Project:

A New Gymnasium at
Zion Chapel High School for the
Coffee County Board of Education
Elba, Alabama

MCKEE PROJECT NO. 19.130
ALABAMA DIVISION OF CONSTRUCTION MANAGEMENT NO. 2020266

The following changes and/or substitutions to the plans and specifications are hereby made a part of
same and are incorporated in full force as part of the contract.

Bidders shall acknowledge receipt of this Addendum in writing on his Proposal Form.

A5.1   GENERAL MODIFICATIONS:
   A. NONE

A5.2 SPECIFICATION MODIFICATIONS:
   A. Refer to Section 08700, Finish Hardware [Revised 7.14.20], herein.
   B. Refer to Section 10110, Display Cases [Revised 7.14.20], herein.
   C. Refer to Letter from Gunn & Associates, P.C. Consulting Engineers, dated July 14, 2020,
      herein.

A5.3 DRAWING MODIFICATIONS:
   A. See the following drawings as follows:
      2. Sheet C1, C2 and C3 [Revised 7.14.20], herein.

A5.4 CLARIFICATIONS & RESPONSES:
   A. NONE

END OF ADDENDUM
SECTION 08700 – FINISH HARDWARE [Revised 7.14.20]

PART 1 – GENERAL

RELATED DOCUMENTS

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

SUMMARY

This Section includes items known commercially as finish or door hardware that are required for swing, sliding, and folding doors, except special types of unique hardware specified in the same sections as the doors and door frames on which they are installed.

This Section includes the following:

1. Hinges.
2. Key control system.
3. Lock cylinders and keys.
4. Lock and latch sets.
5. Bolts.
7. Push/pull units.
8. Closers.
10. Miscellaneous door control devices.
11. Door trim units.
12. Protection plates.
14. Sound stripping for interior doors.
15. Astragals or meeting seals on pairs of doors.
16. Thresholds.

Related Sections: The following Sections contain requirements that relate to this Section:

1. Division 8 Section "Standard Steel Doors and Frames" for silencers integral with hollow metal frames.
2. Division 8 Section "Flush Wood Doors" for factory pre-fitting and factory pre-machining of doors for door hardware.
3. Division 8 Section "Aluminum Entrances and Storefronts" for aluminum entrance door hardware, except cylinders.

HARDWARE ALLOWANCE

Allowance of $1,250.00 for Certified AHC (Architectural Hardware Consultant) & FDAI (Fire Door Assembly Inspector) – document of certification from DHI must be provided) to visit job site upon substantial completion as directed by Architect. A written report will be required for the Owner, Architect, and Contractor

QUALITY ASSURANCE

Door hardware supplier's responsibilities shall be as follows:

1. **Submittals**: Submit through Contractor required product data, final hardware schedule; separate keying schedule, and samples as specified in this Section, unless otherwise indicated.
2. **Hardware Review Meeting**: Hardware Supplier shall attend a scheduled "Hardware Review Meeting" with the Contractor, Owner and Architect representative. All Hardware products,
hardware installation locations, finishes, color selections, ratings and keying is to be reviewed and discussed. The Hardware Supplier understands the Hardware Submittal is not deemed “Fully Approved” until the Owner has completed their review and given “Approval”.

3. **Construction Schedule:** Inform Contractor promptly of estimated times and dates that will be required to process submittals, to furnish templates, to deliver hardware, and to perform other work associated with furnishing door hardware for purposes of including this data in construction schedule. Comply with this schedule.

4. **Coordination and Templates:** Assist Contractor as required to coordinate hardware with other work in respect to both fabrication and installation. Furnish Contractor with templates and deliver hardware to proper locations.

5. **Product Handling:** Package, identify, deliver, and inventory door hardware specified in this Section.

6. **Discrepancies:** Based on requirements indicated in Contract Documents in effect at time of door hardware selection, furnish types, finishes, and quantities of door hardware, including fasteners, and Owner’s maintenance tools required to comply with specified requirements and as needed to install and maintain hardware. Furnish or replace any items of door hardware resulting from shortages and incorrect items at no cost to the Owner or Contractor. Obtain signed receipts from Contractor for all delivered materials.

Contractor's responsibilities shall be as follows:

1. **Submittals:** Coordinate and process submittals for door hardware in same manner as submittals for other work.

2. **Hardware Review Meeting:** Contractor is to schedule and attend a “Hardware Review Meeting” with the Owner, Hardware Supplier and Architect Representative. All Hardware products, hardware installation locations, finishes, color selections, ratings and keying is to be reviewed and discussed. The Contractor understands the Hardware Submittal is not deemed “Fully Approved” until the Owner has completed their review and given “Approval”.

3. **Construction Schedule:** Cooperate with door hardware supplier in establishing scheduled dates for submittals and delivery of templates and door hardware. Incorporate in construction schedule the times and dates related to furnishing hardware by door hardware supplier.

4. **Coordination:** Coordinate door hardware with other Work. Furnish hardware supplier or manufacturer with shop drawings of other work where required or requested. Verify completeness and suitability of hardware with supplier.

5. **Product Handling:** Provide secure lock-up for hardware delivered to the site. Inventory hardware jointly with representative of hardware supplier and issue signed receipts for all delivered materials.

6. **Installation Information:** The general types and approximate quantities of hardware required for this Project are indicated at the end of this Section in order to establish Contractor's costs for installation and other work not included in allowance.

7. **No adjustments in Contract sum will be made for costs other than those covered by the allowances for subsequent increases or decreases in quantity of one or more hardware types that do not exceed 5 percent.**

**SUBMITTALS**

**General:** Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.

Product data including manufacturers' technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.

Final hardware schedule coordinated with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.

1. Upon return of the reviewed finish hardware schedule, arrange for a meeting with the Owner and representatives of Architect. A keying schedule will be established and submitted to the Architect.
and Owner. After review, the keying schedule will be returned to representatives of Finish Hardware Supplier so that permanent cylinders and keys can be prepared on a timely basis.

QUALITY ASSURANCE

Substitutions: All substitution requests must be submitted before bidding and within the procedures and time frame as outlined in Division 1, General Requirements. Approval of products is at the discretion of the architect and his hardware consultant.

Single Source Responsibility: Obtain each type of hardware (latch and lock sets, hinges, closers, etc.) from a single manufacturer.

Supplier Qualifications: A recognized architectural door hardware supplier, with warehousing facilities in the Project's vicinity, that has a record of successful in-service performance for a minimum of 10 years, for supplying door hardware similar in quantity, type, and quality to that indicated for this Project and that employs an experienced “Certified architectural hardware consultant (AHC)” as recognized by the Door and Hardware Institute (DHI). All submittals shall be signed by an AHC who is available to Owner, Architect, and Contractor, at reasonable times during the course of the Work, for consultation.

Fire-Rated Openings: Provide door hardware for fire-rated openings that complies with NFPA Standard No. 80 and requirements of authorities having jurisdiction. Provide only items of door hardware that are listed and are identical to products tested by UL, Warnock Hersey, FM, or other testing and inspecting organization acceptable to authorities having jurisdiction for use on types and sizes of doors indicated in compliance with requirements of fire-rated door and door frame labels.

PRODUCT HANDLING

Tag each item or package separately with identification related to final hardware schedule, and include basic installation instructions with each item or package.

Packaging of door hardware is responsibility of supplier. As material is received by hardware supplier from various manufacturers, sort and repackage in containers clearly marked with appropriate hardware set number to match set numbers of approved hardware schedule. Two or more identical sets may be packed in same container.

Inventory door hardware jointly with representatives of hardware supplier and hardware installer until each is satisfied that count is correct.

Deliver individually packaged door hardware items promptly to place of installation (shop or Project site).

Provide secure lock-up for door hardware delivered to the Project, but not yet installed. Control handling and installation of hardware items that are not immediately replaceable so that completion of the Work will not be delayed by hardware losses both before and after installation.

MAINTENANCE

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

HINGES:

A. Manufacturers:

1. Ives
2. McKinney

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FINISH HARDWARE
08700-3

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3. Bommer

B. Material:

1. Provide only template produced units
2. Provide Phillips flat-head or machine screws for installation of units, except furnish Phillips flat-head wood screws for installation of units in to wood. Finish screw heads to match surface of hinges or pivots.
3. Hinge pins, except as noted, are to be provided as follows:
   a. Steel Hinges: Steel pins
   b. Non-ferrous Hinges: Stainless steel pins
   c. Exterior Doors: Use Non-Removable Pins
   d. Interior Doors: Non-rising pins
   e. Electric Hinges: Non-removable pins
4. Tips shall be flat button and matching plug, finished to match leaves.
5. Provide number of hinges indicated but not less than three (3) hinges for door leaf of 90” or less in height and one additional hinge for each 30” of additional height.
6. Provide ball bearing hinges of the type and weight suggested by the hinge manufacturer for each type of door application.

LOCK CYLINDERS AND KEYING:

A. Manufacturers:
   1. Match existing keying system of the school.

B. Material:

1. Existing System: Grandmaster key the locks to the Owner’s existing system, with a new master key for the Project. Provide cylinders as standard 6-pin or key removable core (interchangeable core) as required to match existing. Match existing keyways.
2. Review the keying system with the Owner and provide the type required (master, grandmaster or great-grandmaster), either new or integrated into Owner’s existing system.
3. Metals: Construct lock cylinder parts from brass or bronze, stainless steel, or nickel silver.
4. Comply with Owner’s instructions for master keying and, except as otherwise indicated, provide individual change key for each lock that is not designated to be keyed alike with a group of related locks.
5. Permanently inscribe each key with number of lock that identifies cylinder manufacturer’s key symbol, and notation, “DO NOT DUPLICATE”.
6. Key Material: Provide keys of nickel silver only.
7. Key Quantity: Furnish (3) change keys for each lock, (5) master keys for each master system, (5) grandmaster keys for each grandmaster system, (10) construction master keys.
   a. Furnish one extra blank for each lock.
   b. Furnish construction master keys to General Contractor.
   c. Deliver keys to Owner.

LOCKSETS AND LATCHSETS

A. Manufacturers:

1. Schlage L9000 Series, 17N Design
2. Falcon MA Series, QN Design
3. Corbin Russwin ML2000 Series, PSM Design

B. Material:

1. Locksets and latch-sets of all manufacturers must conform to the requirements of Sub paragraphs 2 and be approved by the Architect.
2. Cylindrical Lock Type
a. Locksets and latch sets must conform to ANSI A156.2 Series 1000, Operational Grade 1, and be UL Listed.

EXIT DEVICES

A. Manufacturers:

1. Von Duprin 98 Series to Match Previous Exterior Door Replacement at Zion Chapel High

B. Material:

1. All exit devices to be of one manufacturer and provided in same finish design as locksets.
2. Provide sex nuts and bolts for attachment of surface applied items to doors.
3. Devices shall be UL listed. Devices for fire rated openings shall bear factory installed UL markings that indicate approval for fire rated openings.
4. All exit devices shall be touch-bar type design.
5. All exit devices shall comply with ANSI A156.3, Grade 1.
6. Exit device lever trim shall be equal to Von Duprin break away vandal resistant #996L.
7. Exit devices used at ICC-500 rated door and frame assemblies are to be tested and approved for use with materials specified in Section 083490-Tornado Resistant Assemblies.

CLOSERS

A. Manufacturers:

1. LCN 4050 series
2. Falcon SC71A Series
3. Norton 7500

B. Material:

1. Size of units: Except as otherwise specifically indicated, comply with the manufacturer’s recommendations for size of door control unit, depending upon size of door, exposure to weather and anticipated frequency of use.
   a. Where parallel arms are indicated for closers, provide closer unit one size larger than recommended for use with standard arms.
   b. Where manual closers are indicated for doors required to be accessible to the physically handicapped, provide adjustable units, ANSI opening force and delayed action closing.
2. Closers are to be fully hydraulic, rack and pinion action with high strength cast aluminum cylinders and one piece forged steel pistons. Closer Piston diameter shall be minimum 1½”. Hydraulic regulation to be controlled by tamper-proof, non-critical screw valves, adjustable with a hex by tamper-proof, non-critical screw valves, adjustable with a hex wrench. Separate adjustments for back check, general speed, and latch speed. Where detailed in the door hardware sets, provide delayed action feature to delay closing up to one minute for maximum opening to approximately 75. Back check shall be properly located for protection of the door, frame and applied hardware.
3. All door closers shall comply with ANSI A156.4 Grade 1 and meet the standards of ANSI A117.1 for barrier-free accessibility.
4. All surface door closers are to be through-bolt mounted.
5. Installers shall use manufacturer supplied fasteners for all door closers.

OVERHEAD STOPS AND HOLDERS

A. Manufacturers:

1. Glynn Johnson
2. Sargent
3. Rixson
B. Material:

1. Conform to ANSI A156.8 Grade 1.

PUSH/PULLS & PROTECTION PLATES

A. Manufacturers:

1. Ives
2. Trimco
3. Burns

B. Material:

1. Provide manufacturers standard exposed fasteners for installation, through bolted for matched pairs, but not of single units.
2. Provide 16 gauge minimum thickness for plates.
3. Where specified in the schedule, push/pulls shall have an antimicrobial coating.

THRESHOLDS, WEATHERSTRIPPING & GASKETING

A. Manufacturers:

1. Zero
2. National Guard
3. Reese

B. Material:

1. Provide continuous weather-stripping at each edge of every exterior door leaf, except as otherwise indicated.
2. Provide type, size and profile shown as scheduled.
3. Provide non-corrosive fasteners as recommended by manufacturer for application indicated.
4. Where replaceable seal strips are scheduled, provide only those units where resilient or flexible seal strip is easily replaceable from stocks maintained by manufacturer.
5. Proved standard metal threshold unit of type, size and profile shown as scheduled.

FINISHES

Hardware finishes shall conform to ANSI and shall be as listed below for aluminum, FRP, hollow metal and wood doors:

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<td>Butt Hinges</td>
<td>652 Satin Chrome Plated Steel</td>
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<tr>
<td>Aluminum Hinges</td>
<td>628 Clear Anodized Aluminum</td>
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<tr>
<td>Cont. Pin &amp; Barrel Hinges</td>
<td>630 Satin Stainless Steel</td>
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<tr>
<td>Flush Bolts</td>
<td>626 Satin Chrome Plated</td>
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<tr>
<td>Locksets</td>
<td>626AM Satin Chrome Plated, Anti-Microbial</td>
</tr>
<tr>
<td>Exit Devices</td>
<td>626AM Satin Chrome Plated, Anti-Microbial, with 630AM stainless steel touch bars.</td>
</tr>
<tr>
<td>Door Closers</td>
<td>689 Powder Coat Aluminum</td>
</tr>
<tr>
<td>Push Plates</td>
<td>630AM Satin Stainless Steel, Anti-Microbial</td>
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<tr>
<td>Pulls and Pull Plates</td>
<td>630AM Satin Stainless Steel, Anti-Microbial</td>
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<td>Protective Plates</td>
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<td>Door Stops</td>
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<td>Overhead Holders</td>
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FINISH HARDWARE

08700-6

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PART 3 – EXECUTION

INSTALLATION

Install each hardware item in compliance with manufacturer’s instructions and recommendations. Where cutting and fitting is required to install hardware onto or into surfaces that are later to be painted of finished in another way, install each item completely and then remove and store in a secure place during the finish application. After completion of the finishes, reinstall each item.

1. Do not install surface mounted items until finishes have been completed on the substrate.

Conform to ANSI A117.1 for positioning requirements for the handicapped.

PROTECTION AND CLEANING

After installation, clean metal surfaces on both interior and exterior of all mortar, paint and other contaminants. After cleaning, protect work against damage.

FINAL ADJUSTMENT

Whenever hardware is installed more than one month prior to occupancy or acceptance, return during the week prior to acceptance or occupancy and make a final inspection and adjustment of all hardware items in such space or area.

SCHEDULE

HARDWARE SET: 01

DOOR NUMBER:

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<td>CONT. HINGE</td>
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<td>PANIC HARDWARE W/INTERIOR VISIBLE AT GLANCE “LOCKED” AND “UNLOCKED” DOGGING INDICATORS</td>
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HARDWARE SET: 02

DOOR NUMBER:
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EACH TO HAVE:

2 CONT. HINGE 224XY IVE
1 REMOVABLE MULLION KR4954 STAB VON
1 PANIC HARDWARE CDSI-98-E0 VON
W/INTERIOR VISIBLE AT GLANCE “LOCKED” AND “UNLOCKED” DOGGING INDICATORS
1 PANIC HARDWARE CDSI-98-NL-OP-110MD VON
W/INTERIOR VISIBLE AT GLANCE “LOCKED” AND “UNLOCKED” DOGGING INDICATORS
4 SFIC EVEREST CORE 80-037 SCH
3 SFIC MORTISE CYL. 80-132 SCH
1 SFIC RIM CYLINDER 80-159 SCH
1 DOOR PULL VR910 DT IVE
1 DOOR PULL VR910 NL IVE
2 KICK PLATE 8400 8" X 2" LDW B-CS IVE
1 MULLION SEAL 139N ZER
1 GASKETING 8144 ZER
2 DOOR SWEEP 8198 ZER
1 THRESHOLD 65A ZER
2 SURFACE CLOSURE 4050 SCUSH LCN

HARDWARE SET: 03

DOOR NUMBER:
128

EACH TO HAVE:

1 CONT. HINGE 224XY IVE
1 STOREROOM LOCK L9080HD 17N SCH
1 SFIC EVEREST CORE 80-037 SCH
1 SURFACE CLOSER 4050 SCUSH LCN
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE
1 RAIN DRIP 142 ZER
1 GASKETING 8144 ZER
1 DOOR SWEEP 8198 ZER
1 THRESHOLD 65A ZER

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FINISH HARDWARE 08700-8

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### HARDWARE SET: 04

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<td>STOREROOM LOCK</td>
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HARDWARE SET: 07

DOOR NUMBER: 108A 108B M202

EACH TO HAVE:

6 HINGE 5BB1 4.5 X 4.5 IVE
2 MANUAL FLUSH BOLT FB458 IVE
1 DUST PROOF STRIKE DP2 IVE
1 CLASSROOM LOCK L9070HD 17N SCH
1 SFIC EVEREST CORE 80-037 SCH
2 OH STOP & HOLDER 90H GLY
2 MOP PLATE 8400 6" X 1" LDW B-CS (OMIT @ DOOR M202)
2 KICK PLATE 8400 8" X 2" LDW B-CS (OMIT @ DOOR M202)

HARDWARE SET: 08

DOOR NUMBER: 114 116

EACH TO HAVE:

3 HINGE 5BB1 4.5 X 4.5 IVE
1 OFFICE/ENTRY LOCK L9050HD 17N L583-363 SCH
1 SFIC EVEREST CORE 80-037 SCH
1 OH STOP 90S GLY
1 MOP PLATE 8400 6" X 1" LDW B-CS IVE
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE

HARDWARE SET: 09

DOOR NUMBER: 102

EACH TO HAVE:

3 HINGE 5BB1 4.5 X 4.5 IVE
1 OFFICE/ENTRY LOCK L9050HD 17N L583-363 SCH
1 SFIC EVEREST CORE 80-037 SCH
1 SURFACE CLOSER 4050 RW/PA LCN
1 MOP PLATE 8400 6" X 1" LDW B-CS IVE
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE
1 WALL STOP WS401/402CVX IVE
### HARDWARE SET: 10
**DOOR NUMBER:**
124A

**EACH TO HAVE:**
- 1 CONT. HINGE: 224XY
- 1 CLASSROOM DEAD LOCK: L462HD
- 1 SFIC EVEREST CORE: 80-037
- 1 PUSH PLATE: 8200 4" X 16"
- 1 PULL PLATE: 8303 10" 4" X 16"
- 1 SFIC EVEREST CORE: 80-037
- 1 SURFACE CLOSER: 4050 SHCUSH
- 1 MOP PLATE: 8400 6" X 1" LDW B-CS
- 1 KICK PLATE: 8400 8" X 2" LDW B-CS

### HARDWARE SET: 11
**DOOR NUMBER:**
104 105

**EACH TO HAVE:**
- 3 HINGE: 5BB1HW 4.5 X 4.5
- 1 PUSH PLATE: 8200 4" X 16"
- 1 PULL PLATE: 8303 10" 4" X 16"
- 1 SURFACE CLOSER: 4050 RW/PA
- 1 MOP PLATE: 8400 6" X 1" LDW B-CS
- 1 KICK PLATE: 8400 8" X 2" LDW B-CS
- 1 WALL STOP: WS401/402CVX
- 1 DEADBOLT: L462HD
- 2 PERMANENT CORES SFIC: 1C7

### HARDWARE SET: 12
**DOOR NUMBER:**
121 126

**EACH TO HAVE:**
- 1 CONT. HINGE: 224XY
- 1 PUSH PLATE: 8200 4" X 16"
- 1 PULL PLATE: 8303 10" 4" X 16"
- 1 SURFACE CLOSER: 4050 EDA
- 1 MOP PLATE: 8400 6" X 1" LDW B-CS
- 1 KICK PLATE: 8400 8" X 2" LDW B-CS
- 1 WALL STOP: WS401/402CVX
HARDWARE SET: 13

DOOR NUMBER: 113 118 124

EACH TO HAVE:
1 CONT. HINGE 224XY IVE
1 CLASSROOM DEAD LOCK L463HD SCH
1 SFIC EVEREST CORE 80-037 SCH
1 PUSH PLATE 8200 4" X 16" IVE
1 PULL PLATE 8303 10" 4" X 16" IVE
1 SURFACE CLOSER 4050 RW/PA (SHCUSH @ DOOR 124) LCN
1 MOP PLATE 8400 6" X 1" LDW B-CS IVE
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE
1 WALL STOP WS401/402CVX IVE

HARDWARE SET: 14

DOOR NUMBER: 111 120

EACH TO HAVE:
1 CONT. HINGE 224XY IVE
1 CLASSROOM DEAD LOCK L463HD SCH
1 SFIC EVEREST CORE 80-037 SCH
1 PUSH PLATE 8200 4" X 16" IVE
1 PULL PLATE 8303 10" 4" X 16" IVE
1 SURFACE CLOSER 4050 EDA LCN
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE
1 WALL STOP WS401/402CVX IVE

HARDWARE SET: 15

DOOR NUMBER: 115 117

EACH TO HAVE:
3 HINGE 5BB1 4.5 X 4.5 IVE
1 PRIVACY W/DEADBOLT L9440 17N L583-363 SCH
1 OH STOP 90S GLY
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE
HARDWARE SET: 16

DOOR NUMBER:
  112  119

EACH TO HAVE:
3 HINGE 5BB1 4.5 X 4.5 IVE
1 CORRIDOR LOCK L9456HD 17N L583-363 SCH
1 SFIC EVEREST CORE 80-037 SCH
1 OH STOP 90S GLY
1 SURFACE CLOSER 4050 RW/PA LCN
1 MOP PLATE 8400 6" X 1" LDW B-CS IVE
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE

HARDWARE SET: 17

DOOR NUMBER:
  125  M201

EACH TO HAVE:
3 HINGE 5BB1 4.5 X 4.5 IVE
1 STOREROOM LOCK L9080HD 17N SCH
1 SFIC EVEREST CORE 80-037 SCH
1 MOP PLATE 8400 6" X 1" LDW B-CS (OMIT @ DOOR M201) IVE
1 WALL STOP WS401/402CVX IVE

HARDWARE SET: 18

DOOR NUMBER:
  103

EACH TO HAVE:
3 HINGE 5BB1 4.5 X 4.5 IVE
1 STOREROOM LOCK L9080HD 17N SCH
1 SFIC EVEREST CORE 80-037 SCH
1 OH STOP 90S GLY
1 MOP PLATE 8400 6" X 1" LDW B-CS IVE
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE

HARDWARE SET: 19

DOOR NUMBER:
  106

EACH TO HAVE:
3 HINGE 5BB1 4.5 X 4.5 IVE
1 STOREROOM LOCK L9080HD 17N SCH
1 SFIC EVEREST CORE 80-037 SCH
1 OH STOP 90S GLY
1 KICK PLATE 8400 8" X 2" LDW B-CS IVE

A New Gymnasium at Zion Chapel High School For The Coffee County Board of Education Elba, Alabama

MCKEE PROJECT NO. 19-130

FINISH HARDWARE 08700-13

Revised 7.14.20
A New Gymnasium at Zion Chapel High School For The Coffee County Board of Education Elba, Alabama

MCKEE PROJECT NO. 19-130 Revised 7.14.20

**HARDWARE SET: 20**

**DOOR NUMBER:** 103A

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<td>5BB1 4.5 X 4.5</td>
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<td>STOREROOM LOCK</td>
<td>L9080HD 17N</td>
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<td>SFIC EVEREST CORE</td>
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<td>SURFACE CLOSER</td>
<td>4050 SCUSH</td>
<td>LCN</td>
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<tr>
<td>KICK PLATE</td>
<td>8400 8&quot; X 2&quot; LDW B-CS</td>
<td>IVE</td>
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<tr>
<td>WALL STOP</td>
<td>WS401/402CVX</td>
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**HARDWARE SET: 21**

**DOOR NUMBER:** 108E

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<td>REMOV MULL PRE-WIRED</td>
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<td>SCH</td>
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<td>SFIC RIM CYLINDER</td>
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<td>DOOR PULL</td>
<td>VR910 DT</td>
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<td>DOOR PULL</td>
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<td>KICK PLATE</td>
<td>8400 8&quot; X 2&quot; LDW B-CS</td>
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FINISH HARDWARE

08700-14
### HARDWARE SET: 22

**DOOR NUMBER:**
- 104A
- 105A

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<td>Alarmed Exit Device</td>
<td>98L-996L-17 ALK (BATTERY POWERED)</td>
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<td>Rain Drip</td>
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### HARDWARE SET: AL-01

**DOOR NUMBER:**
- 101A

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<td>Removable Mullion</td>
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<tr>
<td>Panic Hardware W/Interior Visible At Glance “Locked” and “Unlocked” Dogging Indicators</td>
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<td>SFIC Rim Cylinder</td>
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<td>Door Pull</td>
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<td>Mounting Plate</td>
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COORDINATE HARDWARE WITH ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER. BALANCE OF HARDWARE BY ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER.

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A New Gymnasium at
Zion Chapel High School For The
Coffee County Board of Education
Elba, Alabama

MCKEE PROJECT NO. 19-130

FINISH HARDWARE
08700-15

Revised 7.14.20
HARDWARE SET: AL-02

DOOR NUMBER:
108C  108D

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COORDINATE HARDWARE WITH ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER. BALANCE OF HARDWARE BY ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER.
HARDWARE SET: AL-03

DOOR NUMBER:
101

EACH TO HAVE:

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COORDINATE HARDWARE WITH ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER.
BALANCE OF HARDWARE BY ALUMINUM DOOR/FRAME MANUFACTURER/SUPPLIER.

END OF SECTION
SECTION 10110 - DISPLAY CASES [Revised 7.14.20]

PART 1 - GENERAL

1.1 DESCRIPTION OF WORK
   A. This section includes Recessed Trophy and Display Cases

1.2 REFERENCED STANDARDS
   A. ASTM E84
   B. ASTM B221

1.3 SUBMITTALS
   A. Shop drawings: Provide shop drawings for each type of freestanding display or trophy case required.
   B. Product Data: Provide technical data for materials specified. Include Material Safety Data Sheets, when applicable.
   C. Samples:
      a. Manufacturer's color charts.
      b. Composition samples of material and trim to illustrate finish, color and texture.

1.4 OPERATION AND MAINTENANCE
   A. Include data on regular cleaning, stain removal, and precautions.

1.5 REGULATORY REQUIREMENTS
   A. Conform to applicable code for flame/smoke rating in tackboards in accordance with ASTM E84.

1.6 QUALITY ASSURANCE
   A. Manufacturer shall be a firm engaged in the manufacture of display cases in the United States.
   B. Manufacturer shall have a minimum of 5 years experience in the manufacture of display cases.

1.7 FIELD CONDITIONS
   A. Field measure prior to preparation of shop drawings and fabrication to ensure proper fit.

1.8 WARRANTY
   A. Submit a standard warranty, stating that when installed in accordance with manufacturer’s instructions and recommendations, Claridge trophy and display cases are guaranteed for one year against defects in materials and workmanship. Guarantee does not cover normal wear and tear, improper handling, any misuse, or any defects caused by vandalism or subsequent abuse. Guarantee covers replacement of defective material but does not include cost of removal or reinstallation.
PART 2 - PRODUCTS

2.1 MANUFACTURERS


B. Equal products of other manufacturers may be used in the work, provided such products have been approved, by the Architect, not less than Ten (10) days prior to scheduled bid opening.

2.2 MATERIALS

A. Recessed Trophy and Display Case Fronts
   a. 390 Series – Large Door Recessed Aluminum Display Case.
   b. Tackable Back Panels: Architect to select from Claridge Cork; Fabricork; Hook-Fab; Designer Fabric or Tan Nucork.
   c. Laminate Back Panels: Architect to select from Walnut or Oak grained low-pressure laminate finish back panel.
   d. Standard Sizes: 390 Series: 6’ x 6’; 6’ x 8’; 6’ x 10’; 6’ x 12’; 6’ x 14’ and 6’ x 16’. See Drawings for sizes.
   e. Housing: 390 Series with 4” wide face.

B. Glass Doors: Glass doors are ¼” tempered glass sliding doors that slide on ball bearing rollers; fitted with plunger-type locks.
   a. Sliding glass doors have ground-in finger pulls, doors slide on glides.
   b. Hinged glass door cases have piano hinge.
      i. Doors are fitted with flat key tumbler locks.
      ii. 390 Cases 6’ and 8’ wide have two doors; 10’ wide cases have three doors; and 12’, 14’ and 16’ wide cases have four doors.

C. Glass Shelves: Three adjustable glass shelves furnished with brackets and shelf standards. Shelf widths – 12-inch wide or as indicated on drawings.

D. Metal Trim and Accessories: Provide aluminum extrusions as manufactured by Claridge Products and Equipment, Inc. Trim shall be heavy gauge extruded aluminum and shall meet or exceed ASTM B221 alloy standards. Finish to be etched and anodized satin finish. Color anodized and powder coat finish trim optional included.

E. Colors: As selected by Architect from manufacturer’s standard colors. Over 50 standard tackboard colors to choose from.

F. Wood Box: Depth of 24” and finish – walnut or oak grained low pressure laminate.

G. Options: Lights to be included.

2.3 FABRICATION

A. Shop assembly: Provide factory assembled cases to requirements indicated on shop drawings.
B. Units shall be of dimensions shown in details and in accordance with manufacturer’s shop drawings, as approved by architect.

PART 3 - EXECUTION

3.1 PROJECT CONDITIONS

A. Verify before installation that interior moisture and temperature approximate normal occupied conditions.

B. Verify that wall surfaces are prepared and ready to receive cases.

3.2 INSTALLATION

A. Deliver cases set up, made in one piece.

B. Follow manufacturer’s instructions for storage and handling of units before installation.

C. Install level and plumb, in accordance with manufacturer’s recommendations.

3.3 ADJUST AND CLEAN

A. Verify that all accessories are installed as required for each unit.

B. At completion of work, clean glass surfaces, back panels and trim, in accordance with manufacturer’s recommendations, leaving all materials ready for use.

END OF SECTION
July 14, 2020

McKee and Associates
631 South Hull Street
Montgomery, AL  36104

RE: A New Gymnasium at Zion Chapel High School – Fire Alarm (adding a PIV location)

Mr. Warwick Woodham:

Please issue this with your next addendum:

1. SHEET E1.1 & E6.1:

   a. Provide fire alarm monitoring of all supervisor points at the fire water pit location on site. See civil plans for fire water pit locations. Provide surge suppression on all incoming lines from the exterior before they enter the fire alarm panel. Provide conduits as required from the fire water pit to the fire alarm panel.

Thank you for the opportunity to provide engineering services for you on this project.

Sincerely,

Kenny R. Gunn, P.E.