

**GS# 209-066 Meridian Community College
Softball Tennis Complex Rebid**

ADDENDUM NO. 3

TO: All Bidders on the Above Referenced Product
FROM: Davis Purdy Architects, PLLC
DATE: January 18, 2024
SUBJECT: **ADDENDUM NO. 3**

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM IS REQUIRED ON BID FORM.

Clarifications and revisions to Contract Documents for the referenced project are as follows:

1. **REPLACE:** ADVERTISEMENT FOR BIDS included in the Project Manual with the attached ADVERTISEMENT FOR BIDS
2. **REPLACE:** Replace specification section 08 43 13 ALUMINUM-FRAMED STOREFRONTS dated 11/10/23 with 08 43 13 ALUMINUM-FRAMED STOREFRONTS dated 1/17/24
3. **REPLACE:** Replace the Specification section **10 28 00 – Toilet Accessories** dated 11/10/23 with specification section **10 28 00 – Toilet Accessories** dated 1/17/24. Specification section 10 28 00 is attached.
4. **ADD:** Add the Specification section **32 14 16 – Brick Unit Paving** dated 1/18/24.
5. **CLARIFICATION:** Brick pavers are to be installed over 4-inch thick concrete slab on grade with herringbone pattern. Perimeter border pavers are to be laid in thinset mortar bed. Paver joints are to be tight and filled with sand. Concrete slab shall be in accordance with Typical Slab Details shown on Structural Drawings and shall have a

minimum 8-inch by 8-inch continuous turndown footing with (2)-#5 rebar around the slab perimeter. Slope slab to drain with 2% min. slope and 5% max. slope

6. CLARIFICATION: Trench drains along tennis courts:

- a. Trench drains basis of design is: Advance Drainage System (ADS) Duraslot XL Trench Drain Pipe or equal. Minimum pipe diameter shall be twelve inches (12").

7. CLARIFICATION: Tree Removal

- a. Tree removal to be completed in accordance with drawing C1.1 CIVIL PLAN

8. CLARIFICATION: Aluminum Panels MP-1 & MP-2 are to be .032 in. thick

9. REPLACE: Replace drawing A-F-1.0 SOFTBALL FIELD PLAN dated 11/10/23 with A-F-1.0 SOFTBALL FIELD PLAN dated 1/17/24

10. REPLACE: Replace drawing A-T-1.0 TENNIS COURT PLAN & DETAILS dated 11/10/23 with A-T-1.0 TENNIS COURT PLAN & DETAILS dated 1/17/24

11. REPLACE: Replace drawing A-B-1.0 BATTING BUILDING PLAN dated 11/10/23 with A-B-1.0 BATTING BUILDING PLAN dated 1/17/24

12. The following Products have been approved for substitution in the project:

- a. **Tennis Court Surface** – Quality Court Industries, QCI Premier (Acrylic) Court Surfacing System
- b. **Bleacher** – National Recreation Systems, NA 0421STD_CL, Non-Elevated Aluminum 4 Row x 21'-0" Bleacher
- c. **Tennis Cabana** - Quality Court Industries, Cabana Bench, (Item # 30019)

13. OMIT: Closed Cell Polyethylene foam (K) in details 1-6 on page S-T-1.1 TENNIS COURT FOUNDATION DETAILS & NOTES

14. REPLACE: Replace drawing S-T-1.0 TENNIS COURT FOUNDATION PLAN dated 11/10/23 with S-T-1.0 TENNIS COURT FOUNDATION PLAN dated 1/17/24


15. CLARIFICATION: Please disregard the following set of notes on Structural Sheet S-T-1.1 dated 11/10/23: "SITE SPECIFIC NOTES" located adjacent to detail 5/NET POST WITH SLEEVE DETAIL.

16. REPLACE: Replace drawing E-0.3 PANEL SCHEDULES dated 11/10/23 with E-0.3 PANEL SCHEDULES dated 1/18/24

17. REPLACE: Replace drawing E-1.0 ELECTRICAL SITE PLAN dated 11/10/23 with E-1.0 ELECTRICAL SITE PLAN dated 1/18/24

18. CLARIFICATION: Commissioning will be provided by the Buruea of Buildings. Testing and Balancing will be by the Contractor with the BOB overseeing the process.

Submitted By



Mark Davis, AIA

Davis Purdy Architects, PLLC

January 18, 2024

**ACKNOWLEDGEMENT OF RECEIPT OF THIS ADDENDUM IS REQUIRED AND
SHALL BE INDICATED ON BID FORM**

**DEPARTMENT OF FINANCE AND ADMINISTRATION
BUREAU OF BUILDING, GROUNDS AND
REAL PROPERTY MANAGEMENT
JACKSON, MISSISSIPPI**

ADVERTISEMENT FOR BIDS

Sealed bids will be received electronically via MAGIC or physically delivered to the office of the Bureau of Building, Grounds and Real Property Management, 501 North West Street, First Floor, Room 117, Jackson, Mississippi, 39201, until 2:00:00 p.m. (14:00:00 Military Time) on Tuesday, 01/23/2024, for:

RE: GS# 209-066 New Softball Tennis Complex (Rebid)
Meridian Community College
RFx # 3160006341

at which time they will be publicly opened and read. Contract documents may be obtained from:

Professional: Davis Purdy Architects, PLLC
Address: Post Office Box 703
Meridian, Mississippi 39302
Phone: 601-282-1655
Email: mark@davispurdyarchitects.com

A deposit of \$100.00 is required. Bid preparation will be in accordance with Instructions to Bidders bound in the project manual. The Bureau of Building, Grounds and Real Property Management reserves the right to waive irregularities and to reject any or all bids. **NOTE: Telephones and desks will not be available for bidders use at the bid site.**

Bureau of Building, Grounds and Real Property Management

Dates of Publication:

12/21/2023
12/28/2023

Note: Whenever reference is made, in any document or meeting, to 2:00:00 p.m., it shall also mean, and be the same as, 14:00:00 Military Time.

SECTION 08 43 13
ALUMINUM-FRAMED STOREFRONTS

SECTION 08 43 13 - ALUMINUM-FRAMED STOREFRONTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Aluminum-framed storefront systems.

1.2 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.

B. Sustainable Design Submittals:

1. Product Data: For sealants, indicating VOC content.
2. Laboratory Test Reports: For sealants, indicating compliance with requirements for low-emitting materials.

- C. Shop Drawings: Include plans, elevations, sections, full-size details, and attachments to other work.

1. Show connection to and continuity with adjacent thermal, weather, air, and vapor barriers.

- D. Samples: For each exposed finish required.

- E. Entrance Door Hardware Schedule: Prepared by or under supervision of supplier, detailing fabrication and assembly of entrance door hardware, as well as procedures and diagrams.

- F. Delegated-Design Submittal: For aluminum-framed entrances and storefronts indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

1.4 INFORMATIONAL SUBMITTALS

- A. Energy Performance Certificates: NFRC-certified energy performance values from manufacturer.

- B. Product test reports.

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- C. Field quality-control reports.
- D. Sample warranties.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.6 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are trained and approved by manufacturer.
- B. Testing Agency Qualifications: Qualified according to ASTM E 699 for testing indicated and accredited by IAS or ILAC Mutual Recognition Arrangement as complying with ISO/IEC 17025.
- C. Product Options: Information on Drawings and in Specifications establishes requirements for aesthetic effects and performance characteristics of assemblies. Aesthetic effects are indicated by dimensions, arrangements, alignment, and profiles of components and assemblies as they relate to sightlines, to one another, and to adjoining construction.
 - 1. Do not change intended aesthetic effects, as judged solely by Architect, except with Architect's approval. If changes are proposed, submit comprehensive explanatory data to Architect for review.

1.7 WARRANTY

- A. Special Warranty: Installer agrees to repair or replace components of aluminum-framed entrances and storefronts that do not comply with requirements or that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: 10 years from date of Substantial Completion.
- B. Special Finish Warranty: Standard form in which manufacturer agrees to repair finishes or replace aluminum that shows evidence of deterioration of factory-applied finishes within specified warranty period.
 - 1. Warranty Period: 20 years from date of Substantial Completion.
- C. Special Finish Warranty, Anodized Finishes: Standard form in which manufacturer agrees to repair finishes or replace aluminum that shows evidence of deterioration of anodized finishes within specified warranty period.
 - 1. Warranty Period: 10 years from date of Substantial Completion.

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ALUMINUM-FRAMED STOREFRONTS

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:
1. Arcadia, Inc.
 2. Coral Architectural Products, Inc.
 3. EFCO Corporation.
 4. Kawneer North America; an Alcoa company.
 5. Leed Himmel Industries, Inc.
 6. TRACO.
 7. Tubelite.
 8. Vistawall Architectural Products; The Vistawall Group; a Bluescope Steel company.
 9. YKK AP America Inc.

2.2 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Engage a qualified professional engineer, as defined in Section 014000 "Quality Requirements," to design aluminum-framed entrances and storefronts.
- B. General Performance: Comply with performance requirements specified, as determined by testing of aluminum-framed entrances and storefronts representing those indicated for this Project without failure due to defective manufacture, fabrication, installation, or other defects in construction.
1. Aluminum-framed entrances and storefronts shall withstand movements of supporting structure including, but not limited to, story drift, twist, column shortening, long-term creep, and deflection from uniformly distributed and concentrated live loads.
 2. Failure also includes the following:
 - a. Thermal stresses transferring to building structure.
 - b. Glass breakage.
 - c. Noise or vibration created by wind and thermal and structural movements.
 - d. Loosening or weakening of fasteners, attachments, and other components.
 - e. Failure of operating units.
- C. Structural Loads:
1. Wind Loads: As indicated on Drawings.
 2. Other Design Loads: As indicated on Drawings.
- D. Deflection of Framing Members: At design wind pressure, as follows:
1. Deflection Normal to Wall Plane: Limited to 1/175 of clear span for spans up to 13 feet 6 inches (4.1 m) and to 1/240 of clear span plus 1/4 inch (6.35 mm) for spans greater than 13 feet 6 inches (4.1 m)] or an amount that restricts edge deflection of individual glazing lites to 3/4 inch (19.1 mm), whichever is less.

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2. Deflection Parallel to Glazing Plane: Limited to amount not exceeding that which reduces glazing bite to less than 75 percent of design dimension and that which reduces edge clearance between framing members and glazing or other fixed components to less than 1/8 inch (3.2 mm).
 - a. Operable Units: Provide a minimum 1/16-inch (1.6-mm) clearance between framing members and operable units.
 3. Cantilever Deflection: Where framing members overhang an anchor point, as follows:
 - a. Perpendicular to Plane of Wall: No greater than 1/240 of clear span plus 1/4 inch (6.35 mm) for spans greater than 11 feet 8-1/4 inches (3.6 m) or 1/175 times span, for spans less than 11 feet 8-1/4 inches (3.6 m).
- E. Structural: Test according to ASTM E 330 as follows:
1. When tested at positive and negative wind-load design pressures, assemblies do not evidence deflection exceeding specified limits.
 2. When tested at 150 percent of positive and negative wind-load design pressures, assemblies, including anchorage, do not evidence material failures, structural distress, or permanent deformation of main framing members exceeding 0.2 percent of span.
 3. Test Durations: As required by design wind velocity, but not less than 10 seconds.
- F. Air Leakage: Test according to ASHRAE/IES 90.1 requirements as follows:
1. Fixed Framing and Glass Area:
 - a. Maximum air leakage of 0.06 cfm/sq. ft. (0.30 L/s per sq. m) at a static-air-pressure differential of 6.24 lbf/sq. ft. (300 Pa) when tested in accordance with ASTM E283.
 2. Condensation Resistance Factor (CRF):
 - a. Fixed Glazing and Framing Areas: CRF for the system of not less than 70 as determined in accordance with AAMA 1503.
- G. Water Penetration under Static Pressure: Test according to ASTM E 331 as follows:
1. No evidence of water penetration through fixed glazing and framing areas when tested according to a minimum static-air-pressure differential of 20 percent of positive wind-load design pressure, but not less than 15 lbf/sq. ft. (480 Pa).
- H. Energy Performance: Certify and label energy performance according to NFRC as follows:
1. Thermal Transmittance (U-factor): Fixed glazing and framing areas shall have U-factor of not more than 0.69 Btu/sq. ft. x h x deg F (3.92 W/sq. m x K) as determined according to NFRC 100.
 2. Solar Heat Gain Coefficient: Fixed glazing and framing areas shall have a solar heat gain coefficient of no greater than 0.35 as determined according to NFRC 200.
 3. Condensation Resistance: Fixed glazing and framing areas shall have an NFRC-certified condensation resistance rating of no less than 45 as determined according to NFRC 500.

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- I. Windborne-Debris Impact Resistance: Pass missile-impact and cyclic-pressure tests when tested according to ASTM E 1886 and testing information in ASTM E 1996 for Wind Zone 1 for basic protection.
- J. Thermal Movements: Allow for thermal movements resulting from ambient and surface temperature changes:
 - 1. Temperature Change: 120 deg F (67 deg C), ambient; 180 deg F (100 deg C), material surfaces.

2.3 ALUMINUM-FRAMED STOREFRONT SYSTEMS

- A. Framing Members: Manufacturer's extruded- or formed-aluminum framing members of thickness required and reinforced as required to support imposed loads.
 - 1. Exterior Framing Construction: Thermally broken.
 - 2. Glazing System: Retained mechanically with gaskets on four sides.
 - 3. Glazing Plane: Front.
 - 4. Finish: Clear anodic finish, Color anodic finish, or High-performance organic finish as selected by architect.
 - 5. Fabrication Method: Field-fabricated stick system.
 - 6. Steel Reinforcement: As required by manufacturer.
- B. Backer Plates: Manufacturer's standard, continuous backer plates for framing members, if not integral, where framing abuts adjacent construction.
- C. Brackets and Reinforcements: Manufacturer's standard high-strength aluminum with nonstaining, nonferrous shims for aligning system components.
- D. Materials:
 - 1. Aluminum: Alloy and temper recommended by manufacturer for type of use and finish indicated.
 - a. Sheet and Plate: ASTM B 209 (ASTM B 209M).
 - b. Extruded Bars, Rods, Profiles, and Tubes: ASTM B 221 (ASTM B 221M).
 - c. Extruded Structural Pipe and Tubes: ASTM B 429/B 429M.
 - d. Structural Profiles: ASTM B 308/B 308M.
 - 2. Steel Reinforcement: Manufacturer's standard zinc-rich, corrosion-resistant primer complying with SSPC-PS Guide No. 12.00; applied immediately after surface preparation and pretreatment. Select surface preparation methods according to recommendations in SSPC-SP COM, and prepare surfaces according to applicable SSPC standard.
 - a. Structural Shapes, Plates, and Bars: ASTM A 36/A 36M.
 - b. Cold-Rolled Sheet and Strip: ASTM A 1008/A 1008M.
 - c. Hot-Rolled Sheet and Strip: ASTM A 1011/A 1011M.

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2.4 GLAZING

- A. Glazing: Comply with Section 088000 "Glazing."
- B. Glazing Gaskets: Manufacturer's standard sealed-corner pressure-glazing system of black, resilient elastomeric glazing gaskets, setting blocks, and shims or spacers.
- C. Glazing Sealants: As recommended by manufacturer.
 - 1. Sealant shall have a VOC content of 250 g/L or less.~\$s~45~S\$
 - 2. Sealant shall comply with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."~\$s~46~S\$

2.5 FABRICATION

- A. Form or extrude aluminum shapes before finishing.
- B. Weld in concealed locations to greatest extent possible to minimize distortion or discoloration of finish. Remove weld spatter and welding oxides from exposed surfaces by descaling or grinding.
- C. Fabricate components that, when assembled, have the following characteristics:
 - 1. Profiles that are sharp, straight, and free of defects or deformations.
 - 2. Accurately fitted joints with ends coped or mitered.
 - 3. Physical and thermal isolation of glazing from framing members.
 - 4. Accommodations for thermal and mechanical movements of glazing and framing to maintain required glazing edge clearances.
 - 5. Provisions for field replacement of glazing from exterior.
 - 6. Fasteners, anchors, and connection devices that are concealed from view to greatest extent possible.
- D. Mechanically Glazed Framing Members: Fabricate for flush glazing without projecting stops.
- E. Entrance Door Frames: Reinforce as required to support loads imposed by door operation and for installing entrance door hardware.
- F. Entrance Doors: Reinforce doors as required for installing entrance door hardware.
- G. Entrance Door Hardware Installation: Factory install entrance door hardware to the greatest extent possible. Cut, drill, and tap for factory-installed entrance door hardware before applying finishes.
- H. After fabrication, clearly mark components to identify their locations in Project according to Shop Drawings.

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ALUMINUM-FRAMED STOREFRONTS

2.6 ALUMINUM FINISHES

- A. Clear Anodic Finish: AAMA 611, AA-M12C22A31, Class II, 0.010 mm or thicker.
- B. Color Anodic Finish: AAMA 611, AA-M12C22A32/A34, Class II, 0.010 mm or thicker.
 - 1. As selected by Architect from full range of industry colors and color densities.
- C. Baked-Enamel or Powder-Coat Finish: AAMA 2603 except with a minimum dry film thickness of 1.5 mils (0.04 mm).
 - 1. Color and Gloss: As selected by Architect from manufacturer's full range.
- D. High-Performance Organic Finish: Two-coat fluoropolymer finish complying with AAMA 2604 or AAMA 2605 and containing not less than 70 percent PVDF or FEVE resin by weight in color coat.
 - 1. Color and Gloss: As selected by Architect from manufacturer's full range
- E. High-Performance Organic Finish: Four -coat fluoropolymer finish complying with AAMA 2605 and containing not less than 70 percent PVDF or FEVE resin by weight in both color coat and clear topcoat.
 - 1. Color and Gloss: As selected by Architect from manufacturer's full range

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General:
 - 1. Comply with manufacturer's written instructions.
 - 2. Do not install damaged components.
 - 3. Fit joints to produce hairline joints free of burrs and distortion.
 - 4. Rigidly secure nonmovement joints.
 - 5. Install anchors with separators and isolators to prevent metal corrosion and electrolytic deterioration and to prevent impeding movement of moving joints.
 - 6. Seal perimeter and other joints watertight unless otherwise indicated.
- B. Metal Protection:
 - 1. Where aluminum is in contact with dissimilar metals, protect against galvanic action by painting contact surfaces with materials recommended by manufacturer for this purpose or by installing nonconductive spacers.
 - 2. Where aluminum is in contact with concrete or masonry, protect against corrosion by painting contact surfaces with bituminous paint.
- C. Set continuous sill members and flashing in full sealant bed as specified in Section 079200 "Joint Sealants" to produce weathertight installation.
- D. Install components plumb and true in alignment with established lines and grades.

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- E. Install operable units level and plumb, securely anchored, and without distortion. Adjust weather-stripping contact and hardware movement to produce proper operation.
- F. Install glazing as specified in Section 088000 "Glazing."
- G. Entrance Doors: Install doors to produce smooth operation and tight fit at contact points.
 - 1. Exterior Doors: Install to produce weathertight enclosure and tight fit at weather stripping.
 - 2. Field-Installed Entrance Door Hardware: Install surface-mounted entrance door hardware according to entrance door hardware manufacturers' written instructions using concealed fasteners to greatest extent possible.

3.2 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
- B. Field Quality-Control Testing: Contractor to perform the following test on mockups.
 - 1. Water-Spray Test: Before installation of interior finishes has begun, areas designated by Architect shall be tested according to AAMA 501.2 and shall not evidence water penetration.
 - a. Perform a minimum of three tests in areas as directed by Architect.
 - b. Perform test 18 linear feet minimum on each of the following buildings:
 - 1) Press Box
 - 2. Air Leakage: ASTM E783 at 1.5 times the rate specified for laboratory testing in "Performance Requirements" Article but not more than 0.09 cfm/sq. ft. (0.45 L/s per sq. m) at a static-air-pressure differential of 1.57 lbf/sq. ft. (75 Pa).
 - a. Perform a minimum of three tests in areas as directed by Architect.
 - b. Perform test 18 linear feet minimum on each of the following buildings:
 - 1) Press Box
 - 3. Water Penetration: ASTM E1105 at a minimum [uniform] [and] [cyclic] static-air-pressure differential of 0.67 times the static-air-pressure differential specified for laboratory testing in "Performance Requirements" Article, but not less than 6.24 lbf/sq. ft. (300 Pa), and shall not evidence water penetration.
 - a. Perform a minimum of three tests in areas as directed by Architect.
 - b. Perform test 18 linear feet minimum on each of the following buildings:
 - 1) Press Box
- C. Aluminum-framed storefronts will be considered defective if they do not pass tests and inspections.

SECTION 08 43 13
ALUMINUM-FRAMED STOREFRONTS

- D. Prepare test and inspection reports.

END OF SECTION 08 43 13

SECTION 10 28 00
TOILET ACCESSORIES

SECTION 10 28 00 – TOILET ACCESSORIES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Public-use washroom accessories.
 - 2. Public-use shower room accessories.
 - 3. Private-use bathroom accessories.
 - 4. Custodial accessories.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Product Schedule: Indicating types, quantities, sizes, and installation locations by room of each accessory required.
 - 1. Identify locations using room designations indicated.
 - 2. Identify products using designations indicated.

1.3 INFORMATIONAL SUBMITTALS

- A. Warranty: Sample of special warranty.

1.4 CLOSEOUT SUBMITTALS

- A. Maintenance data.

1.5 QUALITY ASSURANCE

- A. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

1.6 WARRANTY

- A. Special Mirror Warranty: Manufacturer's standard form in which manufacturer agrees to replace mirrors that develop visible silver spoilage defects and that fail in materials or workmanship within specified warranty period.
 - 1. Warranty Period: 15 years from date of Substantial Completion.

SECTION 10 28 00
TOILET ACCESSORIES

PART 2 - PRODUCTS

2.1 WASHROOM ACCESSORIES

- A. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

1. A & J Washroom Accessories, Inc.
2. American Specialties, Inc.
3. Bobrick Washroom Equipment, Inc.
4. Bradley Corporation.
5. GAMCO Specialty Accessories; a division of Bobrick Washroom Equipment, Inc.
6. Tubular Specialties Manufacturing, Inc.

B. Toilet Paper Holder

1. TPH: Bobrick B-2730, or equal
 - a. Mount as directed in quantities and locations shown on drawings.

C. Grab Bar

1. GB-1: Bobrick B-68061x42, or equal
 - a. Mount as directed in quantities and locations shown on drawings.
2. GB-2: Bobrick B-68061x36, or equal
 - a. Mount as directed in quantities and locations shown on drawings.
3. GB-3: Bobrick B-68061x18, or equal
 - a. Mount as directed in quantities and locations shown on drawings.

D. Mop and Broom Hold

1. MH: Bobrick B-223, or equal
 - a. 5" high x 36" length x 3-1/4" projection
 - b. One provided at Janitors Closet.

E. Stainless Steel Framed Mirror Units

1. Mirror: Bobrick - B 165, or equal
 - a. Size shown on Drawings
 - b. Mount as directed in quantities and locations shown on drawings.

F. Paper Towel Dispenser

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TOILET ACCESSORIES

1. PTDD: Bobrick B-262, or equal
 - a. 10 3/4" wide x 14 3/4" x 4" deep
 - b. Mount as directed in quantities and locations shown on drawings.

- G. Stainless Steel Corner Guards:
 1. Provide 2"x2"x4' stainless steel corner guards on all exterior drywall corners throughout the building.

- H. Soap Dispenser
 1. Bobrick B-2111, or equal.
 - a. Mount as directed in quantities and locations shown on drawings.

- I. Towel Pin
 1. Bobrick B-6777, or equal.
 - a. Provide two (2) per shower room.

- J. Electric Hand Dryer
 1. Dyson Air Baled V, or equal
 - a. HUO2 sprayed Nickel, 100-120v (LV)
 - b. Mount as directed in quantities and locations shown on drawings.

- K. Baby Changing Station
 1. Bradley 9631-000000, or equal
 - a. Description: Horizontal unit that opens by folding down from stored position and with child-protection strap.
 - b. Mounting: Surface mounted

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TOILET ACCESSORIES

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Install accessories according to manufacturers' written instructions, using fasteners appropriate to substrate indicated and recommended by unit manufacturer. Install units level, plumb, and firmly anchored in locations and at heights indicated.
- B. Grab Bars: Install to withstand a downward load of at least 250 lbf (1112 N), when tested according to ASTM F 446.

END OF SECTION 10 28 00

SECTION 32 14 16 - BRICK UNIT PAVING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Clay brick pavers.
2. Setting bed.
3. Joints.
4. Curbs and borders.
5. Control and expansion joints.

B. Related Sections:

1. Section 07 90 00 - Joint Protection.
2. Section 31 23 23 - Fill: Compacted fill preparation.

1.2 UNIT PRICE - MEASUREMENT AND PAYMENT

A. Brick Pavers on Concrete Slab:

1. Basis of Measurement: By the square foot.
2. Basis of Payment: Includes preparation of substrate, concrete slab base, pavers, mortar, joints, and finishing.

B. Curbs and Border:

1. Basis of Measurement: By linear foot.
2. Basis of Payment: Includes preparation of substrate, curbs, jointing.

1.3 REFERENCES

A. American National Standards Institute:

1. ANSI A118.4 - Latex-Portland Cement Mortar.

B. ASTM International:

1. ASTM A185 - Standard Specification for Steel Welded Wire Fabric, Plain, for Concrete Reinforcement.
2. ASTM C33 - Standard Specification for Concrete Aggregates.
3. ASTM C144 - Standard Specification for Aggregate for Masonry Mortar.
4. ASTM C150 - Standard Specification for Portland Cement.
5. ASTM C270 - Standard Specification for Mortar for Unit Masonry.
6. ASTM C902 - Standard Specification for Pedestrian and Light Traffic Paving Brick.
7. ASTM C1272 - Standard Specification for Heavy Vehicular Paving Brick.

8. ASTM C1371 - Standard Test Method for Determination of Emittance of Materials Near Room Temperature Using Portable Emissometers.
9. ASTM C1549 - Standard Test Method for Determination of Solar Reflectance Near Ambient Temperature Using a Portable Solar Reflectometer.
10. ASTM E408 - Standard Test Methods for Total Normal Emittance of Surfaces Using Inspection-Meter Techniques.
11. ASTM E903 - Standard Test Method for Solar Absorptance, Reflectance, and Transmittance of Materials Using Integrating Spheres.
12. ASTM E1918 - Standard Test Method for Measuring Solar Reflectance of Horizontal and Low-Sloped Surfaces in the Field.
13. ASTM E1980 - Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces.

1.4 SYSTEM DESCRIPTION

- A. Paving and Setting Bed: To accommodate pedestrian traffic.

1.5 SUBMITTALS

- A. Section 013300 - Submittal Procedures: Requirements for submittals.
- B. Shop Drawings: Indicate on shop drawings, layout of pavers, special design layout, layout of curbs and borders, dimensions of paved areas, control joints, expansion joints, elevations, and affected adjacent construction.
- C. Product Data: Submit data on characteristics of paver unit, curbs and border, special shapes, dimensions, mortar, setting and grouting materials.
- D. Samples: Submit **two** sample pavers, curb, and border units illustrating color, surface finish, and texture.

1.6 SUSTAINABLE DESIGN SUBMITTALS

- A. Section 018113 - Sustainable Design Requirements: Requirements for sustainable design submittals.
- B. Manufacturer's Certificate: Certify products meet or exceed specified sustainable design requirements.
 1. Sustainable Sites Certificates:
 - a. Certify paving materials solar reflectance index.

1.7 QUALITY ASSURANCE

- A. Perform Work according to State of Mississippi standards.
- B. Maintain one copy of each document on site.

1.8 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing Products specified in this section with minimum three years documented experience.
- B. Installer: Company specializing in performing work of this section with minimum three years documented experience or approved by manufacturer.

1.9 MOCKUP

- A. Section 01 40 00 - Quality Requirements: Requirements for mockup.
- B. Construct mockup, 100 sq ft, including setting bed, brick pavers, curbs and border, joint sealers, control joint, expansion joint, and accessories to pattern indicated.
- C. Locate where directed by Architect.
- D. Incorporate accepted mockup as part of Work.

1.10 ENVIRONMENTAL REQUIREMENTS

- A. Section 01 60 00 - Product Requirements: Environmental conditions affecting products on site.
- B. Do not install mortar when surrounding air or substrate surface temperature is below 40 degrees F prior to, during, and 48 hours after completion of Work.
- C. Do not install mortar when surrounding air or substrate surface temperature is above 100 degrees F during and 48 hours after completion of the Work.
- D. Do not install mortar when wind velocity exceeds 30 mph.
- E. At end of working day, or during rainy weather, cover work exposed to weather with waterproof coverings, securely anchored.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers:
 - 1. Columbus Brick Company
 - 2. General Shale
 - 3. Acme Brick
 - 4. Henry Brick
 - 5. Pine Hall Brick
 - 6. Substitutions: Section 01 60 00 - Product Requirements

2.2 SUSTAINABILITY CHARACTERISTICS

- A. Section 01 81 13 - Sustainable Design Requirements: Requirements for sustainable design compliance.
- B. Sustainable Sites Characteristics:
 - 1. Paving Surfaces: Minimum solar reflectance index (SRI) of 29, calculated according to ASTM E1980.
 - a. Reflectance: Measured according to ASTM E903, ASTM E1918, or ASTM C1549.
 - b. Emittance: Measured according to ASTM E408 or ASTM C1371.
- C. Materials and Resources Characteristics:
 - 1. Recycled Content Materials: N/A.
 - 2. Regional Materials: Furnish materials extracted, processed, and manufactured within 500 miles of Project site.

2.3 PAVER MATERIALS

- A. Pavers: ASTM C902, Weather Class **SX**; Traffic Type **I**; Application **PS**, to the following characteristics:
 - 1. Maximum Moisture Absorption: 12 percent.
 - 2. Size: 4 by 2.25 by 8 inches.
 - 3. Color: As selected.
 - 4. Exposed Surface Texture: As selected.
- B. Paving Surfaces: Minimum solar reflectance index (SRI) of **29**, calculated according to ASTM E1980.
 - 1. Reflectance: Measured according to ASTM E903, ASTM E1918, or ASTM C1549.
 - 2. Emittance: Measured according to ASTM E408 or ASTM C1371.

2.4 SAND MATERIALS

- A. Sand for Joint Filler: ASTM C33 or ASTM C144, clean washed river or bank sand.

2.5 CEMENTITIOUS MATERIALS

- A. Premixed Grout Mortar: Keraflex Super manufactured by MAPEI.
- B. Water: Potable and not detrimental to mortar.

2.6 REINFORCEMENT

- A. Reinforcing Mesh: ASTM A185; 6x6-W2.1/W2.1; galvanized steel.

2.7 ACCESSORIES

- A. Edging: Formed concrete slab.
- B. Border: Border pavers to be adhered to concrete with thinset mortar specified.
- C. Curbs: N/A.
- D. Cleaning Solution: Type recommended by paver manufacturer.
- E. Expansion Joint Filler: Backer Rod type, self-expanding.

2.8 MIXES

- A. Cementitious Bed: Premixed Grout Mortar specified around border.
- B. Thoroughly mix ingredients in quantities required for immediate use.
- C. Use cementitious mixes within two hours after mixing. Do not re-temper.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Section 01 30 00 - Administrative Requirements: Coordination and project conditions.
- B. Verify substrate is ready to support pavers and imposed loads.
- C. Verify gradients and elevations of substrate are correct.

3.2 INSTALLATION - OVER CONCRETE SLAB

- A. Reference Typical Slab Details on Structural Drawings.
- B. Concrete slab to be 4" thick with 6x6-W2.1/W2.1 W.W.M. reinforcing and 8-inch by 8-inch continuous turndown footing with (2) - #5 rebar around perimeter.
- C. Sweep substrate surface clean of loose matter.
- D. Set perimeter paver units around border in full cementitious thinset mortar bed to support pavers over full bearing surface.
- E. Place paver units in **herringbone** pattern, from straight reference line.
- F. Place half units or special shaped units at edges and interruptions. Machine saw partial units.
- G. Align construction / expansion joints in pavers with joints in concrete slab.
- H. Maintain tight joints between pavers, and at abutting vertical surfaces and protrusions.

- I. Spread sand over surface and sweep into joints. Moisten joints and recover with additional sand until firm joints are achieved. Remove excess sand.

3.3 CLEANING

- A. Section 01 70 00 - Execution and Closeout Requirements: Final cleaning.
- B. Do not clean pavers until pavers and mortar are dry for minimum of three days.
- C. Only clean soiled surfaces using cleaning solution as needed. Do not harm pavers, joint materials, or adjacent surfaces.
- D. Use non-metallic tools in cleaning operations.
- E. Rinse surfaces thoroughly with clean water.
- F. Broom clean paving surfaces. Dispose of excess sand.

3.4 PROTECTION OF FINISHED WORK

- A. Section 01 70 00 - Execution and Closeout Requirements: Protecting finished work.
- B. Do not permit traffic over unprotected paver surface for 7 days.

END OF SECTION 32 14 16



DAVIS PURDY ARCHITECTS, PLLC

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NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FIELD ACCESSORIES, INCLUDED BUT NOT LIMITED TO THE FOLLOWING:
- BASES, BATTER'S BOX, PITCHER RUBBER, ETC.

2. FOUL POLES ARE PROVIDED BY THE OWNER. CONTRACTOR TO PROVIDE SLEEVES AND INSTALL POLES.

3. ALL FIELD FENCING TO BE CLASS 2B, FUSED & BONDED VINYL COATED, 9 GAUGE GALVANIZED STEEL WIRE CORE CHAIN LINK. MESH SIZE TO BE 2". ALL POSTS TO BE 3", 40 WEIGHT STEEL PIPE WITH A BLACK POWDER COATED FINISH.

4. SOFTBALL INFIELD, OUTFIELD, WARNING TRACK, & BALLPENS TO BE ARTIFICIAL TURF W/ DRAINAGE SYSTEM.

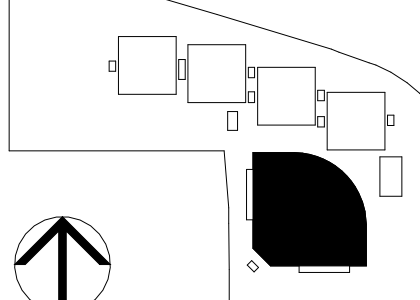
5. TURF DRAWINGS, DESIGN, & INSTALLATION TO BE INCLUDED IN TURF PACKAGE.

6. ALL OUTFIELD FENCES TO BE CONTINUOUS & HAVE FULL HEIGHT WINDSCREENS, POLE PADS, & FENCE GAUARDS.

7. GRANDSTAND TO BE DESIGNED & PROVIDED BY GRANDSTAND MANUFACTURER. GRANDSTAND TO MEET ALL APPLICABLE CODES AND ADA REQUIREMENTS.

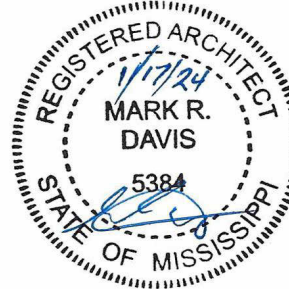
8. STRUCTURAL DESIGN FOR SOFTBALL FIELD NET POLES AND GRANDSTAND FOUNDATION ARE TO BE STAMPED BY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MISSISSIPPI PROVIDED BY THE CONTRACTOR.

KEY PLAN



NORTH

Seal



No.	Description	Date
1	SCHEMATIC DESIGN	11/11/22
2	DESIGN DEVELOPMENT	1/27/23
3	90% REVIEW SET	6/29/23
4	CONSTRUCTION DOCUMENTS	8/11/23
5	CORR. DUCK REVISION	11/10/23
6	ADDENDUM NO. 3	1/17/24

MERIDIAN COMMUNITY COLLEGE
SOFTBALL & TENNIS COMPLEX

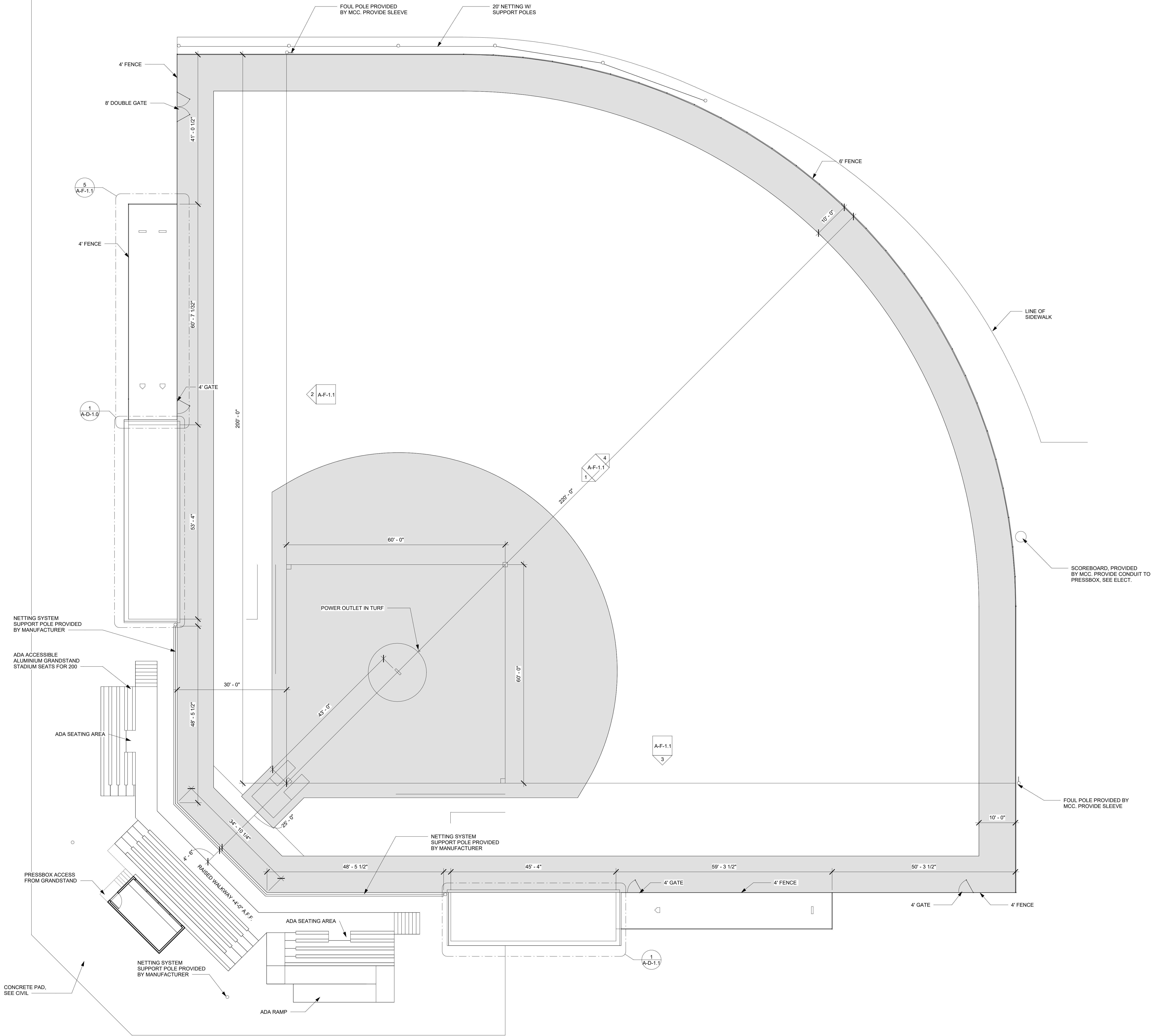
910 Highway 19N,
Meridian, MS 39307

Sheet Title

SOFTBALL FIELD PLAN

Project No. GS# 209-066 Date 1/17/24

A-F-1.0



1 SOFTBALL FIELD PLAN
3/32" = 1'-0"



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GENERAL NOTE:

1. ALL COURT FENCING TO BE CLASS 2B, FUSED & BONDED VINYL COATED, 9 GAUGE GALVANIZED STEEL WIRE CORE CHAIN LINK. MESH SIZE TO BE 1-3/4". ALL POSTS TO BE 3", 40 WEIGHT STEEL PIPE WITH A BLACK POWDER COATED FINISH.

2. PROVIDE & INSTALL FULL HEIGHT GRAPHIC WINDSCREENS FOR ALL 10' FENCES AND ASSOCIATED GATES.

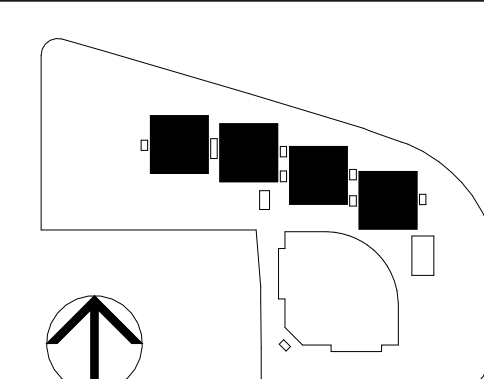
3. ALL COURTS TO BE POST TENSION CONCRETE WITH SURFACE COATINGS.

4. ALL COURTS TO HAVE CUSHIONED COATING SYSTEM.

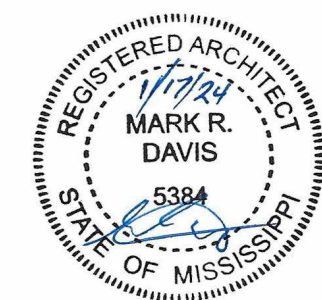
5. PROVIDE ONE ALUMINUM BLEACHER PER TENNIS COURT, (8 TOTAL), BASIS OF DESIGN.

Belson Outdoors, LLC
627 Amersale Drive
Naperville, IL 60563
https://www.belson.com
Model BS-0421c (4 steps with chain-link / 21'-0" in length)
OR EQUAL.

KEY PLAN



Seal



No.	Description	Date
1	SCHEMATIC DESIGN	11/11/22
2	DESIGN DEVELOPMENT	1/27/23
3	90% REVIEW SET	6/29/23
4	CONSTRUCTION DOCUMENTS	8/11/23
5	CONST. DOCS. - REND	11/10/23
6	ADDENDUM NO. 3	11/17/24

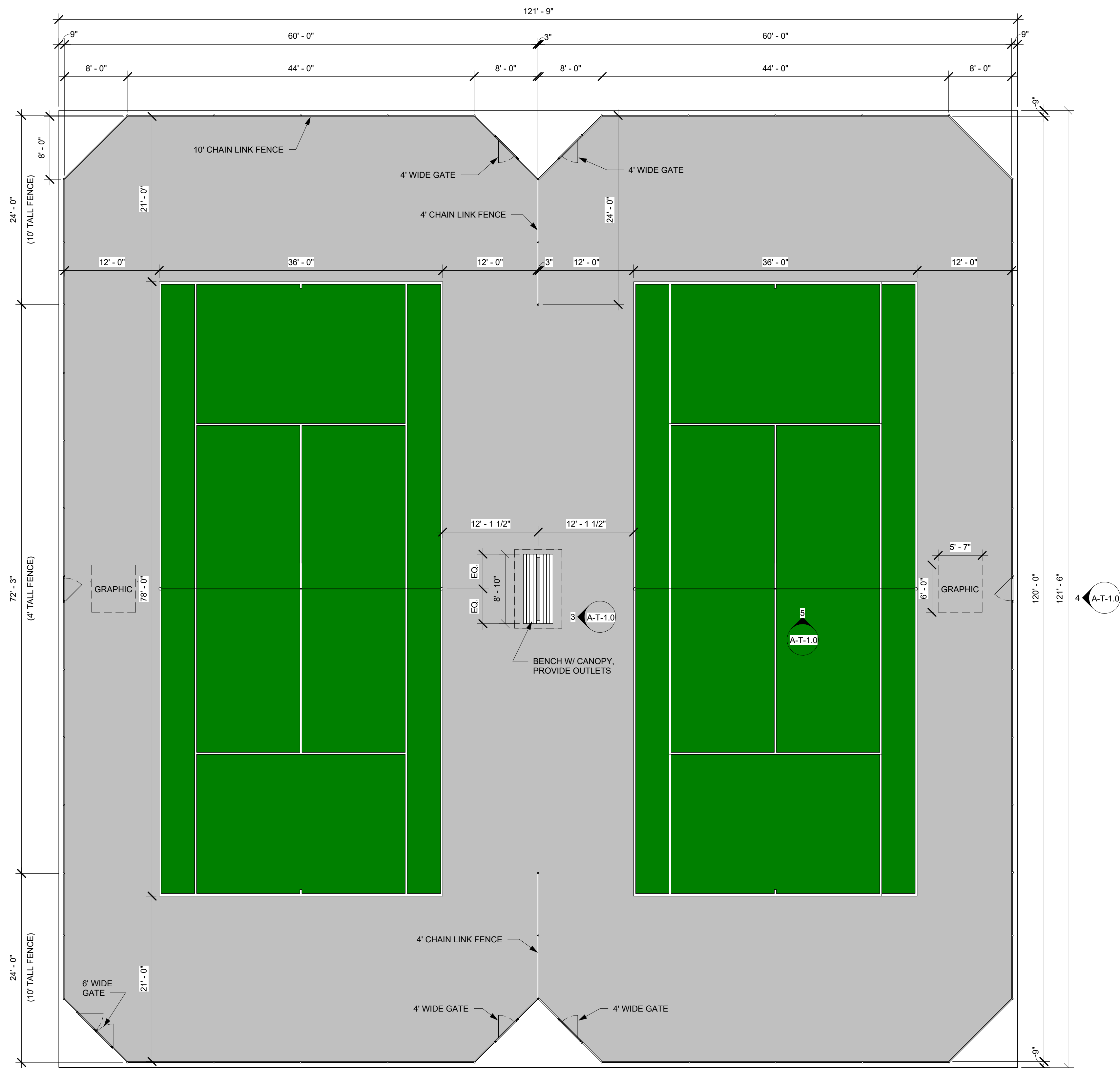
MERIDIAN COMMUNITY COLLEGE
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910 Highway 19N,
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Sheet Title

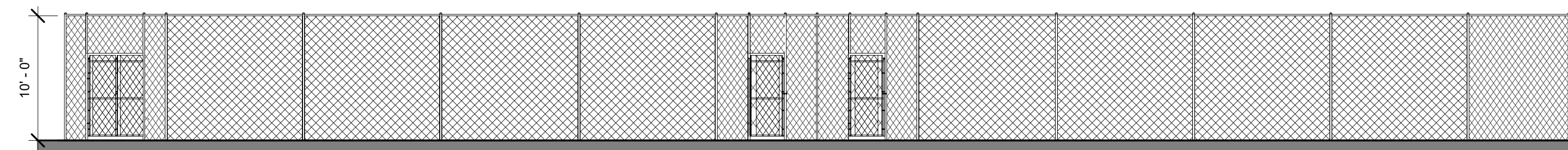
TENNIS COURT
PLAN & DETAILS

Project No. GS# 209-066 Date 1/17/23

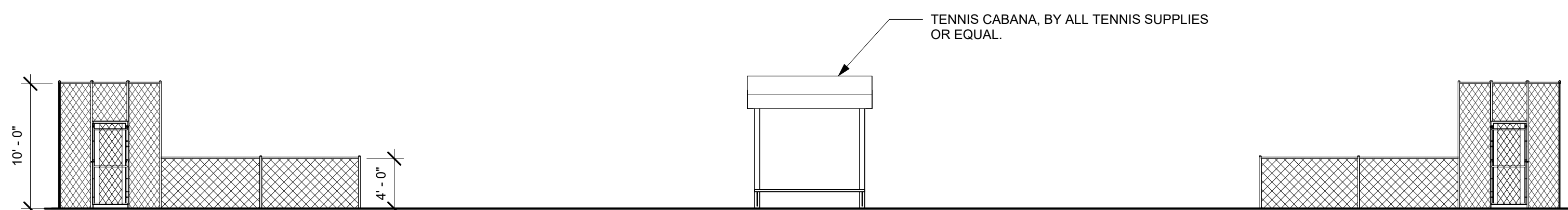
A-T-1.0



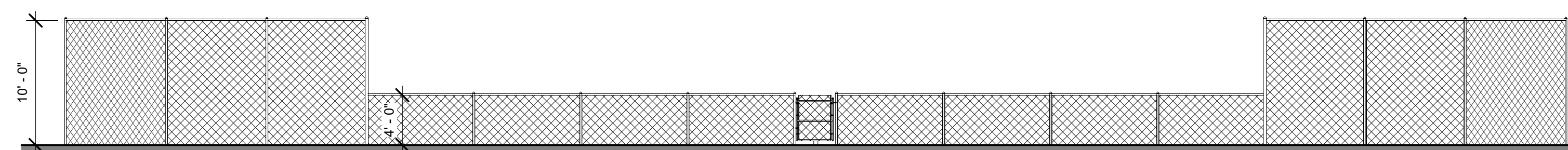
1 TYP TENNIS SITE PLAN
1/8" = 1'-0"



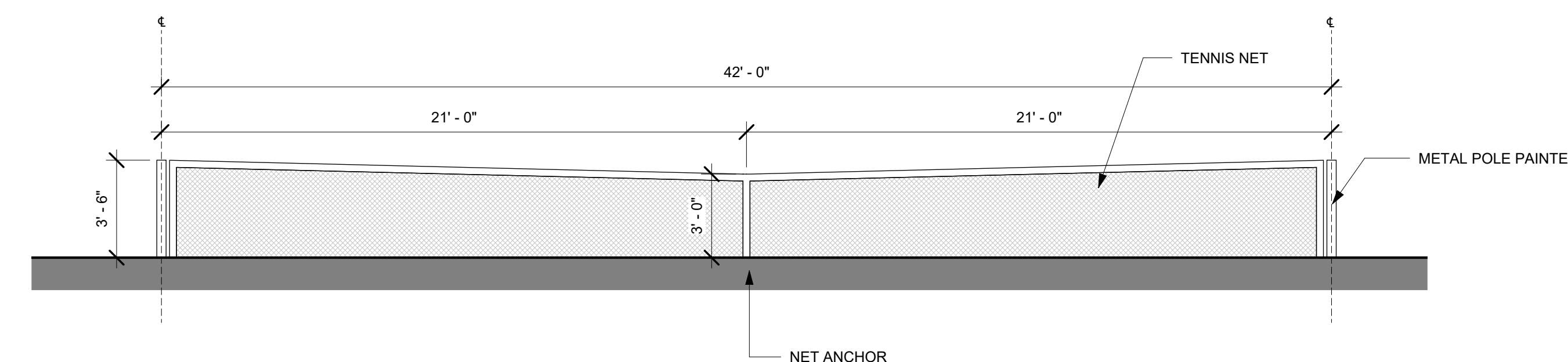
2 TENNIS COURT FENCE SIDE ELEVATION
1/8" = 1'-0"



3 TENNIS COURT FENCE MIDDLE ELEVATION
1/8" = 1'-0"



4 TENNIS COURT FENCE LONG ELEVATION
1/8" = 1'-0"



5 TENNIS NET TYPICAL ELEVATION
1/4" = 1'-0"



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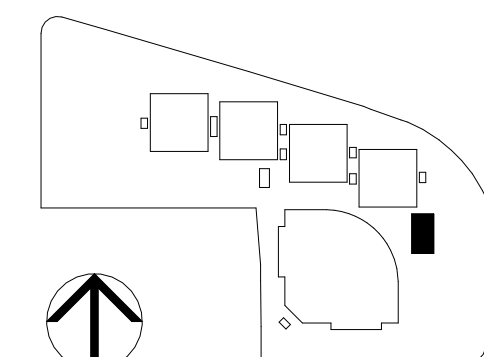
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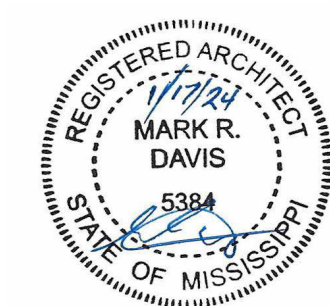
GENERAL NOTE:

1. STRUCTURE TO BE DESIGNED & PROVIDED BY PRE-ENGINEERED METAL BUILDING MANUFACTURER
2. **BATTING CAGES B-01** TO HAVE VINYL INSULATION BY P.E.M.B. MANUFACTURER IN ALL WALLS (R-19), AND CEILING (R-30).
3. ALL EXPOSED METAL STRUCTURE TO BE PAINTED

KEY PLAN



Seal



No.	Description	Date
1	SCHEMATIC DESIGN	11/11/22
2	DESIGN DEVELOPMENT	1/27/23
3	90% REVIEW SET	6/29/23
4	CONSTRUCTION DOCUMENTS	8/11/23
5	CONST. DOCS - R000	11/10/23
6	ADDENDUM NO. 3	11/17/24

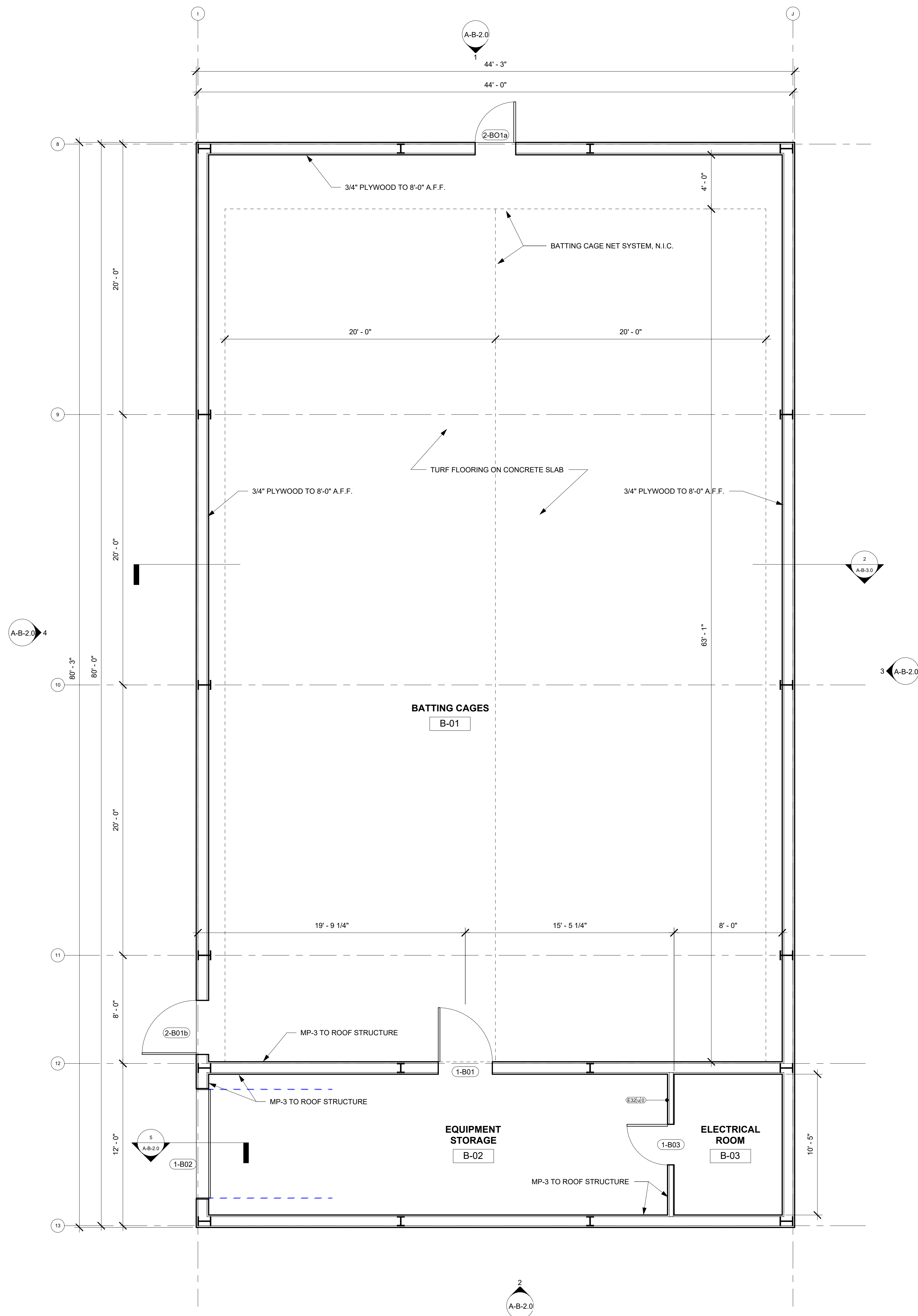
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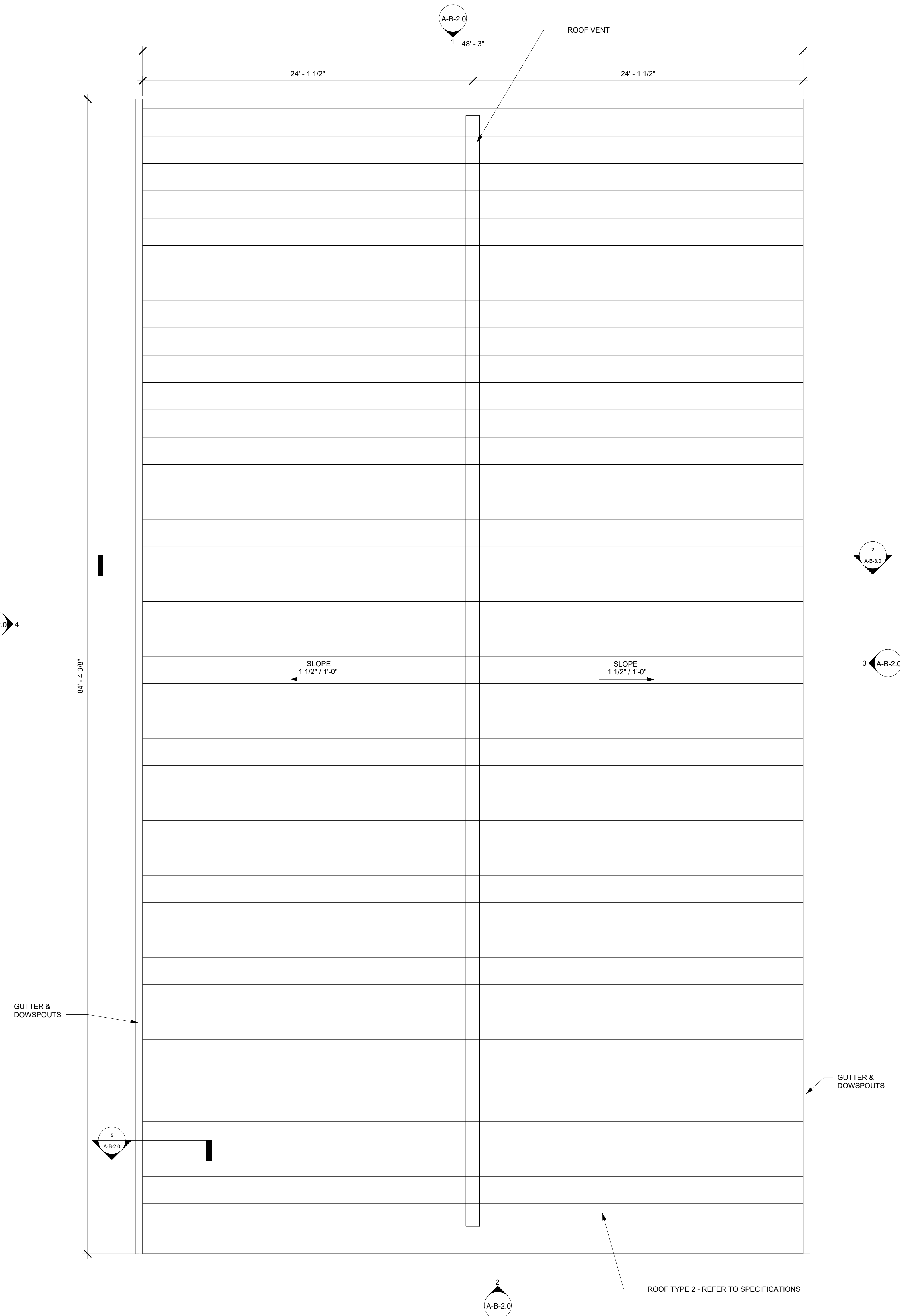
BATTING BUILDING PLAN

Project No. GS# 209-066 Date 1/17/24

A-B-1.0



1 BATTING BUILDING FLOOR PLAN
1/4" = 1'-0"

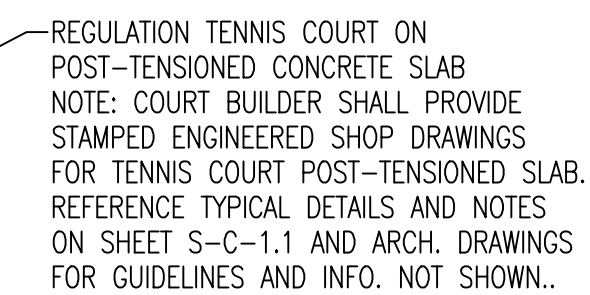


2 BATTING BUILDING ROOF PLAN
1/4" = 1'-0"



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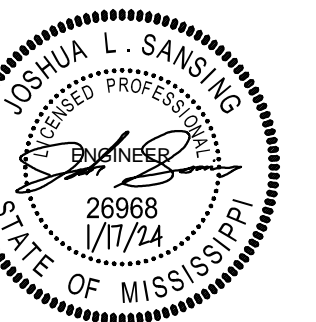
DAVIS PURDY ARCHITECTS, PLLC



POST-TENSIONING NOTE:

SLAB SHALL BE ENGINEERED TO MEET 125 PSI RESIDUAL COMPRESSIVE STRENGTH. POST-TENSIONING MATERIAL SHOULD CONSIST OF SEVEN WIRE STRESS-RELIEVED STRANDS, CONFORMING TO ASTM A 416, WITH AN ULTIMATE STRENGTH OF 270 KSI. STRANDS SHOULD BE COATED WITH A PERMANENT RUB PREVENTATIVE LUBRICANT AND WRAPPED WITH PLASTIC SHEATHING. IF STRAND SHEATHING IS DAMAGED OR REMOVED, IT IS TO BE REPAIRED BY TAPING. A MAXIMUM OF 6" EXPOSED STRAND IS PERMITTED AT THE ANCHOR. END ANCHORAGE DETAILS WILL CONFORM TO POST-TENSIONING INSTITUTE (PTI) SPECIFICATIONS. ALL DEAD-END ANCHORAGES MUST BE SEALED TO ALL STRANDS TO BE SUPPORTED ON CHAIRS AND TIED AT ALL INTERSECTIONS OR SECURELY SUPPORTED IN BEAMS TO PREVENT VERTICAL AND HORIZONTAL MOVEMENT DURING CONCRETE PLACEMENT. CABLES SHOULD BE LAID OUT IN GRIDS NO GREATER THAN 3.5' ON CENTER. THE COURT BUILDERS MUST PROVIDE A STAMPED ENGINEERED SHOP DRAWING FOR THE PT SLAB FOR SUBMITTAL. SLAB SHALL BE ENGINEERED TO MEET 125 PSI RESIDUAL COMPRESSIVE STRENGTH. CONCRETE MUST BE WELL CONSOLIDATED, ESPECIALLY IN THE VICINITY OF STRAND ANCHORAGES. STRANDS SHOULD BE ANCHORED AT 28.9 KIPS BUT MAY BE INITIALLY STRESSED AT 33 KIPS. A 9" DIAMETER CENTERED ON THE STRAND KIPS BY A 36" LENGTH SHALL BE ALLOWED TO BE USED TO STRESS THE STRANDS. THE STRESSING OPERATION GENERATES TREMENDOUS PRESSURES AND EXTREME CARE SHOULD BE TAKEN TO PREVENT INJURY FROM OPERATOR ERROR OR FAILURE OF EQUIPMENT OR MATERIALS. ALL STRUCTURAL MATERIALS SHALL BE DESIGNED USING ACCEPTABLE ENGINEERING PRACTICES IN ACCORDANCE WITH THE GEOTECHNICAL AND STRUCTURAL ENGINEER'S RECOMMENDATIONS.

LAN



Description	Date
SCHEMATIC DESIGN	11/11/23
DESIGN DEVELOPMENT	1/27/23
99 PERCENT REVIEW	6/29/23
CONSTRUCTION DOCUMENTS	8/11/23
CONST. DOCS. - REBID	11/10/23
ADDENDUM NO. 3	1/17/24

MERIDIAN COMMUNITY
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**SOFTBALL & TENNIS
 COMPLEX**
 910 Highway 19N,
 Meridian, MS 39307

250

ENNIS COURT FOUNDATION PLAN

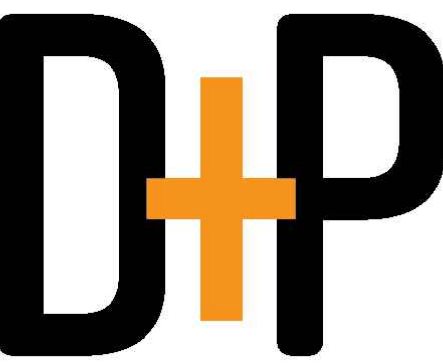
No.	Date
S# 209-066	11/10/2023

S-T-1.0

PANEL			LOCATION:		ELECTRICAL ROOM		LUG LOCATION:		BOTTOM FEED												PANELBOARD AIG RATING (A):		10,000	
LPB			VOLT:		208Y/120V, 3Ø, 4W		MAIN BUS:		175A MAIN BREAKER															
BUS:					Z25A		MOUNTING:		SURFACE															
CIRCUIT NO.			BREAKER		DESCRIPTION		A		PHASE		LOAD (KVA)		C		DESCRIPTION		AMPS		POLES		CIRCUIT NO.			
1	20	1			LTS - PRESSBOX	0.2	0.4								REC - TDBB-2	20	1	2						
3	20	1			REC - TDBB-2					0.4	0.7				REC - PRESSBOX	20	1	4						
5	20	1			REC - PRESSBOX								0.7	0.5	REC - HOME DUGOUT	20	1	6						
7	20	1			REC - VISITOR DUGOUT	0.5	0.2								REC - MOUND	20	1	8						
9	20	1			REC - CHANGING ROOM					0.2	1.5				EUH-1	20	1	10						
11	20	1			LTS - DUGHOT								0.3	0.5	RCP-1	15	1	12						
13	30	2			EWH-1	1.8	1.5								EUH-2	20	1	14						
15	-	-								1.8	0.5				RCP-2	15	1	16						
17	20	1			LTS - DUGOUT								0.4	2.5	PTHP-1	30	2	18						
19	20	1			REC - PRESSBOX	0.7	2.5								-	-	-	20						
21	20	1			REC - PRESSBOX					0.4	2.5				PTHP-2	30	2	22						
23	20	1			SPARE								0.0	2.5		-	-	24						
25	20	1			POWER FOR SIGNAGE	0.5	1.5								EUH-1	20	1	26						
27	20	1			SPARE					0.0	0.0				SPARE	20	1	28						
29	30	2			EWH-2								1.8	0.0	SPARE	20	1	30						
31	-	-				1.8	0.0								SPARE	20	1	32						
33	20	1			SPARE					0.0	0.0				SPARE	20	1	34						
35	20	1			SPARE								0.0	0.0	SPARE	20	1	36						
37	20	1			SPARE	0.0	0.0								SPARE	20	1	38						
39	20	1			SPARE					0.0	0.0				SPARE	20	1	40						
41	20	1			SPARE								0.0	0.0	SPARE	20	1	42						
43	20	1			SPARE	0.0	0.0								SPARE	20	1	44						
45	20	1			SPARE					0.0	0.0				SPARE	20	1	46						
47	20	1			SPARE								0.0	0.0	SPARE	20	1	48						
49	20	1			SPARE	0.0	0.0								SPARE	20	1	50						
51	20	1			SPARE					0.0	0.0				SPARE	20	1	52						
53	20	1			LIGHTING CONTROL PANEL								0.0	0.0	SPARE	20	1	54						
TOTAL						11.5		7.9		9.2														

PANEL LGP		LOCATION/VOLT: BUS	ELECTRICAL ROOM 208Y/120V, 3Ø, 4W 100A	LUG LOCATION: MAIN BUS	BOTTOM FEED 100A MAIN BREAKER SURFACE	PANELBOARD AIC RATING (A): 10,000					
CIRCUIT NO	BREAKER		DESCRIPTION	PHASE LOAD (KVA)			DESCRIPTION	BREAKER		CIRCUIT NO	
	AMPS	POLES		A	B	C		AMPS	POLES		
1	20	1	LTS - BATTING CAGE	0.7	0.5		REC - BATTING CAGES	20	1	2	
3	20	1	REC - BATTING CAGES	0.4	0.5		REC - BATTING CAGES	20	1	4	
5	20	1	REC - EQUIPMENT STORAGE			0.4	EUH-1	20	2	6	
7	20	1	LV-2BLV-3	0.0	1.7		EUH-1	20	2	8	
9	20	1	REC - TENNIS COURTS	0.4	1.7		EUH-2	20	2	10	
11	20	1	POWER FOR SIGNAGE			0.0	-	-	-	12	
13	20	1	SCORE BOARD	0.5	2.4		HP-1	45	2	14	
15	15	2	AC - 1-1-1-3			0.2	HP-1	45	2	16	
17	-	-				0.2	HP-2	40	2	18	
19	15	2	AC - 2-1-2-3	0.2	2.6		-	-	-	20	
21	-	-			0.2	0.1	EF-1	20	1	22	
23	-	-	SPARE			0.0	EF-2	20	1	24	
TOTAL				8.6	5.8	6.5					

PANEL			LOCATION:	ELECTRICAL ROOM	LUG LOCATION:	BOTTOM FEED	PANELBOARD AIC RATING (A):				10,000	
LTP			VOLT:	208Y/120V, 3Ø, 4W	MAIN BUS:	175A MAIN BREAKER						
			BUS:	225A	MOUNTING:	SURFACE						
CIRCUIT NO.	BREAKER	POLES	DESCRIPTION	PHASE LOAD (KVA)			C	DESCRIPTION	BREAKER	POLES	CIRCUIT NO.	
				A	B							
1	20	1	LTS - INTERIOR	1.1	0.4			REC - TENNIS COURTS	20	1	2	
3	20	1	REC - OUTSIDE CONCESSIONS, OUTSIDE CORRIDOR		0.4	0.4		REC - TENNIS COURTS	20	1	4	
5	20	1	REC - DRINKING FOUNTAIN				0.5	0.4	REC - TENNIS COURTS	20	1	6
7	20	1	REC - DRINKING FOUNTAIN	0.5	0.4			REC - TENNIS COURTS	20	1	8	
9	20	1	HEAT RECOVERY SYSTEM				0.3	0.4	REC - TENNIS COURTS	20	1	10
11	20	1	BUILDING AUTOMATION SYSTEM				0.3	0.4	REC - TENNIS COURTS	20	1	12
13	20	1	REC - CONCESSIONS	0.2	0.4			REC - TENNIS COURTS	20	1	14	
15	20	1	REC - CONCESSIONS		0.2	0.4		REC - TENNIS COURTS	20	1	16	
17	20	1	LIGHTING CONTROL PANEL				0.0	0.4	REC - TENNIS COURTS	20	1	18
19	20	1	RCP-5&RCP-6	0.8	0.8			REC - ICE MAKER	20	1	20	
21	20	1	RCP-7&RCP-8			0.8	0.0	SPARE	20	1	22	
23	20	1	SPARE				0.0	0.2	REC - CONCESSIONS	20	1	24
25	20	1	SPARE	0.0	1.0			REC - TDBB-1	20	1	26	
27	20	1	REC - CONCESSIONS		0.2	1.0		REC - TDBB-1	20	1	28	
29	20	1	REC - CONCESSIONS				0.2	0.2	LTS - EXTERIOR	20	1	30
31	20	1	REC - CONCESSIONS	0.2	0.1			BS-1	20	1	32	
33	20	1	REC - CONCESSIONS		0.2	0.1			20	1	34	
35	20	1	REC - CONCESSIONS				0.2	0.1	LU-1-0105	20	1	36
37	20	1	REC - CONCESSIONS	0.2	0.1			-	20	1	38	
39	20	1	SPARE		0.0	0.8		RCP-18/RCP-2	20	1	40	
41	20	1	EF-1,2,3,4,5				0.3	0.8	RCP-3&RCP-4	20	1	42
43	20	1	SPARE	0.0	0.0			SPARE	20	1	44	
45	20	1	SPARE		0.0	0.0		SPARE	20	1	46	
47	20	1	SPARE				0.0	0.0	SPARE	20	1	48
49	20	1	SPARE	0.0	0.0			SPARE	20	1	50	
51	20	1	SPARE		0.0	0.0		SPARE	20	1	52	
53	20	1	SPARE				0.0	0.0	SPARE	20	1	54
TOTAL				6.0	4.9		3.7					



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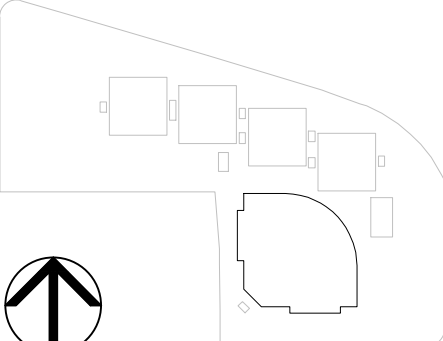
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TPS PROJ. # 20172



KEY PLAN



Seal

No.	Description	Date
1	SCHEMATIC DESIGN	11/11/22
2	DESIGN DEVELOPMENT	1/27/23
3	90% REVIEW SET	6/29/23
4	CONSTRUCTION DOCUMENTS	11/10/23
5	ADDENDUM #3	1/18/24

MERIDIAN COMMUNITY COLLEGE

SOFTBALL & TENNIS COMPLEX

910 Highway 19N,
Meridian, MS 39307

Sheet Title

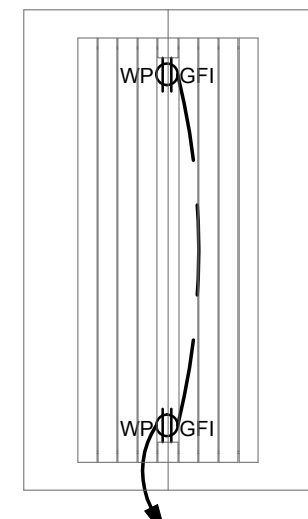
ELECTRICAL
SITE RENO. PLAN

Project No. 20_017 Date 1/18/24

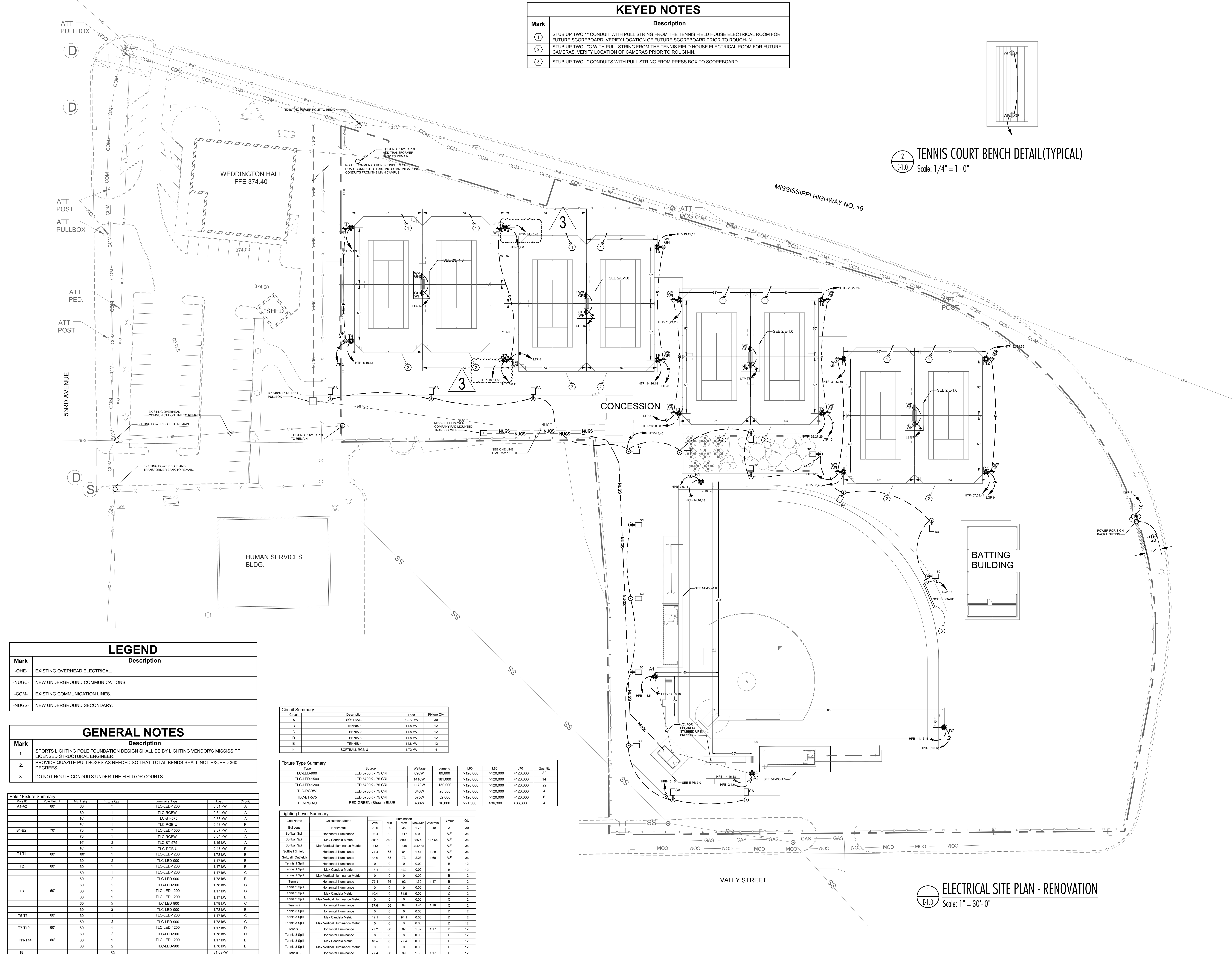
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KEYED NOTES

Mark	Description
1	STUB UP TWO 1" CONDUIT WITH PULL STRING FROM THE TENNIS FIELD HOUSE ELECTRICAL ROOM FOR FUTURE SCOREBOARD. VERIFY LOCATION OF FUTURE SCOREBOARD PRIOR TO ROUGH-IN.
2	STUB UP TWO 1" C WITH PULL STRING FROM THE TENNIS FIELD HOUSE ELECTRICAL ROOM FOR FUTURE CAMERAS. VERIFY LOCATION OF CAMERAS PRIOR TO ROUGH-IN.
3	STUB UP TWO 1" CONDUITS WITH PULL STRING FROM PRESS BOX TO SCOREBOARD.



2 TENNIS COURT BENCH DETAIL(TYPICAL)
Scale: 1/4" = 1'-0"



LEGEND

Mark	Description
-OHE-	EXISTING OVERHEAD ELECTRICAL.
-NUGS-	NEW UNDERGROUND COMMUNICATIONS.
-COM-	EXISTING COMMUNICATION LINES.
-NUGS-	NEW UNDERGROUND SECONDARY.

GENERAL NOTES

Mark	Description
1.	SPORTS LIGHTING POLE FOUNDATION DESIGN SHALL BE BY LIGHTING VENDOR'S MISSISSIPPI LICENSED STRUCTURAL ENGINEER.
2.	PROVIDE QUAZITE PULLBOXES AS NEEDED SO THAT TOTAL BENDS SHALL NOT EXCEED 360 DEGREES.
3.	DO NOT ROUTE CONDUITS UNDER THE FIELD OR COURTS.

Pole / Fixture Summary	Pole ID	Pole Height	Qty	Fixture Qty	Luminaire Type	Load	Circuit
A1-A2	60'	3	1	1	TLC-RGBW	0.51 kW	A
	60'	1	1	1	TLC-RGBW	0.64 kW	A
	60'	1	1	1	TLC-BT-575	0.58 kW	A
	60'	1	1	1	TLC-RGB-U	0.43 kW	F
B1-B2	70'	7	1	1	TLC-RGBW	0.64 kW	A
	70'	1	1	1	TLC-RGBW	0.64 kW	A
	60'	2	1	1	TLC-BT-575	1.15 kW	A
	60'	1	1	1	TLC-RGB-U	0.43 kW	F
T1-T4	60'	2	1	1	TLC-LED-1200	1.78 kW	B
	60'	2	1	1	TLC-LED-900	1.17 kW	B
	60'	1	1	1	TLC-LED-1200	1.17 kW	B
	60'	2	1	1	TLC-LED-900	1.17 kW	B
	60'	2	1	1	TLC-LED-1200	1.78 kW	C
	60'	1	1	1	TLC-LED-900	1.17 kW	C
	60'	2	1	1	TLC-LED-1200	1.17 kW	B
	60'	2	1	1	TLC-LED-900	1.78 kW	C
	60'	1	1	1	TLC-LED-1200	1.17 kW	C
	60'	2	1	1	TLC-LED-900	1.78 kW	C
T5-T8	60'	1	1	1	TLC-LED-1200	1.17 kW	C
	60'	2	1	1	TLC-LED-900	1.78 kW	C
	60'	2	1	1	TLC-LED-1200	1.17 kW	D
	60'	2	1	1	TLC-LED-900	1.78 kW	D
T7-T10	60'	2	1	1	TLC-LED-1200	1.17 kW	D
	60'	2	1	1	TLC-LED-900	1.78 kW	D
T11-T14	60'	1	1	1	TLC-LED-1200	1.17 kW	E
	60'	2	1	1	TLC-LED-900	1.78 kW	E
T18	60'	2	1	1	TLC-LED-900	0.616 kW	E

Circuit Summary	Circuit	Description	Load	Fixture Qty
A	SOFTBALL	52.77 kW	30	
B	TENNIS 1	11.8 kW	12	
C	TENNIS 2	11.8 kW	12	
D	TENNIS 3	11.8 kW	12	
E	TENNIS 4	11.8 kW	12	
F	SOFTBALL RGB-U	1.72 kW	4	

Fixture Type Summary	Source	Wattage	Lumens	L80	L90	L95	Quantity
TLC-LED-900	LED 5700K - 75 CRI	890W	89,600	>120,000	>120,000	>120,000	32
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	>120,000	>120,000	>120,000	14
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	>120,000	>120,000	>120,000	22
TLC-RGBW	LED 5700K - 75 CRI	640W	28,500	>120,000	>120,000	>120,000	4
TLC-BT-575	LED 5700K - 75 CRI	570W	52,000	>120,000	>120,000	>120,000	6
TLC-RGB-U	RED-GREEN (Shown)-BLUE	430W	16,000	>21,300	>36,300	>36,300	4

Lighting Level Summary	Grid Name	Calculation Metric	Avg	Min	Max	Max/Min	Avail/Min	Circuit	Qty
Bulbless	Horizontal		0.04	0	0.17	0.00	1.46	A	30
Softball Spill	Horizontal Illuminance		0.04	0	0.17	0.00	1.46	A	34
Softball Spill	Max Candela Metric		2916	24.8	8809	355.42	117.64	A	34
Softball Spill	Max Vertical Illuminance Metric		0.15	0	0.49	0.00	3.42	A	34
Softball (Infield)	Horizontal Illuminance		74.4	56	84	1.44	1.28	A	34
Softball (Outfield)	Horizontal Illuminance		55.9	33	73	2.23	1.69	A	34
Tennis 1 Spill	Horizontal Illuminance		0	0	0.00	0.00	0	B	12
Tennis 1 Spill	Max Candela Metric		13.1	0	132	0.00	0	B	12
Tennis 1 Spill	Max Vertical Illuminance Metric		0	0	0.00	0.00	0	B	12
Tennis 1 Spill	Horizontal Illuminance		77.1	66	92	1.39	1.17	B	12
Tennis 2 Spill	Horizontal Illuminance		0	0	0.00	0.00	0	C	12
Tennis 2 Spill	Max Candela Metric		10.4	0	84.5	0.00	0	C	12
Tennis 2 Spill	Max Vertical Illuminance Metric		0	0	0.00	0.00	0	C	12
Tennis 2 Spill	Horizontal Illuminance		77.6	66	94	1.41	1.18	C	12
Tennis 3 Spill	Horizontal Illuminance		0	0	0.00	0.00	0	D	12
Tennis 3 Spill	Max Candela Metric		12.1	0	94.1	0.00	0	D	12
Tennis 3 Spill	Max Vertical Illuminance Metric		0	0	0.00	0.00	0	D	12
Tennis 3 Spill	Horizontal Illuminance		77.2	66	87	1.32	1.17	D	12
Tennis 3 Spill	Horizontal Illuminance		0	0	0.00	0.00	0	E	12
Tennis 3 Spill	Max Candela Metric		10.4	0	77.4	0.00	0	E	12
Tennis 3 Spill	Max Vertical Illuminance Metric		0	0	0.00	0.00	0	E	12
Tennis 3 Spill	Horizontal Illuminance		77.4	66	89	1.35	1.17	E	12