



6/8/2020

## ADDENDUM NO. 2

PROJECT: Washtenaw ISD – High Point School  
DESCRIPTION: Architectural and MEP  
BID PACKAGE RELEASE NUMBER: 003  
CLARK/AXIOM PROJECT NO: 2832/1004

**BID PROPOSAL DUE DATE/TIME: UNCHANGED**  
**10:00 AM, Tuesday, June 23, 2020**

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The following clarifications and/or Changes made to the Contract Documents are hereby made part of the Contract Documents.

The general character of the Work clarified or revised by this Addendum shall be the same as required by the complete set of Contract Documents. All incidentals required in connection with the Work of this Addendum shall be included in the Scope of Work even though not specifically specified.

All bidders shall be held responsible to review the Addendum and to include in its Bid Proposal all Work reasonably inferred to be included in its Scope of Work.

**Acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form.**

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- A. Division 00 – Bidding and Contract Requirement Modifications:**
- a. Section 001100 – Advertisement – Invitation for Bids – REISSUED**
  - b. Section 002416 – Bid Cat. 08A Entrances and Storefronts Glass and Glazing – REISSUED**
  - c. Section 002416 – Bid Cat. 08B Hollow Metal Doors, Frames and Hardware – REISSUED**
  - d. Section 002416 – Bid Cat. 32D Landscaping and Fencing – REISSUED**
  - e. Pre bid RFI's**

END OF SECTION



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SECTION 001100  
ADVERTISEMENT / INVITATION FOR BIDS

PROJECT: Washtenaw ISD - High Point School

BID RELEASE NO.: 003

CLARK PROJECT NO.: 19-2832

AXIOM PROJECT NO.: 19-1004

DESCRIPTION: Architectural and MEP

OWNER: Washtenaw Intermediate School District  
1735 South Wagner Road  
Ann Arbor, MI 48103

ARCHITECT: TMP Architecture, Inc.  
1191 West Square Lake Road  
Bloomfield Hills, MI 48302  
And  
Mitchell and Mouat Architecture  
113 South Fourth Avenue  
Ann Arbor, MI 48104

CONSTRUCTION MANAGER: Clark Construction Company  
3535 Moores River Drive  
Lansing, MI 48911  
and  
Axiom Construction Services Group  
7789 E. M-36  
Whitmore Lake, MI 48189

PROJECT MANAGER: Tanner Rowe

EMAIL: [trowe@clarkcc.com](mailto:trowe@clarkcc.com)

**1. PRE-BID CONFERENCE**

- 1.1. No pre-bid conference will be held. Satellite images of the site can be found at:  
<https://www.google.com/maps/place/High+Point+School/@42.2613967,-83.7957931,719m/data=!3m1!1e3!4m5!3m4!1s0x883cb05150045ae7:0x75c5b74197306bf3!8m2!3d42.2617042!4d-83.7960827?hl=en>

**2. BID PROPOSAL DUE DATE/LOCATION**

- 2.1. Lump sum sealed proposals will be received by mail or hand delivery at:

**Physical Address:**  
**Washtenaw Intermediate School District**  
**1819 S. Wagner Rd, Ann Arbor, MI 48103**

**Mailing Address:**  
**P.O. Box 1406**  
**Ann Arbor, MI 48106-1406**

- 2.2. Bids must be delivered not later than 10:00 AM, Tuesday, June 23<sup>rd</sup>, 2020.



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SECTION 001100  
ADVERTISEMENT / INVITATION FOR BIDS

2.3. The front of the sealed bid envelop shall be clearly labeled as follows.

Washtenaw Intermediate School District  
1819 S. Wagner Rd.  
Ann Arbor, MI 48103  
Attention: Diane Seigny

Bid for: BP 3 - New High Point School

Bid Category: Insert Bid Category Number and Description

2.4. Any questions from bidders shall be submitted no later than end of day Tuesday, June 16, 2020.

3. **BID CATEGORIES:** Bid Pack 3 – Architectural & MEP

02A – Selective Demolition	03A – Interior Concrete
03B – Polished Concrete Flooring	04 - Masonry
05A – Miscellaneous Metals	06 – General Trades, Rough Carpentry, Finish Carpentry
07A – Roofing	07B – Metal Wall Panels and Siding
08A – Entrances and Storefronts, Glass and Glazing	08B – Hollow Metal Doors, Frames, & Hardware
09A – Metal Studs and Drywall	09B – Hard Tile
09C – Carpet, Resilient and Wood Flooring	09D – Fluid-Applied Flooring
09E – Painting and Wall Covering	10A – Toilet Accessories and Lockers
11 – Food Service Equipment	12A – Manufactured Casework
12B – Drapery and Window Shades	13 – Swimming Pool Systems
21 – Fire Protection	22 - Plumbing
23 – HVAC and Building Controls	26 - Electrical
32A – Asphalt	32B – Concrete Site Paving
32C – Playground Equipment & Surfacing	32D – Landscaping and Fencing

4. **BID DOCUMENT AVAILABILITY/DEPOSIT**

4.1. Bid Documents, drawings and specifications will be available at 3:00PM, Thursday, May 28, 2020 at the following location(s):



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SECTION 001100  
ADVERTISEMENT / INVITATION FOR BIDS

[www.clarkccbids.com](http://www.clarkccbids.com)  
[www.AxiomCSGLLC.com](http://www.AxiomCSGLLC.com)

4.2. Documents will also be made available for review at the following locations:

- SIGMA VSS

**5. BID PROPOSAL REQUIREMENTS**

5.1. Each Bid must be accompanied by a Bid security in an amount of not less than 5% of the total base Bid sum, pledging that the Bidder will enter into a Contract with the Washtenaw Intermediate School District under the terms stated in the Bid Documents. Bid Bonds shall be issued by a bonding company meeting the requirements as described in Section 006113 Performance and Payment Bond. Bid security may also be in the form of certified check made out to the School District.

5.2. The Board of Education will not consider or accept a Bid received by the Board after the Due Date for receipt of Bids.

5.3. No oral, fax or emailed Bids shall be submitted. All Bidders shall provide a familial disclosure in compliance with MCL 380.1267 and attach this information to the Bid. The Bid shall be accompanied by a sworn and notarized statement disclosing any familial relationship that exists between the owner or any employee of the Bidder and any member of the Board of Education of the School District, or the Superintendent of the school district. The Board of Education of the School District will not consider a Bid that does not include this sworn and notarized statement.

5.4. Each Bid must be accompanied by a sworn and notarized statement certifying that the Bidder is not an “Iran linked business” within the meaning of the Iran Economic Sanctions Act.

5.5. Washtenaw Intermediate School District Board of Education reserves the right to accept or reject any and all Bids, either in whole or in part, to waive any informalities or irregularities therein, or to award the contract to other than the Bidder(s) submitting the best financial Bid (low Bidder), in its sole and absolute discretion.

5.6. All questions during the bidding period shall be referred to Clark Construction Company via email to:

CONTACT:	Tanner Rowe – Project Manager
TELEPHONE:	517-898-2769
EMAIL:	<a href="mailto:trowe@clarkcc.com">trowe@clarkcc.com</a>

5.7. Bidders are required to be pre-qualified by Clark Construction Company (**prior to award recommendation of Contract, not prior to bidding**) by supplying qualification data per the Clark Construction Prequalification Website. A link to the website can be found via [www.clarkccbids.com](http://www.clarkccbids.com)

**Bids will be opened publicly 10:15 AM, Tuesday, June 23<sup>rd</sup>, 2020** at Washtenaw Intermediate School District 1819 S. Wagner Rd, Ann Arbor, MI 48103. Social distancing guidelines MUST be followed, attendees MUST wear a face mask and room capacity will be limited.

**Option to attend bid opening virtually via Zoom Meeting**

<https://us04web.zoom.us/j/78911594114?pwd=YTB4dVl3TXRsZGloemREMlJkSDZPQT09>

**Meeting ID: 789 1159 4114 Password: 7n8D9G**



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SECTION 001100  
ADVERTISEMENT / INVITATION FOR BIDS

END OF SECTION



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SECTION 002416  
SCOPE OF WORK  
BID CATEGORY SPECIFIC NOTES

**BID CATEGORY 08A -Entrances and Storefronts, Windows, Glass and Glazing**

GENERAL – The following shall not be interpreted as a complete itemization of the work to be performed under this Bid Category. This Bid Category Trade Contractor shall be responsible to perform all work reasonably interpreted to be included in its scope of work in accordance with the drawings and specifications in addition to these Bid Category notes of clarification.

BASE SPECIFICATION – (Include all Work specified or reasonably inferred)  
002413 – SCOPE OF WORK GENERAL NOTES – (Include all Work specified or reasonably inferred)

07 9513 EXPANSION JOINT COVER ASSEMBLIES

08 1116 ALUMINUM DOORS AND FRAMES

08 1613 FIBERGLASS DOORS

~~08 1700 INTEGRATED DOOR OPENING ASSEMBLIES – REMOVED –~~

**Addendum 2**

08 4229 AUTOMATIC ENTRANCES

08 4313 ALUMINUM FRAMED STOREFRONTS

08 4413 GLAZED ALUMINUM CURTAIN WALLS

08 6200 UNIT SKYLIGHTS

08 8000 GLAZING

08 9100 LOUVERS

REFERENCE SPECIFICATION – (Include portions of the Work specified as noted below)

01 5000 TEMPORARY FACILITIES AND CONTROLS

07 9200 JOINT SEALANTS

08 7100 DOOR HARDWARE

**Include (Furnish and Install u.n.o):**

1. Interior and exterior glazing including frames, doors, etc.,
2. Coordinate rough opening requirements with other Trades.
3. Coordinate routing of line and low voltage wiring, pneumatic lines, etc. with other Trades to accomplish all such Work through the framing system. Review routing with Clark-Axiom Joint Venture and the Architect prior to performing the Work.
4. Field verify opening dimensions and condition of surfaces in advance of arriving on site to perform the work of this Bid Category to allow adequate time for corrections to be made as not to delay the project schedule. Immediately report discrepancies to Clark-Axiom Joint Venture in writing.
5. Complete shimming and anchorage.



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SECTION 002416  
SCOPE OF WORK  
BID CATEGORY SPECIFIC NOTES

6. Hardware associated with the Work of this bid category.
7. Reinforcing of framing and doors as required for hardware installation.
8. Closure metal for a complete installation.
9. Isolate all dissimilar metals.
10. Lock cylinders for aluminum doors.
11. Interior and exterior joint sealant associated with the Work of this bid category.
12. Test windows and doors hardware for ease of operation upon completion of installation. Adjust as necessary or as directed by Clark-Axiom Joint Venture
13. Provide daily clean up and as required by Clark-Axiom Joint Venture

Exclude:

1. Wood door hardware
2. Wood door glazing



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SECTION 002416  
SCOPE OF WORK  
BID CATEGORY SPECIFIC NOTES

**BID CATEGORY 08B-Hollow Metal Doors, Frames and Hardware**

GENERAL – The following shall not be interpreted as a complete itemization of the work to be performed under this Bid Category. This Bid Category Trade Contractor shall be responsible to perform all work reasonably interpreted to be included in its scope of work in accordance with the drawings and specifications in addition to these Bid Category notes of clarification.

**BASE SPECIFICATION** - (Include **all** Work specified or reasonably inferred)  
**002413 – SCOPE OF WORK GENERAL NOTES**

08 1113	HOLLOW METAL DOORS AND FRAMES
08 1416	FLUSH WOOD DOORS
08 1700	INTEGRATED DOOR OPENING ASSEMBLIES – Addendum 2
08 7100	DOOR HARDWARE

**REFERENCE SPECIFICATION** - (Include portions of the Work specified as noted below)

01 5000	TEMPORARY FACILITIES AND CONTROLS
08 8000	GLAZING

Include (Furnish Only u.n.o):

1. Furnish and deliver to the project site all hollow metal frames (including anchoring devices), hollow metal doors, wood doors and hardware. **Also including all packaged door and hardware assemblies. – Addendum 2**
2. Reinforcing of framing and doors as required for hardware installation.
3. Coordinate deliveries with other Trades. Deliveries shall be phased to meet requirements of the project schedule.
4. Construction cores and final keying of all hardware furnished by this bid category.
5. Number all door frames on the center hinge knockout.
6. Lock cylinders and cores for wood and hollow metal doors. Lock cores for aluminum doors.
7. Glazing in hollow metal and wood doors
8. Final adjustments to hardware as directed by Clark-Axiom Joint Venture.

Exclude:

1. Aluminum door system hardware.



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SECTION 002416  
SCOPE OF WORK  
BID CATEGORY SPECIFIC NOTES

**BID CATEGORY 32D - Landscaping and Fencing**

GENERAL – The following shall not be interpreted as a complete itemization of the work to be performed under this Bid Category. This Bid Category Trade Contractor shall be responsible to perform all work reasonably interpreted to be included in its scope of work in accordance with the drawings and specifications in addition to these Bid Category notes of clarification.

**BASE SPECIFICATION** - (Include **all** Work specified or reasonably inferred)

**002413 – SCOPE OF WORK GENERAL NOTES**

323119	ORNAMENTAL FENCE SYSTEM
329200	TURF AND GRASSES
329210	NATIVE SEEDING
329310	EXTERIOR PLANTS
329320	PLANT MAINTENANCE AND GUARANTEE PERIOD
329400	PLANTING ACCESSORIES

**REFERENCE SPECIFICATION** - (Include portions of the Work specified as noted below)

015000	TEMPORARY FACILITIES AND CONTROLS
320514	TOPSOIL AND PLAY SAND
32 3300	SITE FURNISHINGS

**Include (Furnish and Install u.n.o):**

1. Verify location of existing utilities prior to performing the work. Hand dig as required to avoid contact with underground utilities.
2. Furnish sleeves to other Trades to accommodate the work of this bid category. Provide layout and assistance with placement.
3. Verify existing grades at planting and lawn areas prior to performing the work. Report discrepancies to Clark-Axiom Joint Venture.
4. Topsoil raking and removal of rocks, stones and debris. Topsoil furnished and placed by others. Final grading of topsoil.
5. Clean-up on a daily basis.
6. Legally dispose of debris off site.
7. Broom cleaning of hard surfaces.
8. Initial staking/support of plantings.
9. Supply only, parking lot bollard covers.
10. Flagpole, including excavating for footing and concrete.



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SECTION 002416  
SCOPE OF WORK  
BID CATEGORY SPECIFIC NOTES

11. Weed control and fertilizer per specifications.
12. Temporary watering as required until grass is established.
13. All permanent fencing, including ornamental – Addendum 2

Exclude:

1. Picnic tables and benches





## Request for Information .014

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel: Fax:	

**RFI #: .014**

**Date Created: 6/1/2020**

**Answer Company**

**Answered By**

**Author Company**

**Authored By**

Mitchell and Mouat Architects  
113 S. Fourth Street  
Ann Arbor, MI 48104

Mark Borys

Clark Construction Company  
3535 Moores River Drive  
Lansing, MI 48911

Tanner Rowe

**Co-Respondent**

**Author RFI Number**

**Subject**

Pre-bid BP 3 - Hardware Sets

**Discipline**

Architectural

**Category**

Plan/Spec Discrepancies

**Cc: Company Name**

**Contact Name**

**Copies Notes**

**Question**

**Date Required: 6/8/2020**

[6/1/2020 2:08 PM Clark Construction Company - Tanner Rowe]

Hardware sets are missing from the spec book. The specifications reference 08 7100.01 Door Hardware Sets but this section is not included, can you please provide this spec section?

**Answer**

**Date Answered: 6/2/2020**

[6/3/2020 12:45 PM Clark Construction Company - Tyler Maxwell]

[6/2/2020 9:20 AM Mitchell and Mouat Architects - Mark Borys]

See Section 08 7100 - revised and attached herein for Hardware Sets.



## **SECTION 08 7100 - DOOR HARDWARE**

### **PART 1 GENERAL**

#### **1.01 SECTION INCLUDES**

- A. Hardware for hollow metal, wood, aluminum and FRP-faced aluminum doors.
- B. Electrically operated and controlled hardware.
- C. Cylinders for doors or locks specified in other Sections.

#### **1.02 RELATED REQUIREMENTS**

- A. Section 08 7100.01 - Door Hardware Sets: Door hardware schedules.

#### **1.03 REFERENCE STANDARDS**

- A. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design 2010.
- B. ASTM E283 - Standard Test Method for Determining the Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen 2004 (Reapproved 2012).
- C. DHI (KSN) - Keying Systems and Nomenclature 1989.
- D. DHI (LOCS) - Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames 2004.
- E. DHI WDHS.3 - Recommended Locations for Architectural Hardware for Flush Wood Doors 1993; also in WDHS-1/WDHS-5 Series, 1996.
- F. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
- G. ITS (DIR) - Directory of Listed Products current edition.
- H. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- I. NFPA 80 - Standard for Fire Doors and Other Opening Protectives 2019.
- J. NFPA 101 - Life Safety Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- K. NFPA 105 - Standard for Smoke Door Assemblies and Other Opening Protectives 2019.
- L. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies 2017.
- M. UL (DIR) - Online Certifications Directory Current Edition.
- N. UL 1034 - Standard for Burglary-Resistant Electric Locking Mechanisms 2015.
- O. UL 10B - Standard for Fire Tests of Door Assemblies Current Edition, Including All Revisions.
- P. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies Current Edition, Including All Revisions.
- Q. UL 294 - Access Control System Units Current Edition, Including All Revisions.
- R. UL 1784 - Standard for Air Leakage Tests of Door Assemblies Current Edition, Including All Revisions.



#### 1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure utility connections are achieved in an orderly and expeditious manner.
- C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; attendance is required by affected installers and the following:
  - 1. Architect.
  - 2. Hardware Installer.
  - 3. Owner's Security Consultant.
- D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- E. Keying Requirements Meeting:
  - 1. Schedule meeting at project site prior to Contractor occupancy.
  - 2. Attendance Required:
    - a. Owner.
    - b. Architect.
    - c. Hardware Installer.
    - d. Owner's Security Consultant.
  - 3. Agenda:
    - a. Establish keying requirements.
    - b. Establish keying submittal schedule and update requirements.
  - 4. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
    - a. Access control requirements.
    - b. Key control system requirements.
  - 5. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.
  - 6. Deliver established keying requirements to manufacturers.

#### 1.05 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Hardware Schedules:
  - 1. To facilitate checking, follow scheduling sequence specified in hardware Sets, and as outlined in Sequence and Format for the Hardware Schedule published by DHI.
  - 2. "Vertical" scheduling format only. "Horizontal" schedules will be returned "Not Approved".
  - 3. Include all notes and operational descriptions associated with each hardware Set.



- C. Product Data: Do not submit hardware catalog cuts.
- D. Shop Drawings: Submit detailed listing that includes each item of hardware to be installed on each door. Use door numbering scheme as included in Contract Documents.
  - 1. List and describe each opening separately; include doors with identical hardware, except hand, in single heading. Include door number, room designations, degree of swing, and hand.
  - 2. List hardware items; include manufacturer's name, quantity, product name, catalog number, size, base metal, finish, fasteners and related details where applicable.
  - 3. List related details; include dimensions, door and frame material and other conditions affecting hardware.
  - 4. Electrified Door Hardware:
    - a. Submit diagrams for power, signal, and control wiring for electrified door hardware that include details of interface with building safety and security systems. Provide elevations and diagrams for each electrified door opening as follows:
      - 1) Submit front and back elevations of each door opening showing electrified devices with connections installed.
      - 2) Submit operations narrative describing how opening operates from either side at any given time.
      - 3) Submit point-to-point wiring diagram that shows each device in door opening system with related colored wire connections to each device.
- E. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
- F. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- G. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
  - 1. See Section 01 6000 - Product Requirements, for additional provisions.
  - 2. Lock Cylinders: Ten for each master keyed group.
  - 3. Tools: One set of each special wrench or tool applicable for each different or special hardware component, whether supplied by hardware component manufacturer or not.

#### 1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least five years of documented experience and approved by manufacturer.
- C. Single Source Responsibility.
  - 1. Obtain each category of hardware (hinges, latch and locksets, exit devices, closers, etc.) from a single manufacturer.



D. Supplier Qualifications.

1. An established finish hardware supplier who is a factory authorized distributor for all products required, and has qualified personnel trained and experienced in preparing Hardware Schedules, issuing templates, ordering, furnishing, and servicing finish hardware for architecturally designed projects.

**1.07 DELIVERY, STORAGE, AND HANDLING**

- A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

**1.08 WARRANTY**

- A. See Section 01 7800 - Closeout Submittals, for warranty requirements.

**PART 2 PRODUCTS**

**2.01 DESIGN AND PERFORMANCE CRITERIA**

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.
- C. Provide door hardware products that comply with the following requirements:
  1. Applicable provisions of federal, state and local codes.
  2. Accessibility: ADA Standards and ICC A117.1.
  3. Applicable provisions of NFPA 101.
  4. Fire-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
  5. Hardware on Fire-Rated Doors: Listed and classified by UL (DIR) or ITS (DIR) as suitable for application indicated.
  6. Hardware for Smoke and Draft Control Doors: Provide door hardware that complies with local codes, and requirements of assemblies tested in accordance with UL 1784.
    - a. Air Leakage Rate: Tested in accordance with UL 1784, with air leakage rate not to exceed 3.0 cfm/sf of door opening at 0.10 inch of water for both ambient and elevated temperature tests.
  7. Listed and certified compliant with specified standards by BHMA (CPD).
  8. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.
  9. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
  10. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.
- D. Electrically Operated and/or Controlled Hardware: Provide necessary power supplies, power transfer hinges, relays, and interfaces as required for proper operation; provide wiring between hardware and control components and to building power connection in compliance with NFPA 70.
- E. Fasteners:



1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
  - a. Aluminum fasteners are not permitted.
  - b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
2. Fire-Rated Applications: Comply with NFPA 80.

## 2.02 BUTT HINGES

### A. Manufacturers:

1. Basis-of-Design: 5BB1HW and 5BB1; Ives; an Allegion company: [www.us.allegion.com](http://www.us.allegion.com).
  - a. Equal product from any B.H.M.A. member will also be acceptable.

### B. Butt Hinges: Comply with BHMA A156.1, Grade 1.

1. Templated Hinges: Comply with BHMA A156.7.
2. Provide hinge width as required to clear surrounding trim.
3. Provide butt hinges on every swinging door unless otherwise indicated.
  - a. Provide five-knuckle full mortise butt hinges unless otherwise indicated.
    - 1) Provide ball-bearing hinges at each door.
  - b. Provide stainless steel hinges at exterior doors.
    - 1) Provide non-removable pins at out-swinging exterior doors.
  - c. Provide heavy weight hinges at fire rated doors.
4. Provide following quantity of butt hinges for each door:
  - a. Door Height - Up to 60 inches: Two hinges.
  - b. Door Height - 60 to 90 inches: Three hinges.
  - c. Door Height - 90 to 120 inches: Four hinges.
  - d. Door Height - Over 120 inches: One additional hinge per each additional 30 inches in height.
  - e. Dutch Doors: Two hinges each leaf.
5. For 1-3/4 inch thick doors, provide following butt hinge sizes:
  - a. Doors up to 36 inches wide: 4-1/2 high x 4-1/2 wide.
  - b. Doors 36 to 48 inches wide: 5 high x 4-1/2 wide.
  - c. Doors over 48 inches wide: 6 high x 5 wide.

## 2.03 CONTINUOUS HINGES

### A. Manufacturers:

1. Basis-of-Design: 112HD/224HD; Ives Hardware; an Allegion company: [www.us.allegion.com](http://www.us.allegion.com).
  - a. Equal product from any B.H.M.A. member will also be acceptable.

### B. Continuous Hinges: Complying with BHMA A156.26, Grade 1.



1. Provide continuous hinges on every aluminum swinging door and frame unless otherwise indicated.
  - a. Provide aluminum geared hinges.
    - 1) Flush Mounted.
    - 2) Heavy duty.
  - b. Cap Finish: Color and finish to match door and frame, wherever "PCO" is indicated.

#### 2.04 FLUSHBOLTS

A. Manufacturers:

1. Basis-of-Design: Ives Hardware; an Allegion company; [www.us.allegion.com](http://www.us.allegion.com).
  - a. Equal product from any B.H.M.A. member will also be acceptable.

B. Flush Bolts: Complying with BHMA A156.16, Grade 1.

1. Provide the following:
  - a. Automatic flush bolts; meets BHMA A156.3.
  - b. Constant latching flush bolts; meets BHMA A156.3.
  - c. Manual flush bolts.
2. Flush bolt Throw: 3/4 inch, minimum.
3. Provide flush bolts in leading edge of inactive door leaves.
  - a. One top bolt into top of frame and, where indicated, one bottom bolt into floor or threshold.
  - b. Standard rod length shall be 12 inches. At oversized doors, provide extended rod lengths as required to accommodate actual door heights.
4. Provide dustproof floor strike for bolt into floor, except at metal thresholds.
  - a. Basis-of-Design: Ives Hardware; an Allegion company; DP2: [www.us.allegion.com](http://www.us.allegion.com) or a comparable product from other specified flush bolt manufacturer.
5. Constant Latching Flush Bolts: Automatically latch upon closing of door; manually retracted top bolt, automatically retracted bottom bolt; located on inactive leaf of pair of doors.
6. Automatic Flush Bolts: Automatically latch upon closing of door; automatic retraction of bolts when active leaf is opened; located on inactive leaf of pair of doors.

#### 2.05 EXIT DEVICES

A. Manufacturers:

1. Basis-of-Design: Von Duprin 98 series.
  - a. Best Apex Series
  - b. Sargent 80 Series

B. Exit Devices: Complying with BHMA A156.3, Grade 1.

1. Provide exit devices in functions as specified in hardware sets.



2. Lever design to match lever design of locks and latches.
  - a. Provide vandal resistant outside trim.

## 2.06 CYLINDERS AND CORES

- A. Lock Cylinders: Provide key access on outside of each lock, unless otherwise indicated.
  1. Provide patented and restricted small format interchangeable core (SFIC) type cylinders, Grade 1, with seven-pin core in compliance with BHMA A156.5. Furnish cores factory keyed to a new Schlage Everest "29R" grand master key system according to the owner's instructions.
    - a. Best
    - b. Corbin-Russwin
  2. Provide all cores for this project from one supplier regardless of door type, locking device, and location.
    - a. Provide cams and/or tailpieces as required for locking devices.
  3. Construction Cores:
    - a. Provide disposable or keyed construction cores for use during construction period.
      - 1) Prior to Owner occupancy and near the end of the construction period, replace construction cores with permanent cores.

## 2.07 MORTISE LOCKSETS

- A. Manufacturers:
  1. Basis-of-Design: Schlage L9000 Series with "03A" lever trim.
  2. Other acceptable manufacturers:
    - a. Best Access Systems: 40H
    - b. Corbin Russwin: ML2000
- B. Mortise Locks: Complying with BHMA A156.13, Grade 1, Security, 1000 Series.
  1. Provide locks and latch sets in functions as specified in hardware sets.

## 2.08 CYLINDRICAL LOCKSETS

- A. Manufacturers:
  1. Basis-of-Design: Schlage ND Series with "TLR" lever trim.
  2. Other acceptable manufacturers:
    - a. Best Access Systems: 9K
    - b. Corbin Russwin: CL3500

## 2.09 PUSH AND PULL HARDWARE

- A. Manufacturers:
  1. Basis-of-Design: Ives Hardware 8000 series.
    - a. Equal product from any B.H.M.A. member will also be acceptable.

## 2.10 FLUSH PULLS



A. Manufacturers:

1. Basis-of-Design: Trimco Hardware model 1115.
  - a. Equal product from any B.H.M.A. member will also be acceptable.

**2.11 COORDINATORS**

A. Manufacturers:

1. Basis-of-Design: COR; Ives; an Allegion company.
  - a. Equal product from any B.H.M.A. member will also be acceptable.

B. Coordinators:

1. Complying with BHMA A156.3.
2. Type: Bar, unless otherwise indicated.
  - a. Provide filler bar to cover remaining length of door stop.
  - b. Provide mounting brackets to accommodate other stop applied hardware.
3. Material: Aluminum, unless otherwise indicated.
4. Provide on door pairs having closers, overlapping astragal, self-latching or automatic flushbolts or other hardware requiring inactive door leaf to close before active door leaf.
5. Ensure that coordination of other door hardware affected by placement of coordinator is applied properly for proper door operation.

**2.12 CLOSERS**

A. Manufacturers:

1. Basis-of-Design: LCN 4110/4010 Series.
  - a. Sargent 281 with heavy duty arms.

B. Closers: Complying with BHMA A156.4, Grade 1.

1. Type: Surface mounted to door; heavy duty.
2. Do not furnish surface closers with through-bolts. Furnish wood and machine screws only.
3. Review the door, frame and plan details to determine the proper length of arm, and the degree of swing. State the degree of door swing in the Hardware Schedule. Provide accessories such as drop and adapter plates, panel adapters, thick-hub shoes, blade stop spacers and shoe supports as required to install the closers correctly.

**2.13 OVERHEAD STOPS AND HOLDERS**

A. Manufacturers:

1. Basis-of-Design: 100 Series; Glynn-Johnson; an Allegion company.
  - a. Equal product from any B.H.M.A. member will also be acceptable.

B. Overhead Stops and Holders (Door Checks): Complying with BHMA A156.8, Grade 1.

1. Provide overhead stop or holder at doors that are capable of swinging more than 110 degrees before striking wall or where door will strike fixed object such as sink, cabinet, and similar obstructions.



## 2.14 PROTECTION PLATES

- A. Manufacturers:
  - 1. Basis-of-Design: 8400 Series; Ives; an Allegion company.
    - a. Equal product from any B.H.M.A. member will also be acceptable.
- B. Protection Plates - General: Complying with BHMA A156.6.
  - 1. Includes the following:
    - a. Kick plates.
    - b. Mop plates.
    - c. Stretcher plates.
    - d. Armor plates.
  - 2. Metal Properties: Stainless steel.
    - a. Metal, Standard Duty: Thickness 0.05 inch, minimum.
  - 3. Fasteners: Countersunk screw fasteners.
- C. Kick Plates:
  - 1. Kick Plates: Provide along bottom edge of push side of every door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
    - a. Size: 10 inch high by 2 inch less door width (LDW) on push side of door.
- D. Armor Plates:
  - 1. Armor Plates: Where indicated, provide on bottom half of push side of doors that require protection from objects moving through openings that may damage door surface.
    - a. Size: 48 inch high by 2 inch less door width on push side of door.

## 2.15 RAIN DRIP GUARDS

- A. Manufacturers:
  - 1. Basis-of-Design: 17A; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
  - 2. Other acceptable manufacturers:
    - a. Pemko; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).
    - b. Hager Companies: [www.hagerco.com](http://www.hagerco.com).
    - c. Reese Enterprises, Inc.; [www.reeseusa.com](http://www.reeseusa.com).
    - d. Zero International, Inc., an Allegion company: [www.zerointernational.com](http://www.zerointernational.com).
    - e. Substitutions: See Section 01 6000 - Product Requirements.
- B. Rain Drip Guards:
  - 1. Provide drip guards at head of exterior doors where indicated.
  - 2. Drip guard shall be continuous across entire length of door.
  - 3. Provide non-corroding fasteners at all locations.

## 2.16 ELECTROMAGNETIC DOOR HOLDERS



A. Manufacturers:

1. Basis-of-Design: SEM 7840; LCN; an Allegion company.
2. Other acceptable manufacturers:
  - a. Architectural Builder's Hardware Mfg. Inc.: [www.abhmfg.com](http://www.abhmfg.com).
  - b. Rixson; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).
  - c. Hager Companies: [www.hagerco.com](http://www.hagerco.com).
  - d. Substitutions: See Section 01 6000 - Product Requirements.

B. Electromagnetic Door Holders: Complying with BHMA A156.15.

1. Type: Wall mounted, single unit, standard duty, with strike plate attached to door.
  - a. Low-profile, recess mounted.
  - b. Provide armature extensions as required to meet wall and hardware conditions and to maintain proper clearances and operation.
2. Holding Force, Standard Duty: 35 lbs-force, minimum.
3. Voltage: 24 VDC.
4. Fail safe; door released to close automatically when electrical current is interrupted.
5. Provide interface with fire detectors and fire-alarm system for fire-rated door assemblies.

**2.17 WALL STOPS**

A. Manufacturers:

1. Basis-of-Design: WS402CCV; Ives; an Allegion company.
2. Other acceptable manufacturers:
  - a. Rockwood; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).
  - b. Hager Companies: [www.hagerco.com](http://www.hagerco.com).
  - c. Trimco: [www.trimcohardware.com](http://www.trimcohardware.com).
  - d. Substitutions: See Section 01 6000 - Product Requirements.

B. Wall Stops: Complying with BHMA A156.16, Grade 1 and Resilient Material Retention Test as described in this standard.

1. Provide wall stops to prevent damage to wall surface upon opening door.
2. Type: Bumper, concave, wall stop.
3. Material: Heavy duty cast brass housing with rubber insert.

**2.18 REMOVABLE MULLIONS**

A. Manufacturers:

1. Basis-of-Design: Von Duprin "KR" series.
2. Other acceptable manufacturers:
  - a. Precision (phi); a Dormakaba Holding Inc. company: [www.precisionhardware.com](http://www.precisionhardware.com).
  - b. Sargent; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).



3. Removable mullion manufacturer shall be the same as the exit device manufacturer.
- B. Removable Mullions: Easily removed mullions that provide single door performance in double door openings.
  1. Material: Steel.
  2. Provide complete with stabilizer hardware.
  3. Provide mullions with keyed top-mounting assembly.
    - a. Mullions self-lock when reinstalled.
  4. Provide UL Listed mullions at fire rated openings.
  5. Provide all associated hardware, including spacer blocks and brackets, as required for a complete installation and to suit frame and floor conditions.

## 2.19 ASTRAGALS

- A. Manufacturers:
  1. Pemko; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).
  2. Hager Companies: [www.hagerco.com](http://www.hagerco.com).
  3. National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
  4. Reese Enterprises, Inc.: [www.reeseusa.com](http://www.reeseusa.com).
  5. Zero International, Inc., an Allegion company: [www.zerointernational.com](http://www.zerointernational.com).
  6. Substitutions: See Section 01 6000 - Product Requirements.
- B. Astragals - Overlapping: Complying with BHMA A156.22.
  1. Basis-of-Design: 158NA; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
    - a. Provide either the named product or a comparable product by one of the other manufacturers specified.
  2. Where indicated, provide surface mounted overlapping astragal to cover space between pairs of doors for full door height.
  3. Type: Overlapping flat type, and with sealing gasket.
  4. Material: Aluminum, with santoprene weatherstripping.
  5. Comply with ASTM E283 for air infiltration.
  6. Comply with UL 10B and UL 10C for fire rated doors.
  7. Provide non-corroding fasteners at exterior locations.
- C. Astragal Seals: Complying with BHMA A156.22.
  1. Basis-of-Design: 115NA; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
    - a. Provide either the named product or a comparable product by one of the other manufacturers specified.
  2. Where indicated, provide surface mounted astragal seals to cover or fill space between pairs of doors for full door height.
  3. Type: Split, two parts, and with sealing gasket.



4. Material: Aluminum, with epdm weatherstripping.
5. Comply with ASTM E283 for air infiltration.
6. Comply with UL 10B and UL 10C for fire rated doors.
7. Provide non-corroding fasteners at exterior locations.

## 2.20 THRESHOLDS

### A. Manufacturers:

1. Pemko; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).
2. Hager Companies: [www.hagerco.com](http://www.hagerco.com).
3. National Guard Products, Inc: [www.ngpinc.com](http://www.ngpinc.com).
4. Reese Enterprises, Inc.; [www.reeseusa.com](http://www.reeseusa.com).
5. Zero International, Inc., an Allegion company: [www.zerointernational.com](http://www.zerointernational.com).
6. Substitutions: See Section 01 6000 - Product Requirements.

### B. Thresholds - Saddle:

1. Basis-of-Design - Standard Threshold: National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
  - a. Provide either the named product or a comparable product by one of the other manufacturers specified.
2. Material: Aluminum.
3. Threshold Surface: Fluted horizontal grooves across full width.
4. Comply with ICC A117.1 for barrier free threshold requirements.
5. Stop Strip: Where indicated, provide an applied stop strip.
  - a. Weatherstripping material: Santoprene.
  - b. Comply with ASTM E283 for air infiltration.
6. Field cut threshold to profile of frame and width of door sill for tight fit.
7. Provide non-corroding fasteners at all locations.

## 2.21 WEATHERSTRIPPING AND GASKETING

### A. Manufacturers:

1. Pemko; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).
2. Hager Companies: [www.hagerco.com](http://www.hagerco.com).
3. National Guard Products, Inc: [www.ngpinc.com](http://www.ngpinc.com).
4. Reese Enterprises, Inc.; [www.reeseusa.com](http://www.reeseusa.com).
5. Zero International, Inc., an Allegion company: [www.zerointernational.com](http://www.zerointernational.com).
6. Substitutions: See Section 01 6000 - Product Requirements.

### B. Weatherstripping: Complying with BHMA A156.22.

1. Basis-of-Design: 700NA; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).



- a. Provide either the named product or a comparable product by one of the other manufacturers specified.
2. Head and Jamb Type: Encased in retainer.
3. Material: Aluminum, with neoprene weatherstripping
4. Comply with ASTM E283 for air infiltration.
5. Comply with UL 10B and UL 10C for fire rated doors.
6. Provide weatherstripping on each exterior door at head and jambs, unless otherwise indicated. Weatherstripping shall be continuous without gaps.
- C. Fire and Smoke Gasketing: Complying with BHMA A156.22.
  1. Basis-of-Design: 5050C; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
    - a. Provide either the named product or a comparable product by one of the other manufacturers specified.
  2. Head and Jamb Type: Self-adhesive.
  3. Material: Silicone bulb gasketing.
  4. Comply with ASTM E283 for air infiltration.
  5. Comply with UL 10B and UL 10C for fire rated doors.
  6. Provide gasketing on each fire or smoke rated door at head and jambs, unless otherwise indicated. Gasketing shall be continuous without gaps.
- D. Sound and/or Light Seals: Complying with BHMA A156.22.
  1. Basis-of-Design: 700NA plus 5025C; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
    - a. Provide either the named products or a comparable product by one of the other manufacturers specified.
  2. Head and Jamb Type: Encased in retainer plus self-adhesive type.
  3. Material: Aluminum, with neoprene weatherstripping, plus TPE double batwing seal.
  4. Provide sound and/or light gasketing where indicated. Gasketing shall be continuous without gaps.

## 2.22 SWEEPS, DOOR BOTTOMS, AND SHOES

- A. Manufacturers:
  1. Pemko; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).
  2. Hager Companies: [www.hagerco.com](http://www.hagerco.com).
  3. National Guard Products, Inc: [www.ngpinc.com](http://www.ngpinc.com).
  4. Reese Enterprises, Inc.; [www.reeseusa.com](http://www.reeseusa.com).
  5. Zero International, Inc., an Allegion company: [www.zerointernational.com](http://www.zerointernational.com).
  6. Substitutions: See Section 01 6000 - Product Requirements.
- B. Bottom Sweeps: Complying with BHMA A156.22.
  1. Basis-of-Design: 200NA; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).



- a. Provide either the named product or a comparable product by one of the other manufacturers specified.
  2. Door Sweep Type: Encased in retainer.
  3. Material: Aluminum, with neoprene weatherstripping
  4. Comply with ASTM E283 for air infiltration.
  5. Comply with UL 10B and UL 10C for fire rated doors.
  6. Bottom sweep shall be continuous across entire length of door bottom.
  7. Provide door bottom sweep on each exterior door, unless otherwise indicated.
  8. Provide non-corroding fasteners at all locations.
- C. Automatic Door Bottoms: Complying with BHMA A156.22.
1. Basis-of-Design: 220NA; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
    - a. Provide either the named product or a comparable product by one of the other manufacturers specified.
  2. Automatic Door Bottom Type: Surface mounted automatic, encased in retainer.
  3. Material: Aluminum, with neoprene weatherstripping
  4. Comply with ASTM E283 for air infiltration.
  5. Comply with UL 10B and UL 10C for fire rated doors.
  6. Automatic door bottom shall be continuous across entire length of door bottom.
  7. Provide automatic door bottom on exterior doors where indicated.
  8. Provide non-corroding fasteners at all locations.
- D. Door Shoes: Complying with BHMA A156.22.
1. Basis-of-Design: 118N; National Guard Products, Inc.: [www.ngpinc.com](http://www.ngpinc.com).
    - a. Provide either the named product or a comparable product by one of the other manufacturers specified.
  2. Door Sweep Type: Door shoe with drip cap.
  3. Material: Aluminum, with neoprene weatherstripping
  4. Comply with ASTM E283 for air infiltration.
  5. Comply with UL 10B and UL 10C for fire rated doors.
  6. Door shoe shall be continuous across entire length of door bottom.
  7. Provide door shoe on exterior doors where indicated.
  8. Provide non-corroding fasteners at all locations.

## 2.23 ELECTRIC POWER TRANSFERS

- A. Manufacturers:
1. Basis-of-Design: EPT-10; Von Duprin; an Allegion company.
  2. Other acceptable manufacturers:



- a. Hager Companies: [www.hagerco.com](http://www.hagerco.com).
  - b. Securitron; an Assa Abloy Group company: [www.assaabloydss.com](http://www.assaabloydss.com).
  - c. Substitutions: See Section 01 6000 - Product Requirements.
- B. Electrified Power Transfer: Provide concealed mortised electric power and data transfer device; provides connection between frame and door with sufficient number and gage of conductors to accommodate function of hardware specified.
1. Material: Aluminum or steel.

#### 2.24 BI-PASSING HARDWARE SETS

- A. Manufacturers:
1. Basis-of-Design: 100SM Series; Johnson Hardware with Soft Close/Open. Furnish complete sets for proper door functionality of a 3-panel system. Omit the factory cup pulls.
  2. Other acceptable manufacturers:
    - a. Hager
    - b. Grant
    - c. Substitutions: See Section 01 6000 - Product Requirements.

#### 2.25 KEY CONTROL SYSTEMS

- A. Manufacturers:
1. Key control system manufacturer shall be the same as the core manufacturer.
  2. Match existing key control system using same manufacturer as existing system.
- B. Key Control Systems: Complying with guidelines of BHMA A156.28.
1. Provide keying information in compliance with DHI (KSN) standards.
  2. Hardware Supplier shall meet with Owner to finalize master keying system requirements and obtain any special keying instructions.
  3. Keying: Grand master keyed.
  4. Include construction keying.
  5. Key to existing keying system.
  6. Supply keys in following quantities:
    - a. Change Keys per cylinder or keyed alike group; 3.
    - b. Master Keys; 2 per master key group.
    - c. Grand Master Key; 2 per grand master key group.
    - d. Construction Core Keys per cylinder or keyed alike group; 2.

#### 2.26 FINISHES

- A. Finishes: Identified in Section 08 7100.01 - Door Hardware Sets.
- B. Comply with BHMA A156.18.



## **PART 3 EXECUTION**

### **3.01 EXAMINATION**

- A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
- B. Verify that electric power is available to power operated devices and of correct characteristics.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

### **3.02 INSTALLATION**

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.
- C. Install hardware for smoke and draft control doors in accordance with NFPA 105.
- D. Use templates provided by hardware item manufacturer.
- E. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.
  - 1. For Steel Doors and Frames: Install in compliance with DHI (LOCS) recommendations.
  - 2. For Wood Doors: Install in compliance with DHI WDHS.3 recommendations.
  - 3. Mounting heights in compliance with ADA Standards:
- F. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.

### **3.03 FIELD QUALITY CONTROL**

- A. Perform field inspection and testing under provisions of Section 01 4000 - Quality Requirements.
- B. Provide an Architectural Hardware Consultant (AHC) to inspect installation and certify that hardware and installation has been furnished and installed in accordance with manufacturer's instructions and as specified.
  - 1. AHC shall be provided by Contractor.
  - 2. AHC shall provide a written inspection report.

### **3.04 ADJUSTING**

- A. Adjust work under provisions of Section 01 7000 - Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

### **3.05 CLEANING**

- A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.
- B. Clean adjacent surfaces soiled by hardware installation.



- C. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

### 3.06 PROTECTION

- A. Protect finished Work under provisions of Section 01 7000 - Execution and Closeout Requirements.
- B. Do not permit adjacent work to damage hardware or finish.

### 3.07 HARDWARE SETS:

HW SET: 01

6	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
2	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	PANIC HARDWARE	RX-LD98L E996L CON	626	VON
1	EA	PANIC HARDWARE	RX-LD98EO CON	626	VON
1	EA	MORTISE	CYLINDER	626	SCH
1	EA	RIM	CYLINDER	626	SCH
1	EA	MULLION SEAL	5100N	BLK	NGP
2	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
2	EA	WIRE HARNESS	CON-6W		VON
1	EA	ELECTRICAL DRAWING	POINT TO POINT HOOK UP		VON
1	EA	ELECTRICAL DRAWING	RISER DIAGRAM		VON
1	EA	INTERCOM	BY INTERCOM CONTRACTOR		B/O
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O
1	EA	REMOTE LOCKDOWN	BY SECURITY CONTRACTOR		B/O
1	EA	REMOTE RELEASE	BY SECURITY CONTRACTOR		B/O

OPERATION: THE DOOR WILL BE NORMALLY LOCKED. THE DOOR WILL BE UNLOCKED VIA THE CARD READER AND THE INTERCOM REMOTE RELEASE. THE LOCK DOWN SIGNAL WILL OVERRIDE ALL UNLOCKING AND ENSURE THE DOOR IS LOCKED FROM THE PULL SIDE. THE PUSH SIDE OF THE DOOR WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCHES WILL BE MONITORED BY THE SECURITY SYSTEM.



HW SET: 02

1	EA	CONTINUOUS HINGE	224HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	EU MORTISE LOCK	RX-L9092BDCEU 03A CON	626	SCH
1	EA	ELECTROMAGNETIC LOCK	M420	628	SCE
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WIRE HARNESS	CON-44		VON
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	ELECTRICAL DRAWING	POINT TO POINT HOOK UP		VON
1	EA	ELECTRICAL DRAWING	RISER DIAGRAM		VON
2	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O
2	EA	REMOTE RELEASE	BY SECURITY CONTRACTOR		B/O

OPERATION: THE DOOR WILL ALWAYS BE LOCKED ON THE PUSH SIDE. THE DOOR WILL BE UNLOCKED FOR ACCESS TO LOBBY B101 VIA THE PUSH SIDE CARD READER AND THE (2) REMOTE RELEASE BUTTONS. DURING SCHOOL HOURS THE ACCESS CONTROL SCHEDULE WILL UNLOCK THE MAG LOCK TO PERMIT ENTRY ON THE PULL SIDE OF THE DOOR TO RECEPTION A101B. THE MAG LOCK WILL BE USED TO SECURE THE DOOR FROM THE LOBBY AFTER HOURS, AND DURING A LOCKDOWN. THE PULL SIDE CARD READER WILL BE USED TO RELEASE THE MAG LOCK AFTER SCHOOL HOURS. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM. LOCATE THE KEY FOR THE ELECTRIC LOCK ON THE PUSH SIDE OF THE DOOR.

HW SET: 03

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	CLASSROOM	ND70BDCD TLR	626	SCH
1	EA	OVERHEAD STOP	100S	630	GLY

HW SET: 04

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	OFFICE LOCK	ND53BDCD TLR	626	SCH
1	EA	WALL STOP	WS33	626	IVE

HW SET: 05

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PUSH PLATE	8200 6" X 16"	630	IVE
1	EA	PULL PLATE	8303-0 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP & HOLDER	WS45	626	IVE



HW SET: 06

1	EA	CONTINUOUS HINGE	112HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	PANIC HARDWARE	RX-QEL98NL CON	626	VON
1	EA	RIM	CYLINDER	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	DOOR SWEEP	C627A	CL	NGP
1	EA	THRESHOLD	8425	AL	NGP
1	SET	WEATHER SEAL	BY FRAME MFR.		B/O
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.

HW SET: 07

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BD CD TLR	626	SCH
1	EA	SURFACE CLOSER	4111 DEL SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 08

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PRIVACY SET	L9040 03A L583-363	626	SCH
1	EA	WALL STOP	WS33	626	IVE



HW SET: 09

1	EA	SLIDING DOOR HARDWARE	BY GLAZING CONTRACTOR	B/O
1	EA	INTERCOM	BY INTERCOM CONTRACTOR	B/O
1	EA	ACCESS CONTROL		
		SCHEDULE	BY SECURITY CONTRACTOR	B/O
1	EA	CARD READER	BY SECURITY CONTRACTOR	B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR	B/O
1	EA	REMOTE LOCKDOWN	BY SECURITY CONTRACTOR	B/O
1	EA	REMOTE RELEASE	BY SECURITY CONTRACTOR	B/O

OPERATION: THE DOOR WILL BE NORMALLY LOCKED. WHEN REQUIRED, THE DOOR WILL BE UNLOCKED VIA THE CARD READER, REMOTE RELEASE OR THE SCHEDULE OF THE ACCESS CONTROL SYSTEM PERMITTING ENTRY VIA THE AUTOMATIC SLIDING DOOR. WHERE REQUIRED, THE PANIC LOCK DOWN SIGNAL WILL OVERRIDE ALL UNLOCKING AND ENSURE THE DOOR IS LOCKED FROM THE SECURED SIDE. UNRESTRICTED EGRESS WILL BE PERMITTED AT ALL TIMES. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.

HW SET: 10

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PUSH PLATE	8200 6" X 16"	630	IVE
1	EA	PULL PLATE	8303-0 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE

HW SET: 11

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM	ND71BDCD TLR	626	SCH
1	EA	WALL STOP	WS33	626	IVE



HW SET: 12

1	EA	CONTINUOUS HINGE	224HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	PANIC HARDWARE	RX-LD98L E996L CON	626	VON
1	EA	RIM	CYLINDER	626	SCH
1	EA	SURFACE CLOSER	4111 EDA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.

HW SET: 13

6	EA	HINGE	5BB1HW 4.5 X 4.5	652	IVE
1	EA	MULLION	KR4954	689	VON
1	EA	PANIC HARDWARE	LD-98L-2 996L	626	VON
1	EA	MORTISE	CYLINDER	626	SCH
2	EA	RIM	CYLINDER	626	SCH
1	EA	MULLION SEAL	5100N	BLK	NGP
2	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 14

1	EA	CONTINUOUS HINGE	224HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	PANIC HARDWARE	RX-LD98L E996L CON	626	VON
1	EA	RIM	CYLINDER	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.



HW SET: 15

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE

HW SET: 16

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 17

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 18

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL ST-1544	689	LCN
1	EA	OVERHEAD STOP	100S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 19

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	FIRE EXIT HARDWARE	98L-NL-F 996L	626	VON
1	EA	SURFACE CLOSER	4111 DEL SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 20

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE



HW SET: 21

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL ST-1544	689	LCN
1	EA	OVERHEAD STOP	100S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 22

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 23

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	EU STOREROOM LOCK	RX-ND80BDCEU TLR 24VDC CON	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WIRE HARNESS	CON-38		VON
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.



HW SET: 24

1	EA	CYLINDER	AS REQUIRED FOR LOCKING DEVICE BY	SCH
			PACKAGED DOOR MFR.	
1	EA	BALANCE OF HARDWARE	BY PACKAGED DOOR MANUFACTURER	B/O
1	EA	FIRE PANEL POWER	BY FIRE ALARM CONTRACTOR	B/O
1	EA	CARD READER	BY SECURITY CONTRACTOR	B/O
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR	B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR	B/O

OPERATION: THE DOOR WILL BE HELD OPEN AND CONNECTED TO THE FIRE ALARM PANEL. UPON ACTIVATION OF THE SMOKE OR FIRE DETECTION SYSTEM, THE DOOR WILL RELEASE TO CLOSE AND LATCH. WHERE REQUIRED, WHEN THE DOOR IS LOCKED, THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES.

HW SET: 25

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PANIC HARDWARE	LD-98L 996L	626	VON
1	EA	RIM	CYLINDER	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 26

6	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
2	EA	MANUAL FLUSH BOLT	FB458	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
2	EA	OVERHEAD STOP	900S	630	GLY
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE



HW SET: 27

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	CONTINUOUS HINGE	224HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	EU MORTISE LOCK	RX-L9092BDCEU 03A CON	626	SCH
1	EA	ELECTROMAGNETIC LOCK	M420	628	SCE
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WIRE HARNESS	CON-44		VON
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	ELECTRICAL DRAWING	POINT TO POINT HOOK UP		VON
1	EA	ELECTRICAL DRAWING	RISER DIAGRAM		VON
2	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O
2	EA	REMOTE RELEASE	BY SECURITY CONTRACTOR		B/O

OPERATION: THE DOOR WILL ALWAYS BE LOCKED ON THE PULL SIDE. THE DOOR WILL BE UNLOCKED FOR ACCESS TO CORRIDOR C100 VIA THE PULL SIDE CARD READER AND THE (2) REMOTE RELEASE BUTTONS. DURING SCHOOL HOURS THE ACCESS CONTROL SCHEDULE WILL UNLOCK THE MAG LOCK TO PERMIT ENTRY ON THE PUSH SIDE OF THE DOOR TO WAITING C101. THE MAG LOCK WILL BE USED TO SECURE THE DOOR FROM THE CORRIDOR AFTER HOURS, AND DURING A LOCKDOWN. THE PUSH SIDE CARD READER WILL BE USED TO RELEASE THE MAG LOCK AFTER SCHOOL HOURS. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM. LOCATE THE KEY FOR THE ELECTRIC LOCK ON THE PUSH SIDE OF THE DOOR.

HW SET: 28

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM	ND70BDCE TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL ST-1544	689	LCN
1	EA	OVERHEAD STOP	100S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 29

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	OFFICE LOCK	ND53BDCE TLR	626	SCH
1	EA	OVERHEAD STOP	100S	630	GLY

HW SET: 30

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM LOCK	L9071BDC 03A	626	SCH
1	EA	OVERHEAD STOP	100S	630	GLY



HW SET: 31

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PRIVACY W/INDICATOR	L9040 03A L583-363 L283-722	626	SCH
1	EA	OVERHEAD STOP	100S	630	GLY

HW SET: 32

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM	ND70BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011T	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE

HW SET: 33

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	OFFICE LOCK	ND53BDCD TLR	626	SCH
1	EA	WALL STOP	WS33	626	IVE

HW SET: 34

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PUSH PLATE	8200 6" X 16"	630	IVE
1	EA	PULL PLATE	8303-0 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE



HW SET: 35

1	EA	CONTINUOUS HINGE	112HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	PANIC HARDWARE	CX98NL CON	626	VON
1	EA	MORTISE	CYLINDER	626	SCH
1	EA	RIM	CYLINDER	626	SCH
1	EA	ELECTRIC STRIKE	6300	630	VON
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	DOOR SWEEP	C627A	CL	NGP
1	EA	THRESHOLD	8425	AL	NGP
1	SET	WEATHER SEAL	BY FRAME MFR.		B/O
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

ATTENTION: THE DELAYED EGRESS LOCKING SYSTEM AS SPECIFIED AND DESCRIBED REQUIRES A VARIANCE AND APPROVAL FROM THE AUTHORITY HAVING JURISDICTION.

OPERATION: THE CARD READER ON THE PULL SIDE WILL UNLOCK THE DOOR FOR ENTRY. THE CARD READER ON THE PUSH SIDE WILL UNLOCK THE DOOR FOR EGRESS WITHOUT SOUNDING THE ALARM HORN. PRESSING THE PANIC HARDWARE WILL PERMIT EGRESS AFTER AN IRREVERSIBLE 15-SECOND DEALY, SOUNDING THE ALARM HORN UNTIL RESET MANUALLY. THE DELAYED EGRESS LOCKING SYSTEM SHALL DEACTIVATE UPON ACTUATION OF THE AUTOMATIC SPRINKLER OR FIRE DETECTION SYSTEM AND LOSS OF POWER TO ALLOW FREE EGRESS. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.

HW SET: 36

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4111 DEL SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 37

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PRIVACY SET	L9040 03A L583-363	626	SCH
1	EA	WALL STOP	WS33	626	IVE



HW SET: 38

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	REVERSE PUSH LATCH	1591 2-3/4 BS X 3652	626	TRI
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE

NOTE: INSTALL THE REVERSE LATCH AND DOOR CLOSER ON THE PULL SIDE OF THE DOOR.

HW SET: 39

2	EA	CONTINUOUS HINGE	224HD	628	IVE
2	EA	LATCHING FLUSH BOLT	FB31P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
2	EA	SURFACE CLOSER	4011 DEL	689	LCN
2	EA	OVERHEAD STOP	900S	630	GLY
1	EA	COORDINATOR	COR X FL	628	IVE
2	EA	ARMOR PLATE	8401 34" X 1" LDW B-CS	630	IVE
1	SET	SEALS	2525B	BRN	NGP
1	EA	ASTRAGAL SEAL	5070CL	CLR	NGP

NOTE: LOCATE THE KEY ON THE PUSH SIDE OF THE DOOR.

HW SET: 40

2	EA	CONTINUOUS HINGE	112HD	628	IVE
2	EA	CONTINUOUS HINGE	112HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
2	EA	MANUAL FLUSH BOLT	FB458	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	EU MORTISE LOCK	RX-L9092BDCEU 03A CON	626	SCH
2	EA	SURFACE CLOSER	4111 SHCUSH ST-1586	689	LCN
2	EA	ARMOR PLATE	8400 34" X 1" LDW B-CS	630	IVE
1	SET	SEALS	700NA	CL	NGP
2	EA	DOOR SWEEP	C627A	CL	NGP
1	EA	THRESHOLD	425HD	AL	NGP
1	EA	WIRE HARNESS	CON-38		VON
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCHES WILL BE MONITORED BY THE SECURITY SYSTEM.



HW SET: 41

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	STORE LOCK	L9066BDC 03A	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	ARMOR PLATE	8400 34" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 42

1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	PANIC HARDWARE	LD-98L 996L	626	VON
1	EA	RIM	CYLINDER	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 43

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE

HW SET: 44

1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE

HW SET: 45

1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	PRIVACY W/INDICATOR	L9040 03A L583-363 L283-722	626	SCH
1	EA	OVERHEAD STOP	100S	630	GLY

HW SET: 46

1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	OFFICE LOCK	ND53BDCD TLR	626	SCH
1	EA	WALL STOP	WS33	626	IVE



HW SET: 47

1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL ST-1544	689	LCN
1	EA	OVERHEAD STOP	100S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 48

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	WALL STOP	WS33	626	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 49

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PANIC HARDWARE	LD-98L-NL 996L-NL	626	VON
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 50

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	EU STOREROOM LOCK	RX-ND80BDCEU TLR 24VDC CON	626	SCH
1	EA	SURFACE CLOSER	4111 EDA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE
1	EA	WIRE HARNESS	CON-38		VON
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.



HW SET: 51

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	WALL STOP	WS33	626	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 52

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	OFFICE LOCK	ND53BDCD TLR	626	SCH
1	EA	OVERHEAD STOP	100S	630	GLY

HW SET: 53

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PRIVACY SET	L9040 03A L583-363	626	SCH
1	EA	OVERHEAD STOP	100S	630	GLY

HW SET: 54

1	EA	CONTINUOUS HINGE	224HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	EU STOREROOM LOCK	RX-ND80BDCEU TLR 24VDC CON	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WIRE HARNESS	CON-38		VON
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.

HW SET: 55

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM	ND70BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE



HW SET: 56

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	OVERHEAD STOP	410S	630	GLY

HW SET: 57

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	REVERSE PUSH LATCH	1591 2-3/4 BS X 3652	626	TRI
1	EA	SURFACE CLOSER	4011 ST-1544	689	LCN
1	EA	OVERHEAD STOP	100S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

NOTE: INSTALL THE REVERSE LATCH AND DOOR CLOSER ON THE PULL SIDE OF THE DOOR.

HW SET: 58

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM	ND70BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	OVERHEAD STOP	900S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 59

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	PRIVACY SET	L9040 03A L583-363	626	SCH
1	EA	OVERHEAD STOP	100S	630	GLY



HW SET: 60

2	EA	CONTINUOUS HINGE	112HD-EPT	628	IVE
2	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	PANIC HARDWARE	RX-LD98EO CON	626	VON
1	EA	PANIC HARDWARE	RX-QEL98NL CON	626	VON
1	EA	MORTISE	CYLINDER	626	SCH
1	EA	RIM	CYLINDER	626	SCH
1	EA	REM. MULLION	SL-60E-KR	628	SPE
2	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
2	EA	DOOR SWEEP	C627A	CL	NGP
1	EA	THRESHOLD	8425	AL	NGP
2	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.

HW SET: 61

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM	ND70BD CD TLR	626	SCH
1	EA	WALL STOP & HOLDER	WS45	626	IVE

HW SET: 62

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM	ND70BD CD TLR	626	SCH
1	EA	SURFACE CLOSER	4011 DEL	689	LCN
1	EA	WALL STOP & HOLDER	WS45	626	IVE



HW SET: 63

2	EA	CONTINUOUS HINGE	224HD-EPT	628	IVE
2	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	MULLION	KR4954	689	VON
1	EA	PANIC HARDWARE	RX-LD98L E996L CON	626	VON
1	EA	PANIC HARDWARE	RX-LD98EO CON	626	VON
2	EA	MORTISE	CYLINDER	626	SCH
1	EA	RIM	CYLINDER	626	SCH
1	EA	MULLION SEAL	5100N	BLK	NGP
1	EA	SURFACE CLOSER	4111 EDA	689	LCN
1	EA	SENTRONIC CLOSER	4040SE 24V	689	LCN
1	EA	OVERHEAD STOP	100SE	630	GLY
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	MAGNETIC HOLD-OPEN	SEM7850	AL	LCN
2	EA	WIRE HARNESS	CON-6W		VON
1	EA	FIRE PANEL POWER	BY FIRE ALARM CONTRACTOR		B/O
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

NOTE: LOCATE THE ELECTRIFIED LEVER TRIM AND ELECTRIFIED CLOSER ON THE LHR DOOR LEAF.

OPERATION: THE DOORS WILL BE HELD OPEN AND CONNECTED TO THE FIRE ALARM PANEL. UPON ACTIVATION OF THE SMOKE OR FIRE DETECTION SYSTEM, THE DOORS WILL RELEASE TO CLOSE AND LATCH. WHEN THE DOOR IS LOCKED, THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES.

HW SET: 64

2	EA	CONTINUOUS HINGE	224HD	628	IVE
1	SET	CONST LATCHING BOLT	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4111 EDA	689	LCN
2	EA	OVERHEAD STOP	100S	630	GLY
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE

HW SET: 65

1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	MORTISE DEADBOLT	L9462BDC	626	SCH
1	EA	PUSH PLATE	8200 6" X 16"	630	IVE
1	EA	PULL PLATE	8303-0 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN



HW SET: 66

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	DOUBLE EU LOCK	L9095BDCEU 03A 24VDC	626	SCH
1	EA	SURFACE CLOSER	4011	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE
1	EA	WIRE HARNESS	CON-38		VON
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
1	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER ON BOTH SIDES OF THE DOOR WILL UNLOCK THE DOOR FOR ENTRY. THE DOOR POSITION SWITCH WILL BE MONITORED BY THE SECURITY SYSTEM.

HW SET: 67

2	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	MULLION	KR4954	689	VON
2	EA	PANIC HARDWARE	LD-98L 996L	626	VON
1	EA	MORTISE	CYLINDER	626	SCH
2	EA	RIM	CYLINDER	626	SCH
1	EA	MULLION SEAL	5100N	BLK	NGP
2	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 68

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PANIC HARDWARE	LD-98L-2 996L	626	VON
2	EA	RIM	CYLINDER	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 69

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	CLASSROOM	ND70BDCEU TLR	626	SCH
1	EA	WALL STOP	WS33	626	IVE



HW SET: 70

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	FIRE EXIT HARDWARE	98L-NL-F 996L	626	VON
1	EA	RIM	CYLINDER	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 71

3	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	SEALS	2525B	BRN	NGP

HW SET: 72

1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	CONTINUOUS HINGE	112HD-EPT	628	IVE
1	EA	POWER TRANSFER	EPT-10 CON	689	VON
1	EA	PANIC HARDWARE	RX-QEL9875NL 990NL CON	626	VON
2	EA	MANUAL FLUSH BOLT	FB458	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	MORTISE	CYLINDER	626	SCH
2	EA	SURFACE CLOSER	4111 SCUSH	689	LCN
2	EA	DOOR SWEEP	C627A	CL	NGP
1	EA	THRESHOLD	8425	AL	NGP
1	SET	WEATHER SEAL	BY FRAME MFR.		B/O
1	EA	WIRE HARNESS	CON-38		VON
1	EA	WIRE HARNESS	CON-6W		VON
1	EA	CARD READER	BY SECURITY CONTRACTOR		B/O
2	EA	DOOR POSITION SWITCH	BY SECURITY CONTRACTOR		B/O
1	EA	POWER SUPPLY	BY SECURITY CONTRACTOR		B/O

OPERATION: THE CARD READER WILL UNLOCK THE DOOR FOR ENTRY. THE INSIDE HARDWARE WILL PERMIT EGRESS AT ALL TIMES. THE DOOR POSITION SWITCHES WILL BE MONITORED BY THE SECURITY SYSTEM.

HW SET: 73

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	CLASSROOM LOCK	L9071BDC 03A	626	SCH
1	EA	WALL STOP	WS33	626	IVE



HW SET: 74

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PRIVACY W/INDICATOR	L9040 03A L583-363 L283-722	626	SCH
1	EA	WALL STOP	WS33	626	IVE

HW SET: 75

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PUSH PLATE	8200 6" X 16"	630	IVE
1	EA	PULL PLATE	8303-0 4" X 16"	630	IVE
1	EA	SURFACE CLOSER	4011 ST-1544	689	LCN
1	EA	OVERHEAD STOP	100S	630	GLY
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE

HW SET: 76

1	EA	CONTINUOUS HINGE	112HD	628	IVE
1	EA	STOREROOM LOCK	ND80BDCD TLR	626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689	LCN

HW SET: 77

2	EA	MORTISE	CYLINDER	626	SCH
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NOTE: THE BALANCE OF HARDWARE IS FURNISHED BY THE GATE MANUFACTURER.

HW SET: 78

1	EA	CONTINUOUS HINGE	224HD	628	IVE
1	EA	PANIC HARDWARE	98L-NL 996L	626	VON
1	EA	RIM	CYLINDER	626	SCH
1	EA	SURFACE CLOSER	4111 EDA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS33	626	IVE

HW SET: 79

6	EA	HINGE	5BB1 4.5 X 4.5	652	IVE
2	EA	MANUAL FLUSH BOLT	FB458	626	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	CLASSROOM LOCK	ND70BDCD TLR	626	SCH
2	EA	OVERHEAD STOP	410S	630	GLY



HW SET: 80

1	SET	3-PANEL BI-PASS HDW	100SM X SOFT CLOSE/OPEN	AL	JOH
2	EA	BOX TRACK	100SM X SOFT CLOSE/OPEN	AL	JOH
4	EA	FLUSH PULL	1115	630	TRI

NOTE: DO NOT FURNISH THE FACTORY SUPPLIED CUP PULLS. INSTALL TWO FLUSH PULLS ON EACH END OF THE CENTER PANEL.

END OF SECTION





## Request for Information .015

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel:    Fax:	

**RFI #: .015**

**Date Created: 6/3/2020**

**Answer Company**

**Answered By**

**Author Company**

**Authored By**

Mitchell and Mouat Architects  
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Ann Arbor, MI 48104

Mark Borys

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Tanner Rowe

**Co-Respondent**

**Author RFI Number**

**Subject**

Pre-bid BP 3 - Casework Clarification

**Discipline**

Architectural

**Category**

Clarification

**Cc:    Company Name**

**Contact Name**

**Copies    Notes**

**Question**

**Date Required: 6/10/2020**

[6/3/2020 12:25 PM Clark Construction Company - Tanner Rowe]

How do we distinguish architectural millwork cabinets from manufactured plastic laminate cabinets? (example: elevation 13/A7.2-BP3 and casework legend on sheet A6.1-BP3)

**Answer**

**Date Answered: 6/8/2020**

[6/8/2020 3:32 PM Clark Construction Company - Tanner Rowe]

[6/8/2020 2:59 PM Mitchell and Mouat Architects - Mark Borys]

All cabinetry that is elevated and detailed/sectioned shall be millwork and constructed as detailed.

All cabinetry that is noted in Enlarged Plans with an alpha-numeric tag is casework (base and/or wall cabinets) that shall be equal in design to the TMI Inc. description associated with the tag as noted in the Casework Legend.





## Request for Information .016

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel: Fax:	

**RFI #: .016**

**Date Created: 6/3/2020**

**Answer Company**

**Answered By**

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**Author RFI Number**

**Subject**

Pre-bid BP 3 - Countertop Clarification

**Discipline**

Architectural

**Category**

Clarification

**Cc: Company Name**

**Contact Name**

**Copies Notes**

**Question**

**Date Required: 6/10/2020**

[6/3/2020 12:26 PM Clark Construction Company - Tanner Rowe]

How do we distinguish plastic laminate countertops from solid surface countertops?

**Answer**

**Date Answered: 6/8/2020**

[6/8/2020 2:34 PM Clark Construction Company - Tanner Rowe]

[6/8/2020 11:14 AM Mitchell and Mouat Architects - Mark Borys]

There should be no plastic laminate countertops on this Project.





## Request for Information .017

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel: Fax:	

**RFI #: .017**

**Date Created: 6/3/2020**

**Answer Company**

**Answered By**

**Author Company**

**Authored By**

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**Co-Respondent**

**Author RFI Number**

**Subject**

Pre-bid BP 3 - Spec Section 08 7100 Integrated  
Door Opening and Assemblies Clarification

**Discipline**

Specifications

**Category**

Clarification

**Cc: Company Name**

**Contact Name**

**Copies Notes**

**Question**

**Date Required: 6/10/2020**

[6/3/2020 12:28 PM Clark Construction Company - Tanner Rowe]

Can you please confirm you intended to include Spec Section 081700 Integrated Door Opening Assemblies in Bid Category 08A – Entrances and Storefront scope? And if so, does this Spec Section apply to Doors #C100.1, D100.1, F100.1, G100.1 and K100.1?

**Answer**

**Date Answered: 6/8/2020**

[6/8/2020 10:56 AM Clark Construction Company - Tanner Rowe]

No, that was an error. Spec section 08 1700 Integrated Door Opening Assemblies are to be part of bid category 08B - Hollow Metal Doors, Frames and Hardware.



## Request for Information .018

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel:    Fax:	

**RFI #: .018**

**Date Created: 6/3/2020**

**Answer Company**

**Answered By**

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**Co-Respondent**

**Author RFI Number**

**Subject**

Pre-bid BP 3 - Spec Section 12 3216 Casework  
Hardware Clarification

**Discipline**

Specifications

**Category**

Specification Clarification

**Cc: Company Name**

**Contact Name**

**Copies    Notes**

**Question**

**Date Required: 6/10/2020**

[6/3/2020 1:09 PM Clark Construction Company - Tanner Rowe]

Refer to specification section 12 3216 manufactured plastic laminate-clad casework—item 2.04B: the architect has indicated 3 knuckle hinges. Will it be acceptable to use 5-knuckle hinges? They are much more durable in a school environment.

**Answer**

**Date Answered: 6/3/2020**

[6/4/2020 9:20 AM Clark Construction Company - Tanner Rowe]

[6/3/2020 2:25 PM Mitchell and Mouat Architects - Mark Borys]

By MaMA/TMP - Yes, 5-knuckle hinges are acceptable.





## Request for Information .019

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel:    Fax:	

**RFI #: .019**

**Date Created: 6/4/2020**

**Answer Company**

**Answered By**

**Author Company**

**Authored By**

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Tanner Rowe

**Co-Respondent**

**Author RFI Number**

**Subject**

Pre-bid BP 3 - Fire Alarm and Security Clarification

**Discipline**

Electrical

**Category**

Clarification

**Cc:    Company Name**

**Contact Name**

**Copies    Notes**

**Question**

**Date Required: 6/11/2020**

[6/4/2020 3:02 PM Clark Construction Company - Tanner Rowe]

Is there a designated fire alarm contractor for this school district?

What about Security? Is the electrical contractor to provide the rough-in only for the district security vendor?

**Answer**

**Date Answered: 6/8/2020**

[6/8/2020 10:52 AM Clark Construction Company - Tanner Rowe]

There is no designated fire alarm contractor for the district.

Bid cat. 26 - Electrical to provide rough in for access control contractor.





## Request for Information .022

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel:    Fax:	

**RFI #: .022**

**Date Created: 6/8/2020**

**Answer Company**

**Answered By**

**Author Company**

**Authored By**

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Tanner Rowe

**Co-Respondent**

**Author RFI Number**

**Subject**

Pre-bid BP 3 - Bid Cat. 26 - AV Clarification

**Discipline**

Electrical

**Category**

Clarification

**Cc:    Company Name**

**Contact Name**

**Copies    Notes**

**Question**

**Date Required: 6/15/2020**

[6/8/2020 7:17 AM Clark Construction Company - Tanner Rowe]

Please advise/confirm if Bid Category 26 is responsible for the AV system complete or just the raceways and boxes to accommodate wiring and hardware by others?

**Answer**

**Date Answered: 6/8/2020**

[6/8/2020 10:50 AM Clark Construction Company - Tanner Rowe]

Bid category 26 - Electrical is responsible for the AV system complete as noted in the drawings and as outline in specification 27 4116.

Structured cabling, access control and video surveillance is by others.





## Request for Information .023

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel:    Fax:	

**RFI #: .023**

**Date Created: 6/8/2020**

**Answer Company**

**Answered By**

**Author Company**

**Authored By**

Clark Construction Company  
3535 Moores River Drive  
Lansing, MI 48911

Tanner Rowe

**Co-Respondent**

**Author RFI Number**

**Subject**

Pre-bid BP 3 - Access Control Clarification

**Discipline**

Electrical

**Category**

Clarification

**Cc:    Company Name**

**Contact Name**

**Copies    Notes**

**Question**

**Date Required: 6/15/2020**

[6/8/2020 7:18 AM Clark Construction Company - Tanner Rowe]

The plans reference the access control system and details are shown for rough-in with notes. There is not a specification for the card access system to reference manufacturer requirements. Is bid category 26 - Electrical only providing a rough-in per the details shown? Is this bid category providing a fully functional system? If so, please provide a specification for the access control system.

**Answer**

**Date Answered: 6/8/2020**

[6/8/2020 10:49 AM Clark Construction Company - Tanner Rowe]

Correct, electrical contractor to provide rough in for access control contractor. Access control contractor provided by owner.





## Request for Information .024

Detailed, With No Comments

<b>Washtenaw ISD High Point School</b>	<b>Project # 19-2832</b>	<b>Clark Construction Company</b>
	Tel: Fax:	

**RFI #: .024**

**Date Created: 6/8/2020**

**Answer Company**

**Answered By**

**Author Company**

**Authored By**

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Tanner Rowe

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Tanner Rowe

**Co-Respondent**

**Author RFI Number**

**Subject**

Pre-bid BP 3 - Existing Conditions of Pool and Gym

**Discipline**

Architectural

**Category**

Addendum

**Cc: Company Name**

**Contact Name**

**Copies Notes**

**Question**

[6/8/2020 8:00 AM Clark Construction Company - Tanner Rowe]  
See attached photos for exiting conditions.

**Date Required: 6/15/2020**

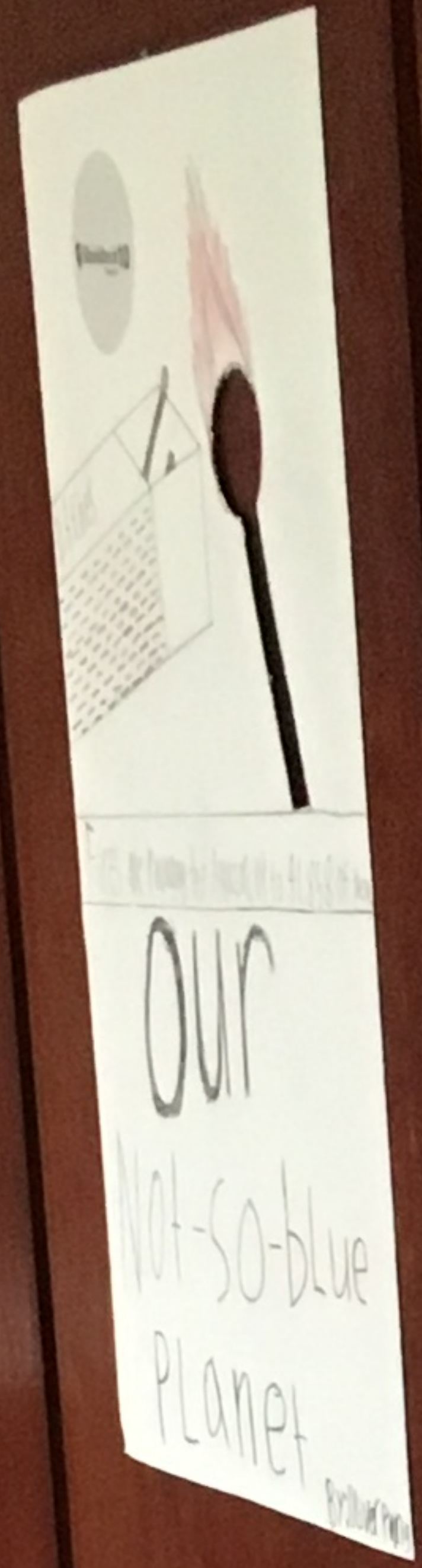
**Answer**

[6/8/2020 8:00 AM Clark Construction Company - Tanner Rowe]  
See attached photos for exiting conditions.

**Date Answered:**



## EXTERIOR GYM WALL



← Just Us Club  
← Pool / Cafetorium  
← Girl's Locker room  
← C Wing



orium  
r room

EXTERIOR GYM WALL





EXTERIOR POOL WALL  
ON SOUTH SIDE





EXTERIOR POOL WALL  
ON SOUTH SIDE





PERIOD  
HIGH POINT VISITOR

INTERIOR GYM SOUTH  
WALL/ OFFICE AREA





INTERIOR GYM EAST  
WALL





INTERIOR GYM WEST  
AND NORTH WALL