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ARCHITECTS

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ADDENDUM NO. 1
NEW GYMNASIUM ADDITION TO MONTEVALLO HIGH SCHOOL
Architect Job No. 25-33
December 2, 2025
DCM #2025354

BIDS DUE:
Thursday, December 11, 2025, until
2:00 p.m., local time, held at
Shelby County Board of Education,
Facilities and Maintenance Building
125 Industrial Parkway,
Columbiana, AL 35051

The Plans and Specifications are here by amended. The following supersedes all contrary and/or conflicting information and is made part of the contract documents.

GENERAL

1. **BIDS DUE:** The date of the bid has changed to Thursday, December 11, 2025.

SPECIFICATIONS

1. **Section 10530 – Protective Cover Walkway:** DELETE specification in its entirety.

2. **Section 11662 – Gymnasium Equipment:** ADD specification in its entirety.

CLARIFICATIONS

1. **Sheet E2.1 – Master Plan and Single Line Diagram:**
   a. Change new service plaque to read NEW SERVICE #3.

2. **Sheet E3.1 – Floor Plan – Lighting:**
   a. Change motion sensor switch to a regular toggle switch in Mechanical A102.

APPROVED MANUFACTURERS

The following manufacturers have submitted data for prior approval and have been approved by our office, **contingent upon the stipulation that their products must meet or exceed the contract specifications**.

Product		Manufacturer
09551 Wood Gym Floor	Rezill Panel	Connor Sports

PART 1 – GENERAL

1.01 SUMMARY

A. The Work required under this Section consists of providing gymnasium equipment complete with accessories, necessary mounting and installation hardware.

B. Related Sections

1. Section 05 00 00, Structural Metal Framing, Metal Joists.

2. Section 09 00 00, Maintenance of Finishes, Wood Flooring, Interior Painting.

3. Section 26 00 00, Electrical, Installing electrical power to operate gymnasium equipment.

1.02 REFERENCES

A. ASTM A500 - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes.

B. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.

1.03 SUBMITTALS

A. Comply with Section 01 33 00 – Submittal Procedures.

1. Design Data: Submit manufacturer’s design data, including loads to be transmitted to building structural members with requirements of any additional structure needed.

2. Field Test Reporting: Submit manufacturer’s certified destructive test reports completed by an accredited independent testing laboratory, indicating compliance with any specified factor or safety.

3. Shop Drawings: Submit manufacturer’s shop drawings, including elevations, plans, sections, layouts, component locations, dimensions, tolerances, fabrication details, materials, finish, quantities, hardware, fittings, electrical wiring diagrams, additional structure needed details, and method of attachment.

4. Product Data: Submit manufacturer’s product data, including proposed components, fabrication, finish, and materials.

5. Samples: Submit manufacturer’s color samples.

a. Basketball Backboard Edge Padding

b. Basketball Backstop Powder Coat

6. Installation, Operation, and Maintenance Instructions: Submit installation, operation, and maintenance instructions including detailed step-by-step installation, troubleshooting, general operation instructions, and any recommended routine maintenance.

7. Manufacturer's Project References: Submit manufacturer's list of recently completed projects. To be included is project name, location, name of architect, and description of equipment installed.

8. Warranty: Submit manufacturer’s guarantees and warranty information on a system and/or component.

1.04 QUALITY ASSURANCE

A. Manufacturer Qualification: All components to be provided from a single source manufacturer.

B. Installer Qualification: All components to be installed by a trained and qualified installer approved by the manufacturer.

C. Welding Certification: All welding to be completed by a certified welder in accordance to the American Welding Society (AWS), D1.1, “Structural Welding Code – Steel.”

D. Regulatory Requirements: Gymnasium equipment shall conform to the latest rules and regulations:

1. National Federation of State High School Associations (NFSHSA)

2. International Basketball Federation (FIBA)

3. National Collegiate Athletic Association (NCAA)

4. National Basketball Association (NBA)

5. Women's National Basketball Association (WNBA)

1.05 DELIVERY, STORAGE, AND HANDLING

A. Delivery: Deliver basketball system equipment in original manufacturer’s containers, with all containers grouped together, with labels clearly labeling the manufacturer and contents. Upon delivery, immediately inspect delivery for any missing containers or damage. Any damage or defects shall be noted and reported to the Owner’s Representative.

B. Storage: Store containers in a clean, dry indoor location.

C. Handling: Protect materials and finish during handling and installation.

D. Replacements: If necessary, replacements shall be immediately re-ordered, so as to minimize any conflict with the construction schedule.

1.06 WARRANTY

A. Wall mounted basketball structure shall be guaranteed against defects in material and workmanship for a period of ten (10) years. Other components may be covered by their own extended warranty.

B. Ceiling suspended basketball structure shall be guaranteed against defects in material and workmanship for a period of twenty-five (25) years. Other components may be covered by their own extended warranty.

PART 2 – PRODUCTS

2.01 MANUFACTURER

A. Jaypro Sports, LLC. 976 Hartford Turnpike, Waterford, Connecticut 06385. Toll Free 800-243-0533. Phone 860-447-3001. Fax 800-988-3363. Email info@jaypro.com. Web www.jaypro.com.

B. Manufactures of equivalent products will be considered in accordance with Section 01 25 13, Product Substitution Procedures.

2.02 CEILING SUSPENDED BASKETBALL EQUIPMENT

A. J855-SFB, Single Drop, Side Folding, Side Braced: 2 Main Court Units

1. Type: Singe drop, side folding, side braced with attachment up to 32'.

2. Main Mast Stem: 6-5/8" O.D. 11-gauge structural steel tube.

3. Anti-Sway Braces: 2-3/8" O.D. 10-gauge structural steel tube with precision cut ends for maximum weld area. Sway braces shall attach to the mast no higher

than 36" above the backboard for maximum stability.

4. Auxiliary Braces: 1.90" O.D. 13-gauge steel tube braces for increased stability for attachment elevation exceeding 28'.
5. Mast Header: 5" heavy duty structural c-channel.
6. Mast Construction: Fully welded construction in accordance with American Welding Society (AWS), D1.1 "Structural Welding Code - Steel." Bolt-together masts are not acceptable.
7. Side Brace: Operates with 2-3/8" O.D. 12-gauge structure steel tube with heavy duty folding knuckle joint.
8. Knuckle Joint: Locks unit into playing position.
9. Fittings and Support Structure: Backstop supported from existing structure with capped 3-1/2" O.D. 11-gauge structural steel tube with heavy duty precision formed and/or welded steel support fittings.
10. Swing Hinge Fittings: Backstop suspended from 3-1/2" O.D. support pipe by 7/8" forged eyebolts with press fit oil-impregnated bronze bearings. 2" of adjustability provided for precise plumbing of backstop during installation.
11. Weight Lock: Mast centerline offset 2" forward of swing hinge fittings to ensure backstop securely weight locks the unit into the playing position.
12. Hoist Cable: 1/4" Diameter galvanized aircraft cable with 7000 lbs ultimate break strength. Cable disengages knuckle joint, allowing brace to fold.
13. Goals: Mounted directly through the backboard to a direct goal mount which is secured to the 6-5/8" main mast stem. Direct goal mount eliminates any strain on backboard should any player hang on rim.
14. Finish: All metal parts, pipes, and fittings to be powder coated
15. Compliance: Backstop system meets all NCAA and NFSHSA regulations and requirements.

B. J823-BF, Single Drop, Rear Folding, Rear Braced: 4 Side Court Units

1. Type: Singe drop, rear folding, rear braced with attachment up to 32'.
2. Main Mast Stem: 6-5/8" O.D. 11-gauge structural steel tube.
3. Anti-Sway Braces: 2-3/8" O.D. 10-gauge structural steel tube with precision cut ends for maximum weld area. Sway braces shall attach to the mast no higher than 36" above the backboard for maximum stability.
4. Auxiliary Braces: 1.90" O.D. 13-gauge steel tube braces for increased stability for attachment elevation exceeding 28'.
5. Mast Header: 5" heavy duty structural c-channel.
6. Mast Construction: Fully welded construction in accordance with American Welding Society (AWS), D1.1 "Structural Welding Code - Steel." Bolt-together masts are not acceptable.
7. Rear Brace: Operates with 2-3/8" O.D. 12-gauge structure steel tube with heavy duty folding knuckle joint.
8. Knuckle Joint: Locks unit into playing position.
9. Fittings and Support Structure: Backstop supported from existing structure with capped 3-1/2" O.D. 11-gauge structural steel tube with heavy duty precision formed and/or welded steel support fittings.
10. Swing Hinge Fittings: Backstop suspended from 3-1/2" O.D. support pipe by 7/8" forged eyebolts with press fit oil-impregnated bronze bearings. 2" of

adjustability provided for precise plumbing of backstop during installation.

11. Weight Lock: Mast centerline offset 2" forward of swing hinge fittings to ensure backstop securely weight locks the unit into the playing position.

12. Hoist Cable: 1/4" Diameter galvanized aircraft cable with 7000 lbs ultimate break strength. Cable disengages knuckle joint, allowing brace to fold.

13. Goals: Mounted directly through the backboard to a direct goal mount which is secured to the 6-5/8" main mast stem. Direct goal mount eliminates any strain on backboard should any player hang on rim.

14. Finish: All metal parts, pipes, and fittings to be powder coated

15. Compliance: Backstop system meets all NCAA and NFSHSA regulations and requirements.

2.03 BASKETBALL BACKSTOP WINCHES

A. SBBW-4, Electric Positioning Winch

1. Type: Fully enclosed, direct drive winch designed to hold backstop at any position during raising or lowering. Winch is maintenance free with no oil, belts, or chains.

2. Motor: 3/4 HP, instantly reversing, 115 volt, single phase electric torque motor. The winch shall deliver at least 1250 lbs. / 566 Kg. of line pull. Motor shall incorporate built-in thermal overload protection. Motor is rated at an intermittent 10 minute duty cycle and operates at full load amperage rating of 9.2 full load amps.

3. Frame: Precision interlocking steel frame for high rigidity and precise alignment.

4. Hoist Cable: 1/4" 7 x 19 galvanized aircraft cable with 7,000 pounds ultimate break strength.

5. Rope Pressure Roller: Torsion spring tensioning roller to ensure cable tracks properly in grooves even under slack cable conditions.

6. Cable Drum: Cast aluminum grooved for 1/4" aircraft cable to facilitate smooth take-up of cable and proper spooling. Supported in large diameter ball bearings.

7. Limit Switches: Integral adjustable upper and lower limit switches making the setting of stop positions easy and accurate.

8. Mounting: Universal type mounting bracket, mounted upside down or right side up, with cable pull from any one of three different directions.

9. Controls: Specify type of control in subsequent paragraph.

10. Warranty: Limited 1 year warranty.

B. SBAL-30, Auto-loc Safety Strap

1. Application: For use with 1400 Fold-Up Wall Mounted Backstop and all Ceiling Suspended Folding Backstops.

2. Lock: Inertia sensitive to automatically lock basketball backstop in position at any time during raising, lowering, or being held in the storage position. Initiation of locking mechanism occurs when a sudden increase in either tension or speed shall occur.

3. Reset: Fully automatic reset mechanism requiring no poles, ropes, levers, or buttons.

4. Telltale Indicator: Breakaway loop sewn into strap containing bright colored warning label for notification when safety belt has been called into action.

5. Warranty: Limited 1 year warranty.

2.06 BASKETBALL BACKSTOP BACKBOARDS

A. GBRUB-42, 42" x 72" Unbreakable Rectangular Glass Backboard

1. Application: For use with goals with 4" (vertical) x 5" (horizontal) mounting centers. Meets all NBA, WNBA, NCAA, and NFSHSA regulations.
2. Construction: 1/2" tempered glass cushioned within shock absorbing vinyl gasket. Frame constructed of high strength aluminum channel with engineered lower reinforced steel member.
3. Frame Perimeter: Clear anodized anti-glare aluminum channel outer frame.
4. Goal Mount: Designed to transfer impact load on goal directly to support structure, without imparting any stress on the glass.
5. Border and Target: Official white color permanently fused into the face of the glass.
6. Warranty: Limited lifetime warranty against breakage.

2.07 BASKETBALL BACKSTOP EDGE PADDING

A. MBBP-6, Safe-Pro Bolt-On Edge Padding

1. Application: Recommended for all 72" wide glass backboards. Pads meet all NCAA and NFSHSA rules.
2. Type: Bolt-on, molded self-skinning urethane two-piece design.
3. Protection: Padding shall cover entire bottom edge and extend 17-3/8" up the sides. Padding shall not be less than 2" thick.
4. Construction: Steel reinforced plates facilitate attachment of padding with bolts. Interlocking steel pin connectors provided at match point between two halves to provide alignment and eliminate sagging underneath goal.
5. Color: [Royal Blue] [Navy Blue] [Columbia Blue] [Gray] [Black] [Purple] [Light Purple] [Maroon] [Scarlet] [Cardinal] [Burnt Orange] [Orange] [Old Gold] [Yellow] [Kelly Green] [Forest Green] [Pink]
6. Warranty: Safe-Pro Bolt-On Edge Padding covered by 8 year warranty.

2.08 BASKETBALL BACKSTOP GOALS

A. GBA-600, Competitor Pro Breakaway Goal

1. Application: Universal goal for use with backboards with 5" x 4" or 5" x 5" mounting pattern. Meets all NBA, WNBA, NCAA, and NFSHSA regulations.
2. Rim: 5/8" diameter steel rod braced by 3/16" die cut steel bracing welded to the underside of ring.
3. Net Attachment: 12 hideaway net attachments on underside of goal ring for maximum player safety
4. Pressure Release Mechanism: Automatically releases rim when static force exceeding the release setting is applied to the top of the goal at point most distant from the backboard. Spring loaded to instantaneously release back to playing position.
5. Settings: Factory pre-set to 180 lbs - 230 lbs with in-the-field adjustability to comply with NCAA recommendation rebound characteristics of non-moveable ring.
6. Net: White anti-whip nylon net.

7. Finish: Official durable orange powder coat.

8. Warranty: Limited 3 year warranty.

2.09 BASKETBALL BACKSTOP HEIGHT ADJUSTERS

A. SMHA-800, Steel Manual Height Adjuster, Required for all backstops

1. Type: Mechanism for manually adjusting height of backboard and goal.

2. Adjustment Range: Goal position from 8' to 10' above finished floor. Height indicators located on side of aluminum frame to visually determine height settings.

3. Construction: Lightweight, interlocking aluminum alloy extrusions with UHMW-polyethylene jib strips. 1/2" aluminum alloy mounting plates allow universal mounting to any drop and/or bank.

4. Operation: 3/4" acme thread rod secured within two bronze bushings driven by manual hand crank. Operation of height adjuster done from the floor with supplied crank.

5. Size and Weight: Height adjuster shall not exceed 14" in width or 55 pounds in weight. Slim profile has minimum impact on glass backboard clear view. Any height adjuster wider than 14" shall not be approved as equals.

6. Finish: Durable black powder coat.

7. Warranty: Limited 1 year warranty.

2.010 GYM EQUIPMENT GROUP CONTROL SYSTEMS

A. MEC2, Master Equipment Controller 2

1. Operation: Touchscreen operation of electrical winches and motors centrally located so equipment is in full view of operator. Capable of operating up to 256 basketball backstops or other gymnasium equipment and/or up to 512 units of auxiliary gymnasium electrical equipment. Equipment shall operate individually or groups of up to eight components (requires one 15A circuit for each device in grouped operation -OR- one 30A circuit for every two devices).

2. Touchscreen: 5" projected capacitive glass touchscreen. Touchscreen shall include flush mounted black powder coated bezel with 7-5/8" W x 5-3/4" H overall dimensions. Any operator that is not projected capacitive shall not be approved as equals.

3. Mounting: Flush mounted into standard 2-gang multi-gang box (6-13/16" W x 4-1/2" H x 2-1/2" (minimum) D) supplied by others. Touchscreen to be located in clear, unobstructed view of all controlled devices.

4. Built-in Safety Feature: Constant pressure required on touchscreen for operation of gymnasium equipment.

5. Security Code: Up to 50 unique logins with tiered access to prevent unauthorized use and/or modifications.

6. Time Delay: Touch pad shall automatically revert back to secure mode if use within 15-60 seconds (field configurable).

7. Desired Operation Mode: Control of specific gymnasium equipment or auxiliary equipment selected by entering assigned component or group number.

8. Main Relay Panel: Main relay panel shall individually control 8 motorized components or up to 16 auxiliary components. Main relay panel shall contain 2 banks of eight 30-amp relays for operating 8 momentary-controlled type (up and down), 0-230VAC or 0-30VDC pieces of equipment.

9. Expansion Relay Panels: Maximum of 62 expansion relay panels per network,

available in two economical sizes to meet job requirements:

a. Eight 30-amp relays for operating 4 motorized components or up to 8 auxiliary components.

b. Four 30-amp relays for operating 2 motorized components or up to 4 auxiliary components.

10. Programming: Intuitive menu screens for fast, easy programming. No switches or no removal of screens necessary.

11. Electrical Programming: System electrical characteristics (i.e. number and amperage of circuits provided) entered to prevent relay board from improper use.

12. Warranty: Limited one (1) year warranty.

2.011 VOLLEYBALL FLOOR PLATE/SLEEVES

A. PVB-75S, Brass 3-1/2 in. Floor Sleeves, 6 ea. Required

1. Lockable hinged cover

2. Heavy-duty cast brass finish design

3. 7-1/2” outside diameter cover plates, spring loaded latch.

4. 3 Year Limited Warranty

2.012 VOLLEYBALL SYSTEM AND ACCESSORIES

A. PVB-7000, Powerlite System, 2 Complete Systems Required

1. Uprights: Lower section of upright shall be constructed of a 3-1/2 in. O.D. x 0.300 in. wall aluminum tube and shall have a molded composite foot to protect the finished floor during transportation, storage, and installation of standards. Upper section of upright shall be constructed of a 2-7/8 in. O.D. x 0.203 in. wall aluminum tube with a 4-1/2 in. diameter pulley wheel to accommodate the net tensioning straps.

2. Winch: Tensioning winch shall have an internal worm gear construction with an effective 10:1 turn ratio to eliminate snap-back and shall be completely enclosed with a welded steel cover. The winch shall be furnished with folding handle. Winch will have a 1-1/2 in. wide, high tensile strength (7700 lb.) nylon strap with sewn snap buckle for completed cable-less design. Winch is located on outside of post for added player safety. Anchor strap shall be adjustable and winch strap shall be long enough to readily adapt to varying sleeve installation widths.

3. Net: Flex Net shall be 32 ft. long x 39 in. high with a top cable-less binding of 32 ft. 6 in.. A 2 in., 10,000 lbs. tensile strength, white binding shall surround entire perimeter of net body. High tensile strength hardened steel delta rings are attached to allow connection to upright leader straps or cables. This net shall be for use on any of the Jaypro volleyball units. Netting shall be manufactured from high quality, #21 black thread knotted nylon, 4 in. square mesh. Two net dowels at each end shall consist of 1/2 in. EMT steel tubing which are completely enclosed for safety in side pockets. Bottom of net shall have, on each end, a 2 in. Velcro tensioning strap and metal buckle to allow a very tight bottom net binding. Each buckle shall be covered with an attached, yet removable, Velcro strap for player safety. Standard overall net length is designed for 36 ft. on-center standards, but will accommodate 35 ft. to 37 ft. spacing. Volleyball nets with cables for tensioning shall not be considered equal.

4. Upright Padding: Pad shall be manufactured of 2 in. thick virgin polyurethane foam covered by a heavy duty 14 oz. polyester reinforced vinyl sewn into place. A 1-1/2 in. wide vinyl and Velcro flap, sewn onto one pad, securely fastens to the edge of the other in attaching the pad snugly around standard.

All sewing shall be of a lock stitch type, running stitch style of sewing shall not be considered equal. Pad shall be a full 72 in. in height. Velcro flap attachment shall be positioned to allow net cord or strap access to standards. Pad exceeds NFHS, NCAA and USVBA specifications for safety.

5. Antennae: Official 72 in., red and white antennae quickly clamps directly to the top and bottom of the net. Attachment adjustments are made easily from the floor. Fits both 36 in. and 39 in. nets.
6. Boundary Tape (Jaypro Model VA-22)
7. Folding Referee Stand (Jaypro Model VRS-6000), 2 required
8. Referee Stand Pad for VRS-8000 & VRS-6000 (Jaypro Model VRS-60P)
9. Equipment Carrier (6 uprights) (Jaypro Model EC-1000); Only 1 Equipment Carrier required

2.013 GYMNASIUM WALL PADDING

A. WallGuard Impact Wall Padding.

1. Type: Vinyl wrapped high impact wall padding for indoor use only. Bidder is responsible for quantity and dimensions of wall padding. Sections of padding shall meet architectural requirements, as specified by Architect and/or Drawing Elevations.
2. Impact Resistance: Meets or exceeds impact standards as defined in ASTM F2440-04. All pads without certification shall not be approved as equals.
3. Shape and Size:
    1. WallGuard Impact Flat Shaped Wall Pads: Typical 2' wide by 6' high, located 4" above finished floor.
4. Construction:
    1. Vinyl: 14 oz. per square yard with grip tensile strength 365 lbs x 348 lbs and tongue tear strength 92 lbs x 83 lbs. Vinyl shall have embossed leather-like pattern. Vinyl meets or exceeds NFPA 101 Life Safety Code for Class A rating (Flame Spread 0-25, Smoke Development 0-450) and California State (CSFM) test requirements.
    2. Foam: 2" thick ASTM F2440-04 high impact foam.
    3. Backing: 7/16" oriented strand board (OSB) backing. Column pads may be supplied without solid backing material.
    4. Wrapping: Pads with OSB backing shall have vinyl completely wrapped around back side of pad and secured with steel staples.
5. Attachment: WallGuard Impact Wall Padding can be mounted to wood, drywall, concrete, brick, etc using the appropriate fasteners supplied by others. Pads without solid backing material may require custom attachment method.
    1. 1" Nailing Margins Top & Bottom: Pad construction with 1" nailing margin on top and bottom of pad assembly. (STANDARD)
6. Treatments: Vinyl shall be washable and resistant to fade, rot, mildew, and fungus.
7. Color: [Royal Blue] [Navy Blue] [Light Blue] [Purple] [Red] [Maroon] [Black] [White] [Gray] [Forest Green] [Kelly Green] [Tan] [Yellow] [Orange]
8. Graphics: Custom lettering, logos, and/or graphics to be included on 12 lineal feet each end of the gym.

PART 3 – EXECUTION

3.01 EXAMINATION

A. Examine areas of installation for any conditions that would affect the installation of the gymnasium equipment. If conditions exist that prohibits or hinders installation, notify the Architect and do not proceed with the installation until conditions have been resolved.

3.02 INSTALLATION

A. Install equipment in accordance with manufacturer's instructions.

B. Install equipment level, straight, accurate in accordance with the supplied drawings and at the correct locations specified.

C. Install equipment with supplied hardware, fittings, and components.

D. For electrically operated equipment, install electrical power in accordance with Section 26, Electrical.

E. For electrically operated equipment, install control system such that the operation of the equipment can been seen in clear sight.

3.03 ADJUSTING

A. Adjust gymnasium equipment as needed to function properly and to ensure accurate position in both stored and in-use positions.

B. For electric powered gymnasium equipment, adjust upper and lower limit switches as need to achieve desired heights.

3.04 CLEANING

A. Clean gymnasium equipment in accordance with manufacturer's instructions.

B. Do not use harsh cleaning methods or supplies that may alter the finish of the gymnasium equipment.

C. Remove temporary labels and protective coverings.

3.05 DEMONSTRATION

A. Demonstrate complete operation of the gymnasium equipment to the Owner Representative.

B. Furnish Owner Representative of operation procedure and required maintenance.

C. Furnish Owner Representative with means necessary to operate gymnasium equipment.

3.06 PROTECTION

A. For installations of gymnasium equipment with finished floor already installed, provide means of protecting the floor to prevent damage.

END OF SECTION