; fabricated from 0.050-inch- (1.3-mm-) thick stainless steel; with manufacturer's standard machine or self-tapping screw fasteners.
 - 1. Available Manufacturers:
 - a. Baldwin Hardware Corporation.
 - b. Burns Manufacturing Incorporated.
 - c. Hiawatha, Inc.
 - d. IVES Hardware; an Ingersoll-Rand company.
 - e. Rockwood Manufacturing Company.

2.11 ARCHITECTURAL SEALS

- A. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weatherstrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.
- B. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C.
 - 1. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and UBC 7-2, Fire Tests of Door Assemblies.
- C. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

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- D. Acceptable Manufacturers:
1. National Guard Products (NG).
 2. Pemko Manufacturing (PE).
 3. Reese Enterprises, Inc. (RS).

2.12 FABRICATION

- A. Base Metals: Produce door hardware units of base metal, fabricated by forming method indicated, using manufacturer's standard metal alloy, composition, temper, and hardness. Furnish metals of a quality equal to or greater than that of specified door hardware units and BHMA A156.18. Do not furnish manufacturer's standard materials or forming methods if different from specified standard.
- B. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to 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.

2.13 FINISHES

- A. Standard: BHMA A156.18, as indicated in door hardware sets.
- B. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- C. Appearance of Finished Work: Variations in appearance of abutting or adjacent pieces are acceptable if they are within one-half of the range of approved Samples. Noticeable variations in the same piece are not acceptable. Variations in appearance of other components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, wall and floor construction, and other conditions affecting performance.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Steel Doors and Frames: Comply with DHI A115 Series.
 - 1. Surface-Applied Door Hardware: Drill and tap doors and frames according to ANSI A250.6.

3.3 INSTALLATION

- A. Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications.
 - 1. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety and security products including: hanging devices; locking devices; closing devices; and seals.
- B. Mounting Heights: Mount door hardware units at heights indicated as follows unless otherwise indicated or required to comply with governing regulations.
 - 1. Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames."
 - 2. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
- C. Install each door hardware item to comply with manufacturer's written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 09 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
 - 1. Set units level, plumb, and true to line and location. Adjust and reinforce attachment substrates as necessary for proper installation and operation.
 - 2. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

3.4 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended.
 - 1. Door Closers: Unless otherwise required by authorities having jurisdiction, adjust sweep period so that, from an open position of 70 degrees, the door will take at least 3 seconds to move to a point 3 inches (75 mm) from the latch, measured to the leading edge of the door.

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3.5 CLEANING AND PROTECTION

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

3.6 DEMONSTRATION

- A. Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

3.7 DOOR HARDWARE SCHEDULE

- A. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.
- B. Hardware Schedule Key
 - 1. MK - McKinney.
 - 2. RO - Rockwood.
 - 3. SA - Sargent.
 - 4. BE - Best.
 - 5. RF - Rixson.

3.8 DOOR HARDWARE SETS

Hardware Set #01: Pr Drs 101.1. Each to have:

QTY	ITEM	DESCRIPTION	FINISH	MANUF
6	Butt Hinges	TA2714 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Flush Bolt	555	US26D	RO
1	Storage Lockset	70 10G04 LL	US26D	SA
1	Core	As req'd to match facility standard	626	BE
2	Wall Stop	406	US32D	RO
2	Silencer	608-RKW		RO

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Hardware Set #02: Sgl Drs 102.1. Each to have:

QTY	ITEM	DESCRIPTION	FINISH	MANUF
3	Butt Hinges	TA2714 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Office Lockset	70 10G05 LL	US26D	SA
1	Core	As req'd to match facility standard	626	BE
1	Door Closer	351 P10	EN	SA
1	Kickplate	K1050 10" high CSK	US32D	RO
1	Wall Stop	406	US32D	RO
2	Silencer	608-RKW		RO

Hardware Set #03: Sgl Drs 102.2. Each to have:

QTY	ITEM	DESCRIPTION	FINISH	MANUF
3	Butt Hinges	TA2714 4-1/2" x 4-1/2"	US26D	MK
1	Office Lockset	70 10G05 LL	US26D	SA
1	Core	As req'd to match facility standard	626	BE
1	Kickplate	K1050 10" high 4BE	US32D	RO
1	Wall Stop	406	US32D	RO
2	Silencer	608-RKW		RO

Hardware Set #04: Sgl Drs 102.3. Each to have:

QTY	ITEM	DESCRIPTION	FINISH	MANUF
3	Butt Hinges (Heavy Weight)	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Exit Device (exit only)	LD 8810	US32D	SA
1	Door Closer	351 P10	EN	SA
1	Kickplate	K1050 10" high CSK	US32D	RO
1	Wall Stop	406	US32D	RO
2	Silencer	608-RKW		RO

Hardware Set #05: Sgl Drs 103.1. Each to have:

QTY	ITEM	DESCRIPTION	FINISH	MANUF
3	Butt Hinges	TA2714 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Office Lockset	70 10G37 LL	US26D	SA
1	Core	As req'd to match facility standard	626	BE
1	Wall Stop	406	US32D	RO
2	Silencer	608-RKW		RO

GYM HVAC RENOVATION & LOCKER ROOM ALTERATIONS
 LINDENWOLD BOE
 REGAN YOUNG ENGLAND BUTERA, PC PROJECT #5563C

Hardware Set #06: Pr Drs 103.2. Each to have:

QTY	ITEM	DESCRIPTION	FINISH	MANUF
6	Butt Hinges	TA2714 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Flush Bolt	555	US26D	RO
1	Storeroom Lockset	70 10G04 LL	US32D	SA
1	Core	As req'd to match facility standard	626	BE
1	Surface Overhead Stop	10-X36	630	RF
1	Wall Stop	406	US32D	RO
2	Silencer	608-RKW		RO

Hardware Set #07: Sgl Drs 103.3. Each to have:

QTY	ITEM	DESCRIPTION	FINISH	MANUF
3	Butt Hinges (Heavy Weight)	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Exit Device (Classroom)	16 70 8813 ETL	US32D	SA
1	Core	As req'd to match facility standard	626	BE
1	Door Closer	351 P10	EN	SA
1	Kickplate	K1050 10" high CSK	US32D	RO
1	Wall Stop	406	US32D	RO
2	Silencer	608-RKW		RO

Hardware Set #08: Pr Drs 103.4. Each to have:

QTY	ITEM	DESCRIPTION	FINISH	MANUF
6	Butt Hinges (Heavy Weight)	T4A3786 NRP 4-1/2" x 4-1/2"	US26D	MK
1	Exit Device (classroom)	16 70 NB8713 ETL	US32D	SA
1	Surface Vert Rod Exit	LD NB8710	US32D	SA
2	Core	As req'd to match facility standard	626	BE
1	Closer	351 P10	EN	SA
1	Closer	351 PS	EN	SA
2	Kickplate	K1050 10" high CSK	US32D	RO
1	Wall Stop	406	US32D	RO
2	Silencer	608-RKW		RO

END OF SECTION 087100