SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

	· ·	•		•		•			
Α	ADDENDUM NO.	1	DATED	2/16/2021	ADDENDUM NO.	DATED			
Α	ADDENDUM NO	2	DATED	2/18/2021	ADDENDUM NO.	DATED		1	
A	ADDENDUM NO		DATED		ADDENDUM NO.	DATED			
Numbe	er	Descri	ption		TOTAL ADDENDA:	<u>2</u>			
1	Replace Section 00 0 13 with same; Add So EBSx Download Requ	ection 06			(Must agree with total ad Respectfully Submitted,	denda issued prior to	opening of	bids)	
2 Replace Section 00 01 10 with same; Replace Section 00 91 13 with same; Replace Section 08 41 18 with same; Replace Section 08 71 00 with same; Revise Plan Sheet 25; Amendment EBSx Download Required			ame; Replace	DATE	3	-			
					BY	Contractor			
						Signature			
					TITLE				
					ADDRESS				
					CITY, STATE, ZIP				
					PHONE				
					FAX				
				$(O)_{ij}$	E-MAIL				
(To	be filled in if a corpora	ntion)							
	r corporation is chartered es and business addresse						and	the	names,
	Pres	sident				Address			
	Sec	retary	•			Address			
	Trea	asurer				Address			

The following is my (our) itemized proposal.

BWO-9021-25(010)/ 503251301000

Hinds County(ies)

Revised 01/26/2016

Addendum No. Two 2-17-2021

DOCUMENT 00 01 10 TABLE OF CONTENTS

PROJECT: ADMINISTRATION BUILDING – 3rd FLOOR

RENOVATIONS

JACKSON, HINDS COUNTY, MISSISSIPPI

PROJECT NUMBER: BWO-9021-25(010) 503251

DATE: 2-17-2021

DESCRIPTION A: This Work shall consist of all construction work necessary in constructing the Administration Building - 3rd Floor Renovations in Jackson, Hinds County, Mississippi, in accordance with these Specifications and conforming with the Drawings.

It is the intention of these Specifications to provide the necessary items and instruction for a building renovation including all code compliance. Omission of items or instruction necessary or considered standard good practice for the proper installation and construction of the building renovation shall not relieve the Contractor of furnishing and installing such items and conforming to the building codes having jurisdiction.

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00 01 10	TABLE OF CONTENTS	5
00 01 15	LIST OF DRAWING SHEETS	2
	BIDDING REQUIREMENTS	
00 21 13	INSTRUCTION TO BIDDERS	6
00 21 13	SUPPLEMENTARY INSTRUCTIONS TO BIDDERS	2
00 22 13	COLL ELMENTARY INCOMO TO BIDDERO	2
	CONTRACTING REQUIREMENTS	
00 72 00	GENERAL CONDITIONS	1
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01 26 00	CONTRACT MODIFICATION PROCEDURES	2

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01 31 00	PROJECT MANAGEMENT AND COORDINATION	8
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ADDENDUM No. 2 DOCUMENT 00 91 13-B

DATE: FEBRUARY 17, 2021

PROJECT: UPGRADE OF ADMINISTRATION BUILDING HVAC CONTROL

SYSTEM & 3RD FLOOR SPACE REALLOCATION

PROJECT NUMBER: BWO-9021-25(010) / 503251-301000

PART 1 - GENERAL

1.01 DESCRIPTION

A. Bidders are hereby advised that the following changes are to be made to this Contract. Addendum No. Two contains 1 page plus 33 pages for a total of 34 pages and attached 1 Drawing as listed below.

1.02 SPECIFICATIONS

- A. Document Number 00 01 10 Table of Contents, has been revised to reflect updated sheet numbers for Section 08 41 18 Interior Aluminum Storefront. Delete Document 00 01 10 Table of Contents and replace with attached Document 00 01 10 Table of Contents with Revised date of 2-17-2021 (5 pages).
- B. Delete Section 08 41 18 Interior Aluminum Storefront and replace with Section 08 41 18 Interior Aluminum Storefront (5 pages) with a Revised date of 2-17-2021.
- C. Delete Section 08 71 00 Door Hardware and replace with Section 08 71 00 Door Hardware (23 pages) with a Revised date of 2-17-2021.

1.03 DRAWINGS

A. Working No. A600, revised door schedule and details. Delete Working No. A600 and replace with Working No. A600 with Revision 1 dated 2-17-2021.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION

SECTION 08 41 18

INTERIOR ALUMINUM STOREFRONT

PART 1 - GENERAL

1.01 SUMMARY

- A. Furnish labor, materials, tools, equipment, and services for Interior Aluminum Door and Window Frames, as indicated, in accordance with provisions of Contract Documents.
- B. Completely coordinate with work of other trades.

1.02 QUALITY ASSURANCE

- A. Provide complete system including sills, mullions, division bars, special shapes, anchors and accessories under single responsibility.
- B. Provide structural strength to meet performance requirements.
- Fabrication, tolerance, erection and finishing standards: Applicable standards of AA, AAMA and AWS.
- D. Installer qualifications: Engage an experienced installer who has completed installations of all glass entrances similar in design and extent to those required for the project and whose work has resulted in construction with a record of successful in service performance.
- E. Manufacturer's qualifications: Provide all glass entrances produced by a firm experienced in manufacturing entrance systems that are similar to those indicated for this project and that have a record of successful in service performance. All door rail systems must be tested.
- F. Single Source Responsibility: Obtain all glass entrance systems from a single manufacturer to ensure full compatibility and warranty of parts.
- G. Safety Glass Standard: Provide tempered glass components that comply with ANSI Z97.1and testing requirements of CPSC 16CFR Part 1201 for Category II materials.

1.03 SUBMITTALS

- A. Shop Drawings: Elevations, sections and details.
- B. Samples: Three aluminum finish range samples.
- C. Project Information: Certified, independent test reports verifying requirements.
- D. Contract Closeout Information:
 - 1. Warranty.
 - 2. Maintenance data.

1.04 WARRANTY

A. Manufacturer's standard warranty agreeing to repair or replace work performed under this section which fails.

1. Failure includes defects in anodized finish including cracking, crazing, flaking, blistering, or combination thereof.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. Aluminum Door and Window Frames:
 - 1. Base:
 - a. C.R. Laurence Co.
 - 2. Optional:
 - a. EFCO Corp.
 - b. Oldcastle Building Envelope

2.02 MATERIALS

- A. Interior, non-fire rated, fixed window frames and doors.
- B. Framing:
 - 1. Base Product: 250 Series Entrance Door System from C.R. Laurence Co

C. Hardware

- Rail Configuration: Full width at top and bottom of doors including thin vertical stiles, as indicated on drawings
- Rails (square): Top or bottom rail height: 3-3/8" (86 mm) in aluminum, 3-9/16" (91 mm) when clad
- 3. Vertical Stiles: 1/2" (12 mm) wide on elevation
- 4. Handles: CRL Model AVDB4100 Handle F.
- 5. Door Closers: Overhead Concealed Closer to be CRL Jackson 20-330 Series with appropriate spring size. Bottom Pivot to be CRL/Blumcraft 34-24.
- 6. Accessory Fitting: Provide manufacturer's standard accessory fittings of the type indicated. Comply with requirements indicated for kind and form of metal and finish of door fittings.
 - a. Overhead Door Stop: Provide overhead door stop systems.
 - b. Sidelite Systems: Provide aidelite systems with matching glass, metal rail, and finish of door. All exposed glass edges to be bright flat polish. Stiles are optional.
- 7. Weatherstripping: Can be installed in the T-slots of the top and bottom door rails and vertical stiles to help reduce air and water infiltration. The weatherstripping shall be pile and replaceable without removing doors from opening.
- D. Brackets, anchors and reinforcements:
 - 1. Aluminum wherever possible.
 - 2. Where steel is used: Include dissimilar metals protection to prevent galvanic action.

E. Fasteners:

 Manufacturer's standard concealed anchors and fastenings. Do not use exposed fasteners.

F. Sealants:

- 1. See Section 07 92 16.
- 2. Use exposed sealants of color to match aluminum finish.
- Provide sealants and caulking required within and around units as work of this section.

G. Glass:

- Comply with ASTM C1048, Kind FT (fully tempered), Condition A (uncoated), Type I (transparent, flat), Class 1 (clear), Quality q3 glazing select). Provide glass complying with requirements of CPSC 16CFR, Part 1201 for Category II materials.
- 2. Thickness: 5/8"
- 3. All glass fabrication to be completed before tempering.
- 4. Glass to be tempered horizontally, visible tong marks or tong mark distortions are not permitted.

2.03 FINISHES

A. Anodic finish:

- 1. Architectural Class I per AAMA 611: 2-step electrolytic.
- 2. Minimum Coating Thickness: 0.7 mils.
- 3. Color: No. 14, Clear, AAM10C21A41.

2.04 FABRICATION

- A. General: Fabricate all glass entrance components to designs and sizes indicated. Size of door and profile requirements of fittings and hardware are indicated on the drawings.
 - Locate and provide holes and cutouts in glass to receive hardware before tempering glass. Do not permit cutting, drilling or other alterations to glass after tempering.
 - 2. Fabricate work to accommodate required fittings, hardware, anchors, reinforcement, and accessory items.
- B. Prefabrications: Complete fabrication, assembly, finishing, hardware application and other work to the greatest extent possible before shipment to the project site. Disassemble components only as necessary for shipment and installation.
- C. Continuity: Maintain accurate relation of planes and angles with hairline fit of contracting members.
- D. Accommodate expansion, and structural movement of adjacent materials.
- E. Fit and assemble work at shop to maximum extent possible.
 - 1. Accurately fit and secure joints and corners.
 - 2. Make flush, hairline joints.
 - 3. Maintain true continuity of line and accurate relation of planes and angles.
 - Weld by methods recommended by manufacturer and AWS to avoid discoloration at welds.
 - 5. Grind exposed welds smooth and restore finish.
 - 6. Ease corners of cut edges to radius of 1/64 IN.

- F. Prepare components to receive anchor devices.
 - 1. Fabricate anchors.
 - Provide secure attachment and support at joints, with hairline fit of contacting members.
 - 3. Reinforce work as necessary to withstand lateral loadings and to support system.
 - 4. Separate dissimilar metals with bituminous paint or separators to prevent corrosion.
 - Separate metal surfaces at moving joints with plastic inserts or other non-abrasive concealed inserts.
- G. Arrange fasteners and attachments to conceal from view.
- H. Fully degrease and clean members prior to assembly or application of sealing compound or protective coatings.
- I. Reinforce frames and doors for hardware.

PART 3 - EXECUTION

3.01 INSPECTION

- A. Site Verification of Conditions:
 - 1. Verify substrate conditions are acceptable for product installation.
 - 2. Verify openings are sized to receive framing system and sill is level within manufacturer's acceptable tolerances.
- B. Field Measurements:
 - 1. Verify actual measurements/openings by field measurements before fabrication; show recorded measurements on Shop Drawings.
 - 2. Coordinate field measurements, fabrication schedule with construction progress to avoid construction delays.

3.02 INSTALLATION

- A. Install units plumb, level, and true to line, without warp or rack of frames with manufacturer's prescribed tolerances and installation instructions.
 - 1. Provide support and anchor in place.
 - 2. Anchor securely.
- B. Comply with manufacturer's shop drawings, erection drawings, and recommendations.
- C. Provide separation of aluminum materials from sources of corrosion or electrolytic action contact points.
- D. Coordinate installation with adjacent walls and other components of construction.
- E. Provide joint fillers or gaskets.
- F. Caulk joints within and at perimeter of system.

3.03 CLEANING AND PROTECTION

A. Protection:

- 1. Protect installed product's finish surfaces from damage during construction.
- 2. Protect units from damage from grinding and polishing compounds, plaster, lime, acid, cement, or other harmful contaminants.

B. Cleaning:

- 1. Repair or replace damaged installed products.
- 2. Clean installed products in accordance with manufacturer's instructions prior to owner's acceptance.
 - a. Clean promptly after installation.
- 3. Remove construction debris from project site and legally dispose of debris.
- C. Exercise care to avoid damage to finish, wall members, fastenings, etc., and to protective coating.
- D. Remove excess glazing and sealant compounds and dirt and leave clean.
- E. Protect work and take other precautions required to ensure work not damaged at time of acceptance.

END OF SECTION

SECTION 087100 - DOOR HARDWARE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes commercial door hardware for the following:
 - 1. Swinging doors.
 - 2. Sliding doors.
 - 3. Other doors to the extent indicated.
- B. Door hardware includes, but is not necessarily limited to, the following:
 - 1. Mechanical door hardware.
 - 2. Electromechanical door hardware.
 - 3. Cylinders specified for doors in other sections.

C. Related Sections:

- 1. Division 06 Section "Rough Carpentry".
- 2. Division 06 Section "Finish Carpentry".
- 3. Division 08 Section "Operations and Maintenance".
- 4. Division 08 Section "Door Schedule".
- 5. Division 08 Section "Hollow Metal Doors and Frames".
- 6. Division 08 Section "Interior Aluminum Doors and Frames".
- 7. Division 08 Section "Flush Wood Doors".
- 8. Division 08 Section "Aluminum-Framed Entrances and Storefronts".
- D. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction.
 - 1. ANSI A117.1 Accessible and Usable Buildings and Facilities.
 - 2. ICC/IBC International Building Code.
 - 3. NFPA 70 National Electrical Code.
 - 4. NFPA 80 Fire Doors and Windows.
 - 5. NFPA 101 Life Safety Code.
 - 6. NFPA 105 Installation of Smoke Door Assemblies.
 - 7. State Building Codes, Local Amendments.
- E. 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: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
- B. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
 - 1. Format: Comply with scheduling sequence and vertical format in DHI's "Sequence and Format for the Hardware Schedule."
 - Organization: Organize the Door Hardware Schedule into door hardware sets indicating complete designations of every item required for each door or opening. Organize door hardware sets in same order as in the Door Hardware Sets at the end of Part 3. Submittals that do not follow the same format and order as the Door Hardware Sets will be rejected and subject to resubmission.
 - 3. Content: Include the following information:
 - a. Type, style, function, size, label, hand, and finish of each door hardware item.
 - b. Manufacturer of each item.
 - c. Fastenings and other pertinent information.
 - d. Location of door hardware set, cross-referenced to Drawings, both on floor plans and in door and frame schedule.
 - e. Explanation of abbreviations, symbols, and codes contained in schedule.
 - f. Mounting locations for door hardware.
 - g. Door and frame sizes and materials.
 - h. Warranty information for each product.
 - 4. Submittal Sequence: Submit the final Door Hardware Schedule at earliest possible date, particularly where approval of the Door Hardware Schedule must precede fabrication of other work that is critical in the 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 Schedule.
- C. Shop Drawings: Details of electrified access control hardware indicating the following:
 - 1. Wiring Diagrams: Upon receipt of approved schedules, submit detailed system wiring diagrams for power, signaling, monitoring, communication, and control of the access control system electrified hardware. Differentiate between manufacturer-installed and field-installed wiring. Include the following:
 - a. Elevation diagram of each unique access controlled opening showing location and interconnection of major system components with respect to their placement in the respective door openings.
 - b. Complete (risers, point-to-point) access control system block wiring diagrams.
 - c. Wiring instructions for each electronic component scheduled herein.

- 2. Electrical Coordination: Coordinate with related sections the voltages and wiring details required at electrically controlled and operated hardware openings.
- D. Keying Schedule: After a keying meeting with the owner has taken place prepare a separate keying schedule detailing final instructions. Submit the keying schedule in electronic format. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner must approve submitted keying schedule prior to the ordering of permanent cylinders/cores.

E. Informational Submittals:

- 1. Product Test Reports: Indicating compliance with cycle testing requirements, based on evaluation of comprehensive tests performed by manufacturer and witnessed by a qualified independent testing agency.
- F. Operating and Maintenance Manuals: Provide manufacturers operating and maintenance manuals for each item comprising the complete door hardware installation in quantity as required in Division 01, Closeout Procedures.

1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications: Engage qualified manufacturers with a minimum 5 years of documented experience in producing hardware and equipment similar to that indicated for this Project and that have a proven record of successful in-service performance.
- B. Installer Qualifications: A minimum 3 years documented experience installing both standard and electrified door hardware similar in material, design, and extent to that indicated for this Project and whose work has resulted in construction with a record of successful in-service performance.
- C. Door Hardware Supplier Qualifications: Experienced commercial door hardware distributors with a minimum 5 years documented experience supplying both mechanical and electromechanical hardware installations comparable in material, design, and extent to that indicated for this Project. Supplier recognized as a factory direct distributor by the manufacturers of the primary materials with a warehousing facility in Project's vicinity. Supplier to have on staff a certified Architectural Hardware Consultant (AHC) available during the course of the Work to consult with Contractor, Architect, and Owner concerning both standard and electromechanical door hardware and keying.
- D. Source Limitations: Obtain each type and variety of door hardware specified in this section from a single source unless otherwise indicated.
 - 1. Electrified modifications or enhancements made to a source manufacturer's product line by a secondary or third party source will not be accepted.
 - 2. Provide electromechanical door hardware from the same manufacturer as mechanical door hardware, unless otherwise indicated.
- E. Each unit to bear third party permanent label demonstrating compliance with the referenced standards.

- F. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document:
 - 1. Function of building, purpose of each area and degree of security required.
 - 2. Plans for existing and future key system expansion.
 - 3. Requirements for key control storage and software.
 - 4. Installation of permanent keys, cylinder cores and software.
 - 5. Address and requirements for delivery of keys.
- G. Pre-Submittal Conference: Conduct coordination conference in compliance with requirements in Division 01 Section "Project Meetings" with attendance by representatives of Supplier(s), Installer(s), and Contractor(s) to review proper methods and the procedures for receiving, handling, and installing door hardware.
 - Prior to installation of door hardware, conduct a project specific training meeting to instruct the installing contractors' personnel on the proper installation and adjustment of their respective products. Product training to be attended by installers of door hardware (including electromechanical hardware) for aluminum, hollow metal and wood doors. Training will include the use of installation manuals, hardware schedules, templates and physical product samples as required.
 - 2. Inspect and discuss electrical roughing-in, power supply connections, and other preparatory work performed by other trades.
 - 3. Review sequence of operation narratives for each unique access controlled opening.
 - 4. Review and finalize construction schedule and verify availability of materials.
 - 5. Review the required inspecting, testing, commissioning, and demonstration procedures
- H. At completion of installation, provide written documentation that components were applied to manufacturer's instructions and recommendations and according to approved schedule.

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.
- B. Tag each item or package separately with identification related to the final Door Hardware Schedule, and include basic installation instructions with each item or package.
- C. Deliver, as applicable, permanent keys, cylinders, cores, access control credentials, software and related accessories directly to Owner via registered mail or overnight package service. Instructions for delivery to the Owner shall be established at the "Keying Conference".

1.6 COORDINATION

A. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.

- B. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
- C. Door and Frame Preparation: Doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.

1.7 WARRANTY

- A. General Warranty: Reference Division 01, General Requirements. Special warranties specified in this Article shall not deprive Owner of other rights Owner may have under other provisions of the Contract Documents and shall be in addition to, and run concurrent with, other warranties made by Contractor under requirements of the Contract Documents.
- B. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following:
 - 1. Structural failures including excessive deflection, cracking, or breakage.
 - 2. Faulty operation of the hardware.
 - 3. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
 - 4. Electrical component defects and failures within the systems operation.
- C. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
- D. Special Warranty Periods:
 - 1. Ten years for mortise locks and latches.
 - 2. Five years for exit hardware.
 - 3. Twenty five years for manual surface door closer bodies.
 - 4. Five years for motorized electric latch retraction exit devices.
 - 5. Two years for electromechanical door hardware.

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.

PART 2 - PRODUCTS

2.1 SCHEDULED DOOR HARDWARE

A. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.

- B. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows:
 - 1. Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule.
- C. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.

2.2 HANGING DEVICES

- A. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles and other options as specified in the Door Hardware Sets.
 - 1. Quantity: Provide the following hinge quantity:
 - a. Two Hinges: For doors with heights up to 60 inches.
 - b. Three Hinges: For doors with heights 61 to 90 inches.
 - c. Four Hinges: For doors with heights 91 to 120 inches.
 - d. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
 - 2. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required:
 - a. Widths up to 3'0": 4-1/2" standard or heavy weight as specified.
 - b. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.
 - 3. Hinge Weight and Base Material: Unless otherwise indicated, provide the following:
 - a. Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight.
 - b. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.
 - 4. Hinge Options: Comply with the following:
 - a. Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the all outswinging lockable doors.
 - 5. Manufacturers:
 - a. Hager Companies (HA) CB Series.
 - McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) TA Series.

- c. Stanley Hardware (ST) CB Series.
- B. Continuous Geared Hinges: ANSI/BHMA A156.26 Grade 1-600 certified continuous geared hinge. with minimum 0.120-inch thick extruded 6060 T6 aluminum alloy hinge leaves and a minimum overall width of 4 inches. Hinges are non-handed, reversible and fabricated to template screw locations. Factory trim hinges to suit door height and prepare for electrical cutouts.
 - 1. Manufacturers:
 - a. Hager Companies (HA).
 - b. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).

2.3 POWER TRANSFER DEVICES

- A. Electrified Quick Connect Continuous Geared Transfer Hinges: Provide electrified transfer continuous geared hinges with a 12" removable service panel cutout accessible without demounting door from the frame. Furnish with Molex™ standardized plug connectors with sufficient number of concealed wires (up to 12) to accommodate the electrified functions specified in the Door Hardware Sets. Connectors plug directly to through-door wiring harnesses for connection to electric locking devices and power supplies. Wire nut connections are not acceptable.
 - 1. Manufacturers:
 - a. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) SER-QC (# wires) Option.
 - b. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE) SER-QC (# wires) Option.
- B. Electric Door Wire Harnesses: Provide electric/data transfer wiring harnesses with standardized plug connectors to accommodate up to twelve (12) wires. Connectors plug directly to throughdoor wiring harnesses for connection to electric locking devices and power supplies. Provide sufficient number and type of concealed wires to accommodate electric function of specified hardware. Provide a connector for through-door electronic locking devices and from hinge to junction box above the opening. Wire nut connections are not acceptable. Determine the length required for each electrified hardware component for the door type, size and construction, minimum of two per electrified opening.
 - 1. Provide one each of the following tools as part of the base bid contract:
 - a. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) Electrical Connecting Kit: QC-R001.
 - b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) Connector Hand Tool: QC-R003.
 - Manufacturers:
 - a. Hager Companies (HA) Quick Connect.
 - b. McKinney Products; ASSA ABLOY Architectural Door Accessories (MK) QC-C Series.
 - c. Stanley Hardware (ST) WH Series.

2.4 DOOR OPERATING TRIM

- A. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified.
 - 1. Flush bolts to be furnished with top rod of sufficient length to allow bolt retraction device location approximately six feet from the floor.
 - 2. Furnish dust proof strikes for bottom bolts.
 - 3. Surface bolts to be minimum 8" in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable.
 - 4. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.
 - Manufacturers:
 - a. Door Controls International (DC).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).
- B. Door Push Plates and Pulls: ANSI/BHMA A156.6 certified door pushes and pulls of type and design specified in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates.
 - 1. Push/Pull Plates: Minimum .050 inch thick, size as indicated in hardware sets, with beveled edges, secured with exposed screws unless otherwise indicated.
 - 2. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated.
 - 3. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated
 - 4. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.
 - 5. Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).

2.5 CYLINDERS AND KEYING

- A. General: Cylinder manufacturer to have minimum (10) years experience designing secured master key systems and have on record a published security keying system policy.
- B. Cylinders: Original manufacturer cylinders complying with the following:
 - 1. Mortise Type: Threaded cylinders with rings and cams to suit hardware application.
 - 2. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring
 - 3. Bored-Lock Type: Cylinders with tailpieces to suit locks.
 - 4. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes.
 - 5. Keyway: Manufacturer's Standard.

- C. Keying System: Each type of lock and cylinders to be factory keyed.
 - 1. Conduct specified "Keying Conference" to define and document keying system instructions and requirements.
 - 2. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner.
 - 3. New System: Key locks to a new key system as directed by the Owner.
- D. Key Quantity: Provide the following minimum number of keys:
 - 1. Change Keys per Cylinder: Two (2)
 - 2. Master Keys (per Master Key Level/Group): Five (5).
 - 3. Construction Keys (where required): Ten (10).
- E. Construction Keying: Provide construction master keyed cylinders.
- F. Key Registration List (Bitting List):
 - 1. Provide keying transcript list to Owner's representative in the proper format for importing into key control software.
 - 2. Provide transcript list in writing or electronic file as directed by the Owner.
- G. Key Control Cabinet: Provide a key control system including envelopes, labels, and tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet. Key control cabinet shall have expansion capacity of 150% of the number of locks required for the project.
 - 1. Manufacturers:
 - a. Lund Equipment (LU).
 - b. MMF Industries (MM).
 - c. Telkee (TK).
- H. Key Control Software: Provide one network version of "Key Wizard" branded key management software package that includes one year of technical support and upgrades to software at no charge. Provide factory key system formatted for importing into "Key Wizard" software.

2.6 MECHANICAL LOCKS AND LATCHING DEVICES

- A. Mortise Locksets, Grade 1 (Heavy Duty): ANSI/BHMA A156.13, Series 1000, Operational Grade 1 certified. Locksets are to be manufactured with a corrosion resistant steel case and be field-reversible for handing without disassembly of the lock body.
 - 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) ML2000 Series.
 - b. Sargent Manufacturing (SA) 8200 Series.
 - c. Yale Locks and Hardware (YA) 8800FL Series.

2.7 ELECTROMECHANICAL LOCKING DEVICES

2.8 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, and as follows:
 - 1. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer.
 - 2. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim.
 - 3. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.
 - 4. Double-lipped strikes: For locks at double acting doors. Furnish with retractable stop for rescue hardware applications.
- B. Standards: Comply with the following:
 - 1. Strikes for Mortise Locks and Latches: BHMA A156.13.
 - 2. Strikes for Bored Locks and Latches: BHMA A156.2.
 - 3. Strikes for Auxiliary Deadlocks: BHMA A156.36.
 - 4. Dustproof Strikes: BHMA A156.16.

2.9 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. Except on fire rated doors, provide exit devices with hex key dogging device to hold the pushbar and latch in a retracted position. Provide optional keyed cylinder dogging on devices where specified in Hardware Sets.
 - 4. 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.
 - 5. Energy Efficient Design: Provide lock bodies which have a holding current draw of 15mA maximum, and can operate on either 12 or 24 volts. Locks are to be field configurable for fail safe or fail secure operation.

- 6. Electromechanical Options: Subject to same compliance standards and requirements as mechanical exit devices, electrified devices to be of type and design as specified in hardware sets. Include any specific controllers when conventional power supplies are not sufficient to provide the proper inrush current.
- 7. 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.
- 8. Vertical Rod Exit Devices: Where surface or concealed vertical rod exit devices are used at interior openings, provide as less bottom rod (LBR) unless otherwise indicated. Provide dust proof strikes where thermal pins are required to project into the floor.
- 9. Narrow Stile Applications: At doors constructed with narrow stiles, or as specified in Hardware Sets, provide devices designed for maximum 2" wide stiles.
- 10. Dummy Push Bar: Nonfunctioning push bar matching functional push bar.
- 11. Rail Sizing: Provide exit device rails factory sized for proper door width application.
- 12. 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.
 - 1. Manufacturers:
 - a. Corbin Russwin Hardware (RU) ED4000 / ED5000 Series.
 - b. Sargent Manufacturing (SA) 80 Series.
 - c. Yale (YA) 7000 Series.

2.10 DOOR CLOSERS

- A. All door closers specified herein shall meet or exceed the following criteria:
 - General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.
 - Standards: Closers to comply with UL-10C for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.
 - 3. Cycle Testing: Provide closers which have surpassed 15 million cycles in a test witnessed and verified by UL.

- 4. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.
- 5. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets.
- 6. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics.
- 7. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates as required for proper installation. Provide through-bolt and security type fasteners as specified in the hardware sets.
- B. Door Closers, Surface Mounted (Commercial Duty): ANSI/BHMA 156.4, Grade 1 certified surface mounted, institutional grade door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one piece cast iron or aluminum alloy body construction, with adjustable backcheck, closing sweep, and latch speed control valves. Provide non-handed units standard.
 - Manufacturers:
 - a. Corbin Russwin Hardware (RU) DC6000 Series.
 - b. Norton Door Controls (NO) 8500 Series.
 - c. Sargent Manufacturing (SA) 1431 Series.
 - d. Yale Locks and Hardware (YA) 3500 Series.

2.11 SURFACE MOUNTED CLOSER HOLDERS

- A. Electromagnetic Door Holders: Certified ANSI A156.15 electromagnetic door holder/releases with a minimum 20 to 40 pounds holding power and single coil construction able to accommodate.12VDC, 24VAC, 24VDC and 120VAC. Coils to be independently wound, employing an integral fuse and armatures to include a positive release button.
 - 1. Manufacturers:
 - a. Rixson (RF) 980/990 Series.
 - b. Sargent Manufacturing (SA) 1560 Series.

2.12 ARCHITECTURAL TRIM

- A. Door Protective Trim
 - General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.
 - 2. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width

- and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets.
- 3. Where plates are applied to fire rated doors with the top of the plate more than 16" above the bottom of the door, provide plates complying with NFPA 80. Consult manufacturer's catalog and template book for specific requirements for size and applications.
- 4. Protection Plates: ANSI/BHMA A156.6 certified protection plates (kick, armor, or mop), fabricated from the following:
 - a. Stainless Steel: 300 grade, 050-inch thick.
- 5. Options and fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets. Provide countersunk screw holes.
- 6. Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).

2.13 DOOR STOPS AND HOLDERS

- A. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.
- B. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.
 - 1. Manufacturers:
 - a. Hiawatha, Inc. (HI).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Trimco (TC).
- C. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.
 - 1. Manufacturers:
 - a. Rixson Door Controls (RF).
 - b. Rockwood Products; ASSA ABLOY Architectural Door Accessories (RO).
 - c. Sargent Manufacturing (SA).

2.14 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. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784.
 - 1. Provide smoke labeled perimeter gasketing at all smoke labeled openings.
- C. 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.
 - Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and NPFA 252, Standard Methods of Fire Tests of Door Assemblies.
- D. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated.
- E. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.
- F. Manufacturers:
 - 1. National Guard Products (NG).
 - 2. Pemko Products; ASSA ABLOY Architectural Door Accessories (PE).
 - 3. Reese Enterprises, Inc. (RE).

2.15 ELECTRONIC ACCESSORIES

- A. Power Supplies: Provide Nationally Recognized Testing Laboratory Listed 12VDC or 24VDC (field selectable) filtered and regulated power supplies. Include battery backup option with integral battery charging capability in addition to operating the DC load in event of line voltage failure. Provide the least number of units, at the appropriate amperage level, sufficient to exceed the required total draw plus 50% for the specified electrified hardware and access control equipment.
 - 1. Manufacturers:
 - a. Alarm Controls (AK) APS Series.
 - b. Securitron (SU) BPS Series.

2.16 FABRICATION

A. Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

2.17 FINISHES

- A. Standard: Designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products.
- B. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware
- C. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance.
- B. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

3.2 PREPARATION

- A. Hollow Metal Doors and Frames: Comply with ANSI/DHI A115 series.
- B. Wood Doors: Comply with ANSI/DHI A115-W series.

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 in following applicable publications, unless specifically 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."
- Wood Doors: DHI WDHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors."
- 3. Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities."
- 4. Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.
- C. Retrofitting: Install door hardware to comply with manufacturer's published templates and 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 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.
- D. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants."
- E. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

3.4 FIELD QUALITY CONTROL

A. Field Inspection (Punch-Out Report): Reference Division 01 Section "Closeout Procedures". Final inspect installed door hardware and state in report whether work complies with or deviates from specification requirements, including whether door hardware is properly installed, operating and adjusted.

3.5 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. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

3.6 CLEANING AND PROTECTION

- A. Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame.
- B. Clean adjacent surfaces soiled by door hardware installation.
- C. Clean operating items as necessary to restore proper finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

3.7 DEMONSTRATION

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

3.8 DOOR HARDWARE SETS

- 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. The supplier is responsible for handing and sizing all products and providing the correct option for the appropriate door type and material where more than one is presented in the hardware sets. Quantities listed are for each pair of doors, or for each single door.
- C. Manufacturer's Abbreviations:
 - 1. MK McKinney
 - 2. PE Pemko
 - 3. RO Rockwood
 - 4. SA SARGENT
 - 5. AD Adams Rite
 - 6. RF Rixson
 - 7. SU Securitron
 - 8. OT Other

Hardware Sets

Set: 1.0

Doors: 380A

Description: ENTRY - ALUM - EAC

1 Aluminum Storefront Hardware by Dr Mfg OT

Notes:

Set: 3.0

Doors: 328, 336, 348, 366A, 379 Description: ENTRY - ALUM - EAC

1 Aluminum Storefront Hardware by Dr Mfg OT

Notes: Presenting a valid credential releases the lever to allow free entry, door relocks upon closing. REX (request to exit) switch in the lock allow for free exit at all times

Entry by key override at all times

Door is fail secure

Set: 4.0

Doors: 302, 309 Description: STAIR

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Rim Exit Device, Passage	12 8815 ETMB	US32D	SA
1 Surface Closer	1431 CPS	EN	SA
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
1 Door Stop	409 / 446 as required	US26D	RO
1 Gasketing	S88D		PE

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 5.0

Doors: 301A, 301B Description: LOBBY PR

6 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
2 Flush Bolt	555 [12" / 72" AFF]	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Passage Latch	8215 LNMB	US26D	SA
2 Surface Closer	1431 CPS	EN	SA
2 Electromagnetic Holder	980 / 990 series	689	RF
2 Silencer	608		RO

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Wall magnets tied into building fire alarm system to release in case of event

Set: 6.0

Doors: 303

Description: PR - LOCK - MEP

6 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
2 Flush Bolt	555 [12" / 72" AFF]	US26D	RO
1 Dust Proof Strike	570	US26D	RO

1 Storeroom/Closet Lock	8204 LNMB	US26D	SA
2 Surface Closer	1431 CPS	EN	SA
2 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
2 Door Stop	409 / 446 as required	US26D	RO
1 Astragal	357SP X S88D		PE
2 Silencer	608		RO

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 7.0

Doors: 307

Description: PR - LOCK - MEP [OHS]

6 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
2 Flush Bolt	555 [12" / 72" AFF]	US26D	RO
1 Dust Proof Strike	570	US26D	RO
1 Storeroom/Closet Lock	8204 LNMB	US26D	SA
2 Surface Closer	1431 PS	EN	SA
2 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
1 Astragal	357SP X S88D		PE
2 Silencer	608		RO

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 8.0

Doors: 330

Description: CORR

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Rim Exit Device, Classroom	8813 ETMB	US32D	SA
1 Surface Closer	1431 CPS	EN	SA
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
1 Door Stop	409 / 446 as required	US26D	RO
3 Silencer	608		RO

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 9.0

Doors: 366B, 379A Description: CORR

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Rim Exit Device, Passage	8815 ETMB	US32D	SA
1 Surface Closer	1431 CPS	EN	SA
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
1 Door Stop	409 / 446 as required	US26D	RO
3 Silencer	608		RO

Set: 10.0

Doors: 304

Description: MEP

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom/Closet Lock	8204 LNMB	US26D	SA
1 Surface Closer	1431 CPS	EN	SA
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
1 Door Stop	409 / 446 as required	US26D	RO
3 Silencer	608		RO

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 12.0

Doors: 376

Description: BREAKROOM

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Passage Latch	8215 LNMB	US26D	SA
1 Surface Closer	1431 CPS	EN	SA
1 Door Stop	409 / 446 as required	US26D	RO
3 Silencer	608		RO

Set: 13.0

Doors: 347

Description: PRINT/SUPPLIES

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Passage Latch	8215 LNMB	US26D	SA
1 Door Stop	409 / 446 as required	US26D	RO
3 Silencer	608		RO

Set: 14.0

Doors: 305, 306

Description: RESTROOM

3 Hinge (heavy weight)	T4A3786 4-1/2" x 4-1/2"	US26D	MK
1 Pull Plate	BF 110 x 70C	US32D	RO
1 Push Plate	70C	US32D	RO
1 Surface Closer	1431 CPS	EN	SA
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
1 Door Stop	409 / 446 as required	US26D	RO
1 Gasketing	S88D		PE

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 15.0

Doors: 313, 314, 315, 329, 332, 337A, 357, 368

Description: STOR

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom/Closet Lock	8204 LNMB	US26D	SA
1 Door Stop	409 / 446 as required	US26D	RO
3 Silencer	608		RO

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 16.0

Doors: 308 Description: JAN

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom/Closet Lock	8204 LNMB	US26D	SA
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
1 Door Stop	409 / 446 as required	US26D	RO
1 Gasketing	S88D		PE

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 17.0

Doors: 310

Description: STOR [OHS]

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Storeroom/Closet Lock	8204 LNMB	US26D	SA
1 Surf Overhead Stop	10-X36	689	RF
3 Silencer	608		RO

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 18.0

Doors: 325A, 333, 325B, 353, 365, 381

Description: OFFICE

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Office/Entry Lock	8205 LNMB	US26D	SA
1 Door Stop	409 / 446 as required	US26D	RO
3 Silencer	608		RO

Notes: Coordinate hardware requirements with existing door / frame. Verify lock functions and hardware compatibility prior to ordering any hardware

Set: 19.0

Doors: 375

Description: CATERING

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Passage Latch	8215 LNMB	US26D	SA
1 Kick Plate	K1050 10" X 2" LDW 4BE CSK	US32D	RO
1 Door Stop	409 / 446 as required	US26D	RO
1 Gasketing	S88D		PE

Set: 20.0

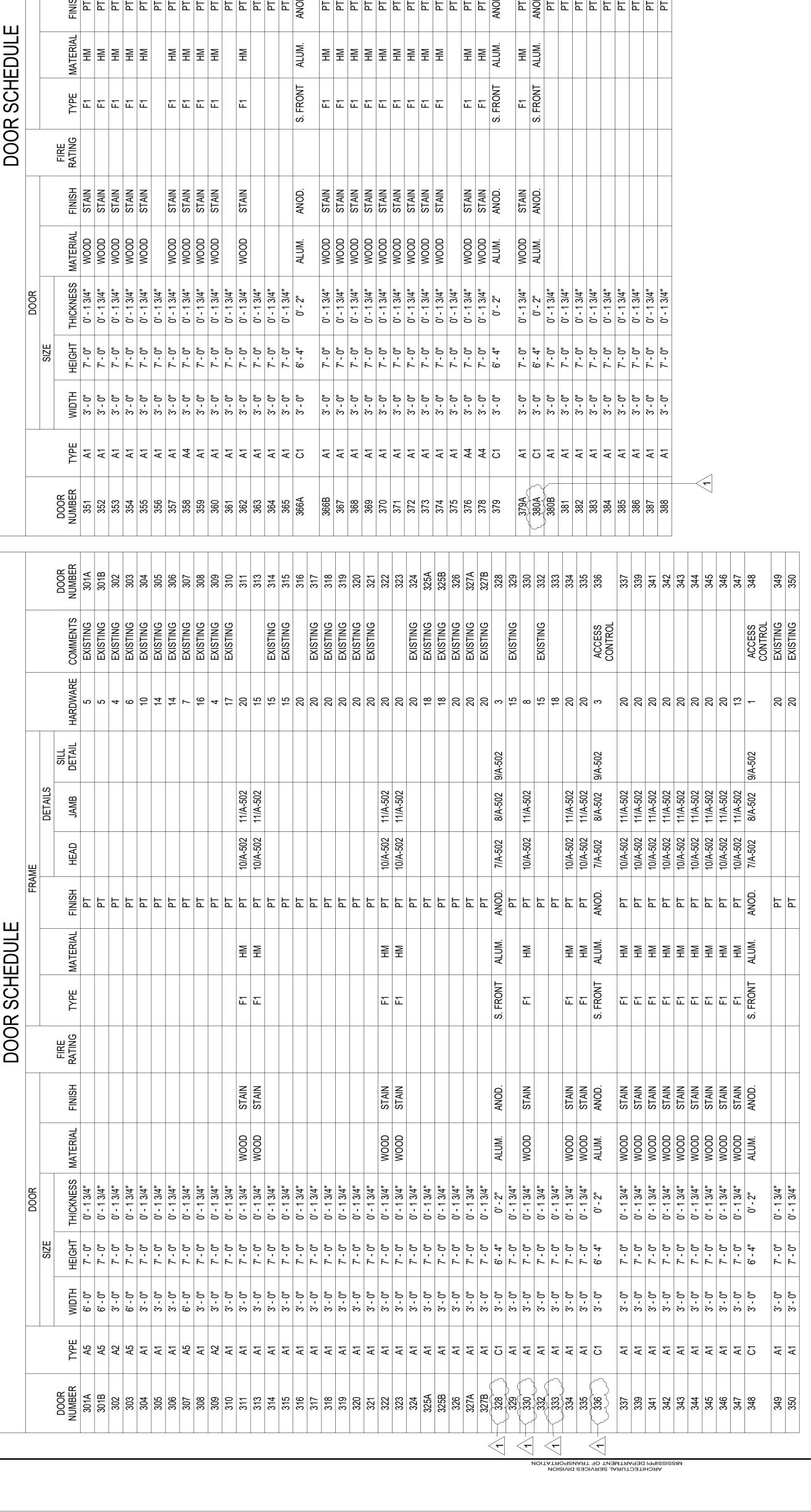
Doors: 311, 316, 317, 318, 319, 320, 321, 322, 323, 324, 326, 327A, 327B, 334, 335, 337, 339, 340, 341, 342, 343, 344, 345, 346, 349, 350, 351, 352, 354, 355, 356, 358, 359, 360, 361, 362, 363, 364, 367, 369, 370, 371, 372, 373, 374, 378, 380B, 382, 383, 384, 385, 386, 387, 388

Description: PASSAGE

3 Hinge	TA2714 4-1/2" x 4-1/2"	US26D	MK
1 Passage Latch	8215 LNMB	US26D	SA
1 Door Stop	409 / 446 as required	US26D	RO
3 Silencer	608		RO

END OF SECTION 08 71 00

ADDENDUM



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SHEET NOTES:

BWO-9921-25(010)

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PROJECT NO.

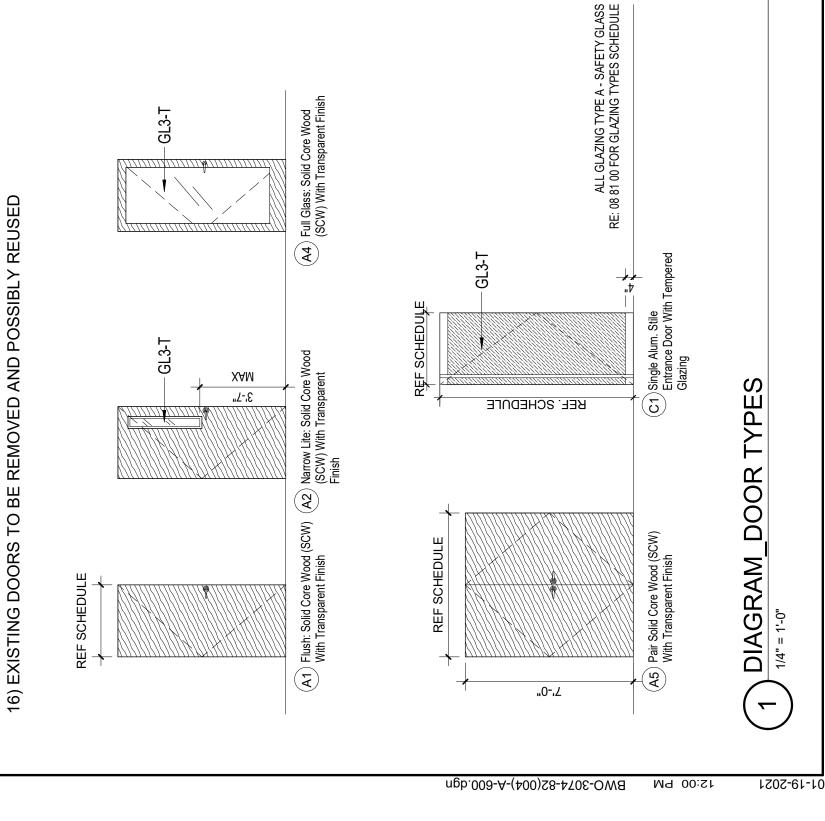
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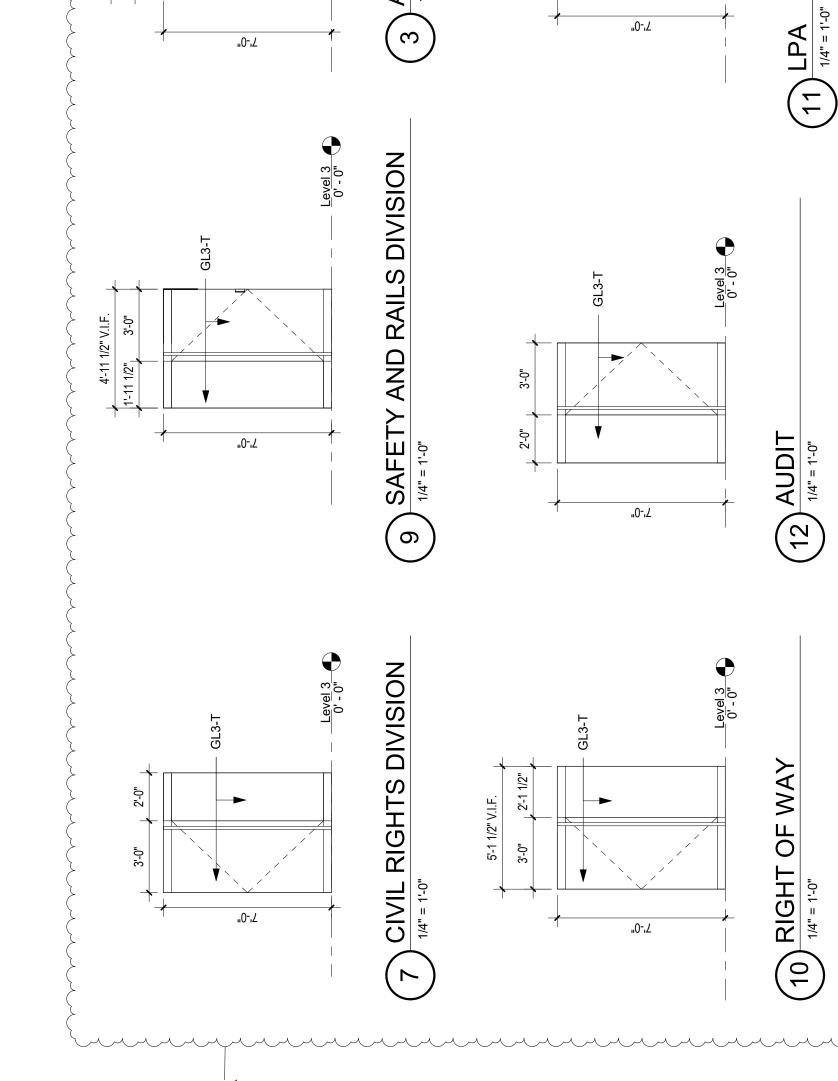
REFERENCE FINISH SCHEDULE FOR INFORMATION ON FINISHES.
ALL GLASS IN OR IMMEDIATELY ADJACENT TO ANY DOOR SHALL BE TEMPERED GLASS, GL3-T, U.N.O. ALL INTERIOR GLAZING AT DOORS, NOT PART OF A RATED ASSEMBLY, SHALL BE GLASS TYPE: GL3. SAFETY RATING FOR GL3 GLAZING TO FOLLOW INTERIOR GLAZING SCHEDULE IN SPECIFICATION SECTION; 08 81 26 INTERIOR GLASS AND GLAZING. ALL INTERIOR GLAZING AT DOORS PART OF A RATED ASSEMBLY TO BE GLASS TYPE GL4. HEIGHTS LISTED IN DOOR SCHEDULE ARE FOR DOOR HEIGHTS ONLY. REFERENCE FRAME TYPES FOR FRAME, TRANSOM HEIGHTS, ETC.
ALL DOOR FRAMES TO BE PAINTED P3. SEE FINISHES

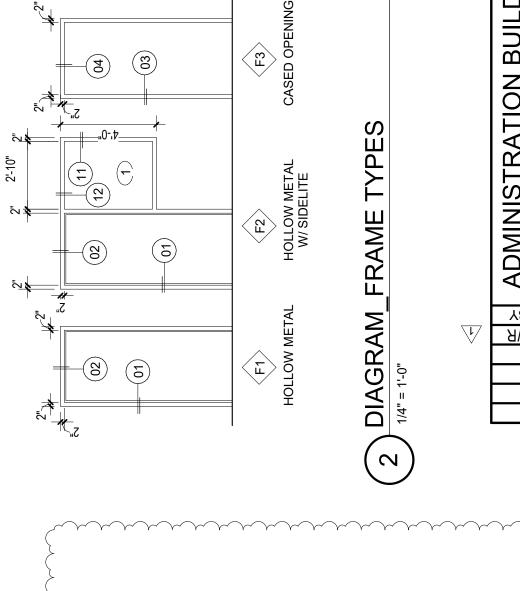
ALL NEW DOORS TO BE PREFINISHED STAINED TO MATCH EXISTING DOORS.

NEW HARDWARE ON ALL DOORS. SEE SCHEDULE

45) DOORS REQUIRED







Level 3 0' - 0"

7--0"

11'-0"

NFERENCE ROOM

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AUDIT (1/4" = 1'-0"

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ADMINISTRATION BUILDING HVAC CONTROL SYSTEM I IPGRADE AND 3RD FLOOR SPACE	REALLOCATION	DOOR, WINDOW, LOUVER SCHEDULE	Project Number: BWO-9921-25(010)	COUNTY: HINDS	FILENAME:	DESIGN TEAM CDFL
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