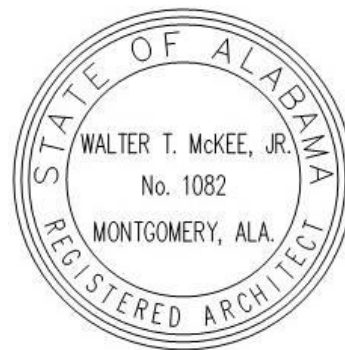


**Addendum No. 1**  
**Date: November 27, 2023**



Project:

**Additions To Robertsdale High School  
For The Baldwin County Board of Education  
Robertsdale, Alabama**

**MCKEE PROJECT NO. 23-195**  
**ALABAMA DIVISION OF CONSTRUCTION MANAGEMENT NO. 2023533**

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 their Proposal Form.

**A1.1 GENERAL MODIFICATIONS:**

1. Refer to attached **Advertisement for Bid (Original, No Revisions)**, herein.
2. Refer to **Table of Contents Volumes 1 and 2 (Revised 11.01.23)**, herein.
3. Refer to **Supplemental Accounting Requirements Baldwin County (Revised 11.27.23)**, herein.

**A1.2 SPECIFICATION MODIFICATIONS:**

- A. Refer to **Section 01011 Contingency Allowance (Revised 11.27.23)**, herein.
- B. Refer to attached **Section 02200A Geo Tech Report**, herein.
- C. Refer to **Section 07260 Under Slab Vapor Barrier**, herein.
- D. Refer to **Section 09624 Synthetic Sports Floor System**, herein.
- E. Refer to **Section 10500 Lockers (11.27.23)**, herein.
- F. Refer to **Section 10501 Lockers** and **DELETE** in its entirety.
- G. Refer to attached **Section 11200 Batting Cages**, herein.

**A1.3 DRAWING MODIFICATIONS:**

- A. See the attached Revised Drawings as follows:
  1. Sheet(s) **G1.1, A1.1, A1.10, A3.1, A4.1, A5.1, A5.2, A8.1 (Revised 11.17.23)**, herein.
  2. Sheet(s) **S1.1, S1.2 (Revised 11.17.23)** herein.

**A1.4 CLARIFICATIONS & RESPONSES:**

- A. Uniti Fiber is the Internet provider for the school.
- B. See the attached email to Victor Hunt, dated November 15, 2023, for the applicable water and sewer tap fees.

**END OF ADDENDUM**

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# Additions to Robertsdale High School for the Baldwin County Board of Education Bay Minette, Alabama

**MCKEE PROJECT NO. 23.195**

### **BIDDING REQUIREMENTS**

- Advertisement For Bids
- Request For Information (McKee Form)
- Prior Approval/Substitution Request Form (McKee Form)
- Proposal Form (DCM Form C-3, August 2021)
- Accounting of Sales Tax (DCM Form C-3A, August 2021), Attachment to DCM Form C-3
- Form Of Bid Bond (DCM Form C-4, August 2021)
- Instructions To Bidders (DCM Form C-2, August 2021)
- Special Instructions To Bidders (McKee Form July 2020)

### **CONTRACT FORMS**

- Construction Contract (DCM Form C-5, August 2021)
- State of Alabama Department of Finance, Construction Management Division - Administrative Code 355-16-1 Collection of User Fees
- State of Alabama Department of Finance, Real Property Management, Division of Construction Management Permit Fee & Permit Re-Inspection Fee Calculation Worksheet (Revised August 2021)
- State Of Alabama Department of Revenue "Notice" regarding Tax Guidance for Contractors, Subcontractors and Alabama Governmental Entities Regarding Construction related contracts including Application for Sales and Use Tax Certificate of Exemption Form (Form ST:EXC-01 dated 8/18).
- State of Alabama Disclosure Statement Form, Required by Article 3B of Title 41, Code of Alabama 1975 (Revised 09/2013) with Information and Instructions regarding Relationships Between Contractor/Grantees and Public Officials/Employees.
- State of Alabama E-Verify Memorandum of Understanding Instructions (Revised August 2021) *with* ABC Bulletin (May 29, 2012) *and* Revised Alabama Immigration Law Guidance for School Boards (Revised May 2012).
- Act 2009-657 Requiring Certification Of Fire Alarm Contractors (ABC Memorandum January 19, 2021)
- State Of Alabama Department Of Insurance – Application For State Fire Marshal's Certified Fire Alarm Contractor Permit
- Performance Bond (DCM Form C-6, August 2021)
- Payment Bond (ABC Form C-7, August 2021)

## **GENERAL CONDITIONS**

- General Conditions of the Contract (DCM Form C-8, Revised October 2022)
- Instructions for Contractor's Insurance Company (Article 37 of DCM Form C-8, Revised October 2022)
- Supplement to General Conditions of the Contract (McKee Form August 2020)
- Supplemental Accounting Requirement
- Application and Certificate for Payment (DCM Form C-10, Revised July 2022)
- Schedule Of Values, (DCM Form C-10SOV, Revised October 2021) Attachment to DCM Form C-10
- Inventory Of Stored Materials, (DCM Form C-10SM, Revised October 2021) Attachment to DCM Form C-10
- Pre-Construction Conference Checklist (DCM Form B-8, Revised November 2022)
- Progress Schedule and Report (DCM Form C-11, August 2021)
- Project Data Form (DCM Form B-9, August 2021)
- Statement Of Field Observations (DCM Form B-10, August 2021)
- Change Order Checklist, (DCM Form B-12, August 2021) For Use With DCM Form C-12
- Contract Change Order (DCM Form C-12 (fully locally-funded K-12 Schools), August 2021)
- Change Order Justification (DCM Form B-11, August 2021) Attachment to DCM Form C-12
- Final Payment Checklist (DCM Form B-13, Revised October 2022)
- Certificate of Substantial Completion (DCM Form C-13, Revised November 2022)
- Form of Advertisement for Completion (DCM Form C-14, August 2021)
- Contractor's Affidavit of Payment of Debts and Claims (DCM Form C-18, August 2021)
- Contractor's Affidavit of Release of Liens (DCM Form C-19, August 2021)
- Consent of Surety to Final Payment (DCM Form C-20, August 2021)
- Detail Of Project Sign (DCM Form C-15, Revised December 2021)
- Detail Of Plaque (ABC Form C-16, August 2001)
- General Contractor's Roofing Guarantee (DCM Form C-9, August 2021)
- Certificate of Asbestos Free Building Materials (McKee Form)

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| 01290              | Payment Procedures                  |
| 01320              | Construction Progress Documentation |
| 01322              | Photographic Documentation          |
| 01330              | Submittal Requirements              |

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| 01700 | Execution Requirements            |
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| 01820 | Demonstration and Training        |

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| 02720 | Storm Sewers                             |
| 02730 | Sanitary Sewers                          |
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|       |                                   |
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## ADVERTISEMENT FOR BIDS

### ADDITIONS TO ROBERTSDALE HIGH SCHOOL ROBERTSDALE, ALABAMA FOR THE BALDWIN COUNTY BOARD OF EDUCATION

#### MCKEE PROJECT NO. 23-195

**Requirements for Pre-qualification:** All potential bidders shall contact the Architect at [mckeeplans@gmail.com](mailto:mckeeplans@gmail.com) to receive the criteria to be used for the pre-qualification of this project (AIA Document A305 and Questionnaire).

**Pre-qualification proposals** will be received at the office of McKee and Associates Architects, 631 South Hull Street, Montgomery, AL 36104 until **2:00 P.M. Central Time, Tuesday, November 28, 2023.** Forms should be emailed to [mckeeplans@gmail.com](mailto:mckeeplans@gmail.com).

**A Non-Mandatory Pre-Bid walk through** shall occur at **10:30 AM, Central Time, on Thursday, November 30, 2023,** at the school (21630 Highway 59, Robertsdale, Alabama).

Sealed proposals for this project shall be received by Mrs. Marlana Hanner, Purchasing Supervisor, Baldwin County Board of Education, 23651 Flowers Road, Robertsdale, AL 26567 | 251-947-8403, **until 2:00 PM Central Time, Wednesday, December 13, 2023,** then opened and read aloud.

All General Contractors bidding on this project shall be required to visit the site and examine all existing conditions prior to submitting their proposal. All Bidders shall have general liability and workman's compensation insurance.

The project shall be bid excluding taxes. Bids must be submitted on proposal forms furnished by the Architect or copies thereof. No bid may be withdrawn after scheduled closing for receipt of bids for a period of ninety (90) days. The Owner reserves the right to reject any or all proposals and to waive technical errors if, in the Owners judgment, the best interests of the Owner will thereby be promoted.

A certified check or Bid Bond payable to **Baldwin County Board of Education** in an amount not less than five percent (5%) of the amount of the bid, but in no event more than \$10,000.00 must accompany the bidder's sealed proposal. Performance and statutory labor and material payment bonds will be required at the signing of the Contract.

All bidders bidding in amounts exceeding that established by the State Licensing Board for General Contractors must be licensed under the provisions of Title 34, Chapter 8, Code of Alabama, 1975, and must show evidence of license before bidding or bid will not be received or considered by the Architect. All bidders shall show such evidence by clearly displaying their current license number on the outside of their sealed envelope in which the proposal is delivered.

PDFs of the project can be reviewed by going to the McKee website at [www.mckeeassoc.com](http://www.mckeeassoc.com) and selecting "Project Bid List". Also, if you are not receiving NOTIFICATIONS from us, please register on our website, "Project Bid List" by selecting manage your bid list profile. The documents may be viewed on-line and printed by General Contractors, Sub-Contractors and Suppliers. Documents published through this procedure are the only documents endorsed by the Architect. The Architect is unable to monitor, confirm and maintain other websites that provide documents. Addendums will be provided to entities that have **CONFIRMED** bidding for this particular project. The Architect retains ownership and copyrights of the documents. If bidders require printed sets, please submit request to the Architect at [mckeeplans@gmail.com](mailto:mckeeplans@gmail.com). Include your first & last name, comp

any name, address, phone number and the McKee project name and number. *Print sets are to be returned in re-usable condition within ten days after bid opening.*

All RFIs and RFAs regarding the bid documents shall be sent and addressed through emails found on the RFI and RFA forms in the project manual. **NOTE: ONLY THE RFI AND RFA FORMS IN THE PROJECT MANUAL WILL BE ACCEPTED.** The Architect will not accept inquiries via telephone or fax.

Completion Time: See scope of work in Project Manual.

Supervision: Contractor to ensure proper supervision of all work.

**Owner:** Mr. Carl E. Tyler, Superintendent, Baldwin County Board of Education; 2600-A North Hand Avenue, Bay Minette, Alabama 36507, Phone: (251) 937-0306

**Architect:** McKee and Associates Architects, Inc., 631 South Hull Street, Montgomery, Alabama 36104, Phone: 334.834.9933

Supplemental Accounting Requirement – Cost Codes for Additions to Robertsdale High School – Baldwin County

Prior to starting construction, the contractor shall provide the following breakdown of the various areas and value of the construction in each of the total project cost. Pay application number 1 can not be paid until this information is received.

|                             |       |
|-----------------------------|-------|
| RBDH-Gymnasium              | _____ |
| RBDH-Multi-purpose Athletic | _____ |
| RBDH-Weight Equipment       | _____ |
| RBDH-Band Room              | _____ |
| RBDH-Paving                 | _____ |

## SECTION 01011 - CONTINGENCY ALLOWANCE

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS AND GENERAL INFORMATION

- A. Drawings and general provisions of the Contract including General and Supplementary Conditions and other Division 1 specification sections apply to the work of this section.

### PART 2 - CONTINGENCY ALLOWANCES

#### 2.1 BASE BID PROPOSAL

- A. The General Contractor shall include the following sums:
1. **One Hundred Fifty Thousand Dollars (\$150,000.00)** as a contingency to cover unforeseen conditions or minor changes that are necessary to correct or supplement the work as detailed in the Contract Documents.
  2. **Twenty-Five Thousand Dollars (\$25,000.00)** as a contingency to cover **Custom Logo and/or Signage** as directed by the Owner.
  3. **Three Hundred Thousand Dollars (\$300,000)** as a contingency to cover Furnishings (other than those specified in Division 12), Appliances, Weight Room Equipment, Weight Room Flooring, and Indoor Turf.
  4. **Thirty Thousand Dollars (\$30,000.00)** as a contingency to cover **Electrical Aid-to-Construction**. *(Also indicated as Keynote 4 on Sheet E4.1).*
  5. **Four Thousand Five Hundred Dollars (\$4,500.00)** as a contingency to cover **ERCC testing** as stated on the Electrical Drawings. *(Also indicated as Keynote 24 on Sheet E3.1).*
  6. **One-Hundred Fifty Thousand Dollars (\$150,000.00)** as a contingency to cover the design and Installation of a complete **Emergency Communication Enhancement** System as stated on the Electrical Drawings. *(Also indicated as Keynote 25 on Sheet E3.1).*
  7. **One Hundred Thousand Dollars (\$100,000)** as a contingency for the furnishing and installation of the Synthetic Sports Flooring in the Gymnasium.

### PART 3 – AUTHORIZATION OF CONTINGENCY ALLOWANCES

- 3.1 After unknown conditions are identified and examined and the scope of work and method of repair determined, or request for a proposal to cover additional work has been issued by the Owner, the Contractor shall submit a proposal for such work to the Architect for the Owner's approval. If the Owner approves of such proposal, he will issue written authorization to the Contractor to perform the work and charge the related costs to the Contingency Allowance. At the Owner's option, work performed under this provision may be ordered done on a time and material basis, in which case; the Contractor shall keep accurate records of all time and materials used and submit such records to the Architect for his approval at the end of each day's work.
- 3.2 An accounting of the costs charged against this Contingency Allowance shall be mutually maintained by the Contractor, Architect, and Owner throughout the course of the project. Any of this Contingency Allowance not spent shall be credited to the Owner by Change Order at close out of the project. Refer to Contingency Allowance Form attached to this Section.
- 3.3 Provide for payment.
- A. The Contractor shall include a line item in the *Schedule of Values* entitled "Contingency Allowance". The estimated value of work completed pursuant to fully executed Contingency Allowance Authorizations may be included in the Contractor's monthly Applications for Payment. Payments under this Contingency Allowance shall not exceed the net, total of fully executed Contingency Allowance Authorizations:

CONTINGENCY ALLOWANCE  
01011-1  
Revised 11.27.23

Additions to Robertsdale  
High School for the  
Baldwin County Board of Education  
Bay Minette, Alabama

### 3.4 CONTINGENCY ALLOWANCE AUTHORIZATION FORM

Form to be filled in its entirety.

To: McKee & Associates, Architects From: \_\_\_\_\_  
Project: \_\_\_\_\_ Company \_\_\_\_\_  
\_\_\_\_\_ Address \_\_\_\_\_  
\_\_\_\_\_ Contact and Email \_\_\_\_\_  
Project Number \_\_\_\_\_ Date: \_\_\_\_\_  
Building Commission Number: \_\_\_\_\_ Authorization Number: \_\_\_\_\_

In accordance with Specification Section 01011 – CONTINGENCY ALLOWANCE, the Contractor [ ] is hereby authorized to proceed with the changes in Work as are described below and is to be paid for the performance of these changes as provided in Specification Section 01011. This Authorization shall become effective when it is signed by the Contractor and the Owner's representative and it is understood and agreed that the amount(s) stipulated below constitute full compensation for these changes in Work.

TOTAL AMOUNT OF THIS AUTHORIZATION \$

ORIGINAL AMOUNT OF THE CONTINGENCY ALLOWANCE \$

NET TOTAL OF PREVIOUS AUTHORIZATIONS \$

PREVIOUS REMAINING CONTINGENCY ALLOWANCE \$

TOTAL AMOUNT OF THIS AUTHORIZATION \$

CONTINGENCY ALLOWANCE REMAINING  
AFTER THIS CONTINGENCY \$

Recommended By: \_\_\_\_\_ Authorized By: \_\_\_\_\_ Accepted By: \_\_\_\_\_

Architect \_\_\_\_\_ Owner \_\_\_\_\_ Contractor \_\_\_\_\_

END OF SECTION

Additions to Robertsedale  
High School for the  
Baldwin County Board of Education  
Bay Minette, Alabama

MCKEE PROJECT NO. 23.195

CONTINGENCY ALLOWANCE  
01011-2  
Revised 11.27.23



~ Geotechnical Evaluations ~ Construction Materials Testing ~ Geosciences ~ Infrastructure Management Services ~

**SOILS EXPLORATIONS AND GEOTECHNICAL  
ENGINEERING STUDIES FOR PROPOSED  
ADDITION TO ROBERTSDALE HIGH SCHOOL  
ROBERTSDALE, ALABAMA**

**Professional Services Since 1974**

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# Geotechnical Engineering-Testing, Inc.

PROFESSIONAL ENGINEERS

Geotechnical Evaluations - Geosciences - Construction Materials - Pavement Management

August 21, 2023

Baldwin County Board of Education  
c/o McKee and Associates Architects, Inc.  
631 South Hull Street  
Montgomery, Alabama 36104

Attention: Seawell McKee

Via Email: [mckees@mckeeassoc.com](mailto:mckees@mckeeassoc.com)

Re: Proposed Additions at the Robertsdale High School in Robertsdale, Alabama  
(GET Project No. 23-181)

Mr. McKee:

Geotechnical Engineering-Testing, Inc. (GET) is pleased to submit this report of our soils explorations and geotechnical engineering evaluations for the proposed design and construction of the additions to Robertsdale High School in Robertsdale, Alabama. This report includes the results of the soils explorations program and our recommendations for site preparations, design and construction of building foundations for the currently planned structure, and the design and construction of parking and drive pavements.

The recommendations provided in the attached report are based in part on the project information provided to GET and only apply to the specific project and site discussed in the report.

Please call Curt Doyle, P.E. if you have any questions regarding this report.

Sincerely,

GEOTECHNICAL ENGINEERING-TESTING, INC.



Curt Doyle, P.E.  
Principal Engineer  
Alabama License No. 25733  
Date: 8/21/2023



cc: Frank Boatwright, Baldwin County Board of Education

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HIGHWAY LOCATION MAP

Figure 1

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## INTRODUCTION

Geotechnical Engineering-Testing, Inc. has completed the authorized soils explorations and geotechnical engineering studies for the proposed additions at Robertsdale High School in Robertsdale, Alabama. The soils explorations have included sixteen exploratory soil borings, visual descriptions of the soils encountered, and laboratory tests on selected soil samples. The engineering study has included the planning, coordination, and supervision of the soils explorations program, evaluations of the results of the soils explorations, development of recommendations for site preparation, for building foundation design and construction, for pavement design and construction, and the preparation of this report.

Our understanding of the project at hand was based on telephone and email correspondence with representatives of McKee and Associates, the project architects, and review of design drawings that they provided to us. The proposed addition includes an approximately 28,500 square ft building that includes a gym, indoor multipurpose athletic training room, and a band room. Additional parking areas on the west and south sides of the existing school may also be constructed as part of this project or will be constructed in a future project. Review of a Site Plan received on June 27, 2023, indicates that the overall dimensions of the structure will be approximately 232 ft in the north-south direction by 122 ft in the east-west direction. The finished floor elevation (FFE) is expected to be near the elevation of the existing building (approximately +142.5 ft).

Details of our findings and recommendations are presented in the following sections of this report.

## SITE DESCRIPTION

### Location

Robertsdale High School is located on the northeast corner of the intersection of Milwaukee Street (State Highway 59) and Fairground Road (Baldwin CR-50) in Robertsdale, Al. The planned building addition is located south of the existing school building within the area of the existing bus drop off and bus parking lot. The proposed new parking and drive areas is to be located in between

SR-59 and the existing school building and extends to the south of the new building and north of the existing building.

#### General Site Description

The proposed construction site of the building is south of the existing building in the bus drop off and parking lot. A small grassed area with several trees exists between the drop off zone and the bus parking zone. To the east is a covered path that leads into the school, and a parking lot. The proposed additional parking areas are located west (front side) of the school in the grassy lawns and have trees scattered throughout. Within the center of the front lawn there is an existing circular driveway/parking area.

#### Site Topography

The existing ground elevation of the site is relatively flat. Based upon the drawings provided, the ground elevation in the proposed building area is about elevation +140 ft to +141 ft. The ground elevation in the proposed parking area is generally about elevation +139 ft.

### **SOILS EXPLORATIONS PROGRAM**

The procedures for the field exploration and laboratory testing programs utilized on this project are summarized in the following sections of this report.

#### Boring Locations

Sixteen soil test borings were performed within or very near the footprint of the proposed building and parking areas. The boring locations were selected by our firm based on drawings that were provided to us. Approximate soil test boring locations are shown on the Boring Location Plan included in Appendix A of this report. The Boring Location Plan was developed from the Site Plan provided on June 27, 2023. The approximate parking area shown on the plan was added by Geotechnical Engineering-Testing, Inc. based upon the conceptual drawings provided by the architect on June 19, 2023. Soil borings have also been presented in a current aerial (Google Earth) image that is included in Appendix A.

#### Soils Explorations

The 8 deep soil test borings performed within the building limits extended to depths of 20 to 40 ft below existing ground surface. Soil borings were performed using a track-mounted Mobile B-37 drill rig. Borings were advanced using a rotary wash method utilizing a bentonite slurry to maintain the walls of the hole as it was advanced. Standard penetration tests were performed, and split spoon soil samples were collected continuously to a depth of 7.5 ft, at a 2.5 ft interval to 15 ft and at standard 5 ft intervals thereafter. Within strata of soft to medium consistency cohesive soils, undisturbed Shelby tube samples were collected, either in lieu of, or in addition to split spoon samples.

Within the planned access drives, eight shallow auger borings were performed. At each boring location, the borings were advanced with an approximate 3-inch diameter, bucket-type hand auger. Soil borings were advanced to a depth of about 5 ft below ground surface except where auger refusal was met. Soil samples were collected at each strata change as visually determined in the field.

Boring and sampling operations were conducted in general accordance with standard procedures. Logs of Boring have been developed for both the deep and shallow borings based upon the visual description of soils and laboratory tests. Depths where samples were collected and the results of the standard penetration tests are shown on the Logs of Boring included in Appendix B of this report.

At each shallow boring location, a dynamic cone penetrometer (DCP) tests was performed. The approximate 3 ft deep DCP tests were made using a Dual Mass Dynamic Cone Penetrometer developed by the Department of Army, Waterways Experiment Station (WES), Corps of Engineers. The test consists of driving a 0.79 inch diameter cone into the ground with a 17.6 lb sliding hammer from a height of 22.6 inches. The penetration of the cone is measured (at about 25 to 50 mm or 1 to 2 inches) and converted to penetration per blow, which is also the DCP index, mm/blow. The DCP index is in turn converted to a CBR value in accordance with WES correlation

studies. Results of the dynamic cone penetrometer tests (in-situ CBR values) at about 1-inch increments to a depth of about 3 ft at the locations as shown on graphs in Appendix C of this report.

#### Laboratory Testing

Selected samples were subjected to laboratory tests to aid the engineering evaluations. Tests included moisture content, Atterberg limits, percent finer than a number 200 sieve, and single point triaxial test confined near the overburden pressure. The tests were performed in general accordance with standard laboratory soil testing procedures. Test results are presented on the Logs of Boring opposite the samples tested and on the Summary of Laboratory Results and other test report forms in Appendix D of this report.

### **SUBSURFACE CONDITIONS**

Findings of the subsurface conditions encountered during the soils exploration program are summarized in the following sections.

#### Subsurface Soils

Within the proposed building area, the topsoil and asphalt were 3 inches and 4 inches thick, respectively. Generally, loose to firm clayey sand soils were encountered in the upper 5 to 10 ft across the site underlying the topsoil or asphalt. In borings B-1 and B-5, approximately 4 to 6 ft of silty sands were present at the surface. Approximately 10 ft of stiff sandy clay/firm clayey sands underlie the upper looser soils. Deeper boreholes indicate a firm sandy layer beneath the clayey strata, extending to the termination depth of the borings.

In addition to the above findings, the shallow hand auger investigations conducted within the proposed pavement areas indicated silty sands were encountered in all of the borings except HA-5 and HA-6. At these locations clayey sand/sandy clay soils were encountered. These DCP tests indicated that the soils within the existing drives to have a CBR in excess of 15 and for the borings within the lawn areas to have a poor to fair CBR ranging from 3-8.

Groundwater was not measured due to boreholes being immediately backfilled upon completion for safety purposes. However, in a previous soils investigation performed by GET at the school, the groundwater table was found to be about 20 ft below the ground surface. However, it should be noted that groundwater will temporarily perch above the clayey soils following rain events.

## **GEOTECHNICAL RECOMMENDATIONS**

The recommendations provided below are based upon our understanding of the project as described in the **INTRODUCTION**, the subsurface data collected, our engineering evaluations regarding the geotechnical matters, and our past experience on projects in proximity to this site and the typical climate conditions of the area. If our understanding of the project is incorrect, we should be provided accurate information and should be provided the opportunity to review our recommendations taking into consideration the new project information.

### General Geotechnical Site Preparation

Below are general guidelines and recommendations for site preparation. The means and methods of construction will be the responsibility of the contractor.

- Clear the proposed building/pavement construction areas; these operations are anticipated to remove all deleterious items that cover the site such as topsoil, organics, debris, asphalt, concrete, rubble, etc.
- We anticipate only minor cutting to be required in the building and pavement areas. The upper 8 inches of the subgrade soils should be compacted to at least 98 % standard Proctor density (SPD) (ASTM D 698) in the building area and 95 % SPD in the parking areas or to the satisfaction of the geotechnical engineer of record.
- Imported backfill and fill soils should consist of select granular soils that are free of organics or deleterious materials, contain no more than about 25 % passing a #200 sieve, and that have a plasticity index of no more than 6. These materials should be placed in loose lifts no thicker than 8 inches and compacted.
- Fill soils placed below the top of foundation elevations, should be compacted to at least a minimum 100 % SPD.

- Fill soils placed above the top of foundation elevations should be compacted to 98 % SPD.
- The in-situ soils within the upper 2-4 ft across the site are generally suitable for backfill/fill materials. However, it should be noted that some of these materials are moisture sensitive, particularly the clayey sand soils, and reuse of these materials may cause site work time delays.
- Representative samples of the backfill/fill soils and/or in-situ subgrade soils should be collected for classification and laboratory Proctor density testing. The maximum dry density, optimum moisture content, gradation, and plasticity should be determined. These tests are needed for quality control of the compacted fill. During the site preparation phase, a representative of the geotechnical engineer should perform field density tests at a rate of one test for each 2500 square feet of area per lift of backfill/fill soils.

#### General Foundation Preparation Recommendations

Isolated column and wall footings, with a concrete slab-on-grade floor system are anticipated for this project. Below are our general guidelines and recommendations for foundation soil preparation. The means and methods of construction will be the responsibility of the contractor.

- If unusual or questionable soil bearing conditions are encountered while performing foundation excavations, the geotechnical engineer of record should be contacted for appropriate recommendations.
- After excavation, the top 12 inches of foundation bottoms shall be compacted to 100% SPD or the satisfaction of the geotechnical engineer of record.
- Excessive compaction of clayey soils may cause pumping and degradation of soils. Depending on soil and weather conditions, overexcavation may be required. If this is required, we recommend that the foundations be thickened (after concurrence with the structural engineer of record) or a lean concrete mud seal be placed.
- Field density tests should be performed every 50 feet along the bottom of wall footings and at the bottom of each column footing and for each lift of backfill soils placed.
- Foundation excavation bottoms should be level or suitably benched, and free of any loose soils that have been disturbed by seepage or the construction process. Loosened bearing

soils should be recompactd or overexcavated and backfilled with lean concrete prior to placement of reinforcing steel. The foundation excavation bottoms should be stable under the weight of construction equipment and personnel.

- Shallow foundation construction should occur in the dry. Foundation excavations should be cut to final grade and footings constructed as soon as possible to minimize potential damage to bearing soils as result of exposure to the environment.
- Shallow foundations may be cast directly against the exposed, vertical, and horizontal, excavation faces.
- Excavations within compacted granular soils should be expected to remain vertical and stable while open only for short periods of time. Excavation collapse due to rainfall or other on-site activities should be repaired to design bearing levels prior to reinforcing steel placement.

Involvement of GET geotechnical engineers and technician personnel during site work and building foundation construction activities will help to verify that procedures and results are as recommended and as anticipated. Inadequate construction procedures or test results identified during this process should be addressed by the geotechnical engineer of record, otherwise the foundation recommendations provided below may not be applicable.

#### Building Foundations

Properly designed shallow foundations should be suitable for supporting the proposed structure. For this project, we recommend that foundations be designed to bear at least 2 ft below the lowest adjacent final grade. We further recommend that load-bearing wall foundations have a minimum width of 2 ft and column foundations have a minimum width of 3 ft.

If these site preparation and foundation design recommendations are followed, continuous (strip) foundations may be designed based on an allowable bearing pressure of 1750 psf and a square foundations may be designed based upon an allowable bearing pressure of 2100 psf. If higher allowable bearing pressures are needed, please contact us for further evaluations and consultation.

### Floor Slab

After the subgrade soils and back/fill soils are compacted and placed as noted above in the General Geotechnical Site Preparation section, we recommend that at least 6 inches of free-draining granular soils or gravel be placed as a capillary moisture break immediately beneath the concrete floor slab in the support building. Free-draining soils should consist of non-plastic sand or gravel. The aggregate should be graded between 1/2 inch and No. 200 sieve, with no more than 85% passing the #4 sieve and no more than 5% material passing the No. 200 sieve. These materials should be compacted until firm. We also recommend a vapor barrier be placed between the free-draining granular soils and the concrete floor slab.

### Long-Term Site Settlement

Based on our evaluation of subsurface conditions and the construction plans provided to date, long-term (post-construction) settlement within the proposed building area should be negligible.

### Asphalt Pavement Recommendations

After the subgrade/subbase soils have been prepared as described above, we recommend that pavements be designed based on either a light- or heavy-duty section based on expected usage. A heavy-duty section is recommended where bus traffic is expected.

We recommend the following pavement sections:

#### Light-duty

- 2-inch thick asphalt wearing surface
- 6-inch crushed aggregate base (ALDOT 825 B)

#### Heavy-duty

- 2-inch thick asphalt wearing surface
- 2-inch thick binder layer
- 6-inch crushed aggregate base (ALDOT 825 B)

---

Pavement material properties should meet and construction practices should be in accord with the most current ALDOT Standard Specifications. Minimum compaction requirements outlined in this report supersede the minimum requirements in the ALDOT specifications.

#### Required Special Inspections

We recommend that the Geotechnical Engineer of Record be allowed to review the project plans and specifications after further plan development to establish the required Special Inspections and inspection frequency that will be required as related to the soils and foundations.

### **ENGINEERING SERVICES DURING CONSTRUCTION**

The engineering recommendations provided in this report are based on the information obtained from the soils explorations and laboratory testing program. Regardless of the thoroughness of geotechnical explorations, there is a possibility that conditions at locations remote from borings will be different from those at specific boring locations and that conditions will not be as anticipated by the designers or constructors. In addition, the construction process may itself alter soil conditions. Therefore, we recommend that a representative of the geotechnical engineer of record observe and document soil conditions encountered and the construction procedures used during the site preparation and foundation construction phases of the project. Unanticipated conditions and/or inadequate procedures should be reported to the design team along with timely recommendations to remediate such conditions or procedures. This representative could also perform the construction materials testing and Special Inspection services that are typically required.

### **LIMITATIONS**

The evaluations and recommendations presented by this report are based on the data obtained from the soil borings drilled at the approximate locations shown on the Site Plan and the laboratory testing program performed. Additional assumptions may have been outlined in the discussions contained in previous sections of this report.

We prepared this report to aid in the evaluation of this site and to assist in the design of the project. The recommendations provided are based in part on the project information provided to GET and only apply to the specific project and site discussed in this report. If the project description or stated assumptions are incorrect or if additional information is available, correct or additional information should be conveyed to GET for review. Recommendations can then be modified if warranted.

Our professional services for this project have been performed, findings obtained, and recommendations prepared in accordance with generally accepted engineering principles and practices. The services identified herein were completed in a manner consistent with the level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions as this project. No other representation, expressed or implied, is included or intended, and no warranty or guarantee is included or intended in this report or any other instrument of service.

## FIGURES



Source – General Highway Map Baldwin County, Alabama, Alabama Dept. of Transportation, 2010

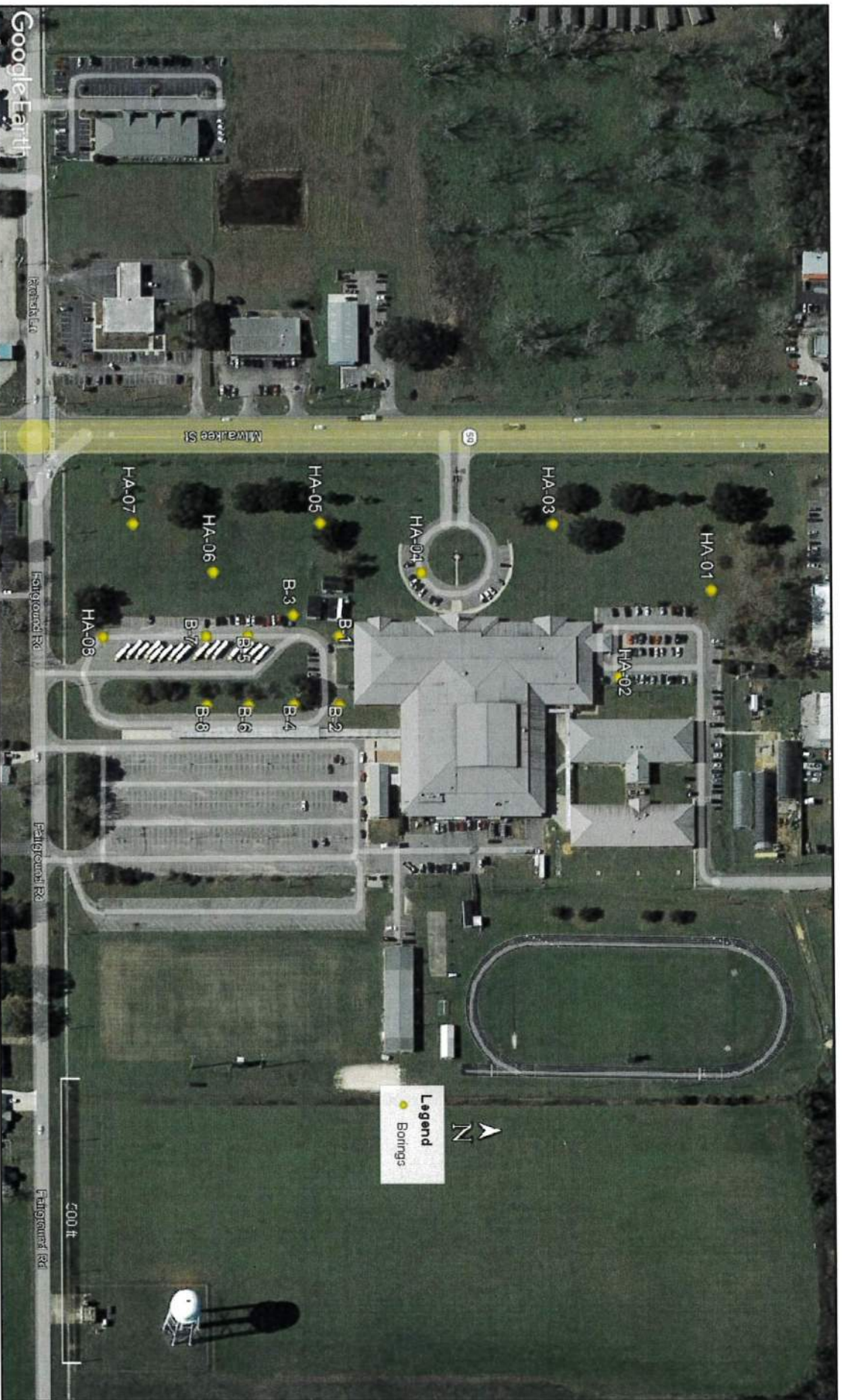


# Robertsdale High School Additions

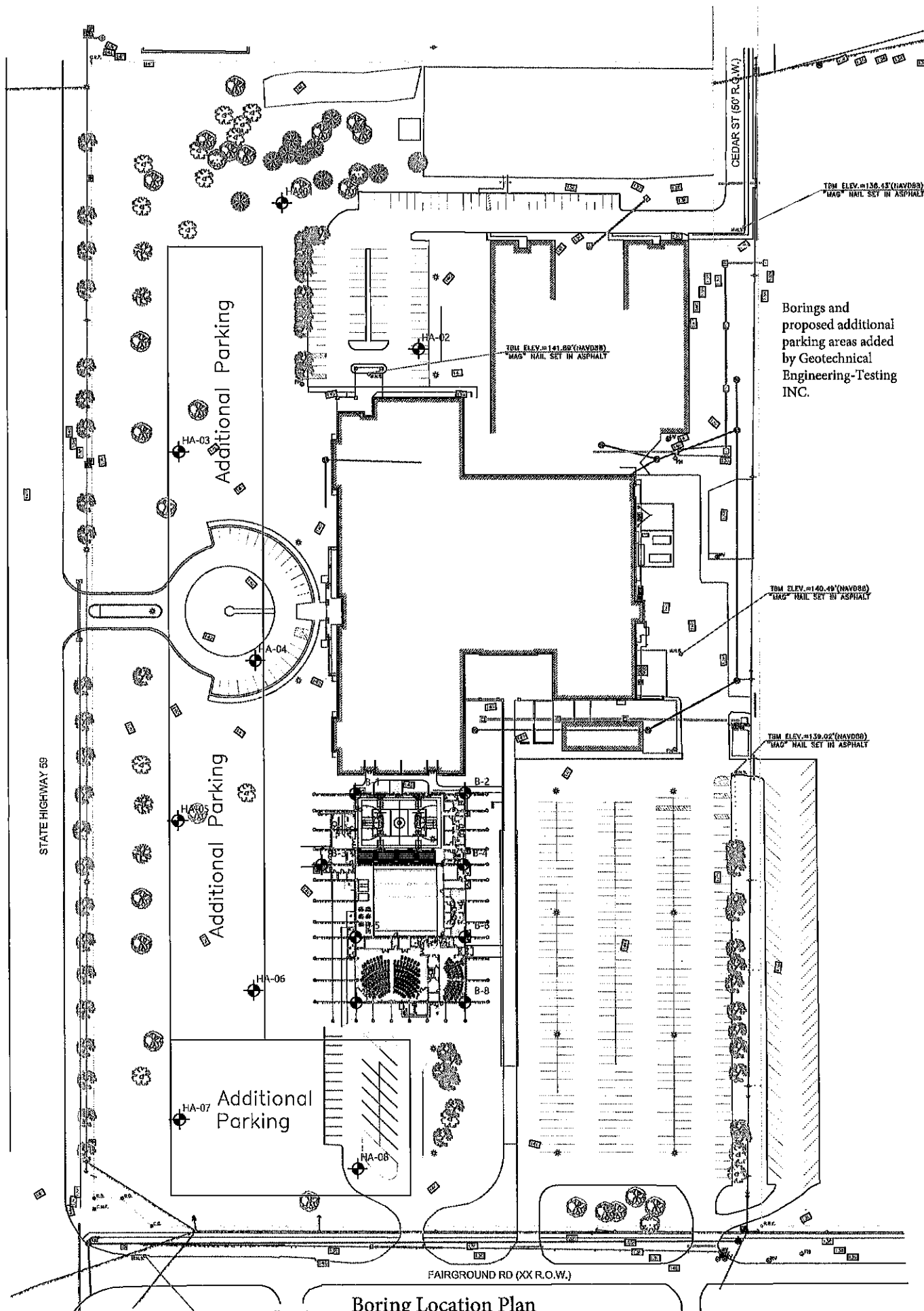
## Robertsdale, AI

### Figure 1

**APPENDIX A**  
**BORING LOCATION PLAN**



Source – Google Earth, 2023



Borings and  
proposed additional  
parking areas added  
by Geotechnical  
Engineering-Testing  
INC.

Boring Location Plan

**APPENDIX B**  
**BORING LOGS**

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

REMARKS:

DATE DRILLED: 7/24/23

BORING DEPTH: 30 FT.

BORING ELEV.: 141.2 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES,BT,RS,  
RS(LOGGER)



BORING NUMBER: B-1

BORING LOCATION:

N: 196367.4 E: 1903262.6

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION  | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|-----|--|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |     |  |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 0                   |     |  | 1             | 24             |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Firm brownish red and yellowish red<br>silty sand        | 2             | 21             |                |           |                     |      |                           |                    |                          |                  |
|                     |     |  | 3             | 22             |                | 17        | NP                  | NP   |                           | 13.9               |                          | SM               |
| 5                   |     |  | 4             | 31             |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Firm red silty sand with clay balls                      | 5             | 24             |                |           |                     |      |                           |                    |                          |                  |
|                     |     |  | 6             | 23             |                |           |                     |      |                           |                    |                          |                  |
| 10                  |     |  | 7             | 18             |                |           |                     |      |                           |                    | c*=0.30                  |                  |
|                     |     | Firm yellowish red and brown clayey<br>sand              | 8             | 19             |                | 25        | 49                  | 30   |                           | 47.7               | c*=1.25                  | SC               |
| 15                  |     |  | 9             | 21             |                |           |                     |      |                           |                    |                          |                  |
| 20                  |     |  | 10            | 18             |                |           |                     |      |                           |                    |                          |                  |
| 25                  |     | Firm light brown, light red, and<br>brown sand with silt | 11            | 20             |                |           |                     |      |                           |                    |                          |                  |
| 30                  |     | B.T. @ 30 FT   |               |                |                |           |                     |      |                           |                    |                          |                  |
| 35                  |     |  |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

REMARKS:

DATE DRILLED: 7/19/23

BORING DEPTH: 20 FT.

BORING ELEV.: 141.9 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES,BT,RS,  
CS(LOGGER)



BORING NUMBER: B-2

BORING LOCATION:

N: 196367.2 E: 1903383.3

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION                                  | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|-----|--|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |     |  |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 0                   |     | Firm dark brown silty sand                   | 1             | 11             |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Firm dark brown clayey sand                  | 2             | 12             |                | 11        |                     |      |                           | 39.8               |                          |                  |
|                     |     |  | 3             | 14             |                |           |                     |      |                           |                    | c*=2.00                  |                  |
| 5                   |     |  | 4             | 14             |                | 16        | 34                  | 21   |                           | 54.0               |                          | CL               |
|                     |     |  | 5             | 6              |                |           |                     |      |                           |                    | c*=1.88                  |                  |
|                     |     | Stiff and medium yellowish red<br>sandy clay | 6             | 10             |                | 17        |                     |      |                           |                    | c*=1.50                  |                  |
| 10                  |     |  | T-1           |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |  | 8             | 17             |                | 20        |                     |      |                           |                    |                          |                  |
| 15                  |     | Firm brownish yellow clayey sand             |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |  | 9             | 20             |                |           |                     |      |                           |                    |                          |                  |
| 20                  |     | B.T. @ 20 FT                                 |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 25                  |     |  |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 30                  |     |  |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 35                  |     |  |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

REMARKS:

DATE DRILLED: 7/24/23

BORING DEPTH: 20 FT.

BORING ELEV.: 140.2 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES,BT,RS,  
RS(LOGGER)



BORING NUMBER: B-3

BORING LOCATION:

N: 196296 E: 1903221.5

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION                             | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|-----|---|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |     |   |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 0                   |     | 2" Topsoil                              | 1             | 8              |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Loose brown silty sand                  | 2             | 9              |                | 14        | 22                  | 13   |                           | 45.5               |                          | SC               |
|                     |     | Loose brown clayey sand                 | 3             | 6              |                | 16        | 27                  | 17   |                           | 47.7               |                          | SC               |
| 5                   |     |   | T-1           | 4              | 8              |           |                     |      |                           |                    |                          |                  |
|                     |     |   | 5             | 9              |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Loose red clayey sand                   | 6             | 6              |                |           |                     |      |                           |                    |                          |                  |
| 10                  |     |   | 7             | 9              |                |           |                     |      |                           |                    |                          |                  |
|                     |     |   | 8             | 16             |                |           |                     |      |                           |                    | c*=2.13                  |                  |
| 15                  |     | Firm light brown and red clayey<br>sand | 9             | 17             |                |           |                     |      |                           |                    |                          |                  |
| 20                  |     | B.T. @ 20 FT                            |               |                |                |           |                     |      |                           |                    |                          |                  |
| 25                  |     |   |               |                |                |           |                     |      |                           |                    |                          |                  |
| 30                  |     |   |               |                |                |           |                     |      |                           |                    |                          |                  |
| 35                  |     |   |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETJ AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

REMARKS:

DATE DRILLED: 7/24/23

BORING DEPTH: 40 FT.

BORING ELEV.: 140.9 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES,BT,RS,  
RS(LOGGER)



BORING NUMBER: B-4

BORING LOCATION:

N: 196281.7 E: 1903381.1

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION                               | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|-----|---|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |     |   |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 0                   |     |   | 1             | 10             |                |           |                     |      |                           |                    | c*=1.00                  |                  |
|                     |     |   | 2             | 8              |                |           |                     |      |                           |                    | c*=1.30                  |                  |
|                     |     | Firm to loose brown clayey sand           | 3             | 6              |                | 21        | 34                  | 23   |                           | 53.8               |                          | CL               |
| 5                   |     | Medium consistency red sandy clay         | 4             | 6              |                |           |                     |      |                           |                    |                          |                  |
|                     |     |   | 5             | 4              |                | 21        | 28                  | 12   |                           | 45.0               |                          | SC               |
|                     |     | Loose red clayey sand                     | 6             | 9              |                |           |                     |      |                           |                    | c*=0.38                  |                  |
| 10                  |     |   | 7             | 14             |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Firm brown and light brown clayey sand    | 8             | 16             |                |           |                     |      |                           |                    |                          |                  |
| 15                  |     |   | 9             | 20             |                |           |                     |      |                           |                    |                          |                  |
| 20                  |     |   | 10            | 21             |                |           |                     |      |                           |                    |                          |                  |
| 25                  |     | Firm light brown and yellowish brown sand | 11            | 20             |                |           |                     |      |                           |                    |                          |                  |
| 30                  |     |   | 12            | 22             |                |           |                     |      |                           |                    |                          |                  |
| 35                  |     |   |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

REMARKS:

DATE DRILLED: 7/24/23

BORING DEPTH: 40 FT.

BORING ELEV.: 140.9 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED


DRILL CREW: ES,BT,RS,  
RS(LOGGER)



BORING NUMBER: B-4

BORING LOCATION:

N: 196281.7 E: 1903381.1

| DEPTH<br>IN<br>FEET | LOG   | DESCRIPTION                                  | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|---|--|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |   |  |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 35                  |  | Firm light brown and yellowish<br>brown sand | 13            | 23             |                |           |                     |      |                           |                    |                          |                  |
| 40                  |   | B.T. @ 40 FT                                 |               |                |                |           |                     |      |                           |                    |                          |                  |
| 45                  |   |  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 50                  |   |  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 55                  |   |  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 60                  |   |  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 65                  |   |  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 70                  |   |  |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

REMARKS:

DATE DRILLED: 7/19/23

BORING DEPTH: 30 FT.

BORING ELEV.: 140.0 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES,BT,RS,  
CS(LOGGER)



BORING NUMBER: B-5

BORING LOCATION:

N: 196205.7 E: 1903260.5

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION   | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|-----|---|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |     |   |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 0                   |     |   | 1             | 31             |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Dense to firm brownish red silty sand                       | 2             | 13             |                |           |                     |      |                           |                    |                          |                  |
|                     |     |   | 3             | 20             |                | 14        |                     |      |                           | 17.2               |                          |                  |
| 5                   |     |   | 4             | 3              |                | 21        | 35                  | 22   |                           | 44.7               | c*=0.65                  | SC               |
|                     |     | Loose red and brown clayey sand                             | 5             | 4              |                |           |                     |      |                           |                    | c*=0.65                  |                  |
|                     |     |   | 6             | 15             |                | 17        | 38                  | 20   |                           |                    |                          |                  |
| 10                  |     | Stiff to very stiff red and brown gravelly clay (iron rock) | 7             | 17             |                |           |                     |      |                           |                    |                          |                  |
|                     |     |   | 8             | 17             |                | 24        |                     |      |                           |                    |                          |                  |
| 15                  |     | Firm brownish yellow and light red clayey sand              | 9             | 14             |                |           |                     |      |                           |                    |                          |                  |
|                     |     |   | 10            | 16             |                | 25        |                     |      |                           |                    |                          |                  |
| 25                  |     | Firm white, light brown, and light gray silty sand          | 11            | 14             |                |           |                     |      |                           |                    |                          |                  |
|                     |     |   |               |                |                |           |                     |      |                           |                    |                          |                  |
| 30                  |     | Firm light brown and reddish brown sand                     |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     | B.T. @ 30 FT  |               |                |                |           |                     |      |                           |                    |                          |                  |
| 35                  |     |   |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

REMARKS:

DATE DRILLED: 7/24/23

BORING DEPTH: 20 FT.

BORING ELEV.: 140.1 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES,BT,RS,  
RS(LOGGER)



BORING NUMBER: B-6

BORING LOCATION:

N: 196208.7 E: 1903383.2

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION                          | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|-----|--------------------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |     |                                      |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 0                   |     | 2" Topsoil                           | 1             | 11             |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                      | 2             | 13             |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Stiff to medium brown sandy clay     | T-1           |                |                | 16        | 33                  | 22   |                           | 53.2               |                          | CL               |
|                     |     |                                      | 3             | 8              |                |           |                     |      |                           |                    |                          |                  |
| 5                   |     |                                      | 4             | 4              |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                      | 5             | 8              |                | 47        | 34                  | 23   |                           | 46.7               |                          | SC               |
|                     |     |                                      | 6             | 9              |                |           |                     |      |                           |                    | c*=0.80                  |                  |
| 10                  |     | Loose red clayey sand                | 7             | 8              |                | 18        |                     |      |                           |                    |                          |                  |
|                     |     |                                      | 8             | 12             |                |           |                     |      |                           |                    | c*=1.38                  |                  |
| 15                  |     | Firm light brown and red clayey sand | 9             | 20             |                |           |                     |      |                           |                    | c*=2.25                  |                  |
| 20                  |     | B.T. @ 20 FT                         |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
| 25                  |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
| 30                  |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
| 35                  |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

DATE DRILLED: 7/19/23

BORING DEPTH: 20 FT.

BORING ELEV.: 139.3 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES,BT,RS,  
CS(LOGGER)



BORING NUMBER: B-7

BORING LOCATION:

REMARKS:

N: 196135.5 E: 1903259.1

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION                          | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|-----|--------------------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |     |                                      |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 0                   |     |                                      | 1             | 6              |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Medium consistency red clayey sand   | 2             | 5              |                | 17        |                     |      |                           | 47.2               |                          |                  |
|                     |     |                                      | 3             | 5              |                |           |                     |      |                           |                    |                          |                  |
| 5                   |     | Loose red clayey sand                | 4             | 6              |                | 16        |                     |      |                           | 44.0               |                          |                  |
|                     |     |                                      | 5             | 14             |                | 18        |                     |      |                           | 42.2               |                          |                  |
|                     |     | Firm red and light brown clayey sand | 6             | 17             |                |           |                     |      |                           |                    |                          |                  |
| 10                  |     | Very stiff red clay with sand        | 7             | 15             |                | 16        |                     |      |                           |                    |                          |                  |
|                     |     |                                      | 8             | 15             |                |           |                     |      |                           |                    |                          |                  |
| 15                  |     | Firm yellowish brown clayey sand     | 9             | 16             |                | 14        |                     |      |                           |                    |                          |                  |
| 20                  |     | B.T. @ 20 FT                         |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
| 25                  |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
| 30                  |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |
| 35                  |     |                                      |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG: MOBILE B37

DRILL METHOD: MUD ROTARY

REMARKS:

DATE DRILLED: 7/24/23

BORING DEPTH: 30 FT.

BORING ELEV.: 139.9 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES,BT,RS,  
RS(LOGGER)



BORING NUMBER: B-8

BORING LOCATION:

N: 196134.7 E: 1903382.2

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION                    | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | SHEAR<br>STRENGTH<br>tsf | UNIFIED<br>CLASS |
|---------------------|-----|--------------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|--------------------------|------------------|
|                     |     |                                |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                          |                  |
| 0                   |     | 3" Topsoil                     | 1             | 11             |                |           |                     |      |                           |                    | c*=2.25                  |                  |
|                     |     | Stiff brown clayey sand        | 2             | 8              |                | 15        | 20                  | 8    |                           | 43.3               | c*=0.75                  | SC               |
|                     |     |                                | 3             | 7              |                | 19        | 29                  | 18   |                           | 48.1               | c*=0.63                  | SC               |
| 5                   |     | Loose red clayey sand          | 4             | 5              |                |           |                     |      |                           |                    | c*=0.38                  |                  |
|                     |     |                                | 5             | 18             |                |           |                     |      |                           |                    |                          |                  |
| 10                  |     | Firm red clayey gravel         | 6             | 18             |                | 11        | 36                  | 22   |                           | 22.1               |                          | GC               |
|                     |     |                                | 7             | 7              |                |           |                     |      |                           |                    |                          |                  |
| 15                  |     | Very stiff red sandy clay      | 8             | 19             |                |           |                     |      |                           |                    |                          |                  |
|                     |     |                                | 9             | 20             |                |           |                     |      |                           |                    |                          |                  |
| 20                  |     | Very stiff red gravelly clay   | 10            | 27             |                |           |                     |      |                           |                    |                          |                  |
| 25                  |     |                                | 11            | 28             |                |           |                     |      |                           |                    |                          |                  |
|                     |     | Firm light brown and gray sand |               |                |                |           |                     |      |                           |                    |                          |                  |
| 30                  |     | B.T. @ 30 FT                   |               |                |                |           |                     |      |                           |                    |                          |                  |
| 35                  |     |                                |               |                |                |           |                     |      |                           |                    |                          |                  |

MOD DEEP BORING LOG W/O NC VALUES & N-E 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

Reviewed By:

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG:

DRILL METHOD: HAND AUGER

DATE DRILLED: 7/18/23

BORING DEPTH: 5 FT.

BORING ELEV.: 139.5 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES, BT,  
CS(LOGGER)



BORING NUMBER: HA-1

BORING LOCATION:

REMARKS:

N: 197023.8 E: 1903182.5

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION              | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | INSITU<br>CBR<br>(DCP) | AASHTO<br>CLASS |
|---------------------|-----|--------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|------------------------|-----------------|
|                     |     |                          |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                        |                 |
| 0                   |     | 3" Topsoil               |               |                |                |           |                     |      |                           |                    | 6.0                    |                 |
| 1                   |     |                          |               |                |                |           |                     |      |                           |                    | 4.0                    |                 |
| 2                   |     |                          |               |                |                |           |                     |      |                           |                    | 2.0                    |                 |
| 3                   |     | Yellowish red silty sand | 1             |                |                | 13        | 15                  | 3    |                           | 41.3               | 2.0                    | A-4             |
| 4                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 5                   |     | B.T. @ 5 FT              |               |                |                |           |                     |      |                           |                    |                        |                 |
| 6                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 7                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 8                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 9                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 10                  |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |

HAND AUGER W/ N-E (AASHTO) 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI.AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG:

DRILL METHOD: HAND AUGER

DATE DRILLED: 7/18/23

BORING DEPTH: 5 FT.

BORING ELEV.: 141.7 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES, BT,  
CS(LOGGER)



BORING NUMBER: HA-2

BORING LOCATION:

REMARKS:

N: 196860 E: 1903316.4

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION              | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | INSITU<br>CBR<br>(DCP) | AASHTO<br>CLASS |
|---------------------|-----|--------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|------------------------|-----------------|
|                     |     |                          |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                        |                 |
| 0                   |     | 3" Asphalt               |               |                |                |           |                     |      |                           |                    | 90.0                   |                 |
| 1                   |     |                          |               |                |                |           |                     |      |                           |                    | 100.0                  |                 |
| 2                   |     |                          |               |                |                |           |                     |      |                           |                    | 100.0                  |                 |
| 3                   |     | Yellowish red silty sand | 1             |                |                | 8         | NP                  | NP   |                           | 18.9               | 90.0                   | A-2-4           |
| 4                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 5                   |     | B.T. @ 5 FT              |               |                |                |           |                     |      |                           |                    |                        |                 |
| 6                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 7                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 8                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 9                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 10                  |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

HAND AUGER W/ N-E (AASHTO) 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG:

DRILL METHOD: HAND AUGER

DATE DRILLED: 7/18/23

BORING DEPTH: 5 FT.

BORING ELEV.: 139.3 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES, BT,  
CS(LOGGER)



BORING NUMBER: HA-3

BORING LOCATION:

REMARKS:

N: 196745.6 E: 1903065.2

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION              | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | INSITU<br>CBR<br>(DCP) | AASHTO<br>CLASS |
|---------------------|-----|--------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|------------------------|-----------------|
|                     |     |                          |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                        |                 |
| 0                   |     | 3" Topsoil               |               |                |                |           |                     |      |                           |                    | 13.0                   |                 |
| 1                   |     |                          |               |                |                |           |                     |      |                           |                    | 9.0                    |                 |
| 2                   |     |                          |               |                |                |           |                     |      |                           |                    | 2.0                    |                 |
| 3                   |     |                          |               |                |                |           |                     |      |                           |                    | 2.0                    |                 |
| 4                   |     | Reddish brown silty sand | 1             |                |                | 13        | NP                  | NP   |                           | 42.5               | 2.0                    | A-4             |
| 5                   |     | B.T. @ 5 FT              |               |                |                |           |                     |      |                           |                    |                        |                 |
| 6                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 7                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 8                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 9                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 10                  |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |

HAND AUGER W/ N-E (AASHTO) 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG:

DRILL METHOD: HAND AUGER

DATE DRILLED: 7/18/23

BORING DEPTH: 5 FT.

BORING ELEV.: 142.2 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES, BT,  
CS(LOGGER)



BORING NUMBER: HA-4

BORING LOCATION:

REMARKS:

N: 196512.7 E: 1903152.1

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION              | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | INSITU<br>CBR<br>(DCP) | AASHTO<br>CLASS |
|---------------------|-----|--------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|------------------------|-----------------|
|                     |     |                          |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                        |                 |
| 0                   |     | 4" Asphalt               |               |                |                |           |                     |      |                           |                    | 70.0                   |                 |
| 1                   |     |                          |               |                |                |           |                     |      |                           |                    | 30.0                   |                 |
| 2                   |     |                          |               |                |                |           |                     |      |                           |                    | 70.0                   |                 |
| 3                   |     | Yellowish red silty sand | 1             |                |                | 9         | NP                  | NP   |                           | 19.1               | 100.0                  | A-2-4           |
| 4                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 5                   |     | B.T. @ 5 FT              |               |                |                |           |                     |      |                           |                    |                        |                 |
| 6                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 7                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 8                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 9                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 10                  |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |

HAND AUGER W/ N-E (AASHTO) 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG:

DRILL METHOD: HAND AUGER

DATE DRILLED: 7/18/23

BORING DEPTH: 5 FT.

BORING ELEV.: 139.2 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES, BT,  
CS(LOGGER)



BORING NUMBER: HA-5

BORING LOCATION:

REMARKS:

N: 196336.5 E: 1903062.3

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION             | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | INSITU<br>CBR<br>(DCP) | AASHTO<br>CLASS |
|---------------------|-----|-------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|------------------------|-----------------|
|                     |     |                         |               | N <sub>t</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                        |                 |
| 0                   |     | 4" Topsoil              |               |                |                |           |                     |      |                           |                    | 9.0                    |                 |
| 1                   |     | Brown silty clayey sand | 1             |                |                | 13        | 16                  | 4    |                           | 41.0               | 8.0                    | A-4             |
| 2                   |     |                         |               |                |                |           |                     |      |                           |                    | 2.0                    |                 |
| 3                   |     | Red sandy clay          | 2             |                |                | 17        | 26                  | 17   |                           | 51.8               | 6.0                    | A-6             |
| 4                   |     |                         |               |                |                |           |                     |      |                           |                    |                        |                 |
| 5                   |     | B.T. @ 5 FT             |               |                |                |           |                     |      |                           |                    |                        |                 |
| 6                   |     |                         |               |                |                |           |                     |      |                           |                    |                        |                 |
| 7                   |     |                         |               |                |                |           |                     |      |                           |                    |                        |                 |
| 8                   |     |                         |               |                |                |           |                     |      |                           |                    |                        |                 |
| 9                   |     |                         |               |                |                |           |                     |      |                           |                    |                        |                 |
| 10                  |     |                         |               |                |                |           |                     |      |                           |                    |                        |                 |

HAND AUGER W/ N-E (AASHTO) 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG:

DRILL METHOD: HAND AUGER

DATE DRILLED: 7/18/23

BORING DEPTH: 5 FT.

BORING ELEV.: 139.2 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES, BT,  
CS(LOGGER)



BORING NUMBER: HA-6

BORING LOCATION:

REMARKS:

N: 196149 E: 1903149.1

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION               | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | INSITU<br>CBR<br>(DCP) | AASHTO<br>CLASS |
|---------------------|-----|---------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|------------------------|-----------------|
|                     |     |                           |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                        |                 |
| 0                   |     | 5" Topsoil                |               |                |                |           |                     |      |                           |                    | 4.0                    |                 |
| 1                   |     |                           |               |                |                |           |                     |      |                           |                    | 7.0                    |                 |
| 2                   |     |                           |               |                |                |           |                     |      |                           |                    | 2.0                    |                 |
| 3                   |     | Grayish brown clayey sand | 1             |                |                | 13        | NP                  | NP   |                           | 39.0               | 3.0                    | A-4             |
| 4                   |     |                           |               |                |                |           |                     |      |                           |                    |                        |                 |
| 5                   |     | B.T. @ 5 FT               |               |                |                |           |                     |      |                           |                    |                        |                 |
| 6                   |     |                           |               |                |                |           |                     |      |                           |                    |                        |                 |
| 7                   |     |                           |               |                |                |           |                     |      |                           |                    |                        |                 |
| 8                   |     |                           |               |                |                |           |                     |      |                           |                    |                        |                 |
| 9                   |     |                           |               |                |                |           |                     |      |                           |                    |                        |                 |
| 10                  |     |                           |               |                |                |           |                     |      |                           |                    |                        |                 |

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG:

DRILL METHOD: HAND AUGER

DATE DRILLED: 7/18/23

BORING DEPTH: 5 FT.

BORING ELEV.: 139.0 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES, BT,  
CS(LOGGER)



BORING NUMBER: HA-7

BORING LOCATION:

REMARKS:

N: 196004.3 E: 1903061.7

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION              | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | INSITU<br>CBR<br>(DCP) | AASHTO<br>CLASS |
|---------------------|-----|--------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|------------------------|-----------------|
|                     |     |                          |               | N <sub>r</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                        |                 |
| 0                   |     | 4" Topsoil               |               |                |                |           |                     |      |                           |                    | 4.0                    |                 |
| 1                   |     | Brown silty sand         | 1             |                |                | 12        | NP                  | NP   |                           | 34.5               | 4.0                    | A-2-4           |
| 2                   |     |                          |               |                |                |           |                     |      |                           |                    | 1.0                    |                 |
| 3                   |     |                          |               |                |                |           |                     |      |                           |                    | 2.0                    |                 |
| 4                   |     | Yellowish red silty sand | 2             |                |                | 13        | NP                  | NP   |                           | 40.0               | 4.0                    | A-4             |
| 5                   |     | B.T. @ 5 FT              |               |                |                |           |                     |      |                           |                    |                        |                 |
| 6                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 7                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 8                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 9                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 10                  |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |

NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

PROJECT NAME: ROBERTSDALE HS  
ADDITIONS

G.E.T. PROJ. NUMBER: 23-181

PROJECT LOCATION: ROBERTSDALE, AL

DRILL RIG:

DRILL METHOD: HAND AUGER

DATE DRILLED: 7/18/23

BORING DEPTH: 5 FT.

BORING ELEV.: 139.6 FT.

DATUM:

WATER DEPTH: NOT  
MEASURED

DRILL CREW: ES, BT,  
CS(LOGGER)



BORING NUMBER: HA-8

BORING LOCATION:

REMARKS:

N: 195951.9 E: 1903245

| DEPTH<br>IN<br>FEET | LOG | DESCRIPTION              | SAMPLE<br>NO. | S.P.T.         |                | W.C.<br>% | ATTERBERG<br>LIMITS |      | DRY<br>UNIT<br>WT.<br>pcf | %<br>MINUS<br>#200 | INSITU<br>CBR<br>(DCP) | AASHTO<br>CLASS |
|---------------------|-----|--------------------------|---------------|----------------|----------------|-----------|---------------------|------|---------------------------|--------------------|------------------------|-----------------|
|                     |     |                          |               | N <sub>i</sub> | N <sub>c</sub> |           | L.L.                | P.I. |                           |                    |                        |                 |
| 0                   |     | 4" Asphalt               |               |                |                |           |                     |      |                           |                    | 50.0                   |                 |
| 1                   |     |                          |               |                |                |           |                     |      |                           |                    | 50.0                   |                 |
| 2                   |     |                          |               |                |                |           |                     |      |                           |                    | 8.0                    |                 |
| 3                   |     |                          |               |                |                |           |                     |      |                           |                    | 4.0                    |                 |
| 4                   |     |                          |               |                |                |           |                     |      |                           |                    | 5.0                    |                 |
| 5                   |     | Yellowish red silty sand | 1             |                |                | 12        | NP                  | NP   |                           | 17.1               |                        | A-2-4           |
| 6                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 7                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 8                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 9                   |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |
| 10                  |     |                          |               |                |                |           |                     |      |                           |                    |                        |                 |

HAND AUGER W/ N-E (AASHTO) 23-181 ROBERTSDALE HS ADDITIONS.GPJ GETI AL.GDT 8/18/23

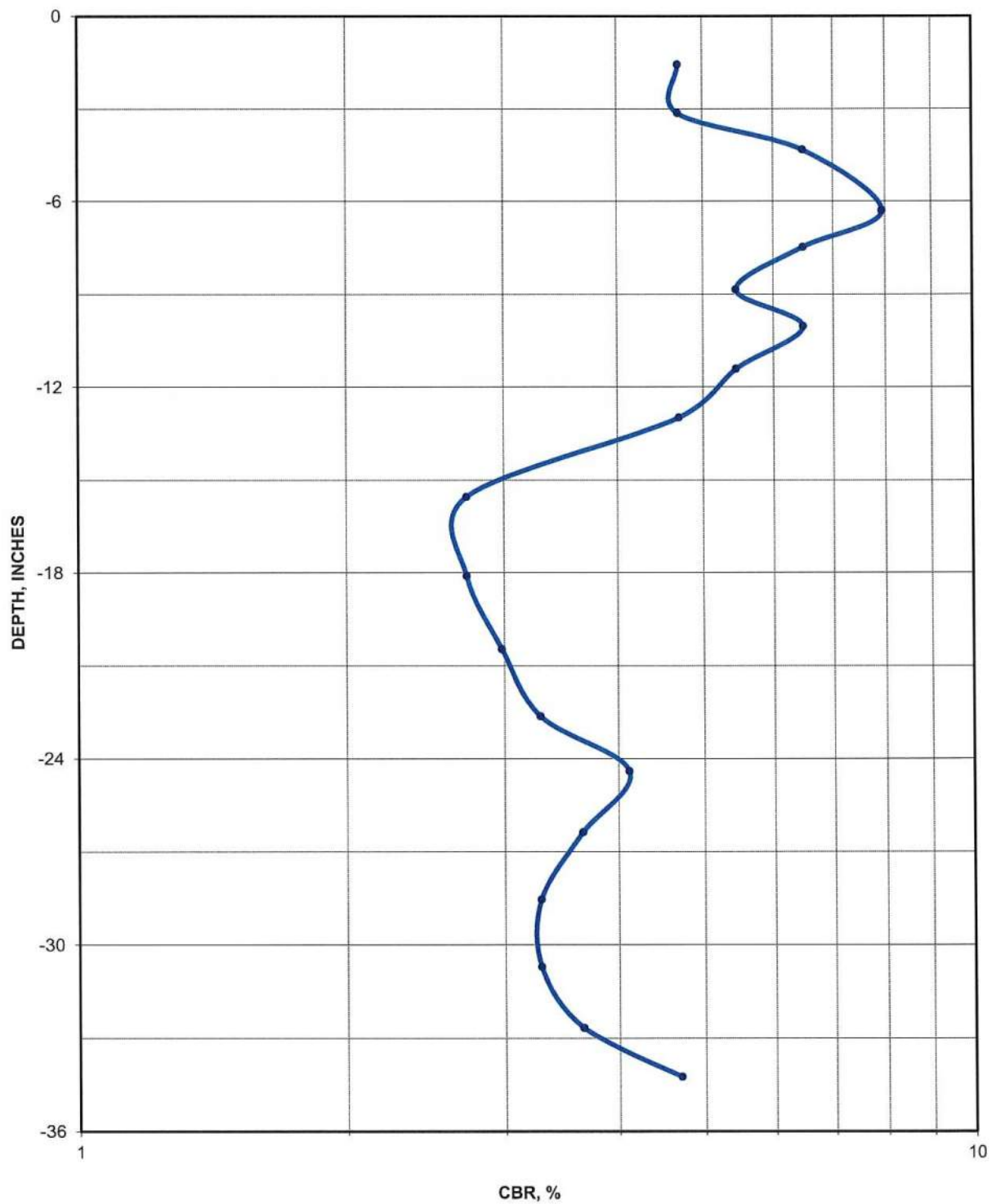
NOTE: The stratification lines shown represent the approximate boundary between soil types and the transition may be gradual. The groundwater level stated is for conditions at the time of boring and the level may fluctuate large amounts for other conditions or seasons.

**APPENDIX C**

**DYNAMIC CONE PENETROMETER TESTS**

# DYNAMIC CONE PENETROMETER RESULTS

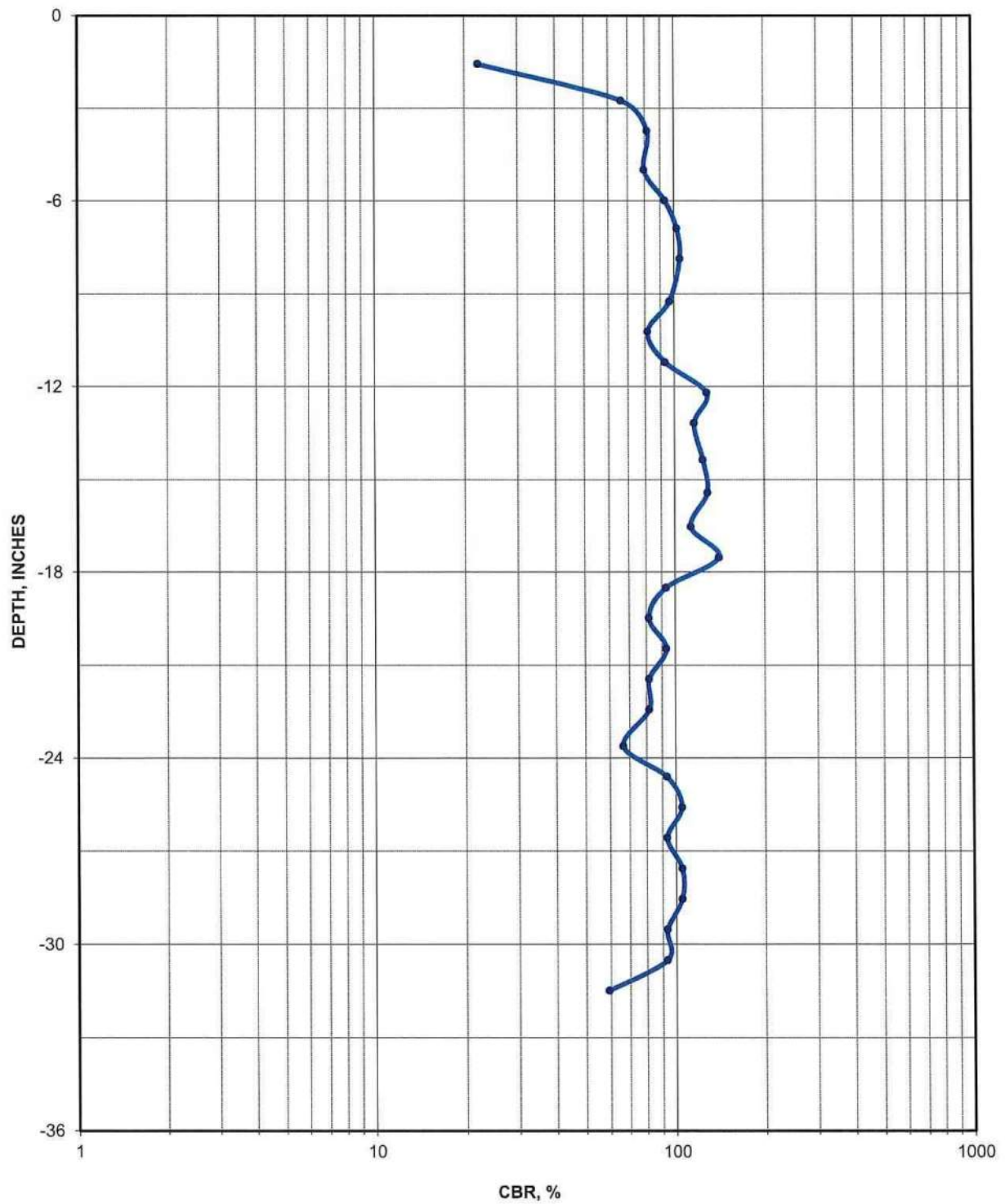
Robertsdale High School - Robertsdale, AL  
GET JOB NO: 23-181 BORING NO: A-01



GEOTECHNICAL ENGINEERING-TESTING, INC.  
904 Butler Drive - Mobile, AL 36693

# DYNAMIC CONE PENETROMETER RESULTS

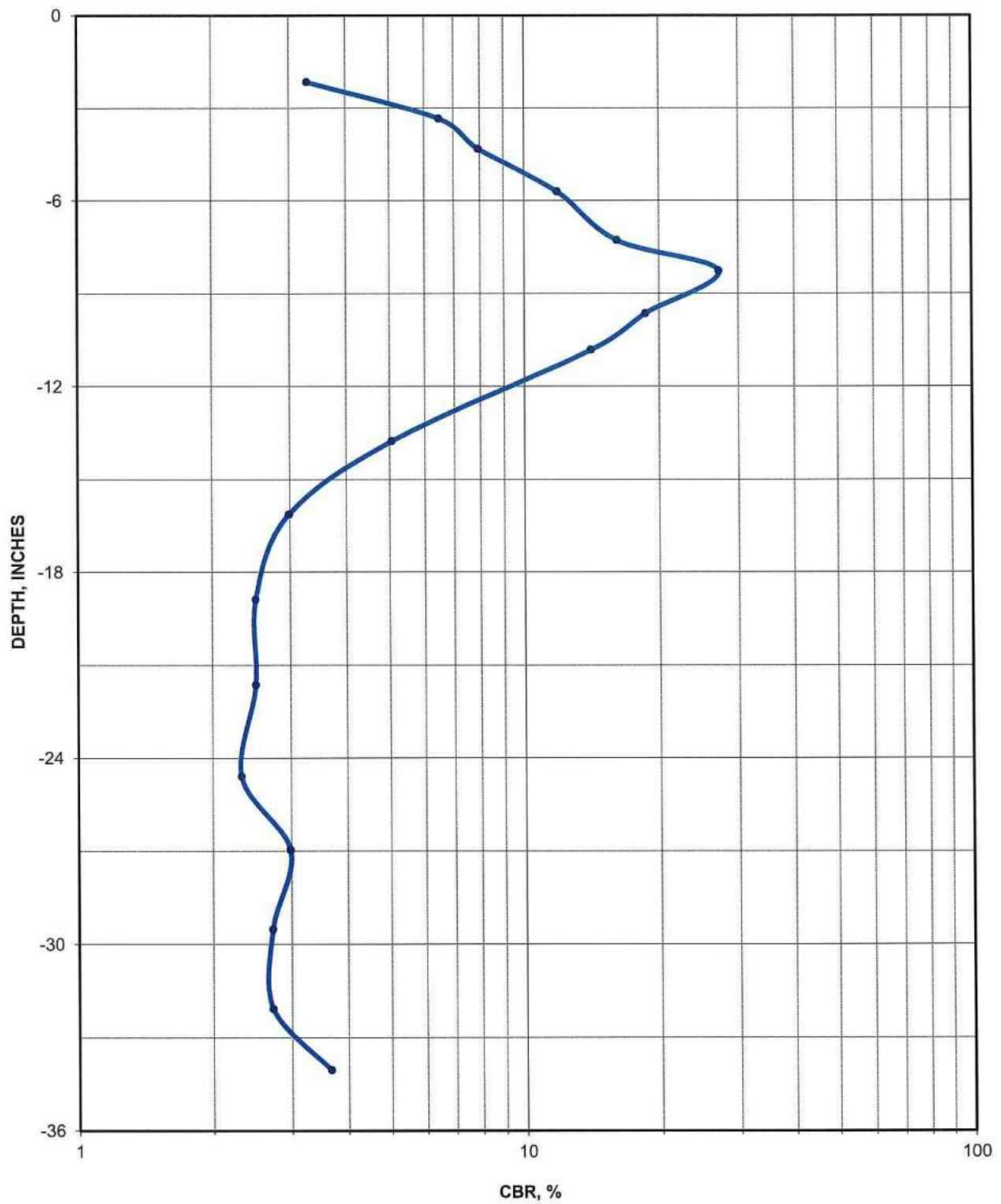
Robertsdale High School - Robertsdale, AL  
GET JOB NO: 23-181 BORING NO: A-02



GEOTECHNICAL ENGINEERING-TESTING, INC.  
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# DYNAMIC CONE PENETROMETER RESULTS

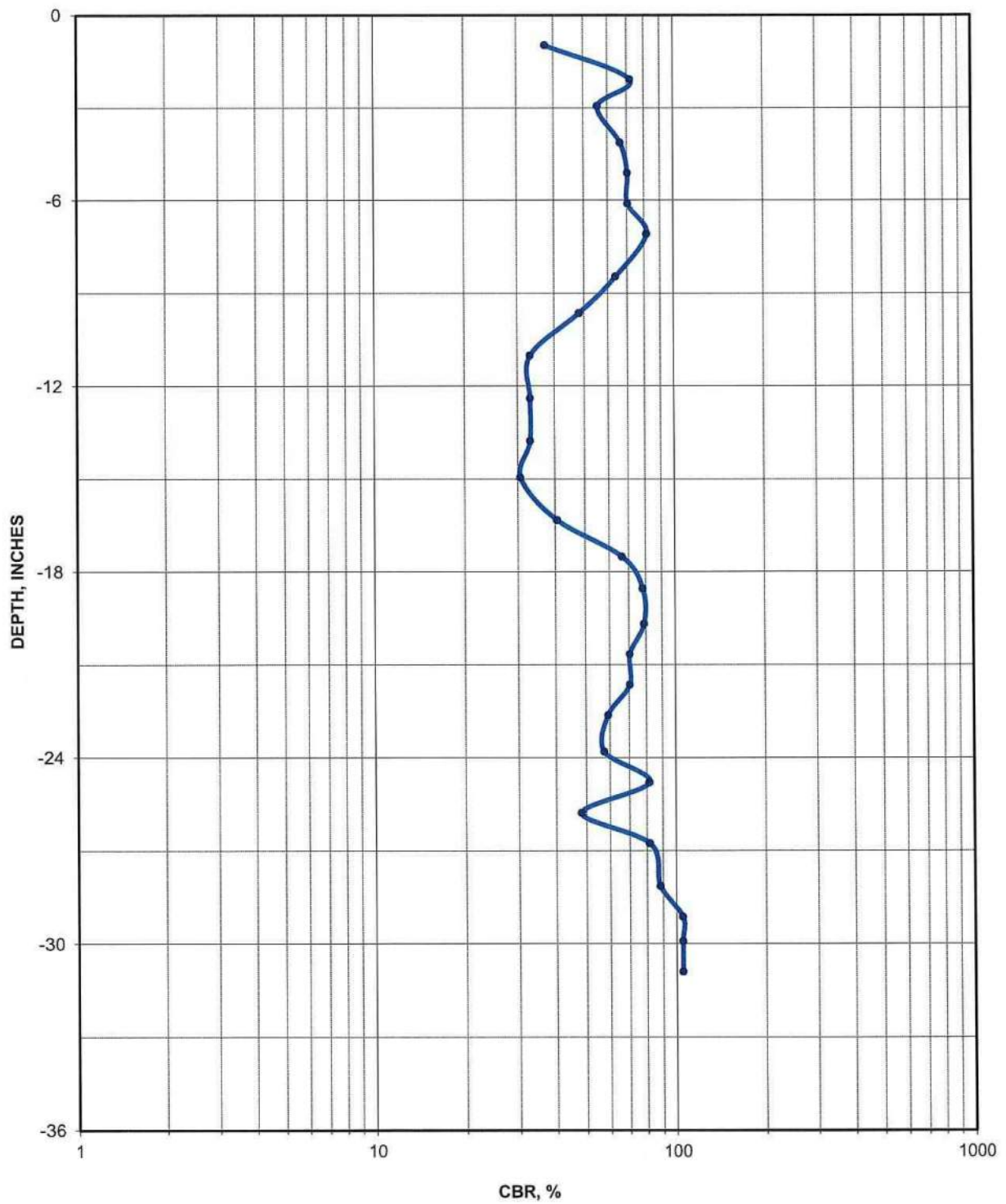
Robertsdale High School - Robertsdale, AL  
GET JOB NO: 23-181 BORING NO: A-03



GEOTECHNICAL ENGINEERING-TESTING, INC.  
904 Butler Drive - Mobile, AL 36693

# DYNAMIC CONE PENETROMETER RESULTS

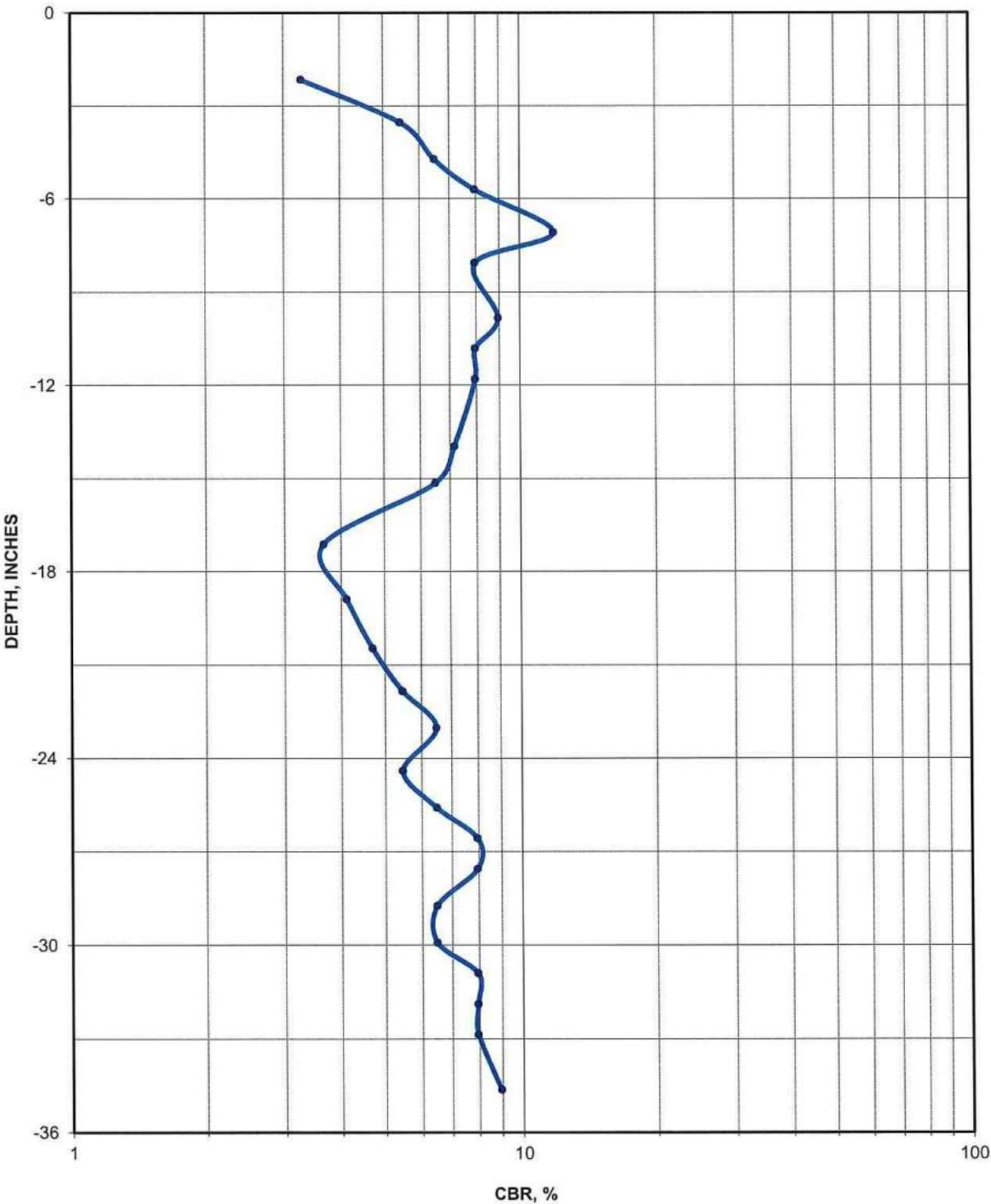
Robertsdale High School - Robertsdale, AL  
GET JOB NO: 23.181 BORING NO: A-04



GEOTECHNICAL ENGINEERING-TESTING, INC.  
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DYNAMIC CONE PENETROMETER RESULTS

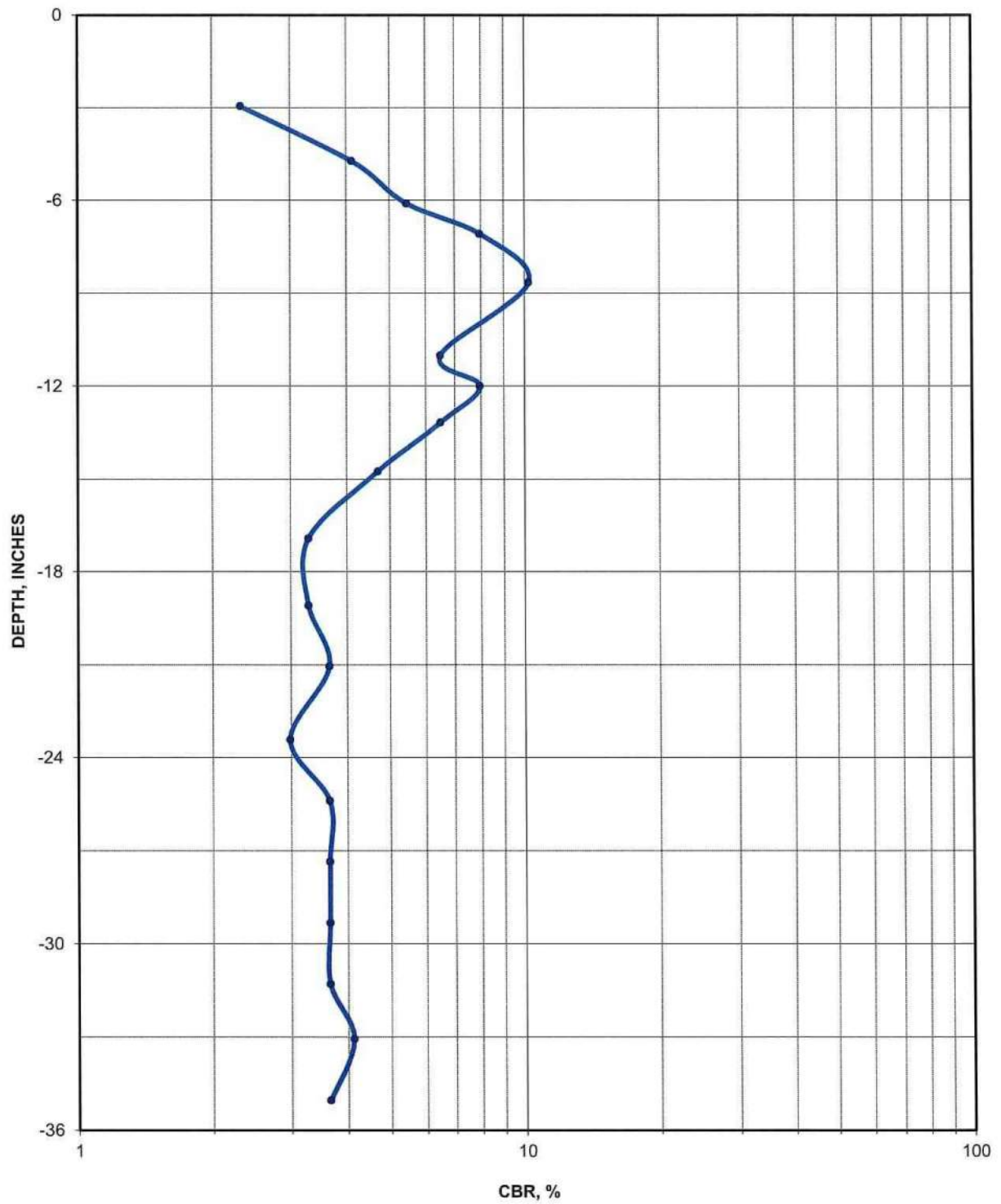
Robertsdale High School - Robertsdale, AL  
GET JOB NO: 23-181      BORING NO: A-05



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# DYNAMIC CONE PENETROMETER RESULTS

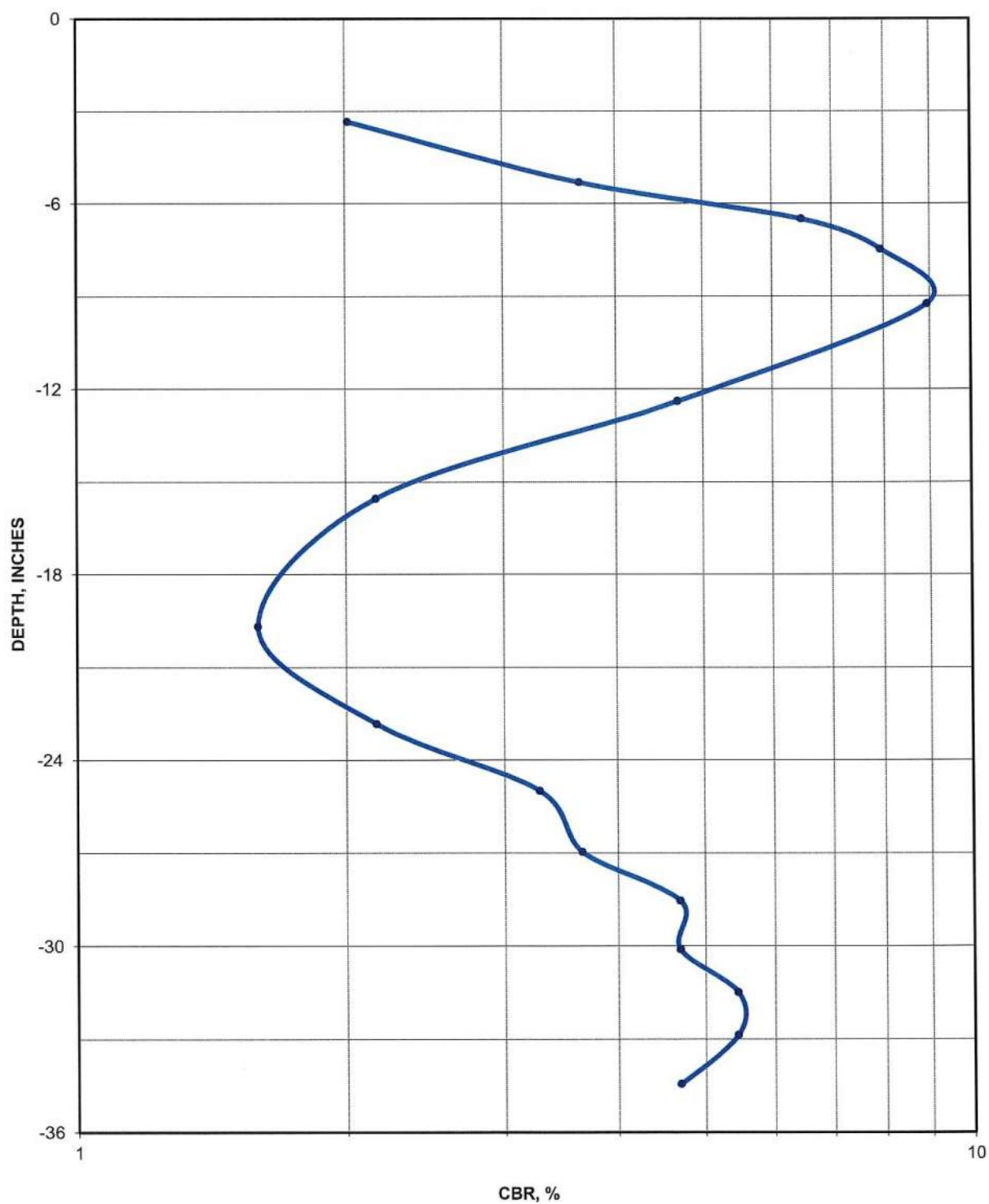
Robertsdale High School - Robertsdale, AL  
GET JOB NO: 23-181 BORING NO: A-06



GEOTECHNICAL ENGINEERING-TESTING, INC.  
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# DYNAMIC CONE PENETROMETER RESULTS

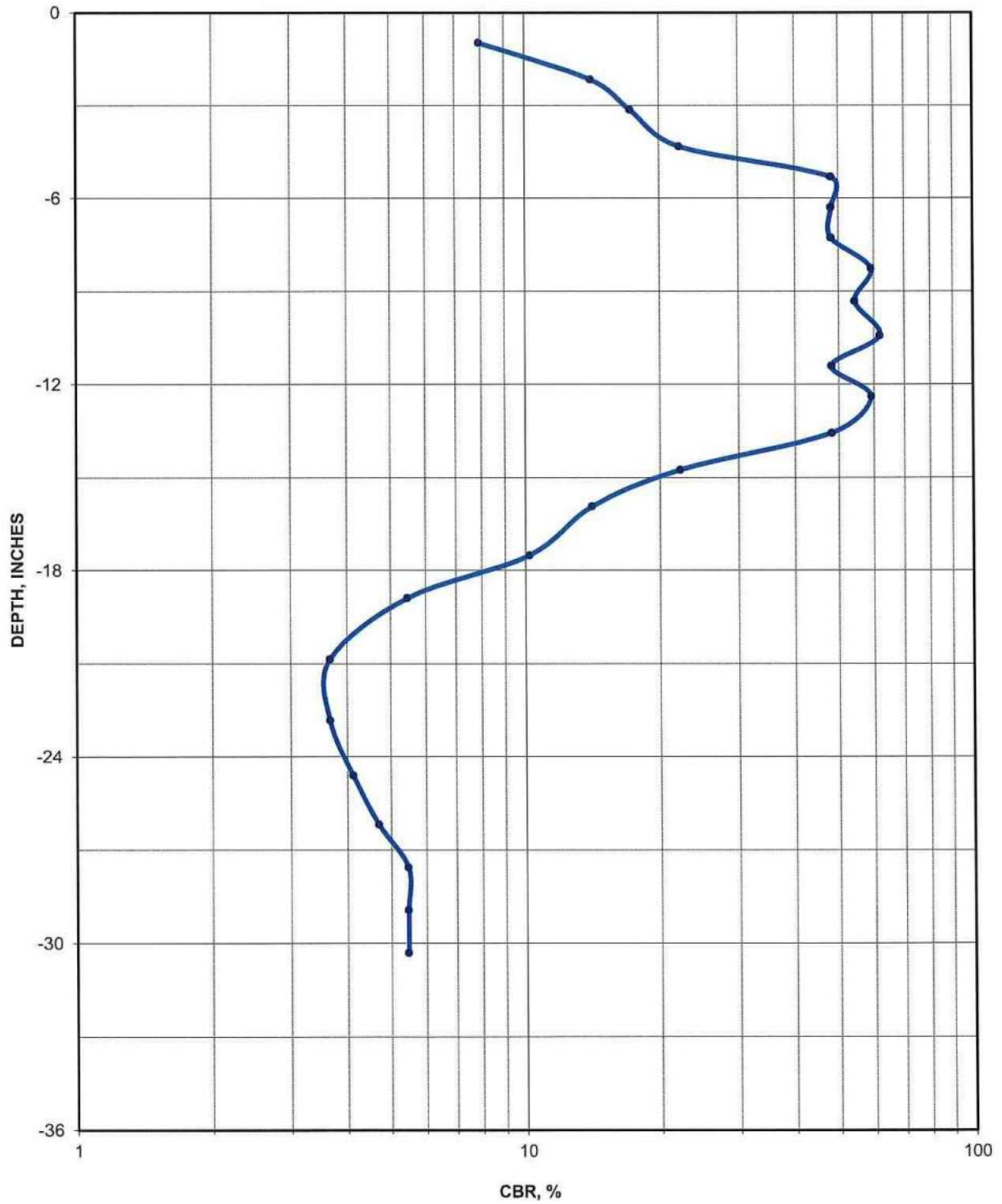
Robertsdale High School - Robertsdale, AL  
GET JOB NO: 23-181 BORING NO: A-07



GEOTECHNICAL ENGINEERING-TESTING, INC.  
904 Butler Drive - Mobile, AL 36693

# DYNAMIC CONE PENETROMETER RESULTS

Robertsdale High School - Robertsdale, AL  
GET JOB NO: 23-181 BORING NO: A-08



GEOTECHNICAL ENGINEERING-TESTING, INC.  
904 Butler Drive - Mobile, AL 36693

**APPENDIX D**

**LABORATORY TEST RESULTS**

| Boring Location             | Boring No. | Sample ID | Depth (ft) | Water Content (%) | Atterberg Limits |    |    | % Gravel | % Sand | % Passing 200 (if hydrometer data available) |        | D <sub>50</sub> (mm) | USCS | AASHTO Class |
|-----------------------------|------------|-----------|------------|-------------------|------------------|----|----|----------|--------|--|--------|----------------------|------|--------------|
|                             |            |           |            |                   | LL               | PL | PI |          |        | % Silt                                       | % Clay |                      |      |              |
| N: 196367.4<br>E: 1903262.6 | B-1        | 3         | 3.5        | 17                | NP               | NP | NP | 0.0      | 86.1   | 13.9   |        | 0.427                | SM   | A-1-b (0)    |
| N: 196367.4<br>E: 1903262.6 | B-1        | 8         | 14.0       | 25                | 49               | 19 | 30 | 0.0      | 52.3   | 47.7   |        | 0.09                 | SC   | A-7-6 (10)   |
| N: 196367.2<br>E: 1903383.3 | B-2        | 2         | 2.0        | 11                |                  |    |    | 0.0      | 60.2   | 39.8   |        | 0.151                |      |              |
| N: 196367.2<br>E: 1903383.3 | B-2        | 4         | 5.0        | 16                | 34               | 13 | 21 | 0.0      | 46.0   | 54.0   |        |                      | CL   | A-6 (8)      |
| N: 196367.2<br>E: 1903383.3 | B-2        | 6         | 9.0        | 17                |                  |    |    |          |        |  |        |                      |      |              |
| N: 196367.2<br>E: 1903383.3 | B-2        | 8         | 14.0       | 20                |                  |    |    |          |        |  |        |                      |      |              |
| N: 196296<br>E: 1903221.5   | B-3        | 2         | 2.0        | 14                | 22               | 9  | 13 | 1.6      | 52.9   | 45.5   |        | 0.107                | SC   | A-6 (2)      |
| N: 196296<br>E: 1903221.5   | B-3        | T-1       | 4.0        | 16                | 27               | 10 | 17 | 2.3      | 49.9   | 47.7   |        | 0.091                | SC   | A-6 (4)      |
| N: 196281.7<br>E: 1903381.1 | B-4        | 3         | 3.5        | 21                | 34               | 11 | 23 | 0.5      | 45.8   | 53.8   |        |                      | CL   | A-6 (8)      |
| N: 196281.7<br>E: 1903381.1 | B-4        | 5         | 6.5        | 21                | 28               | 16 | 12 | 1.3      | 53.7   | 45.0   |        | 0.111                | SC   | A-6 (2)      |
| N: 196205.7<br>E: 1903260.5 | B-5        | 3         | 3.5        | 14                |                  |    |    | 0.0      | 82.8   | 17.2   |        | 0.388                |      |              |
| N: 196205.7<br>E: 1903260.5 | B-5        | 4         | 5.0        | 21                | 35               | 13 | 22 | 0.0      | 55.3   | 44.7   |        | 0.111                | SC   | A-6 (5)      |
| N: 196205.7<br>E: 1903260.5 | B-5        | 6         | 9.0        | 17                | 38               | 18 | 20 |          |        |  |        |                      |      |              |
| N: 196205.7<br>E: 1903260.5 | B-5        | 8         | 14.0       | 24                |                  |    |    |          |        |  |        |                      |      |              |
| N: 196205.7<br>E: 1903260.5 | B-5        | 10        | 24.0       | 25                |                  |    |    |          |        |  |        |                      |      |              |
| N: 196208.7<br>E: 1903383.2 | B-6        | T-1       | 3.0        | 16                | 33               | 11 | 22 | 1.5      | 45.4   | 53.2   |        |                      | CL   | A-6 (8)      |

SOIL CLASSIFICATION SUMMARY

GET PROJECT NUMBER: 23-181  
PROJECT NAME: ROBERTSDALE HS ADDITIONS  
COUNTY: BALDWIN



| Boring Location             | Boring No. | Sample ID | Depth (ft) | Water Content (%) | Atterberg Limits |    |    | % Gravel | % Sand | % Passing 200 (if hydrometer data available) |        | D <sub>50</sub> (mm) | USCS  | AASHTO Class |
|-----------------------------|------------|-----------|------------|-------------------|------------------|----|----|----------|--------|--|--------|----------------------|-------|--------------|
|                             |            |           |            |                   | LL               | PL | PI |          |        | % Silt                                       | % Clay |                      |       |              |
| N: 196208.7<br>E: 1903383.2 | B-6        | 5         | 6.5        | 47                | 34               | 11 | 23 | 5.2      | 48.2   | 46.7   |        | 0.1                  | SC    | A-6 (6)      |
| N: 196208.7<br>E: 1903383.2 | B-6        | 7         | 11.5       | 18                |                  |    |    |          |        |  |        |                      |       |              |
| N: 196135.5<br>E: 1903259.1 | B-7        | 2         | 2.0        | 17                |                  |    |    | 0.0      | 52.8   | 47.2   |        | 0.093                |       |              |
| N: 196135.5<br>E: 1903259.1 | B-7        | 4         | 5.0        | 16                |                  |    |    | 0.0      | 56.0   | 44.0   |        | 0.117                |       |              |
| N: 196135.5<br>E: 1903259.1 | B-7        | 5         | 6.5        | 18                |                  |    |    | 0.0      | 57.8   | 42.2   |        | 0.131                |       |              |
| N: 196135.5<br>E: 1903259.1 | B-7        | 7         | 11.5       | 16                |                  |    |    |          |        |  |        |                      |       |              |
| N: 196135.5<br>E: 1903259.1 | B-7        | 9         | 19.0       | 14                |                  |    |    |          |        |  |        |                      |       |              |
| N: 196134.7<br>E: 1903382.2 | B-8        | 2         | 2.0        | 15                | 20               | 12 | 8  | 0.0      | 56.7   | 43.3   |        | 0.122                | SC    | A-4 (0)      |
| N: 196134.7<br>E: 1903382.2 | B-8        | 3         | 3.5        | 19                | 29               | 11 | 18 | 0.0      | 51.9   | 48.1   |        | 0.087                | SC    | A-6 (5)      |
| N: 196134.7<br>E: 1903382.2 | B-8        | 6         | 9.0        | 11                | 36               | 14 | 22 | 51.2     | 26.7   | 22.1   |        | 5                    | GC    | A-2-6 (1)    |
| N: 197023.8<br>E: 1903182.5 | HA-1       | 1         | 0.3        | 13                | 15               | 12 | 3  | 0.0      | 58.7   | 41.3   |        | 0.095                | SM    | A-4 (0)      |
| N: 196860<br>E: 1903316.4   | HA-2       | 1         | 0.3        | 8                 | NP               | NP | NP | 0.0      | 81.1   | 18.9   |        | 0.325                | SM    | A-2-4 (0)    |
| N: 196745.6<br>E: 1903065.2 | HA-3       | 1         | 0.0        | 13                | NP               | NP | NP | 0.0      | 57.5   | 42.5   |        | 0.098                | SM    | A-4 (0)      |
| N: 196512.7<br>E: 1903152.1 | HA-4       | 1         | 0.3        | 9                 | NP               | 16 | NP | 0.0      | 80.9   | 19.1   |        | 0.299                | SM    | A-2-4 (0)    |
| N: 196336.5<br>E: 1903062.3 | HA-5       | 1         | 0.3        | 13                | 16               | 12 | 4  | 0.0      | 59.0   | 41.0   |        | 0.111                | SC-SM | A-4 (0)      |
| N: 196336.5<br>E: 1903062.3 | HA-5       | 2         | 1.3        | 17                | 26               | 9  | 17 | 0.0      | 48.2   | 51.8   |        |                      | CL    | A-6 (5)      |

SOIL CLASSIFICATION SUMMARY

GET PROJECT NUMBER: 23-181  
PROJECT NAME: ROBERTSDALE HS ADDITIONS  
COUNTY: BALDWIN

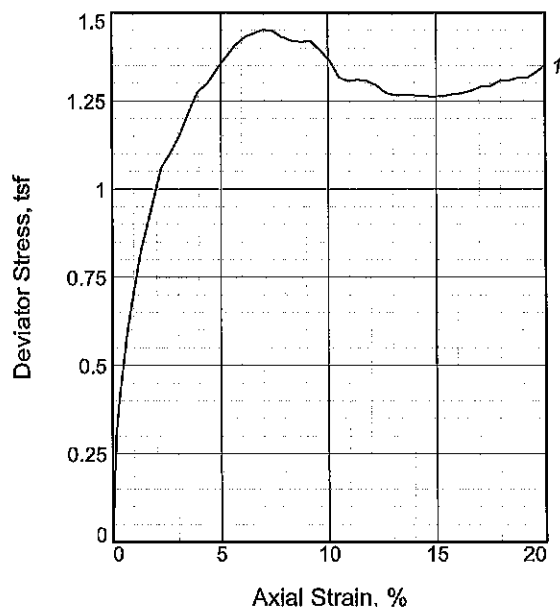
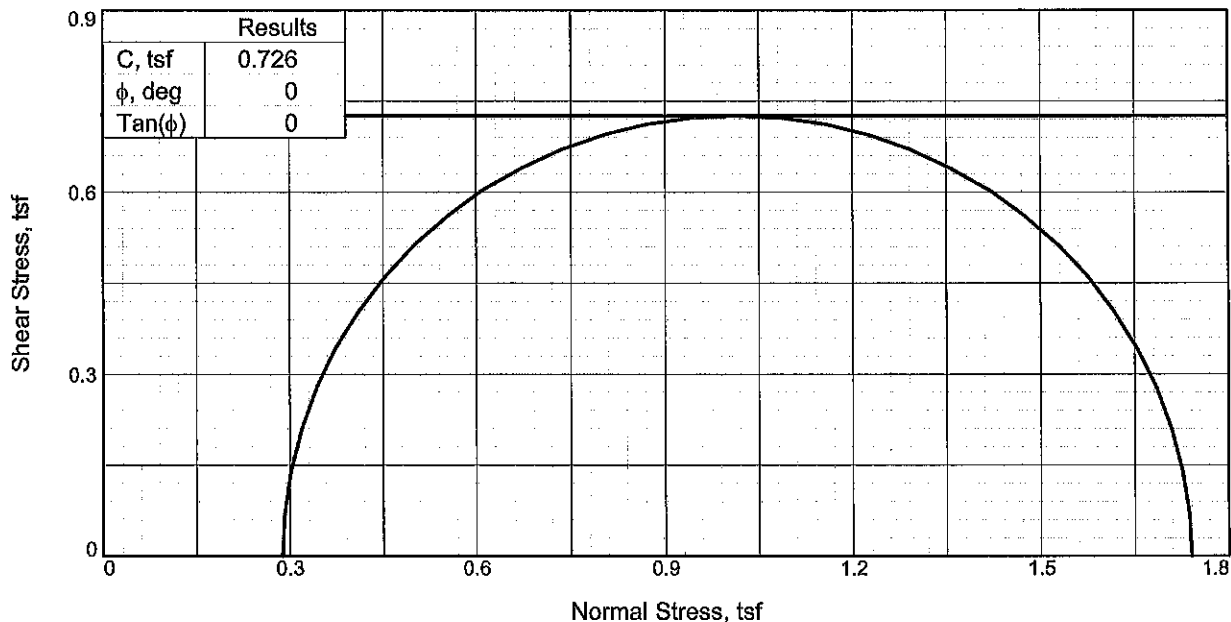


| Boring Location             | Boring No. | Sample ID | Depth (ft) | Water Content (%) | Atterberg Limits |    |    | % Gravel | % Sand | % Passing 200<br>(if hydrometer data available) |        | D <sub>50</sub> (mm) | USCS | AASHTO Class |
|-----------------------------|------------|-----------|------------|-------------------|------------------|----|----|----------|--------|---|--------|----------------------|------|--------------|
|                             |            |           |            |                   | LL               | PL | PI |          |        | % Silt  | % Clay |                      |      |              |
| N: 196149<br>E: 1903149.1   | HA-6       | 1         | 0.4        | 13                | NP               | 12 | NP | 0.0      | 61.0   | 39.0  |        | 0.119                | SM   | A-4 (0)      |
| N: 196004.3<br>E: 1903061.7 | HA-7       | 1         | 0.3        | 12                | NP               | NP | NP | 0.0      | 65.5   | 34.5  |        | 0.14                 | SM   | A-2-4 (0)    |
| N: 196004.3<br>E: 1903061.7 | HA-7       | 2         | 2.0        | 13                | NP               | NP | NP | 0.0      | 60.0   | 40.0  |        | 0.116                | SM   | A-4 (0)      |
| N: 195951.9<br>E: 1903245   | HA-8       | 1         | 0.3        | 12                | NP               | NP | NP | 0.0      | 82.9   | 17.1  |        | 0.324                | SM   | A-2-4 (0)    |

SOIL CLASSIFICATION SUMMARY

GET PROJECT NUMBER: 23-181  
PROJECT NAME: ROBERTSDALE HS ADDITIONS  
COUNTY: BALDWIN





|                              |                        |
|------------------------------|------------------------|
| Sample No. 1                 |                        |
| Initial                      | Water Content, % 15.5  |
|                              | Dry Density, pcf 110.5 |
|                              | Saturation, % 80.7     |
|                              | Void Ratio 0.5138      |
|                              | Diameter, in. 2.80     |
|                              | Height, in. 5.71       |
| At Test                      | Water Content, % 19.2  |
|                              | Dry Density, pcf 110.5 |
|                              | Saturation, % 100.0    |
|                              | Void Ratio 0.5138      |
|                              | Diameter, in. 2.80     |
|                              | Height, in. 5.71       |
| Strain rate, in./min. 0.06   |                        |
| Back Pressure, psi 0.00      |                        |
| Cell Pressure, psi 4.00      |                        |
| Fall. Stress, tsf 1.45       |                        |
| Strain, % 7.0                |                        |
| Ult. Stress, tsf             |                        |
| Strain, %                    |                        |
| $\sigma_1$ Failure, tsf 1.74 |                        |
| $\sigma_3$ Failure, tsf 0.29 |                        |

#### Type of Test:

Unconsolidated Undrained

**Sample Type:** Undisturbed

**Description:** Reddish Silty Clay

7/26/2023

2C Shear Failure

**Assumed Specific Gravity=** 2.68

**Remarks:**

#### Client:

**Project:** Robertsedale High School Additions

**Sample Number:** B-3, T-1

**Depth:** 4-6

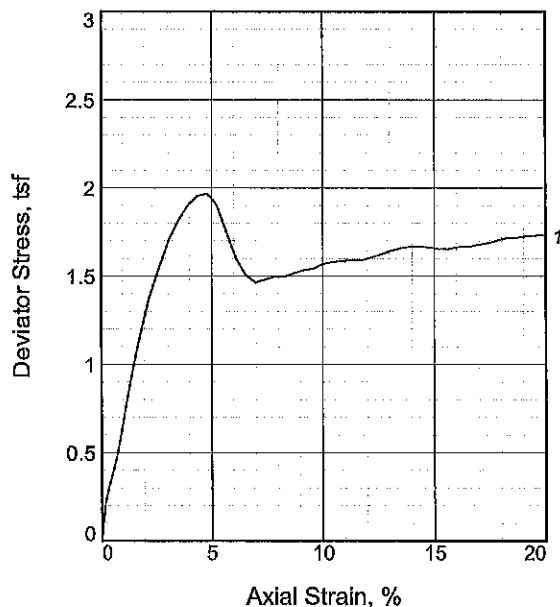
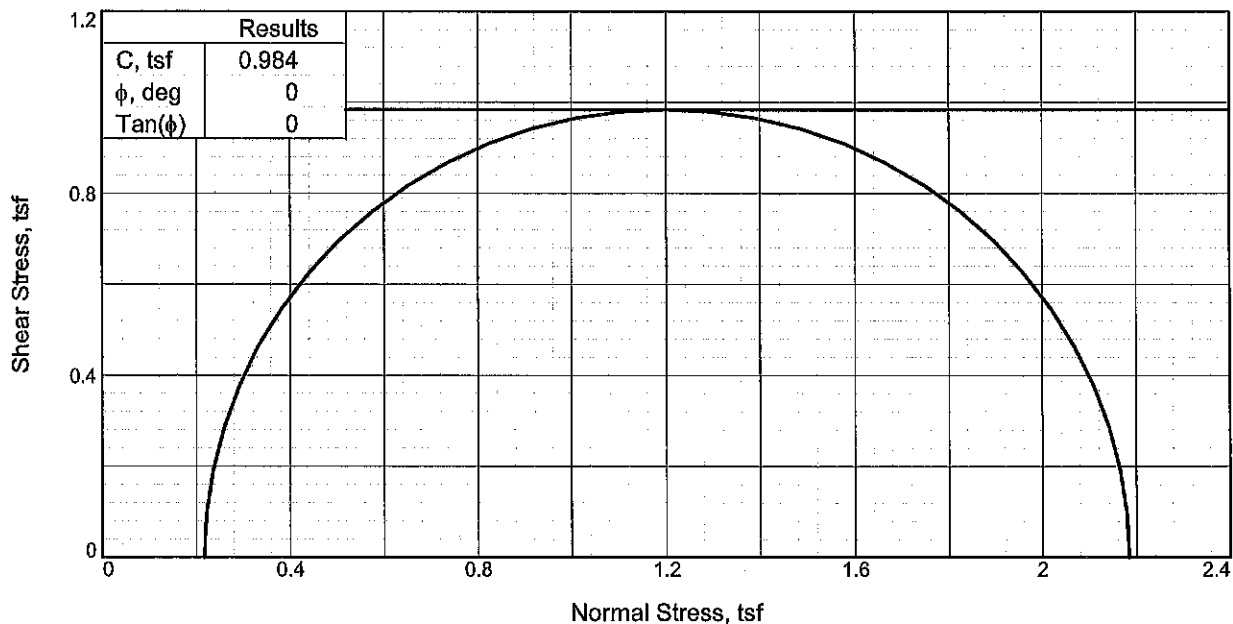
**Proj. No.:** 23-181

**Date Sampled:**

TRIAXIAL SHEAR TEST REPORT  
Geotechnical Engineering-Testing, Inc.  
Mobile, AL

Figure \_\_\_\_\_

**Tested By:** BJ \_\_\_\_\_



|                         |                  |        |
|-------------------------|------------------|--------|
| Sample No.              |                  | 1      |
| Initial                 | Water Content, % | 15.6   |
|                         | Dry Density, pcf | 109.1  |
|                         | Saturation, %    | 78.4   |
|                         | Void Ratio       | 0.5342 |
|                         | Diameter, in.    | 2.75   |
|                         | Height, in.      | 5.74   |
| At Test                 | Water Content, % | 19.9   |
|                         | Dry Density, pcf | 109.1  |
|                         | Saturation, %    | 100.0  |
|                         | Void Ratio       | 0.5342 |
|                         | Diameter, in.    | 2.75   |
|                         | Height, in.      | 5.74   |
| Strain rate, in./min.   |                  | 0.06   |
| Back Pressure, psi      |                  | 0.00   |
| Cell Pressure, psi      |                  | 3.00   |
| Fail. Stress, tsf       |                  | 1.97   |
| Strain, %               |                  | 4.8    |
| Ult. Stress, tsf        |                  |        |
| Strain, %               |                  |        |
| $\sigma_1$ Failure, tsf |                  | 2.18   |
| $\sigma_3$ Failure, tsf |                  | 0.22   |

**Type of Test:**

Unconsolidated Undrained

**Sample Type:** Undisturbed

**Description:** Red Silty Clay with Pebbles

7/26/2023

2C Shear Failure

**Assumed Specific Gravity=** 2.68

**Remarks:**

**Client:**

**Project:** Robertsedale High School Additions

**Sample Number:** B-6, T-1      **Depth:** 3-5

**Proj. No.:** 23-181

**Date Sampled:**

TRIAXIAL SHEAR TEST REPORT  
Geotechnical Engineering-Testing, Inc.  
Mobile, AL

**Figure** \_\_\_\_\_

**Tested By:** BJ \_\_\_\_\_

## **07260 – UNDER SLAB VAPOR BARRIER (Gymnasium Foundation)**

### **PART 1 – GENERAL**

#### **1.1 SUMMARY**

- A. Products supplied under this section:
  - 1. Vapor barrier and installation accessories for installation under concrete slabs.
- B. Related sections:
  - 1. Section 03 30 00 Cast-in-Place Concrete
  - 2. Section 07 26 00 Vapor Retarders

#### **1.2 REFERENCES**

- A. ASTM International:
  - 1. ASTM E1745-17: Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill Under Concrete Slabs.
  - 2. ASTM E1643-18a: Selection, Design, Installation, and Inspection of Water Vapor Retarders Used in Contact with Earth or Granular Fill Under Concrete Slabs.
- B. Technical Reference - American Concrete Institute (ACI):
  - 1. ACI 302.2R-06: Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials.
  - 2. ACI 302.1R-15: Guide to Concrete Floor and Slab Construction.

#### **1.3 SUBMITTALS**

- A. Quality control/assurance:
  - 1. Summary of test results per paragraph 9.3 of ASTM E1745.
  - 2. Manufacturer's samples and literature.
  - 3. Manufacturer's installation instructions for placement, seaming, penetration prevention and repair, and perimeter seal per ASTM E1643.
  - 4. All mandatory ASTM E1745 testing must be performed on a single production roll per ASTM E1745 Section 8.1.
  - 5. Contact vapor barrier manufacturer to schedule a pre-construction meeting and to coordinate a review, in-person or digital, of the vapor barrier installation.
  - 6. Vapor barrier manufacturer must warrant in writing (a) compliance with the designated ASTM E1745 classification, and (b) no manufacturing defects in the product for, at least, the Life of the Building.
  - 7. Manufacturer verify in writing 20 years in the industry with no reported product failures.

### **PART 2 - PRODUCTS**

#### **2.1 MATERIALS**

- A. Vapor barrier shall have all the following qualities:
  - 1. Maintain permeance of less than 0.01 Perms [grains/(ft<sup>2</sup> · hr · inHg)] as tested in accordance with mandatory conditioning tests per ASTM E1745 Section 7.1 (7.1.1-7.1.5).
  - 2. Other performance criteria:
    - a. Strength: ASTM E1745 Class A.
    - b. Thickness: 15 mils minimum

3. Provide third party documentation that all testing was performed on a single production roll per ASTM E1745 Section 8.1
- B. Vapor barrier products:
  1. Basis of Design: Stego Wrap Vapor Barrier (15-mil) by Stego Industries LLC., (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
  2. Vaporguard by Reef Industries, 713-507-4250. [www.reefindustries.com](http://www.reefindustries.com) .  
Moistop Ultra 15 by Fortifiber 1-800-773-4777 [www.buildsite.com](http://www.buildsite.com).

## 2.2 ACCESSORIES

- A. Seams:
  1. Stego Tape by Stego Industries LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
- B. Sealing Penetrations of Vapor barrier:
  1. Stego Mastic by Stego Industries LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
  2. Stego Tape by Stego Industries LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
- C. Perimeter/terminated edge seal:
  1. Stego Crete Claw (textured tape) by Stego Industries LLC,
  2. Stego Term Bar by Stego Industries LLC, (877) 464-834; [www.stegoindustries.com](http://www.stegoindustries.com).
  3. StegoTack Tape (double-sided sealant tape) by Stego Industries LLC, (877) 464-834 [www.stegoindustries.com](http://www.stegoindustries.com).
  4. One-sided seaming tape is not a recommended method of sealing at the terminated edge.
- D. Penetration Prevention:
  1. Beast Foot by Stego Industries LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).
- E. Vapor Barrier-Safe Hand Screed System
  1. Beast Screed by Stego Industries, LLC, (877) 464-7834 [www.stegoindustries.com](http://www.stegoindustries.com).

## PART 3 - EXECUTION

### 3.1 PREPARATION

- A. Ensure that subsoil is approved by Architect or Geotechnical Engineer.
  1. Level and compact base material.
- B. Contact vapor barrier manufacturer to schedule a pre-construction meeting and to coordinate a review, in-person or digital, of the vapor barrier installation.

### 3.2 INSTALLATION

- A. Install vapor barrier in accordance ASTM E1643.
  1. Unroll vapor barrier with the longest dimension parallel with the direction of the concrete placement and face laps away from the expected direction of the placement whenever possible.
  2. Extend vapor barrier to the perimeter of the slab. If practicable, terminate it at the top of the slab, otherwise (a) at a point acceptable to the structural engineer or (b) where obstructed by impediments, such as dowels, water stops, or any other site condition requiring early termination of the vapor barrier. At the point of termination, seal vapor barrier to the foundation wall, grade beam or slab itself. **Note: The perimeter seal can be handled several ways. When sealing to the slab, textured tape is the best option. When sealing to a stem wall or wall, the best option is to use double-sided tape or both double-sided tape and a termination bar.**

- a. Seal vapor barrier to the entire slab perimeter using manufacturer's textured tape with a surface that creates a mechanical seal to freshly-placed concrete, per manufacturer's instructions.

**OR**

- b. Seal vapor barrier to the entire perimeter wall or footing/grade beam with manufacturer's double-sided tape, or both termination bar and double-sided tape, per manufacturer's instructions. Ensure the concrete is clean and dry prior to adhering tape.
3. Overlap joints 6 inches and seal with manufacturer's seam tape.
4. Apply seam tape/textured tape/double-sided tape to a clean and dry vapor barrier.
5. Seal all penetrations (including pipes) per manufacturer's instructions.
6. Avoid the use of stakes driven through vapor barrier by utilizing screed and forming systems that will not leave punctures in the vapor barrier.
7. Repair damaged areas with vapor barrier material of similar (or better) permeance, puncture and tensile.

**END OF SECTION**

## SECTION 09624 – SYNTHETIC SPORTS FLOOR SYSTEM

### PART 1 - GENERAL

#### 1.1 DESCRIPTION

##### A. Related Documents

1. Drawings and general provisions of Contract including General and Supplementary conditions and Division 1 Specification sections apply to work of this section.

##### B. Scope

1. The complete installation of polyurethane surfacing over high-performance resilient base mat including adhesives, resilient base mat, polyurethane sealer, polyurethane structure layer, surface topcoat, and court markings.

##### C. Related work specified under other sections.

1. Concrete and Concrete Finishing .....Section 03300
  - a. Concrete Slab Depression: a total of 9 mm, equal to system thickness, (0.3543 inches).
  - b. Surface Finish: steel troweled and finished smooth.
  - c. Concrete Tolerance: 1/8" (3mm) in radius of 10' (3m). Floor Flatness and Floor Levelness (FF and FL) numbers are not recognized.
  - d. **NO CURING AGENTS OR SEALERS ARE TO BE APPLIED TO THE CONCRETE SLAB.**
2. Bituminous Dampproofing .....Section 07115
3. Under Slab Vapor Barrier.....Section 07260
  - a. Concrete subfloors on or below grade shall be adequately waterproofed beneath the slab and at the perimeter walls and on the earth side of below grade walls by general contractor using suitable type membrane.
  - b. Sand-Poly-Sand slab construction **is not** an acceptable construction.
4. Thresholds .....Section 08700
5. Game Standard Inserts .....Section 11480

#### 1.2 QUALITY ASSURANCE

##### A. Floor System Supplier Qualifications

1. Supplier shall be an established firm experienced in field and have been in business for a minimum of ten (10) years.
2. Formulator shall be ISO-9001 certified for quality control, and ISO-14001 certified for environmental care, and provide copy of Certification document upon request.

##### B. Floor Contractor/Installer Qualifications and Certifications

1. Floor Contracting Company and field personnel shall be trained by supplier on proper installation and finishing process.

##### C. System Industry Approvals

1. Floor system shall be approved by F.I.B.A. (International Basketball Federation) and provide copy of Approval upon request.
2. Floor system shall be approved by I.H.F. (International Handball Federation) and provide copy of Approval upon request.

D. System Technical Data:

| <b>Technical Data</b>                  |                                   |                 |                |
|--|-----------------------------------|-----------------|----------------|
| <b>Character</b>                       | Point-elastic                     |                 |                |
| <b>Classification</b>                  | n/a                               |                 |                |
| <b>Nominal thickness</b>               | 9 mm                              | (0.3543 inches) |                |
| <b>Shock Absorption</b>                | 20%                               |                 | EN 14808       |
| <b>Shock Absorption</b>                | (29%)                             |                 | (DIN 18032-91) |
| <b>Vertical Deformation</b>            | 1.0 mm                            |                 | EN 14809       |
| <b>Linear Friction (dry)</b>           | 98                                |                 | EN 13036-4     |
| <b>Linear Friction (damp)</b>          | 0.3                               |                 | Leroux         |
| <b>Ball Bounce</b>                     | 98 %                              |                 | EN 12235       |
| <b>Gloss</b>                           | 3%                                |                 | EN 2813        |
| <b>Resistance to rolling load</b>      | ≥1500 N                           |                 | EN 1569        |
| <b>Resistance to impact</b>            | ≥800 gr @ 10°C                    |                 | EN 1517        |
|  | ≥1200 gr @ 17°C                   |                 | EN 1517        |
| <b>Resistance to indentation</b>       | 0.35 mm @ 5 min                   |                 | EN 1516        |
|  | 0.15 mm @ 24 hrs                  |                 | EN 1516        |
| <b>Resistance to wear</b>              | 150 mg                            |                 | EN ISO 2813    |
| <b>Flammability</b>                    | Bfl-S1                            |                 | EN 13501-1     |
| <b>V.O.C. content - Adhesive</b>       | Solvent free                      |                 |                |
| <b>V.O.C. content - Topcoat</b>        | 0.01 gr/lit (EU)                  |                 | 2004/42/EG     |
|  | 45 gr/lit (US)                    |                 | ASTM D 3960    |
| <b>Adhesive composition</b>            | Free of solvents and heavy metals |                 |                |
| <b>Resin composition</b>               | Free of solvents and heavy metals |                 |                |
| <b>Elongation at break - Structure</b> | 150%                              |                 | DIN 53455      |
| <b>Tensile Strength - Structure</b>    | 8 N/mm <sup>2</sup>               | (1,160 psi)     | DIN 53455      |
| <b>Tear Strength - Structure</b>       | 25 N/mm                           | (142 pli)       | DIN 53455      |
| <b>Colour fastness</b>                 | 8 (excellent)                     |                 | DIN 54004      |

### 1.3 SUBMITTALS

A. Manufacturer's Product Data

1. Submit three (3) Synthetic Sports Floor System specification sheets.

B. Concrete Guidelines

1. Submit three (3) copies of Recommendations for correct preparation, finishing and testing of concrete subfloor surfaces to receive to receive granulated base mat and polyurethane floor system.

C. Samples

1. Submit one (1) sample Synthetic Sports Floor System
2. Submit one (1) Topcoat Standard Color Chart
3. Submit one (1) Linepaint Color Chart

Maintenance Literature

4. Submit copy of **Pulastic** Maintenance Instructions.

D. References

1. Submit Letter attesting that Floor Contractor and Field Personnel have been properly trained to perform work per specifications and contract.
2. Reference list of three individual for whom installer has worked on projects of similar size and magnitude.

### 1.4 DELIVERY, STORAGE AND HANDLING

A. Delivery of Materials

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1. Material shall not be delivered or installed until all masonry, painting, plastering, tile work, marble and terrazzo work are completed and all overhead mechanical work, lighting, backstops, scoreboards are installed. Room temperature shall be at least 55 degrees Fahrenheit, and ambient relative humidity shall be 75% or less. In-slab relative humidity shall be 85% or less.
2. Area where materials are to be stored should be maintained at least 55 degrees Fahrenheit and under 75% relative humidity by the General Contractor.

#### **1.5 JOB CONDITIONS-SEQUENCY**

- A. Do not install floor system until concrete has been cured 60 days and the requirements in paragraph 1.01 and 1.04 are obtained.
- B. General Contractor is responsible to ensure slab is clean and free of all dirt and debris prior to floor installation beginning.
- C. Permanent heat, light and ventilation shall be installed and operating during and after installation. Environmental temperatures must average a minimum of 65 degrees Fahrenheit for one full week proceeding, throughout, and 72 hours following application.
- D. After floors are finished, it is the responsibility of the general contractor to protect the floor system and surface from damage by other trades before acceptance by the Owner or his agent.

#### **1.6 GUARANTEE**

- A. Synthetic sports floor system shall warrant the floor system material to be free from manufacturing defects for a period of 25 years. This warranty is in lieu of all other warranties, expressed or implied including but not limited to any warranty of merchantability or fitness for a particular purpose, and of any other obligations on the part of the manufacturer.

### **PART 2 - PRODUCTS**

#### **2.1 MATERIALS**

##### **A. MANUFACTURER**

1. The following manufacturers' products have been used to establish minimum standards for materials, workmanship and function:
  - a. Robbins PULASTIC CLASSIC 90 (Basis of Design)
  - b. SIKA
  - c. Padenpour

##### **B. MATERIALS**

1. Adhesive
  - a. Pulastic Tacly Adhesive: a two-component polyurethane adhesive
2. Shock Pad
  - a. Shock Pad, a granulated rubber/polyurethane mat 7.0 mm thick.
3. Pad Sealer
  - a. Pulastic EG Sealer: a two-component polyurethane sealer
4. Polyurethane Resin
  - a. Pulastic GM1500 Compound: a pigmented two-component polyurethane resin
5. Coating
  - a. Pulastic Coating 221W: a pigmented, two-component, water-dispersed polyurethane surface coating.

- i. Color Options: Architect to select **Topcoat color from following standard colors after bid date.**
  - a) Wood Grain Plank
  - b) Wood Grain Pattern
  - c) 401 Lime Green
  - d) 417 May Green
  - e) 400 Green Oxide
  - f) 407 Turquoise Mint
  - g) 205 Sand Beige
  - h) 800 Yellow Ochre
  - i) 106 Autumn Brown
  - j) 100 Red Oxide
  - k) 307 Pastel Blue
  - l) 308 Pigeon Blue
  - m) 306 Steel Blue
  - n) 305 Sky Blue
  - o) 309 Capri Blue
  - p) 504 Stone Grey
  - q) 506 Dusty Grey
  - r) 507 Iron Grey

6. Game line Paint

- a. Pulastic Linepaint: a pigmented, two-component polyurethane paint.
  - i. Color Options: **Architect to select Court Marking colors from following standard colors after bid date.**
    - a) Black
    - b) Light Grey (504)
    - c) White
    - d) Light Blue
    - e) Signal Blue
    - f) Dark Blue
    - g) Lilac
    - h) Ruby Red
    - i) Red Orange
    - j) Pastel Orange
    - k) Yellow
    - l) Light Green (401)
    - m) Dark Green (400)
    - n) Dark Brown (106)
    - o) Light Brown

## **PART 3 - EXECUTION**

### **3.1 INSPECTION**

- A. Inspect concrete slab for proper levelness tolerance, dryness, and possible contamination, (see Part 1 –Sec 1.01 and Sec. 1.04) and report any discrepancies to the general contractor and architect in writing.
- B. All work required to put the concrete subfloors in acceptable condition shall be the responsibility of the general contractor.
- C. Subfloor shall be broom cleaned by general contractor.
- D. General Contractor will notify the flooring installation company to proceed with the installation after concrete slab specifications are met.
- E. Installer shall perform tests for moisture and adhesion prior to application and report adverse conditions to the general contractor in writing.
- F. Installer shall document all working conditions provided in General Specifications prior to commencement of installation.

### **3.2 INSTALLATION**

- A. Execution
  - 1. Shock Pad
    - a. Mix two-component Tacky Adhesive according to supplier's instructions and spread adhesive using notched trowel.
    - b. Unroll polyurethane/rubber granulated base mat into freshly applied adhesive. Seams shall be in virtual contact with absence of compression fit. Roll surface of base mat with a medium-size roller.
  - 2. Sealer
    - a. Mix two-component EG Sealer according to supplier's instructions and spread sealer over base mat using a straight trowel. Allow to cure minimum 12 hours before proceeding.
  - 3. Structure Layer
    - a. Mix two-component ROBBINS PULASTIC GM1500 pigmented polyurethane resin and spread over EG Sealer according to supplier's instructions. Allow to cure minimum 12 hours before proceeding.
    - b. Mix two-component ROBBINS PULASTIC GM1500 pigmented polyurethane resin and apply at proper thickness according to supplier's instructions. Allow to cure minimum 12 hours before proceeding.
  - 4. TopCoat
    - a. Mix two-component ROBBINS PULASTIC Coating 221W and apply using ROBBINS PULASTIC lambswool roller(s) according to suppliers instructions. Allow 24 to 48 hours curing time before proceeding.
  - 5. Gamelines
    - a. Mix two-component ROBBINS PULASTIC PU-Linepaint according to supplier's instructions.
    - b. Line painting should be in accordance with supplier's directions.
    - c. Color of court markings shall be chosen from ROBBINS PULASTIC PU-Linepaint standard colors.

- d. Consult architectural drawings for game line locations and chosen colors.
- B. Perimeter Molding:
  - 1. Install a rubber base, anchored to the walls with standard base cement.

### **3.3 CLEANING**

- A. Clean up all unused materials and debris and remove from the premises. Dispose of empty containers in accordance with federal and local regulations.

### **3.4 PROTECTION**

- A. Cure Time
  - 1. No traffic or other trades shall be allowed on the surface for a period of one week following completion to allow for complete and proper cure of the finish.
- B. Other Trades
  - 1. It shall be the responsibility of the general contractor to protect the surface from damage by other trades before acceptance by the owner or the owner's authorized agent.
- C. Safety
  - 1. No smoking, open flames or sparks from electrical equipment or any other source shall be permitted during the installation process, or in areas where materials are stored

**END OF SECTION**

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# Additions to Robertsdale High School for the Baldwin County Board of Education Bay Minette, Alabama

**MCKEE PROJECT NO. 23.195**

### **DIVISION 10      SPECIALTIES**

|       |  |
|-------|--|
| 10100 | Markable Boards and Tack Boards              |
| 10160 | Toilet Partitions                            |
| 10350 | Flagpole                                     |
| 10410 | Identifying Devices                          |
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| 10500 | Lockers                                      |
| 10501 | Lockers                                      |
| 10531 | Aluminum Hanger Rod Canopy                   |
| 10670 | Athletic and Band Storage Units              |
| 10800 | Toilet Accessories                           |

### **DIVISION 11      EQUIPMENT**

|       |                     |
|-------|---------------------|
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|       |                                  |
|-------|----------------------------------|
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| 12500 | Window Treatments                |
| 12661 | Telescopic Bleachers             |

### **DIVISION 13      SPECIAL CONSTRUCTION**

|       |                                 |
|-------|---------------------------------|
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| 13670 | Extruded Aluminum Walkway Cover |

**DIVISION 14 CONVEYING SYSTEM**

NOT APPLICABLE

**DIVISION 15 MECHANICAL**

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|-------|--|
| 15100 | Mechanical General Requirements                |
| 15200 | Testing and Balancing Air Distribution Systems |
| 15400 | Plumbing                                       |
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|-------|----------------------------------|
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| 16820 | Intercom / Sound                 |
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**END OF TABLE OF CONTENTS – VOLUME 2 OF 2**

## SECTION 10500 - LOCKERS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract including General and Supplementary conditions and Division 1 Specification sections apply to work of this section.

#### 1.2 DESCRIPTION OF WORK

- A. Products in this section include the following:
  - 1. Furnish and install factory-assembled Heavy-Duty MIG-Welded Metal Lockers, complete, as shown and specified per contract documents.

#### 1.3 RELATED WORK

- A. Section 03310, Cast-In-Place Concrete.
- B. Section 06100, Rough Carpentry.

#### 1.4 QUALITY ASSURANCE

- A. All lockers shall be factory-assembled, of all MIG welded construction, in multiple column units to meet job conditions. **Assembly of locker bodies by means of bolts, screws, or rivets will not be permitted. Welding of knockdown locker construction is not acceptable.** Grind exposed welds and metal edges flush and make safe to touch.
- B. MANUFACTURING STANDARD: Provide metal lockers that are standard products of a single manufacturer, with interchangeable like parts. Include necessary mounting accessories, fittings, and fastenings.
- C. FABRICATOR QUALIFICATIONS: Firm experience (minimum 5 years) in successfully producing the type of metal lockers indicated for this project, with sufficient production capacity to produce required units without causing delay in the work.
- D. INSTALLER QUALIFICATIONS: Engage an experienced (minimum 2 years) installer who has successfully completed installation of the type of metal lockers and extent to that indicated for this project.
- E. Lockers shall be GREENGUARD Children & Schools Certified<sup>SM</sup>

#### 1.5 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data and installation instructions for metal locker units.
- B. Samples: Submit color samples on squares of same metal to be used for fabrication of lockers.
- C. Shop Drawings: Submit shop drawings for metal lockers, showing locker types, sizes, quantities, Show lockers in detail, method of installation, fillers, trim, base, and accessories. Include locker numbering sequence information.

#### 1.6 PRODUCT HANDLING

- A. GENERAL: All work shall be fabricated in ample time so as to not delay construction process.

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- B. DELIVERY: All materials shall be delivered to the site at such a time as required for proper coordination of the work. Materials are to be received in the manufacturer's original, unopened packages and shall bear the manufacturer's label.
- C. STORAGE: Store all materials in a dry and well ventilated place adequately protected from the elements.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. The following manufacturers' products have been used to established minimum standards for materials, workmanship and functions:
  - 1. List Industries Inc., Superior (Basis of Design); 401 Jim Moran Blvd., Deerfield Beach, Florida 33442; [www.listindustries.com](http://www.listindustries.com); PH: 1.800.776.1342.
  - 2. ASI Storage Solutions; 900 Clary Connector, Eastanollee, Georgia 30538; [www.asistorage.com](http://www.asistorage.com); PH: 706.827.2720.
  - 3. Penco; 1820 Stonhenge Drive, Greenville, NC 27858; [www.pencoproducts.com](http://www.pencoproducts.com); PH: 800.562.1000.
  - 4. LockersMFG | P.O. Box 383258 Germantown, TN 38183 | Ph:901.367.3930 or 901.207.6573. | [www.lockersmfg.com](http://www.lockersmfg.com).

### 2.2 LOCKERS

#### A. ATHLETIC TEAM FULLY FRAMED ALL-WELDED LOCKERS

- 1. Location(s): As indicated on Drawing Sheet **A1.1**
  - a. Single Tier – 18" x 18" x 60" high – Equal to List Industries "Athletic Team Lockers"
- 2. Materials:
  - a. Steel Sheet: All sheet steel used in fabrication shall be prime grade free from scale and imperfections and capable of taking a heavy coat of custom blend powder coat.
  - b. Fasteners: Cadmium, zinc or nickel plated steel; bolt heads, slotless type; self locking nuts or lock washers.
  - c. Hardware: Hooks and hang rods of cadmium plated or zinc plated steel or cast aluminum.
  - d. Handle: Seamless drawn 304 stainless steel recessed handle.
  - a. Number Plates: To be aluminum with not less that 3/8" high etched numbers attached to door with two aluminum rivets. **NOTE: Prior to placing any orders for Number Plates, the General Contractor is responsible for verifying Locker numbering sequence with the Owner.**
- 3. Construction: Fabricate lockers square, rigid, and without warp, with metal faces flat and free of dents or distortion. All lockers shall be factory-assembled, of all MIG welded construction, in multiple column units to meet job conditions. Assembly of locker bodies by means of bolts, screws, or rivets will not be permitted. Welding of knockdown locker construction is not acceptable. Grind exposed welds and metal edges flush and make safe to touch.
- 4. Frame / Vertical Side panels: Shall be of 13 gauge ½" flattened expanded metal framed by 16 gauge Hollow "T" tubular sections and channel frame members designed to enclose all

- four edges of the side panel with the entire assembly MIG welded to form a rigid frame for each locker. The channel frame members are welded to the front and rear vertical frame members to create an anchor bearing surface of 1-1/4 inches wide x the depth of the locker at each side panel. Note: Diamond perforated sheet steel or 3/4" expanded metal will NOT be accepted.
5. Integral Frame Locker base: At Single Tier Lockers (See Drawings for Concrete Base for double Tier Lockers).
  6. Wardrobe Doors: Doors 20" high and over and 15" wide and under are to be fabricated from single sheet prime 14 gauge with single bends at top and bottom and double bends at the sides. The channel formed by the double bend at the latch side is designed to fully conceal the lock bar. Doors for 18" and wider lockers shall include a 3" wide minimum 18 gauge full height channel door stiffener MIG welded to the hinge side of the door as well as to the top and bottom door return bends and spot welded to the inside of door face to form a rigid torque-free box reinforcement for the door. Doors to be perforated with 5/8" x 1-1/2" diamonds.
  7. Latch: The latching mechanism shall be finger lift control type constructed of 14 gauge (minimum) steel with a nylon cover that has a generous finger pull. Lock bar shall be hot dip galvanized and installed after paint to ensure proper paint coverage and lock bar operation. Spring activated nylon slide latches shall be completely enclosed in the lock channel allowing doors to close with the lock in the locked position. Locking device shall be designed for use with either built-in combination locks or padlocks. Latch hooks shall be 11 gauge (minimum) with riveted bumpers and shall be MIG welded to vertical frame member. Provide three latch hooks for doors 48" and over and two for doors under 48".
  8. Handle: Seamless Drawn Locker Handle: All wardrobe doors 20" high and over shall have a seamless drawn not less than 304 stainless steel recessed handle shaped to receive a padlock or built-in combination lock. The recessed handle shall be deep enough to have the lock be completely flush with the outer door face.
  9. Door Hinges: Hinges for wardrobe and side hinged gym doors shall not be less than 3-1/2" long 13 gauge seven knuckle pin type, securely riveted to frame and welded to the door. Doors are to be secured to frame with a minimum of two tamper resistant rivets per hinge. Provide 3 hinges for doors 48" and higher and 2 for doors shorter than 48". All doors shall be right hand side hinged except top hinged gym doors as noted above. Top hinged gym doors shall be hinged using a 3/16" diameter continuous hinge rod completely recessed into the door with a concealed fastener.
  10. Flat Tops: Shall be formed of one piece of 16 gauge cold rolled sheet steel and shall be an integral part MIG welded to each vertical side panel frame member and be continuous to cover the full width of a multiple framed locker unit.
  11. Hat Shelves, Intermediate Shelves And Bottoms: Shall be 16 gauge galvanized sheet steel, have double bends at front and shall engage slots in the Hollow "T" vertical frame members at all four corners and be securely welded to the frame and side. Locker bottom shelf located less than 2" above floor level will not be acceptable.
  12. Backs: Shall be 18 gauge cold rolled sheet steel, be continuous to cover a multiple framed unit and be welded to each vertical side panel frame member.
  13. Finishing: All locker parts to be cleaned and coated after fabrication with a seven stage zinc/iron phosphate solution to inhibit corrosion, followed by a coat of high grade custom blend powder electrostatically sprayed and baked at 350 degrees Fahrenheit for a minimum of 20 minutes to provide a tough durable finish.

- a. **Color to be selected by Architect from manufacturer's standard list of colors.** Two-Tone Color Combination: Shall be at no additional cost with the locker body, frame and trim chosen from one color and the doors may be one of any other color chosen from manufacturers standard selection.
14. Equipment: Furnish each locker with the following items, unless otherwise shown.
- a. Single tier lockers: Openings 60" and 72" shall include one galvanized hat shelf, one double prong ceiling hook and a minimum of two single prong wall hooks.
  - b. Double and Triple tier lockers: Openings 20" thru 36" high shall include one double prong ceiling hook and a minimum of two single prong wall hooks.
  - c. Finished End Panels (If required): Shall be "Boxed" type formed from 16 gauge cold rolled steel with 1" O.D. double bends on sides and a single bend at top and bottom with no exposed holes or bolts. If lockers have slope tops, end panels must be formed with slope at top to cover the ends of the slope tops. Finished to match lockers. Provide at all exposed ends.
  - d. Continuous Slope Tops: Not less than 18 gauge sheet steel approximately 18 degrees pitch, in lengths as long as practical but not less than four lockers. To be installed in addition to the locker flat top with end closures for support. Finished to match lockers.
  - e. Fillers (if required): Provide where indicated, of not less than 16 gauge sheet steel, factory fabricated and finished to match lockers.
15. LOCKS:
- a. Not Required.
16. Lifetime Warranty: Lockers shall be covered against all defects in materials and workmanship excluding finish, damage resulting from deliberate destruction and vandalism under this section for the lifetime of the facility.

## **PART 3 - EXECUTION**

### **3.1 PREPARATION**

- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication of special components, when possible, to ensure proper fitting of work. However, allow for adjustment and fitting of trim and filler panels wherever taking of field measurements before fabrication might delay work.

### **3.2 INSTALLATION**

- A. Install metal lockers at locations shown in accordance with manufacturer's instructions for plumb, level, rigid, and flush installation.
- B. Space fastenings about 48" o.c., unless otherwise recommended by manufacturer, and apply through back-up reinforcing plates where necessary to avoid metal distortion; conceal fasteners insofar as possible.
- C. Install trim, and metal filler panels where indicated, using concealed fasteners to provide flush, hairline joints against adjacent surfaces.

### **3.3 ADJUST AND CLEAN**

Additions to Robertsedale  
High School for the  
Baldwin County Board of Education  
Bay Minette, Alabama

LOCKERS  
10500-4  
Revised 11.27.23

- A. Adjust doors and latches to operate easily without binding. Verify that integral locking devices are operating properly.
- B. Touch up marred finishes but replace units which cannot be restored to factory-finished appearance. Use only materials and procedures recommended of furnished by locker manufacturer.

**END OF SECTION**

## SECTION 11200 - BATTING CAGES

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.

#### 1.2 DESCRIPTION OF WORK

- A. Extent of batting cages equipment is shown on drawings.
- B. General Scope: Provide system complete and ready for use, including standards, nets, cable, hooks, ropes, etc.
- C. Equipment shall be unloaded from transporters and installed by equipment manufacturers or their authorized agent.

#### 1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's product data, specifications, installation, and maintenance instructions for each type of equipment required.
  - 1. Provide templates for anchor bolts and other items encased in concrete or below finished surfaces in time to not delay work.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. The following manufacturers' products have been used to establish minimum standards for materials, workmanship and function:
  - 1. PSS Performance Sports Systems./Gared Holdings, LLC.; 9200 E. 146<sup>th</sup> St., Noblesville, IN 46060; p. 800-757-6081; [www.perfsports.com](http://www.perfsports.com)
- 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. BATTING CAGE
  - 1. 4080-70 – Indoor Multi-Sport Cage Model 4080 Multi Sport Cage: Electrically operated cage including motor, cables, controls, clamps for attachment to building structure, threaded rod supports, and other components required for complete functional installation
  - 2. Quantity: **3 Batting Cage Systems Total**
- B. Components:
  - 1. OVERHEAD SUPERSTRUCTURE:
    - a. The batting cage is supported from the roof structure by directly attaching to the underneath side of the roof truss or by attaching to Uni-strut, 4/O Chain, or 3 ½" O.D. horizontal and 2 3/8" O.D. vertical structural tubing supplied by the manufacture. Bridge pipe will be required when truss spans exceed 14'. Superstructure shall be furnished with standard black finish.
  - 2. NET MATERIAL
    - a. Cage net shall be model 4087, 12'-0" [3.66 m] high x 12'-0" [3.66 m] wide by 70' [21.3 m] long. An additional 12" [3.66 m] of net shall drape on the floor preventing balls from going under the cage. Net shall be constructed with #252 black knotted nylon with 3/4" [19 mm] square mesh and shall be capable of stopping a baseball, softball and golf ball. Entrance shall be through an overlapping net opening on each end. This feature shall allow one sidewall to be opened for use as a golf cage. Contact factory for special sizes

BATTING CAGES  
11200-1

and materials.

### 3. DRIVE / SUPPORT STRUCTURE

- a. The model 4080-70 Multi-Sport Cage shall be operated by an electric curtain hoist, model 4102. Hoist is available in various voltages and frequencies. Hoist shall be driven by an instant reversing,  $\frac{3}{4}$  horsepower, electric gear-motor that is controlled with a key switch and integral limit switches.
- b. Curtain hoist shall drive a continuous 2-3/8"[60 mm] O.D. drive shaft. The cage shall be lifted by means of 1/8" [3 mm] galvanized aircraft cable rated at 2000 lbs [907 kg] breaking strength. Lift cables shall be spaced at no greater than 12'-0" [3.66 m] center to center. Each cable shall be taken up on individual aluminum spools located on the drive shaft.
- c. The drive shaft shall be supported by a carrier assembly spaced no greater than 12'-0" [3.66 m] center to center. The carrier shall consist of a formed bracket with two rubber wheels on which the drive shall rotate.
- d. Cage support frame shall be constructed of 1.9" O.D. steel tubing. Support frame shall be furnished with standard black powder coat finish. Optional colors available. The support frame may be lowered to the floor while placing the four sides of netting on top of the frame to allow for compact storage.
- e. The top of the cage net shall be suspended approximately 6" [152 mm] below the cage support frame.

### 4. CONTROLS

- a. Provide key lock, 3-position, momentary contact wall control switch to lower, raise, and stop gymnasium practice cage. Provide with switch box and stainless steel polished cover plate.
- b. Safety delay: Provide safety delay for motor such that when key is turned in opposite direction of curtain travel, motor shut offs momentarily and then reverses to opposite direction.

## 2.3 WARRANTY

- A. Warranted against defects in material and/or fabrication for 12 months from the date of delivery.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. General: Install equipment in accordance with manufacturer's instructions and placement drawings.
- B. Coordinate placement of anchors and accessories.

### END OF SECTION

## Victor Hunt

---

**From:** Jaye Robertson <jrobertson@sawgrassllc.com>  
**Sent:** Wednesday, November 15, 2023 6:05 PM  
**To:** Victor Hunt  
**Subject:** Fwd: RHS FLOOR PLAN & UTILITY CONNECTION LAYOUT PDF

Victor,  
Please see the email below for water and sewer tap fees.

Thanks,

Jaye Robertson, P.E.  
Sawgrass Consulting, LLC  
30673 Sgt. E.I. "Boots" Thomas Drive  
Spanish Fort, Alabama 36527  
O: (251) 544-7900  
[jrobertson@sawgrassllc.com](mailto:jrobertson@sawgrassllc.com)



Begin forwarded message:

**From:** gregsmith@robertsdale.org  
**Date:** November 15, 2023 at 4:40:32 PM CST  
**To:** Brent Tomes <btomes@sawgrassllc.com>  
**Cc:** Jaye Robertson <jrobertson@sawgrassllc.com>  
**Subject:** RE: RHS FLOOR PLAN & UTILITY CONNECTION LAYOUT PDF

Brent,

The tap fees for the Proposed RHS Addition are as follows:

Water – 16 Toilets = 8 Taps @ \$1,400 each = \$11,200  
Sewer – 16 Toilets = 8 Taps @ \$1,825 each = \$14,600

The plans show the contractor connecting to existing services and extending new building, so there are no Aid-to-Construct fees for Water or Sewer.

Thanks!

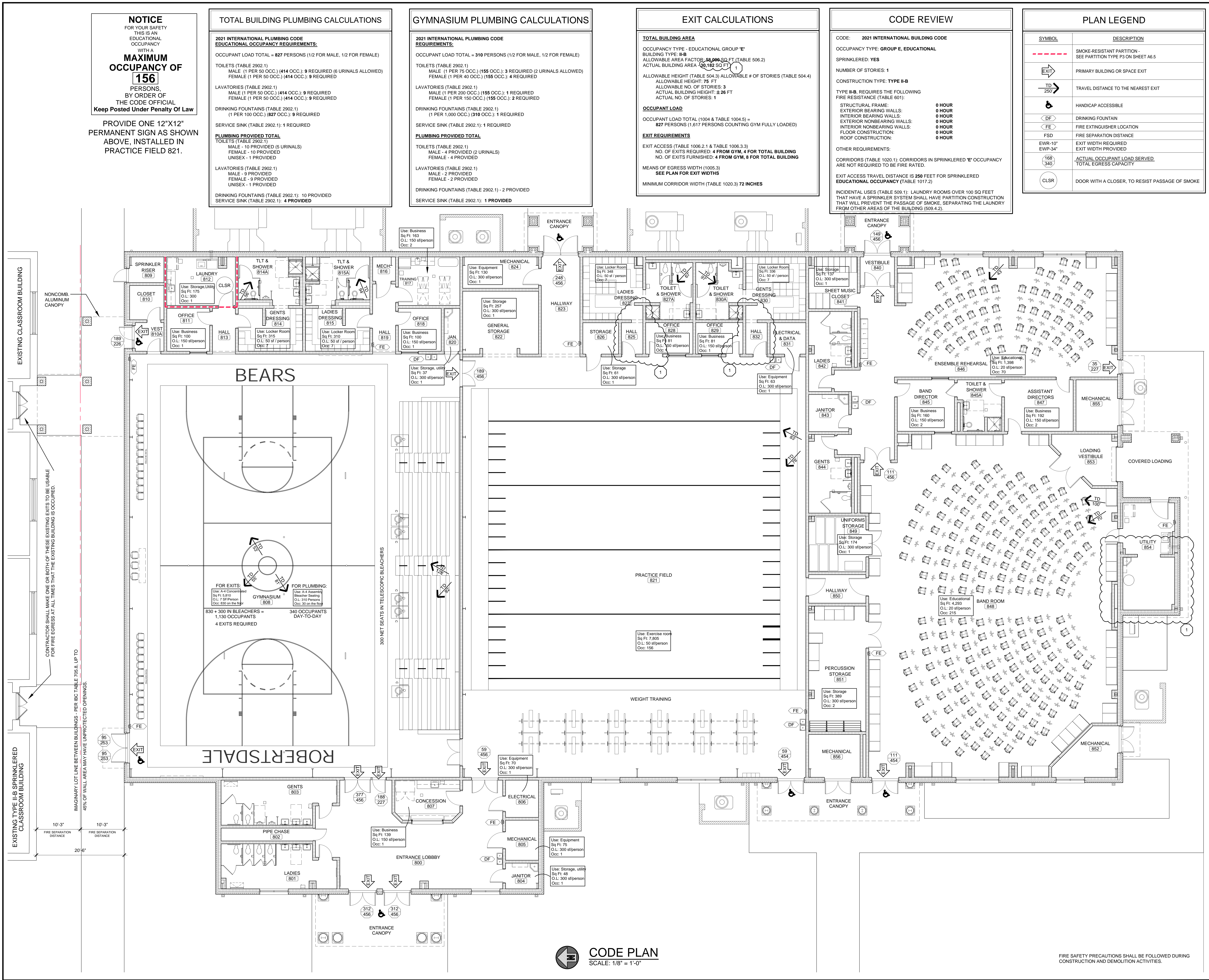
Gregory B. Smith, PE  
City Engineer

(251) 947-8955

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**From:** Brent Tomes <btomes@sawgrassllc.com>  
**Sent:** Wednesday, November 15, 2023 3:14 PM  
**To:** gregsmith@robertsdale.org

- Z:\2023\23-195 Additions to Robertsdale High School\CAD Drawings\Architectural--G1.1 Code Plan.dwg  
- Friday, November 17, 2023 10:38:01 AM



ADDITIONS

TO  
ROBERTSDALE HIGH SCHOOL

ROBERTSDALE, ALABAMA  
FOR THE

**MCKEE & ASSOCIATES**  
ARCHITECTS, INC.  
631 SOUTH HILL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9033



SHEET TITLE : CODE PLAN

MCKEE JOB # : 23-195

DRAWN BY : VH

DATE: 10-11-2023

REVISED DATE: 1 11-17-2023

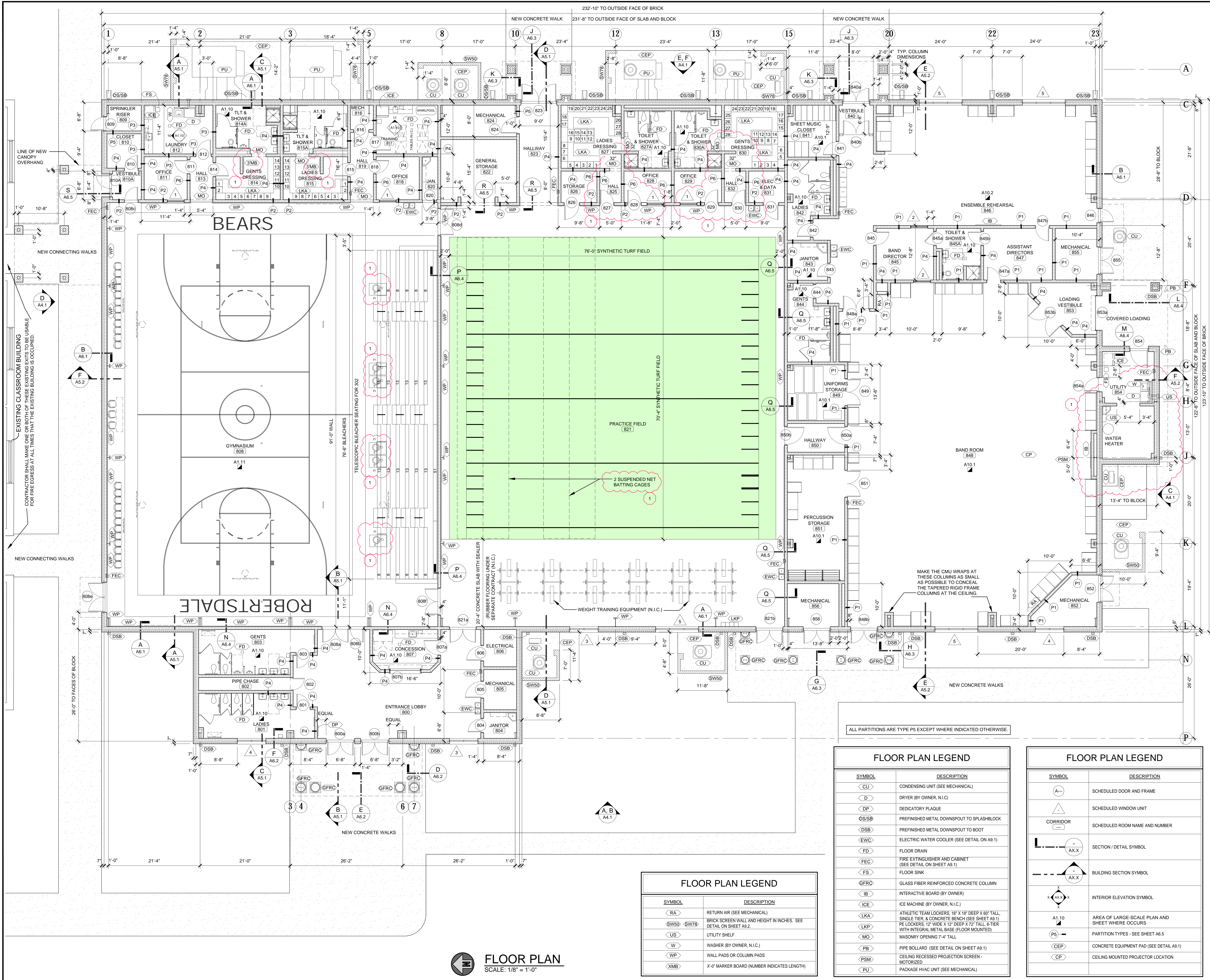
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REVISED DATE:

SHEET NO. : G1.1

FIRE SAFETY PRECAUTIONS SHALL BE FOLLOWED DURING  
CONSTRUCTION AND DEMOLITION ACTIVITIES.

- Z:\2023\23-195 Additions to Robertsdale High School\CAD Drawings\Architectural\A1.1 Floor Plan.dwg  
- Friday, November 17, 2023 10:40:25 AM



| FLOOR PLAN LEGEND |   |
|-------------------|---|
| SYMBOL            | DESCRIPTION   |
| <RA>              | RETURN AIR (SEE MECHANICAL)                                       |
| <SW50> <SW78>     | BRICK SCREEN WALL AND HEIGHT IN INCHES. SEE DETAIL ON SHEET A9.2. |
| <US>              | UTILITY SHELF   |
| <W>               | WASHER (BY OWNER, N.I.C.)   |
| <WP>              | WALL PADS OR COLUMN PADS  |
| <XMB>             | X-0" MARKER BOARD (NUMBER INDICATES LENGTH)                       |

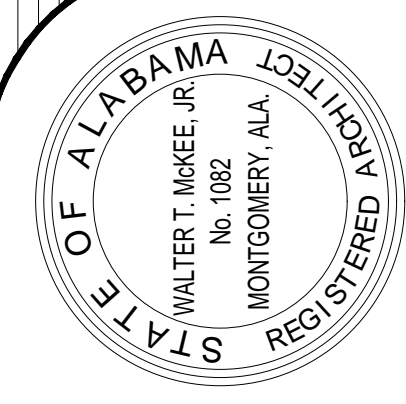
| FLOOR PLAN LEGEND |  |
|-------------------|--|
| SYMBOL            | DESCRIPTION  |
| <CU>              | CONDENSING UNIT (SEE MECHANICAL)   |
| <D>               | DRYER (BY OWNER, N.I.C.)   |
| <DP>              | DEDICATORY PLAQUE  |
| <OS/SB>           | PREFINISHED METAL DOWNSPOUT TO SPLASHBLOCK   |
| <DSB>             | PREFINISHED METAL DOWNSPOUT TO ROOF  |
| <EWC>             | ELECTRIC WATER COOLER (SEE DETAIL ON A8.1)   |
| <FD>              | FLOOR DRAIN  |
| <FEC>             | FIRE EXTINGUISHER AND CABINET (SEE DETAIL ON SHEET A9.1)   |
| <FS>              | FLOOR SINK   |
| <GFRC>            | GLASS FIBER REINFORCED CONCRETE COLUMN   |
| <IB>              | INTERACTIVE BOARD (BY OWNER)   |
| <ICE>             | ICE MACHINE (BY OWNER, N.I.C.)   |
| <LKA>             | ATHLETIC TEAM LOCKERS, 18" X 18" DEEP X 60" TALL, SINGLE TIER, & CONCRETE BENCH (SEE SHEET A9.1) |
| <LKP>             | PE LOCKERS, 12" WIDE X 12" DEEP X 72" TALL, 6-TIER WITH INTEGRAL METAL BASE (FLOOR MOUNTED)      |
| <MO>              | MASONRY OPENING 7'-4" TALL   |
| <PB>              | PIPE BOLLARD (SEE DETAIL ON SHEET A8.1)  |
| <PSM>             | CEILING RECESSED PROJECTION SCREEN - MOTORIZED   |
| <PU>              | PACKAGE HVAC UNIT (SEE MECHANICAL)   |

| FLOOR PLAN LEGEND |   |
|-------------------|---|
| SYMBOL            | DESCRIPTION                                     |
| A---              | SCHEDULED DOOR AND FRAME                        |
| △                 | SCHEDULED WINDOW UNIT                           |
| CORRIDOR          | SCHEDULED ROOM NAME AND NUMBER                  |
| L                 | SECTION / DETAIL SYMBOL                         |
| AX.X              | BUILDING SECTION SYMBOL                         |
| AX.X              | INTERIOR ELEVATION SYMBOL                       |
| A1.10             | AREA OF LARGE-SCALE PLAN AND SHEET WHERE OCCURS |
| PS                | PARTITION TYPES - SEE SHEET A6.5                |
| <CEP>             | CONCRETE EQUIPMENT PAD (SEE DETAIL A9.1)        |
| <CP>              | CEILING MOUNTED PROJECTOR LOCATION              |

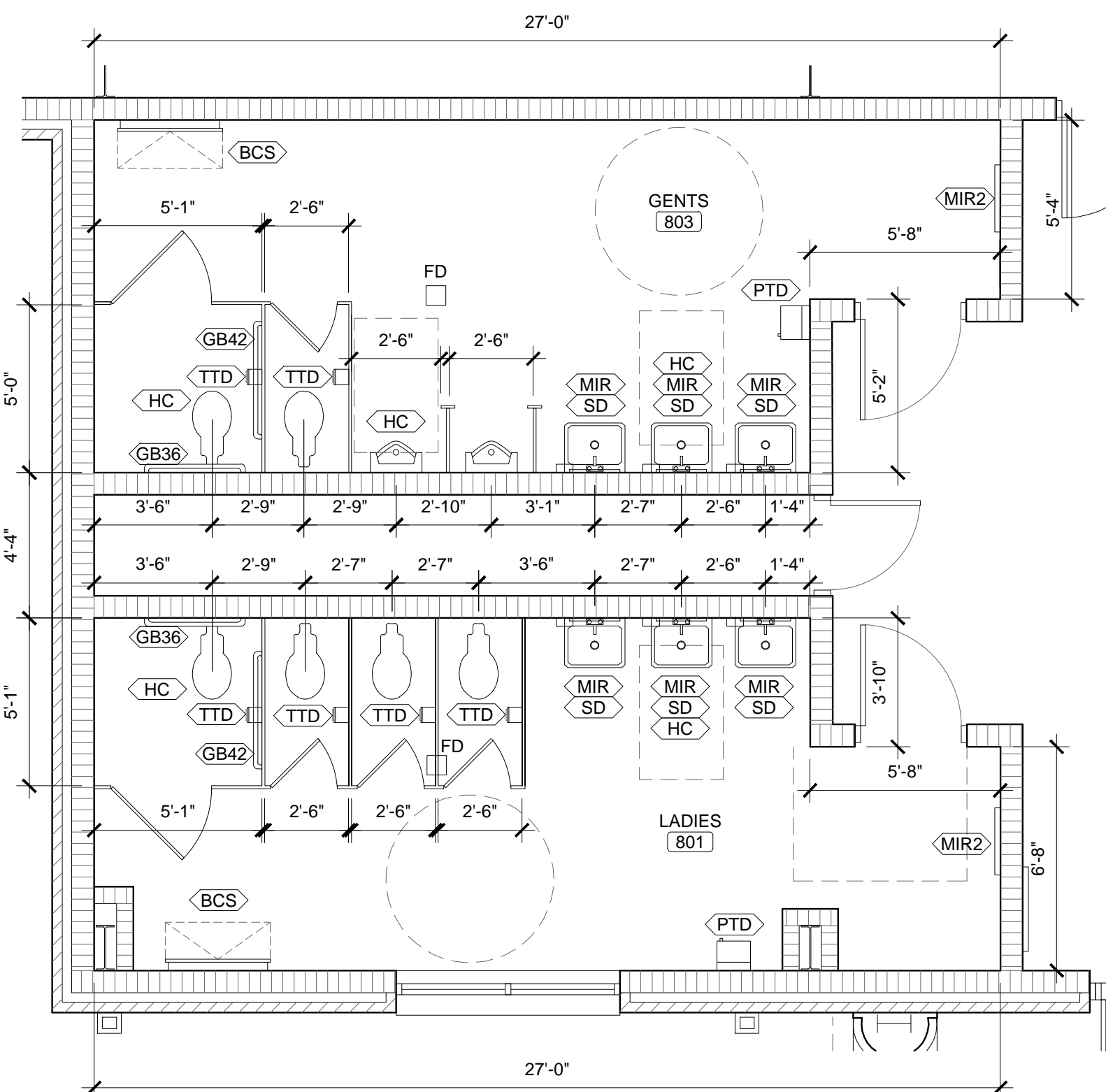
 **FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

ADDITIONS  
TO  
**ROBERTSDALE HIGH SCHOOL**  
FOR THE  
ROBERTSDALE, ALABAMA  
**BALDWIN COUNTY BOARD OF EDUCATION**

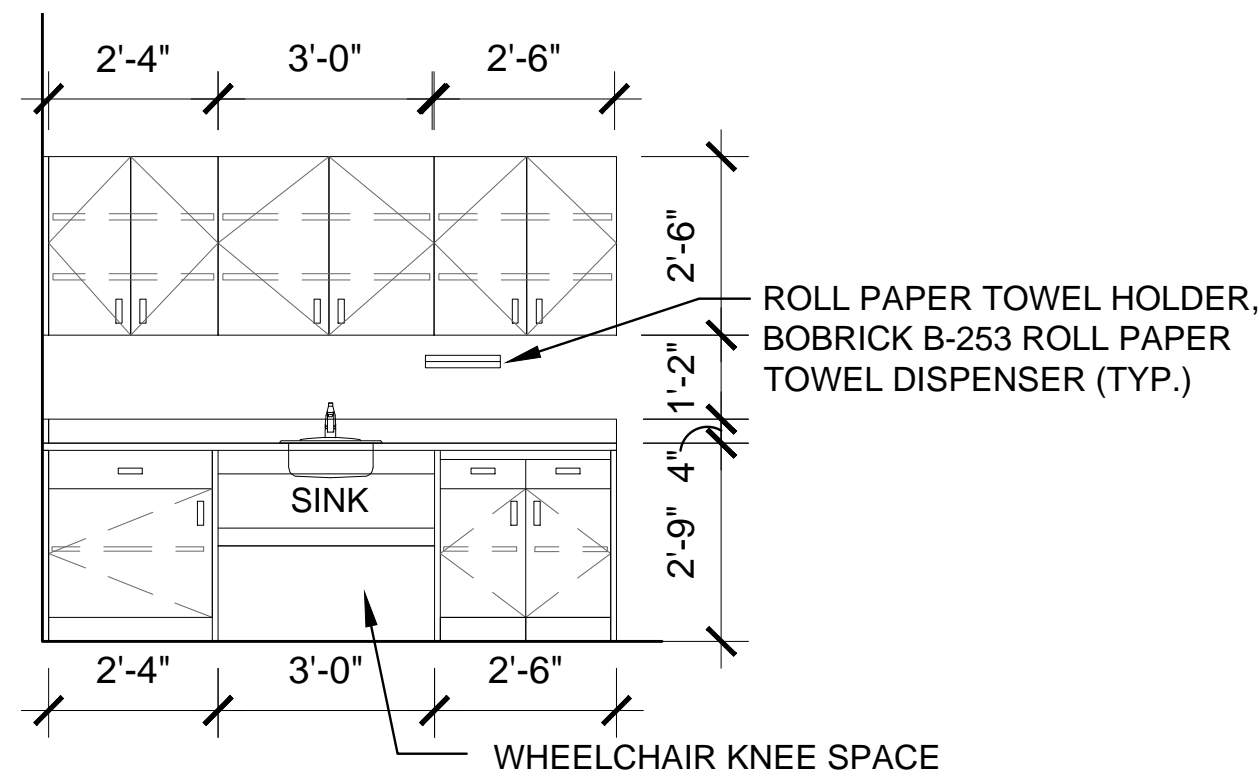
**MCKEE & ASSOCIATES**  
ARCHITECTS, INC.  
631 SOUTH HILL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9933



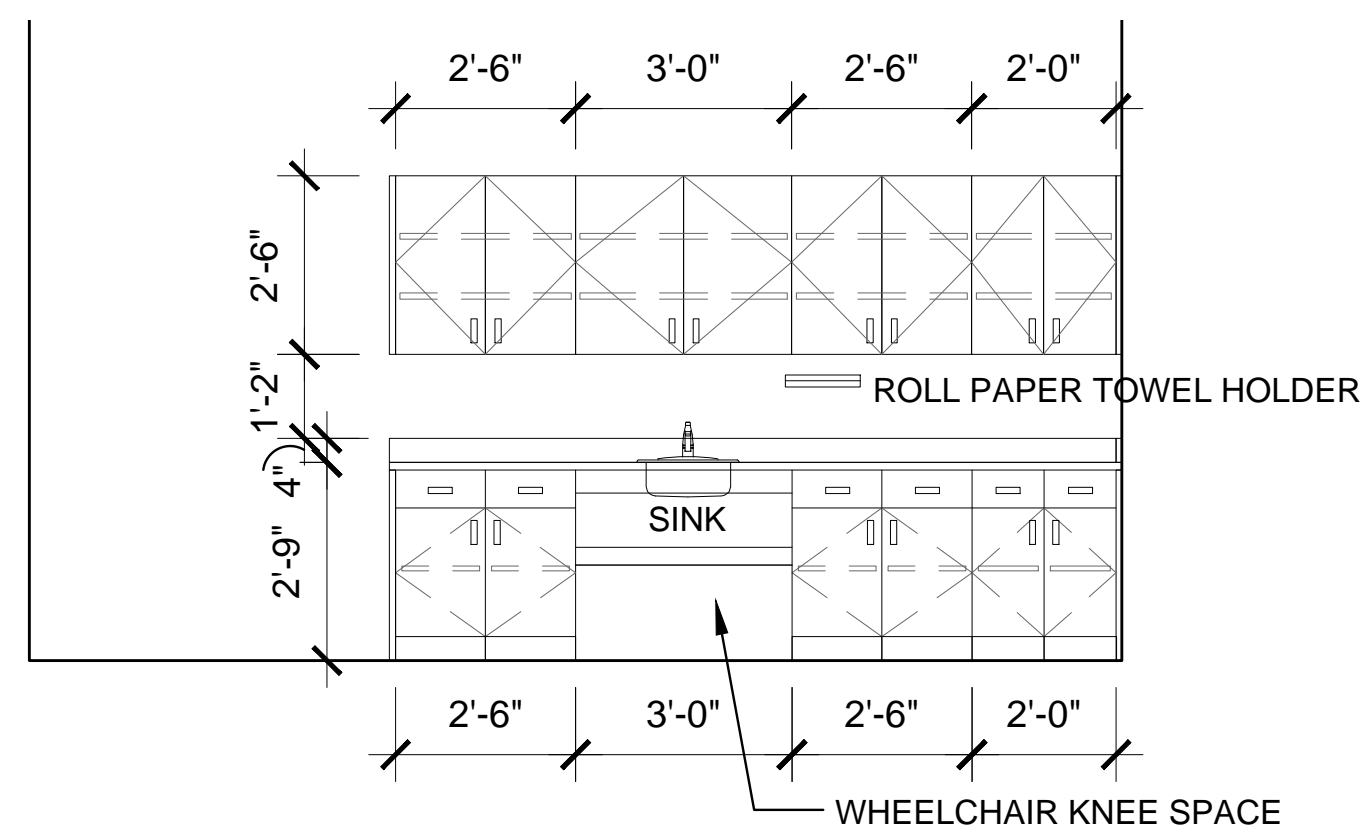
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DRAWN BY : VH  
DATE: 10-11-2023  
REVISED DATE: 1 11-17-2023  
REVISED DATE:  
REVISED DATE:  
SHEET NO. : **A1.1**



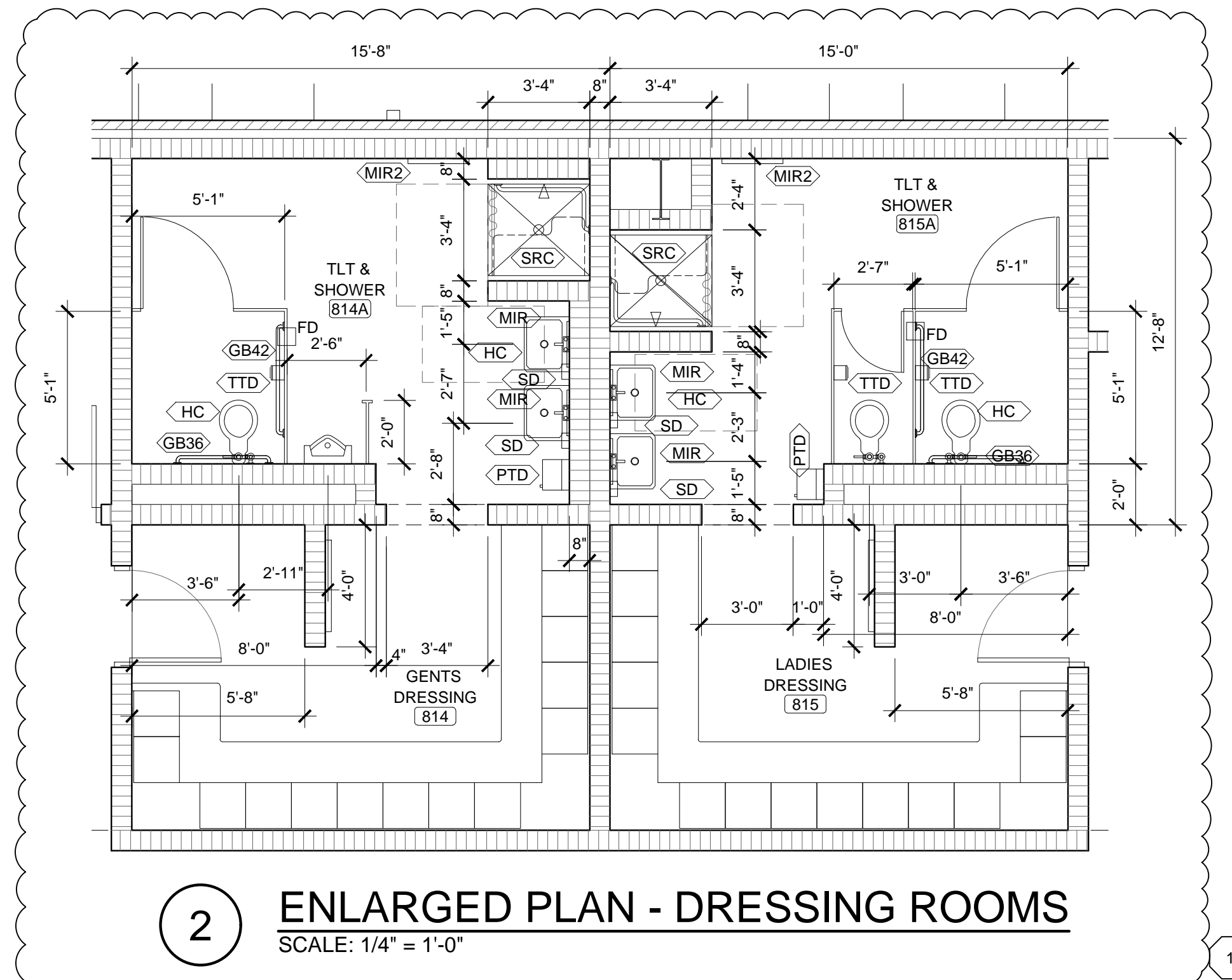
1 ENLARGED PLAN - LOBBY RESTROOMS  
SCALE: 1/4" = 1'-0"



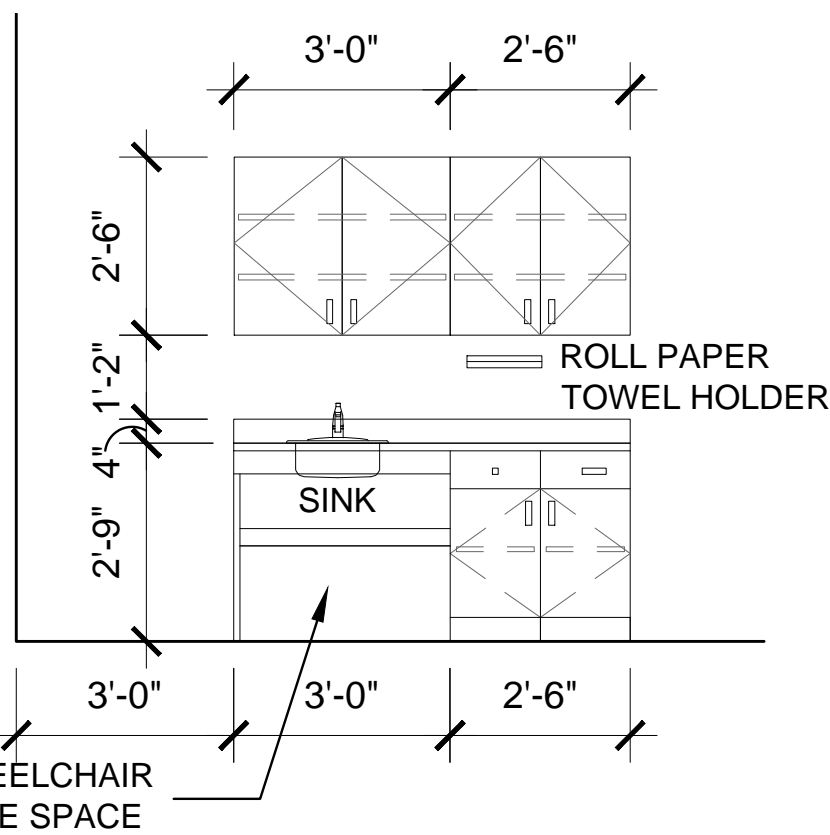
10 812 LAUNDRY  
CABINET ELEVATION  
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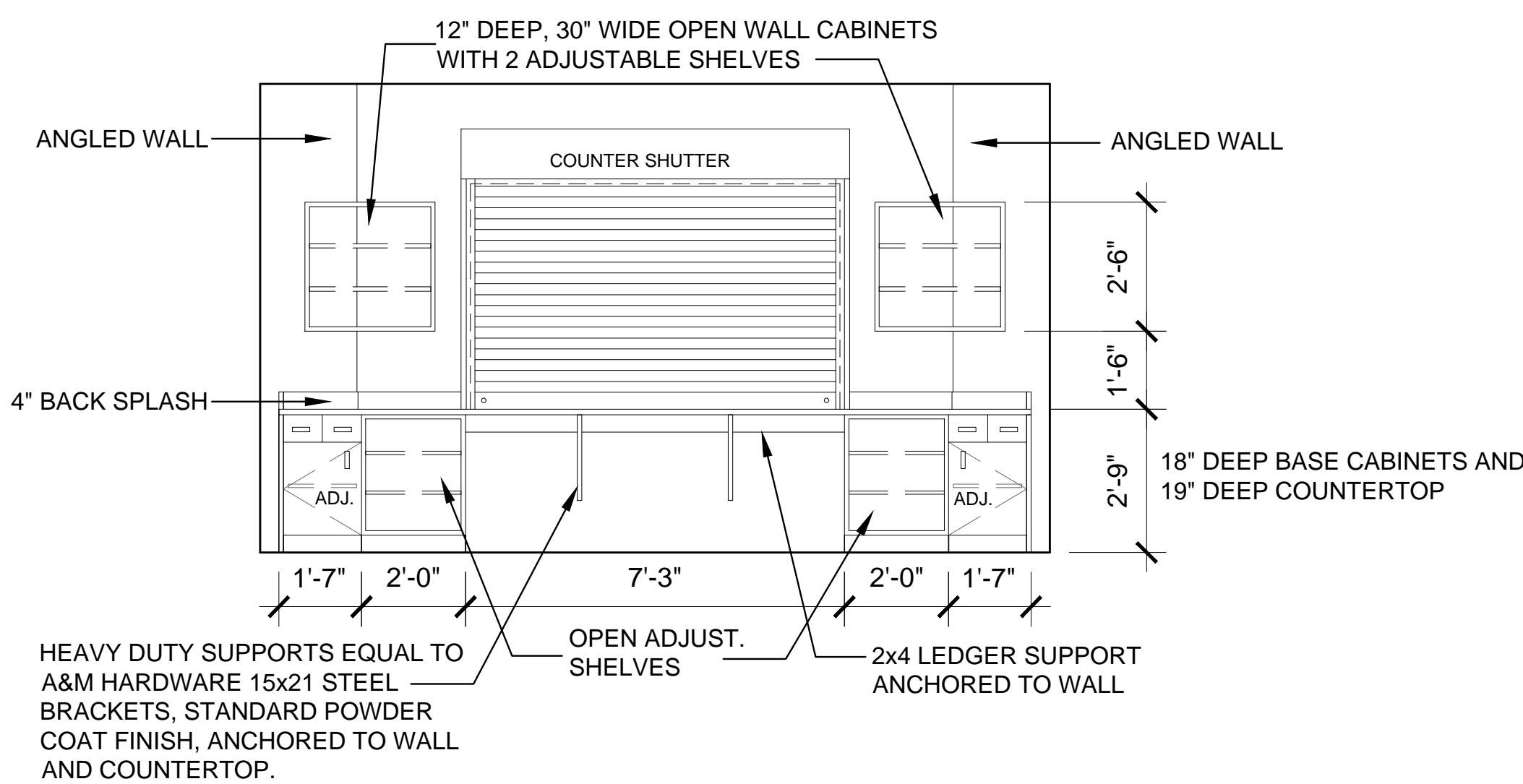
12 807 CONCESSION  
EAST CABINET ELEVATION  
SCALE: 3/8" = 1'-0"



2 ENLARGED PLAN - DRESSING ROOMS  
SCALE: 1/4" = 1'-0"



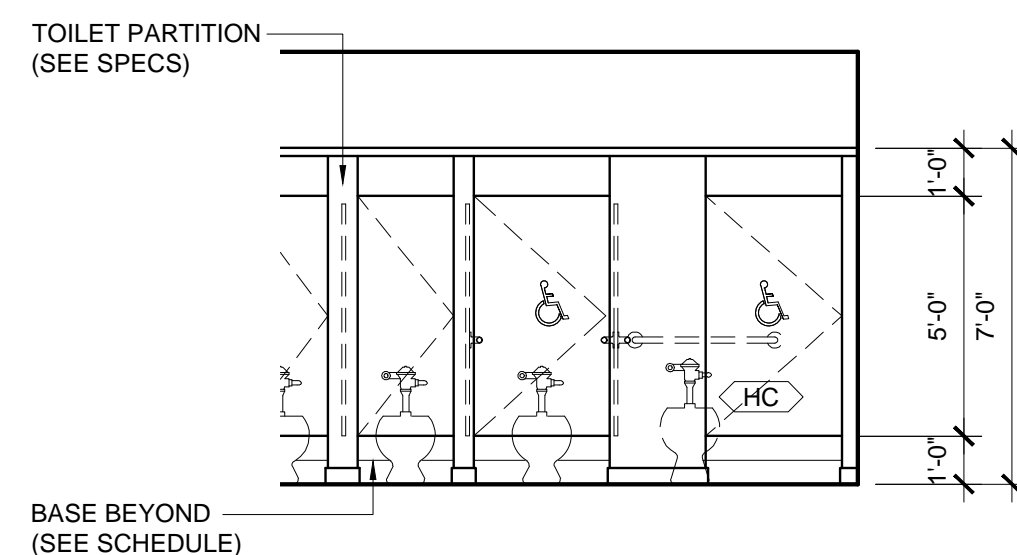
11 817 TRAINING  
CABINET ELEVATION  
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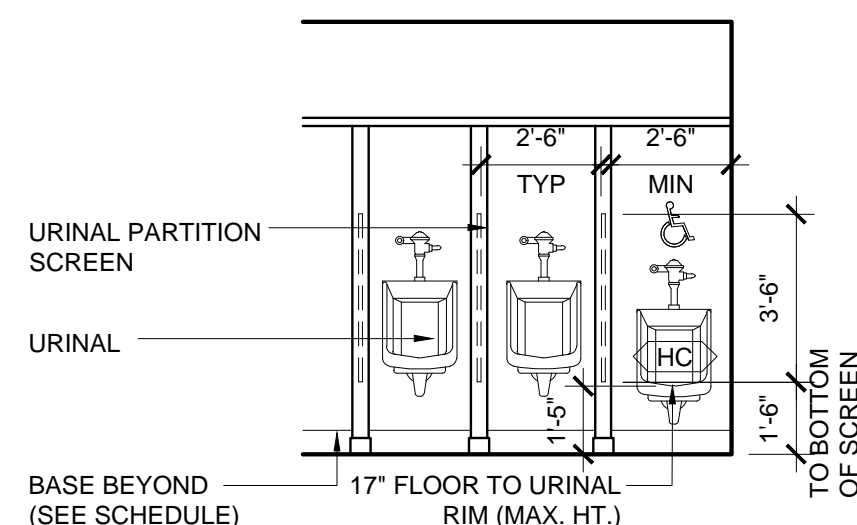
13 807 CONCESSION  
WEST CABINET ELEVATION  
SCALE: 3/8" = 1'-0"

| KEYNOTE | DESCRIPTION  |
|---------|--|
| BCS     | BABY CHANGING STATION  |
| GB36    | 36" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 6" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF (SEE SPECS)  |
| GB42    | 42" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 12" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF (SEE SPECS) |
| HC      | HANDICAPPED ACCESSIBLE WATER CLOSET OR URINAL, MOUNTED WITH SEAT OR LIP AT 17" AFF   |
| MIR     | 18" X 36" MIRROR WITH SHELF TO BE MOUNTED WITH THE BOTTOM EDGE 35" AFF AND THE TOP EDGE 71" AFF (SEE SPECS)                                |
| MIR2    | 24" X 48" MIRROR WITH THE TOP EDGE AT 76" AFF (SEE SPECS)  |
| PTD     | PAPER TOWEL DISPENSER TO BE MOUNTED WITH OUTLET AT 48" AFF (SEE SPECS)   |
| SD      | SOAP DISPENSER TO BE MOUNTED WHERE HAND CONTROLS ARE 48" AFF (SEE SPECS)   |
| SRC     | 40" LONG SHOWER ROD AND CURTAIN TO BE MOUNTED 84" AFF  |
| TTD     | TOILET TISSUE DISPENSER TO BE MOUNTED 8" OC IN FRONT OF TOILET AND OUTLET OF DISPENSER MUST BE BETWEEN 15" & 48" AFF (SEE SPECS)           |
| US      | UTILITY SHELF WITH MOP RACK  |

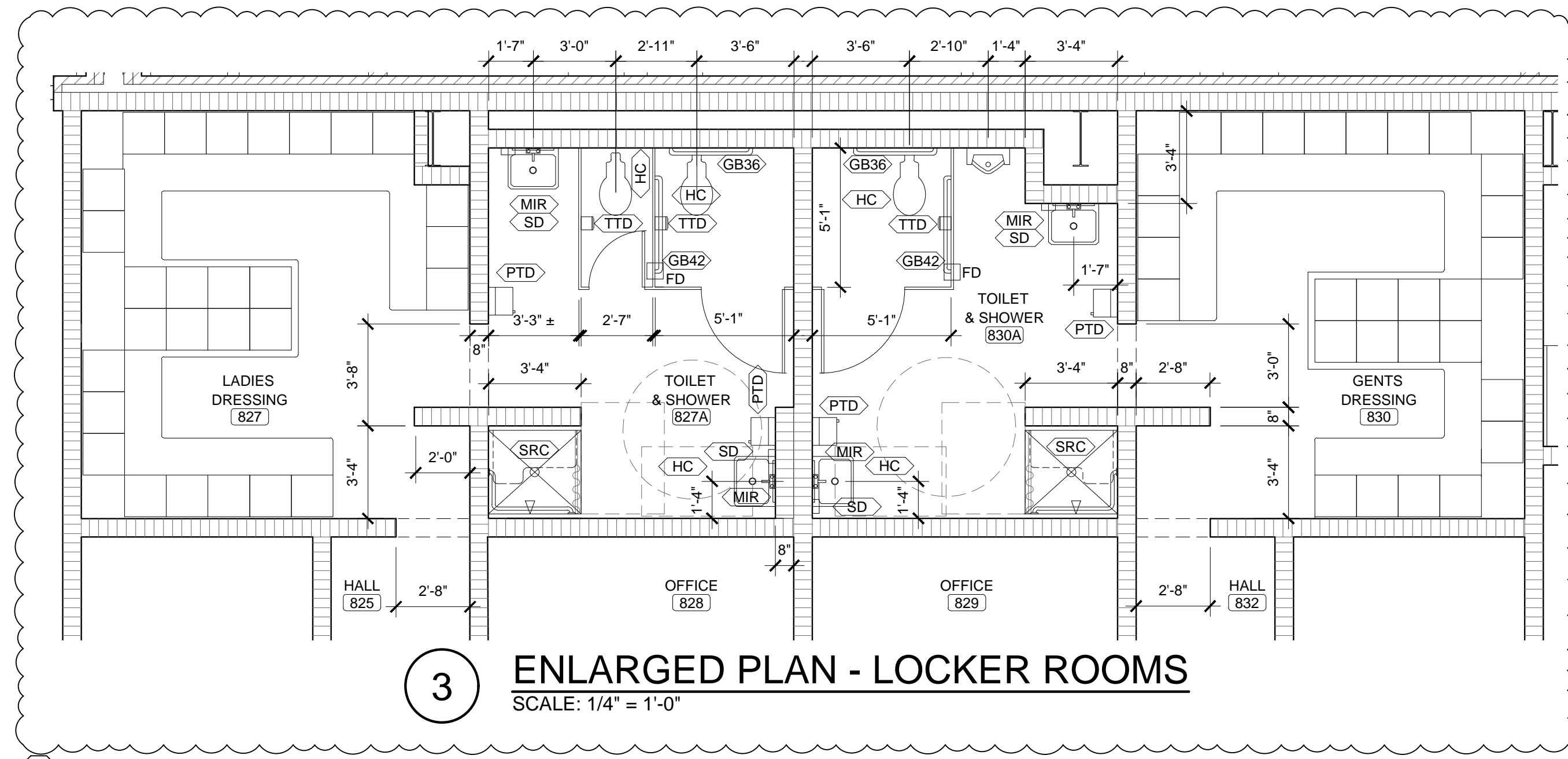
PAPER TOWEL DISPENSERS, TOILET TISSUE DISPENSERS, AND SOAP DISPENSERS SHALL BE FURNISHED BY THE OWNER AND INSTALLED BY THIS CONTRACTOR.



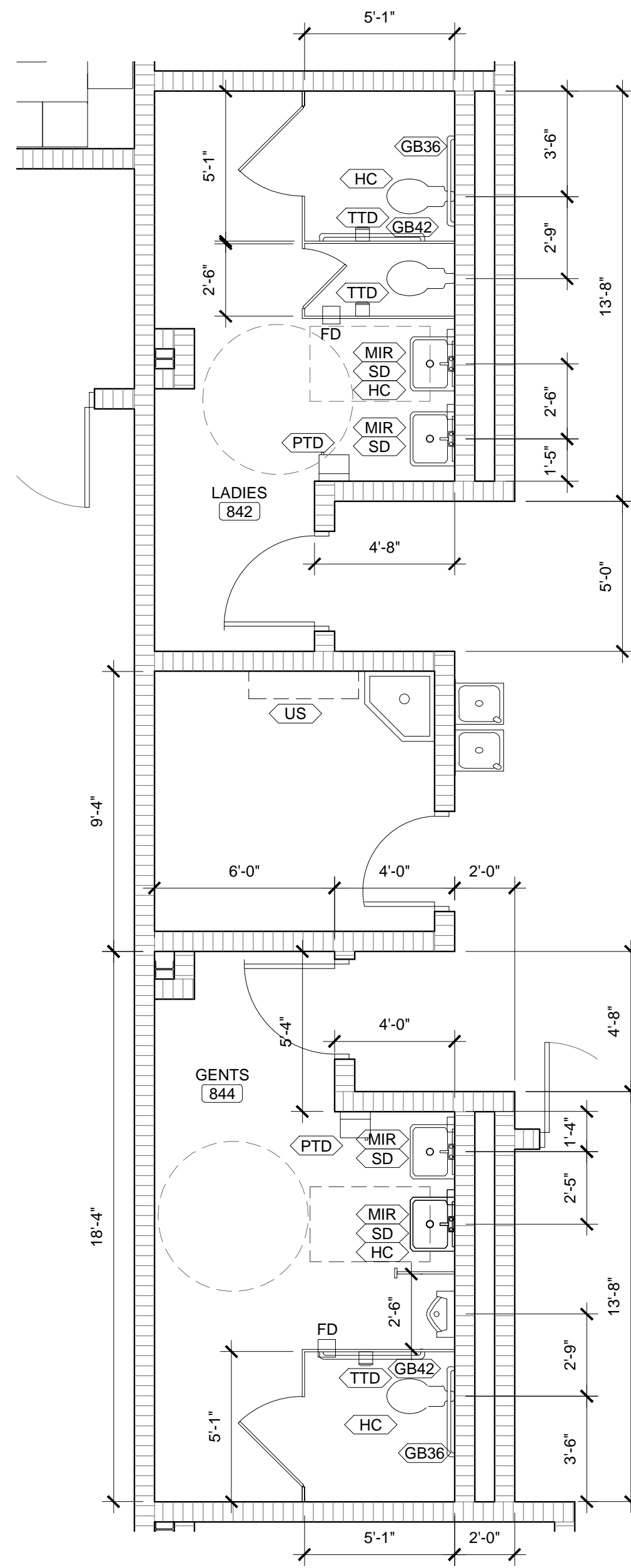
TYPICAL TOILET SCREEN  
PARTITION ELEVATION  
SCALE: 1/4" = 1'-0"



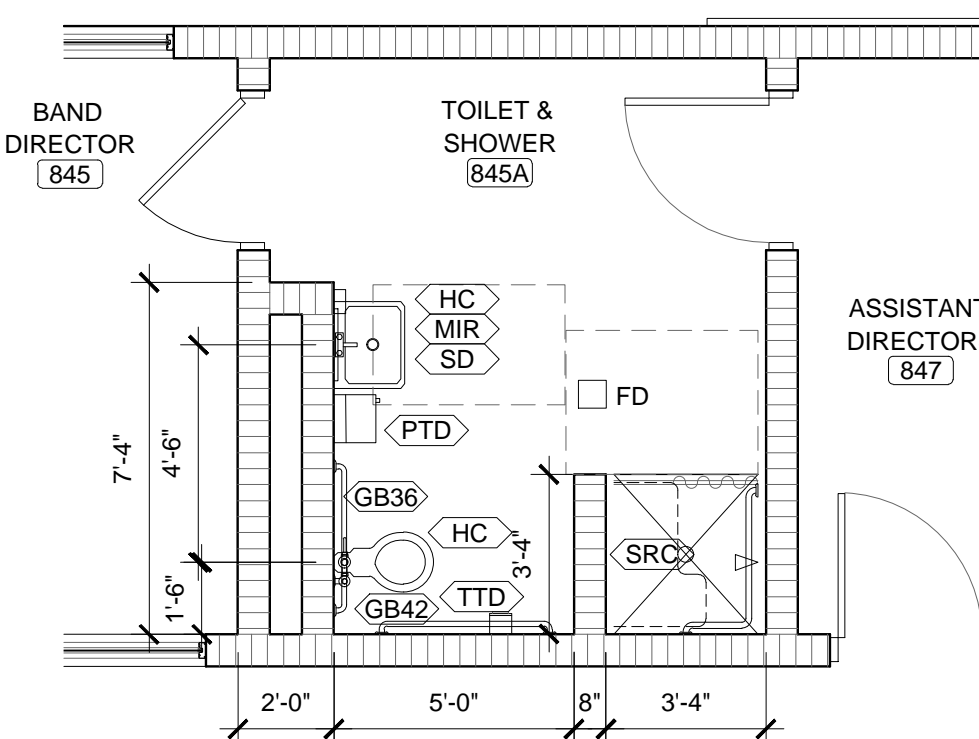
TYPICAL URINAL SCREEN  
PARTITION ELEVATION  
SCALE: 1/4" = 1'-0"



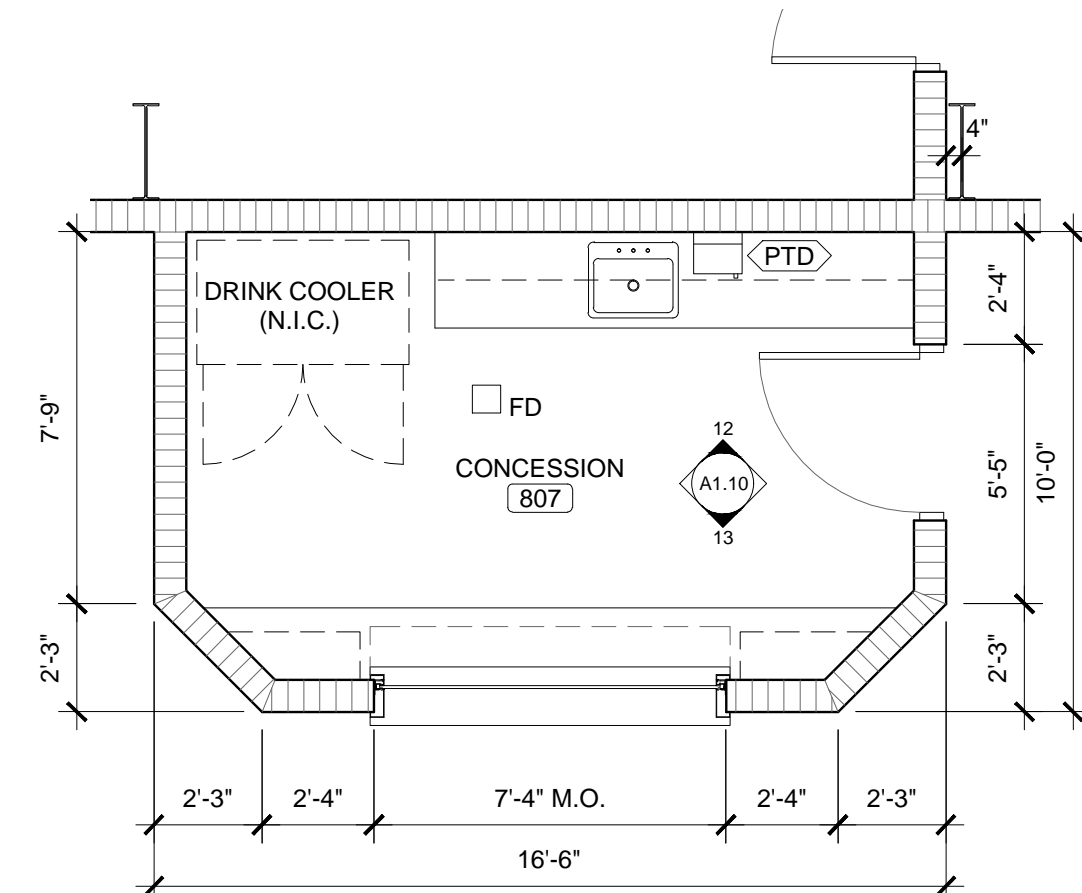
3 ENLARGED PLAN - LOCKER ROOMS  
SCALE: 1/4" = 1'-0"



4 ENLARGED PLAN - BAND RESTROOMS  
SCALE: 1/4" = 1'-0"

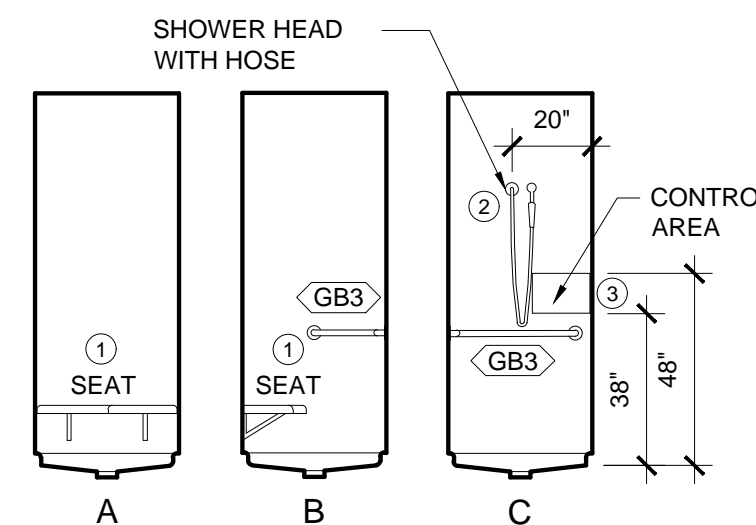


5 ENLARGED PLAN AT BAND OFFICES  
SCALE: 1/4" = 1'-0"

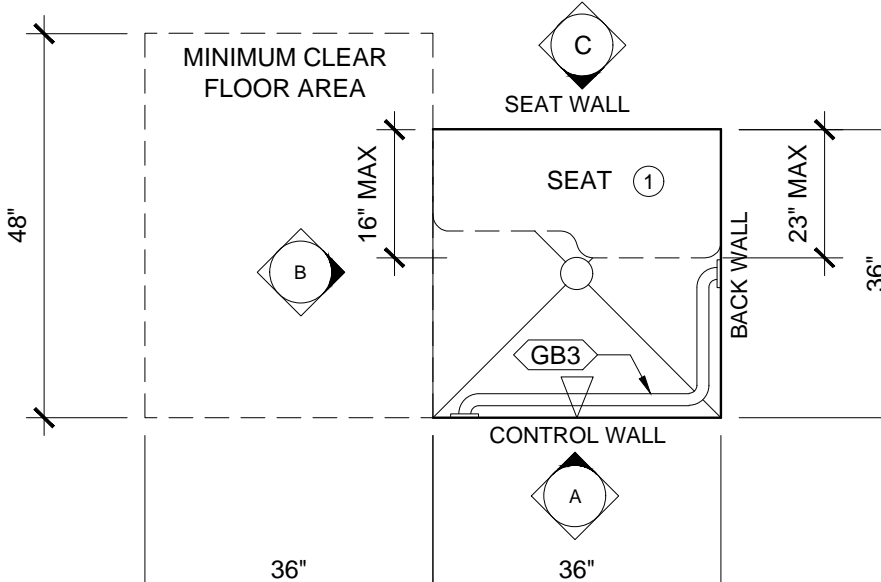


6 ENLARGED PLAN - CONCESSION  
SCALE: 1/4" = 1'-0"

| ACCESSIBLE SHOWER NOTES |   |
|-------------------------|---|
| 1                       | A FOLDING SEAT SHALL BE PROVIDED IN EACH ACCESSIBLE SHOWER STALL AND SHALL BE MOUNTED 17"-19" FROM THE SHOWER FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE SHOWER STALL (SEE SPECS) SEAT SHALL BE MOUNTED SECURELY AND SHALL NOT SLIP DURING USE. |
| 2                       | A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED AS A FIXED SHOWER HEAD OR AS A HAND-HELD SHOWER SHALL BE PROVIDED (SEE SPECS)  |
| 3                       | ALL CONTROLS, SHOWER HEADS ETC SHALL BE LOCATED ON OPPOSITE WALL FROM SHOWER SEAT (SEE ELEVATIONS FOR MOUNTING HEIGHTS)   |



ACCESSIBLE  
SHOWER ELEVATIONS  
SCALE: 1/4" = 1'-0"



ACCESSIBLE  
SHOWER PLAN  
SCALE: 1/2" = 1'-0"

ADDITIONS

TO  
ROBERTSDALE HIGH SCHOOL

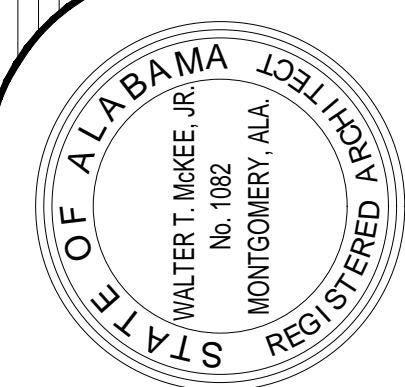
ROBERTSDALE, ALABAMA

FOR THE

BALDWIN COUNTY BOARD OF EDUCATION

MCKEE & ASSOCIATES  
ARCHITECTS, INC.

631 SOUTH HULL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9933



SHEET TITLE : ENLARGED PLANS  
AND DETAILS,  
CABINET ELEVATIONS

MCKEE JOB # : 23-195

DRAWN BY : JL, VH

DATE: 10-11-2023

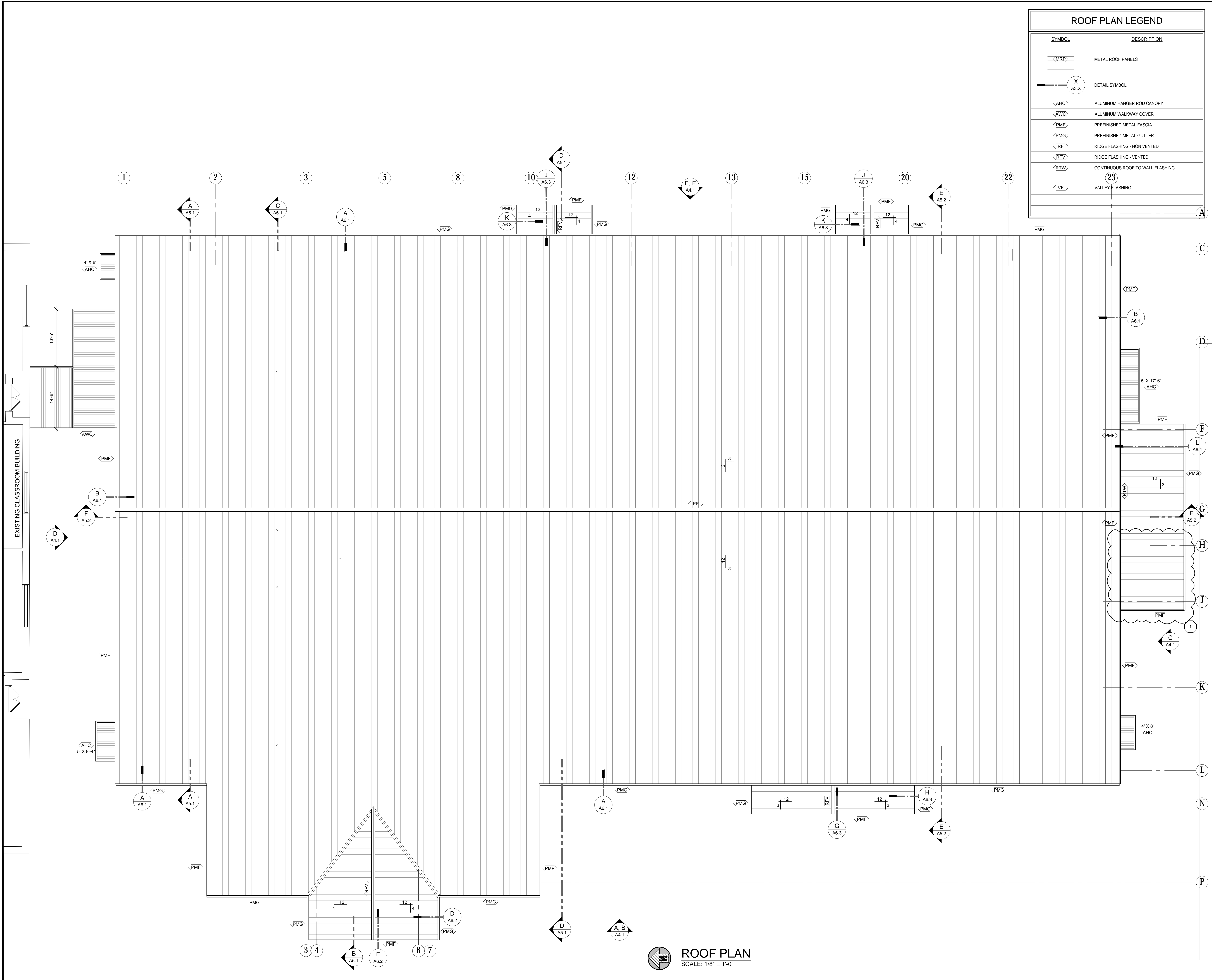
REVISED DATE: 1 11-17-2023

REVISED DATE:

REVISED DATE:

SHEET NO. : A1.10

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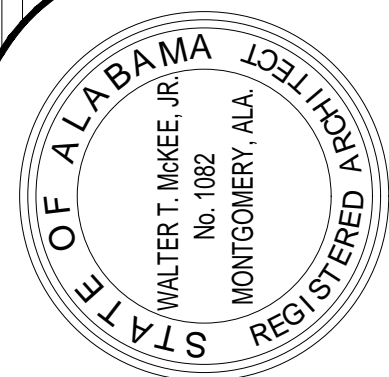


| ROOF PLAN LEGEND |                                  |
|------------------|----------------------------------|
| SYMBOL           | DESCRIPTION                      |
|                  | METAL ROOF PANELS                |
|                  | DETAIL SYMBOL                    |
|                  | ALUMINUM HANGER ROD CANOPY       |
|                  | ALUMINUM WALKWAY COVER           |
|                  | PREFINISHED METAL FASCIA         |
|                  | PREFINISHED METAL GUTTER         |
|                  | RIDGE FLASHING - NON VENTED      |
|                  | RIDGE FLASHING - VENTED          |
|                  | CONTINUOUS ROOF TO WALL FLASHING |
|                  | VALLEY FLASHING                  |

ADDITIONS  
TO  
ROBERTSDALE HIGH SCHOOL  
ROBERTSDALE, ALABAMA  
FOR THE  
BALDWIN COUNTY BOARD OF EDUCATION

MCKEE & ASSOCIATES  
ARCHITECTS, INC.

631 SOUTH HULL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9933



SHEET TITLE : ROOF PLAN

MCKEE JOB # : 23-195

DRAWN BY : VH

DATE: 10-11-2023

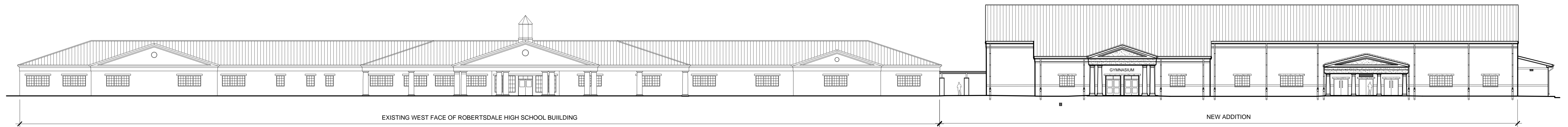
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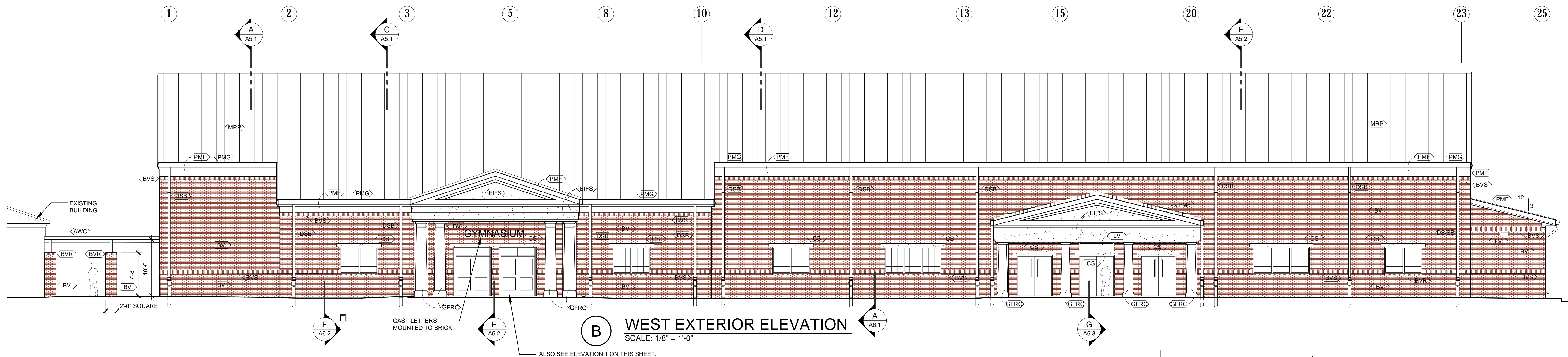
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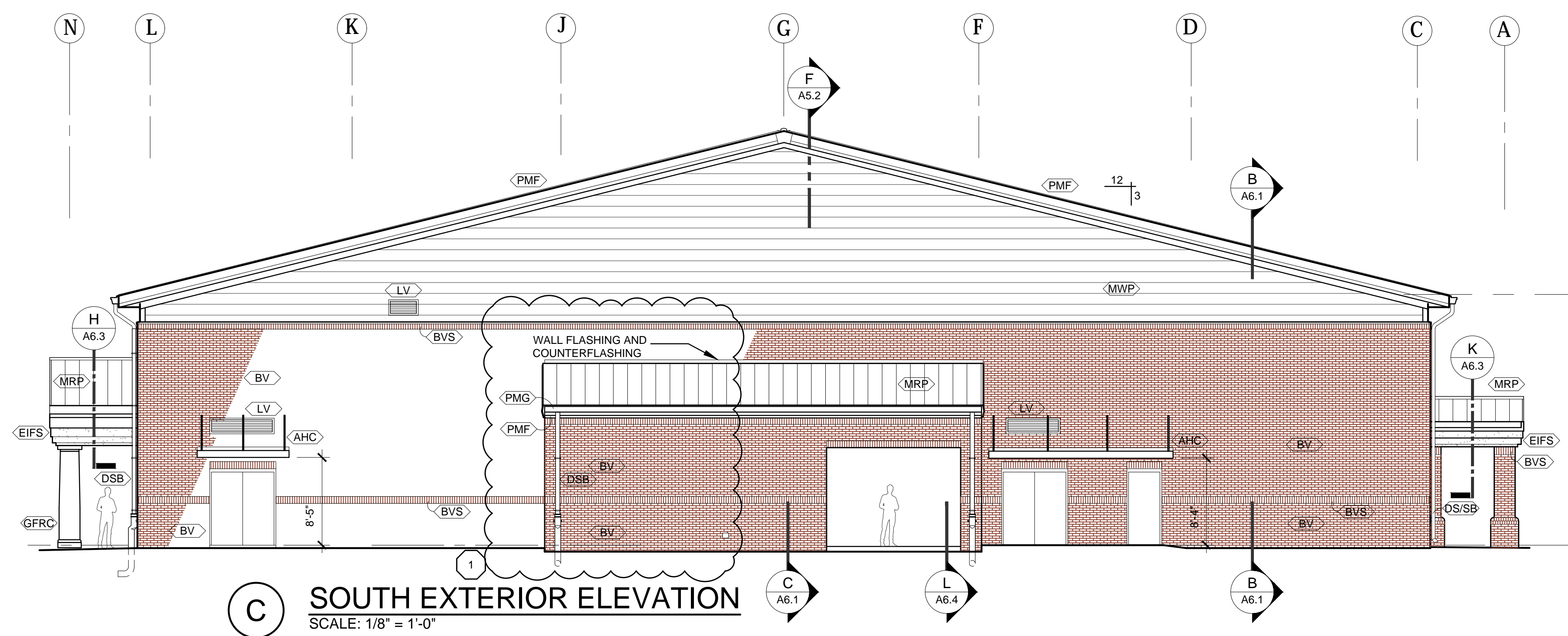
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- Friday, November 17, 2023 10:46:09 AM



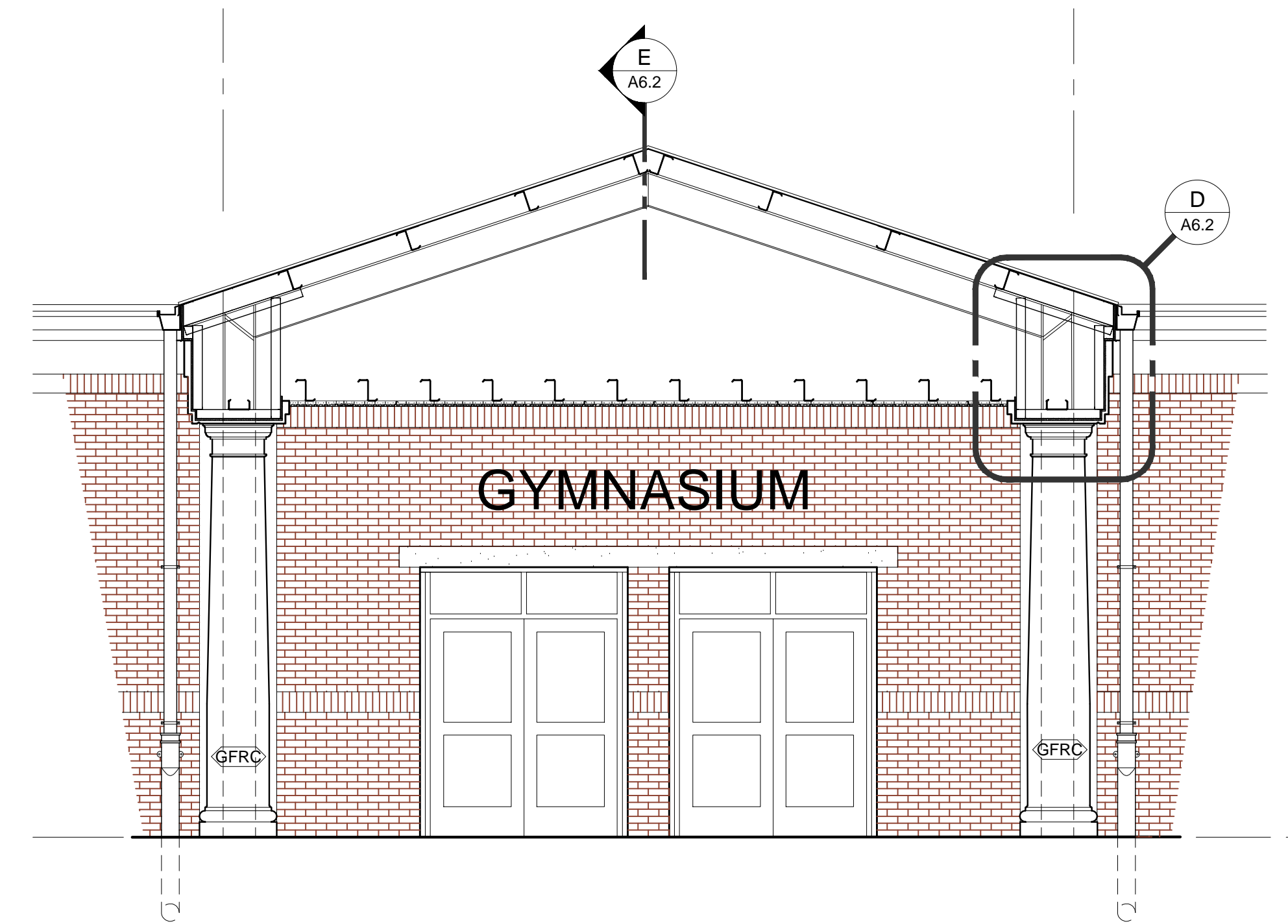
**A WEST EXTERIOR ELEVATION - OVERALL VIEW**  
SCALE: 1" = 20'



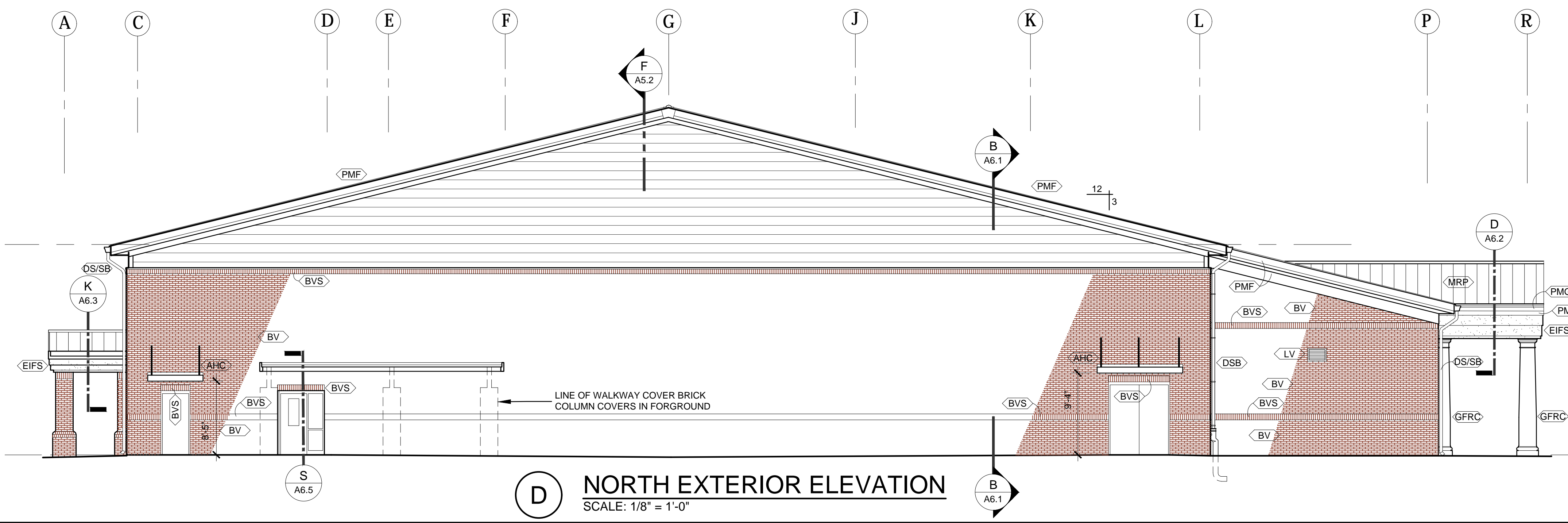
**B WEST EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"  
ALSO SEE ELEVATION 1 ON THIS SHEET.



**C SOUTH EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"

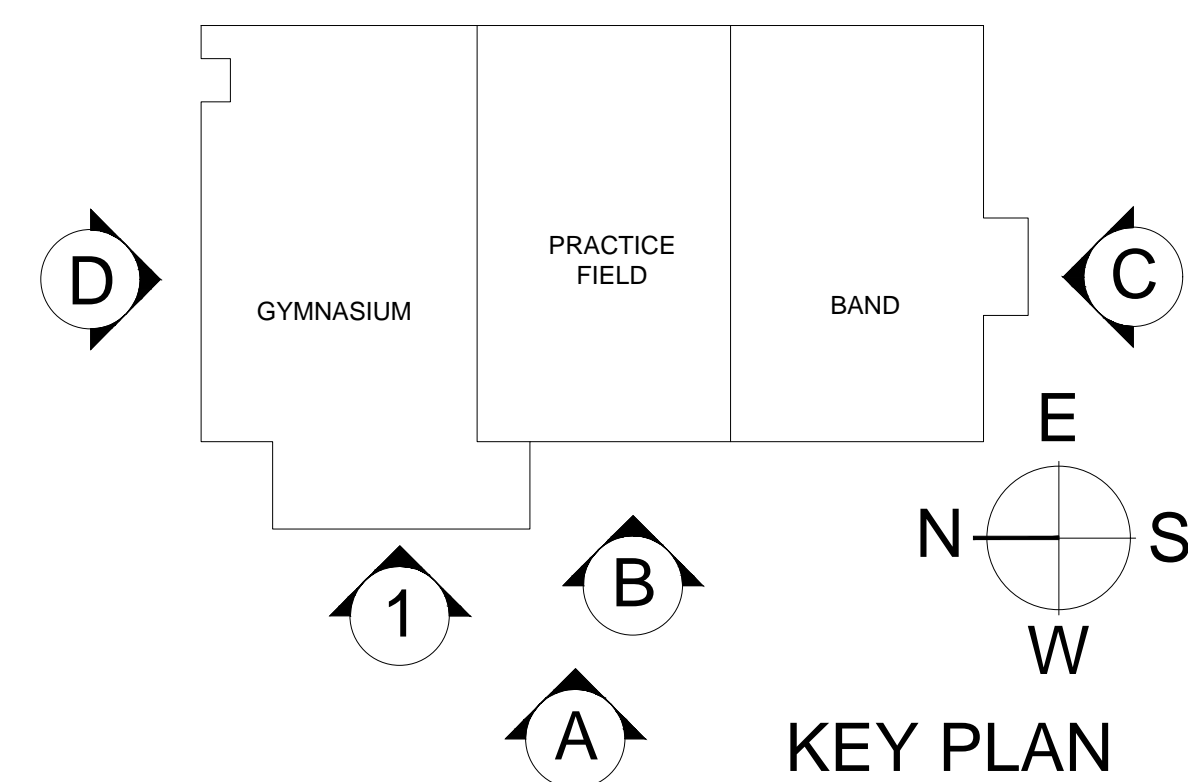


**1 CANOPY SECTION AND ENTRANCE ELEVATION**  
SCALE: 1/4" = 1'-0"



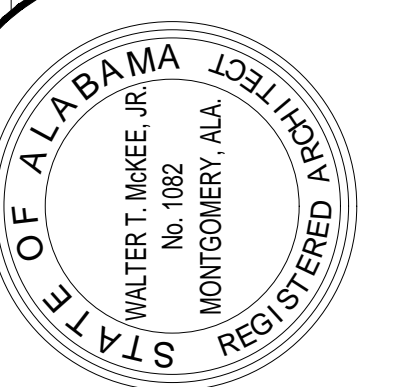
**D NORTH EXTERIOR ELEVATION**  
SCALE: 1/8" = 1'-0"

| EXTERIOR ELEVATION LEGEND |   |
|---------------------------|---|
| SYMBOL                    | DESCRIPTION   |
|                           | BUILDING SECTION SYMBOL                               |
|                           | ALUMINUM HANGER ROD CANOPY - SEE ROOF PLAN FOR SIZES. |
|                           | ALUMINUM WALKWAY COVER AND COLUMNS                    |
|                           | BRICK VENEER  |
|                           | BRICK VENEER - ROWLOCK COURSE                         |
|                           | BRICK VENEER - SOLDIER COURSE                         |
|                           | CAST STONE TRIM                                       |
|                           | PREFINISHED METAL DOWNSPOUT TO BOOT                   |
|                           | PREFINISHED METAL DOWNSPOUT TO SPLASHBLOCK            |
|                           | EXTERIOR INSULATION AND FINISH SYSTEM                 |
|                           | GLASS FIBER REINFORCED COLUMN                         |
|                           | LOUVER (SEE MECHANICAL)                               |
|                           | METAL ROOF PANELS                                     |
|                           | METAL WALL PANELS - HORIZONTAL LAPPED                 |
|                           | PIPE BOLLARD (SEE DETAIL ON SHEET A6.1)               |
|                           | PREFINISHED METAL FASCIA                              |
|                           | PREFINISHED METAL GUTTER                              |



ADDITIONS  
TO  
ROBERTSDALE HIGH SCHOOL  
FOR THE  
BALDWIN COUNTY BOARD OF EDUCATION  
ROBERTSDALE, ALABAMA

**McKEE & ASSOCIATES**  
ARCHITECTS, INC.  
631 SOUTH HULL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9033



SHEET TITLE : EXTERIOR ELEVATIONS

McKEE JOB # : 23-195

DRAWN BY : VH

DATE: 10-11-2023

REVISED DATE: 1 11-17-2023

REVISED DATE:

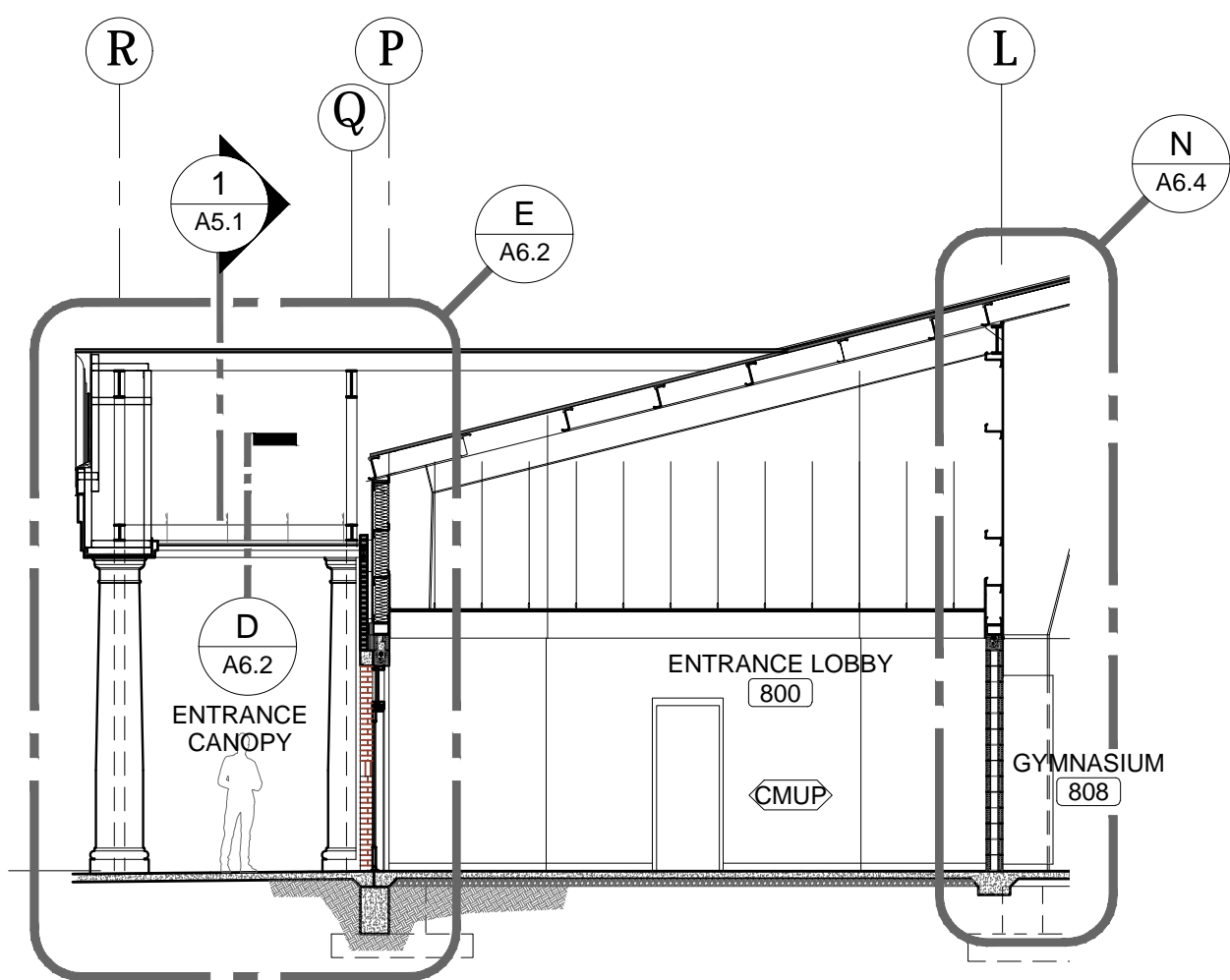
REVISED DATE:

SHEET NO. : **A4.1**

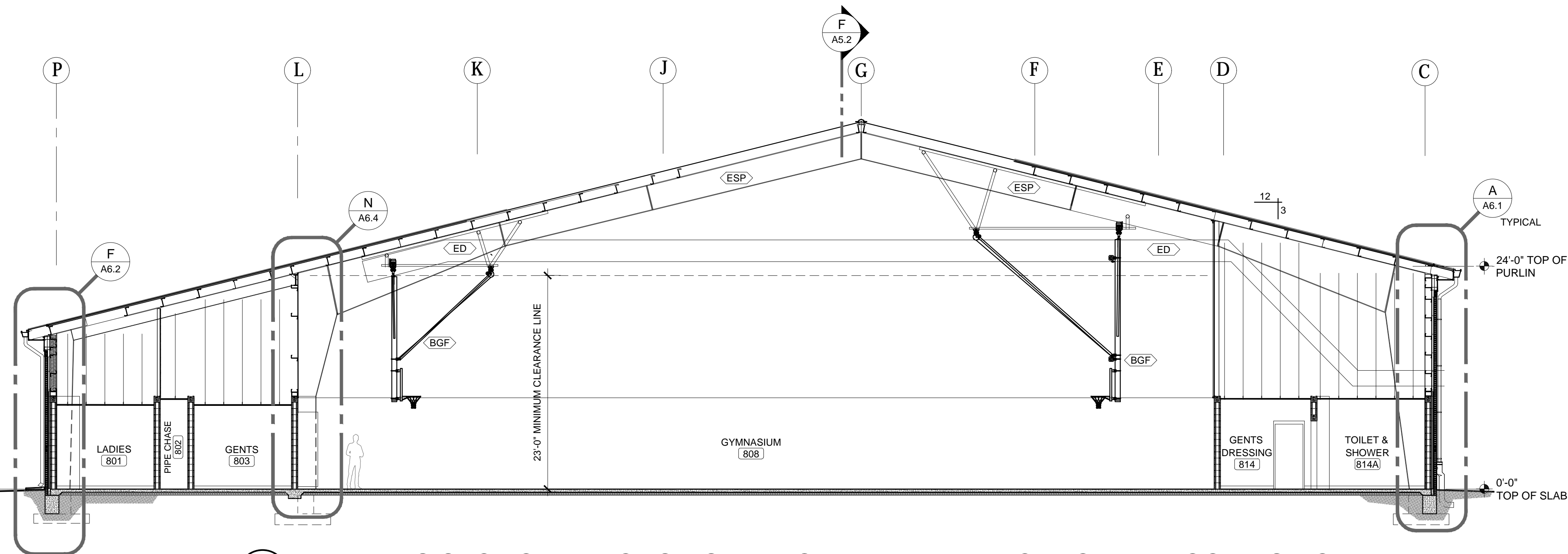
- Z:\2023\23-195 Additions to Robertsdale High School\CAD Drawings\Architectural\A5.1 Building Sections.dwg  
- Friday, November 17, 2023 10:48:46 AM

| BUILDING SECTION LEGEND |   |
|-------------------------|---|
| SYMBOL                  | DESCRIPTION                               |
| <AP>                    | ACOUSTICAL WALL PANELS                    |
| <BGF>                   | BASKETBALL GOAL BACKSTOP - FORWARD FOLD   |
| <BGS>                   | BASKETBALL GOAL BACKSTOP - SIDE FOLD      |
| <CMUP>                  | CONCRETE MASONRY UNIT - PAINT             |
| <ED>                    | EXPOSED DUCTWORK - NO PAINT (FABRIC DUCT) |
| <ESP>                   | EXPOSED STRUCTURE - PAINT                 |
| <GBP>                   | GYPSUM BOARD - PAINT                      |
| <MO>                    | MASONRY OPENING                           |
| <MLP>                   | METAL LINER PANELS                        |
| <TGS>                   | TELESCOPIC GYMNASIUM SEATING              |
| <WP>                    | WALL PADS                                 |

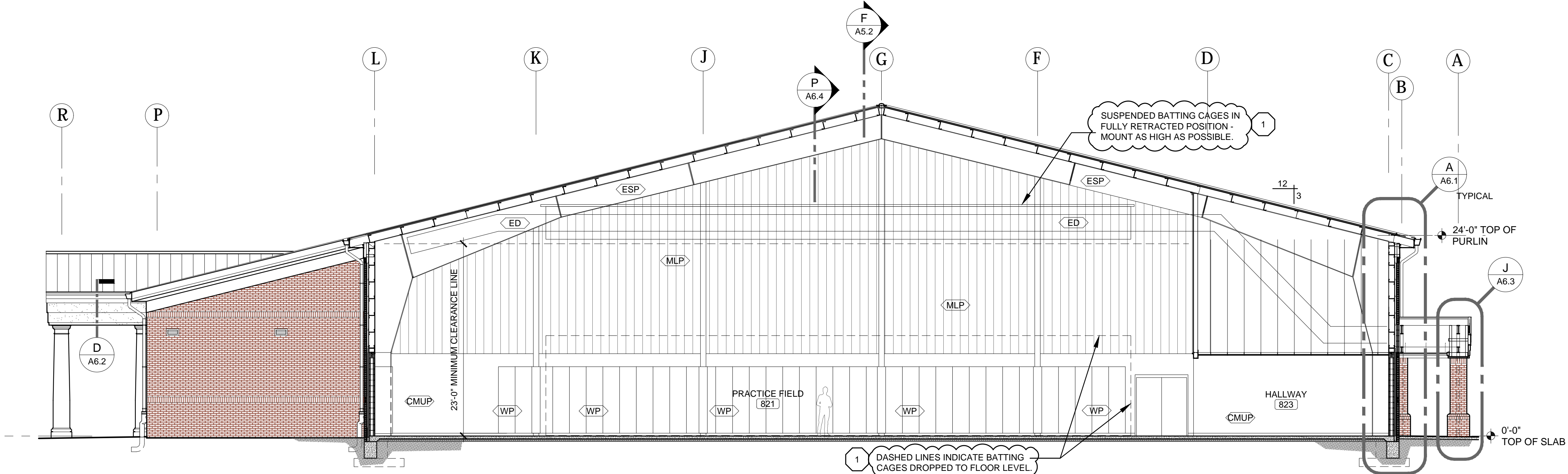
**B** LOBBY SECTION AT CANOPY  
SCALE: 1/8" = 1'-0"



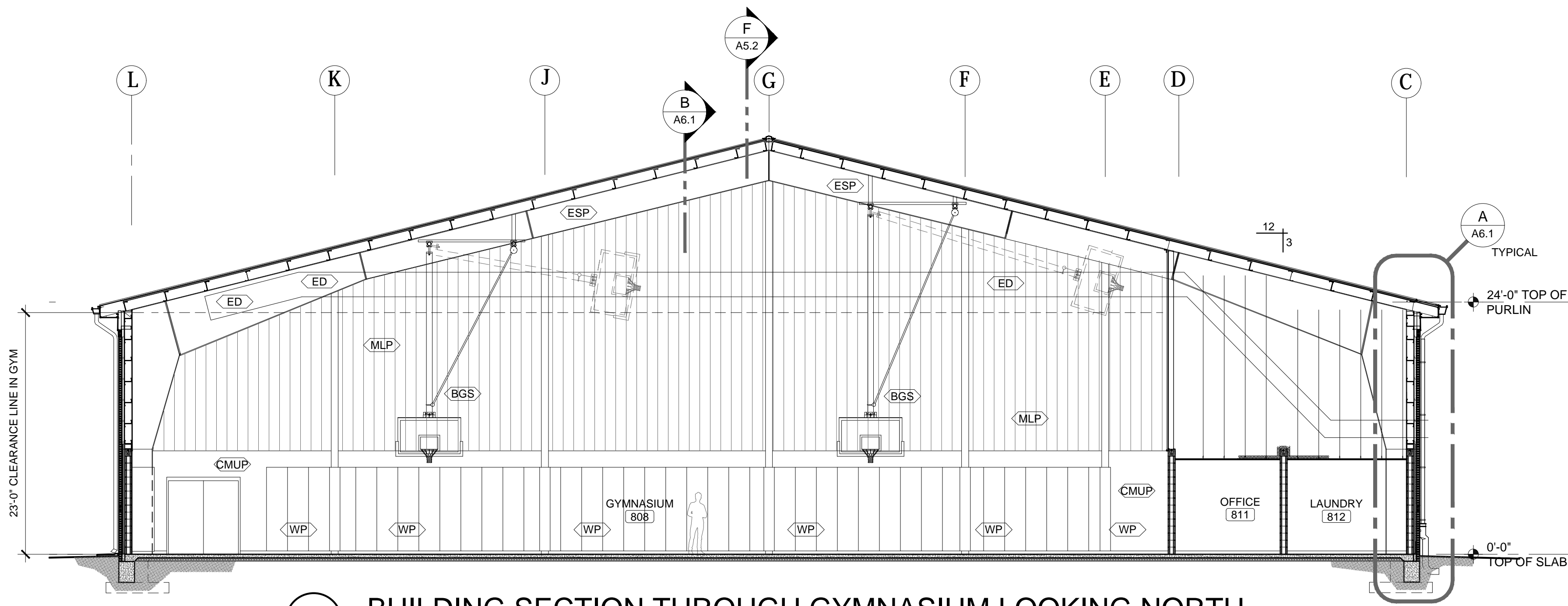
**C** BUILDING SECTION THROUGH GYMNASIUM AT ENTRANCE LOBBY - LOOKING NORTH  
SCALE: 1/8" = 1'-0"



**D** BUILDING SECTION THROUGH PRACTICE FIELD - LOOKING NORTH  
SCALE: 1/8" = 1'-0"



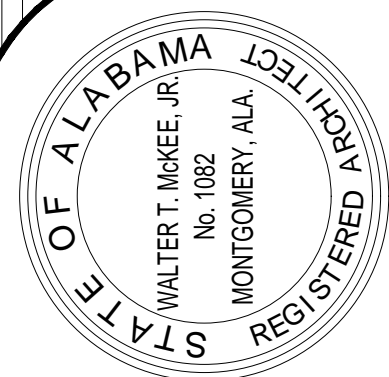
**A** BUILDING SECTION THROUGH GYMNASIUM LOOKING NORTH  
SCALE: 1/8" = 1'-0"



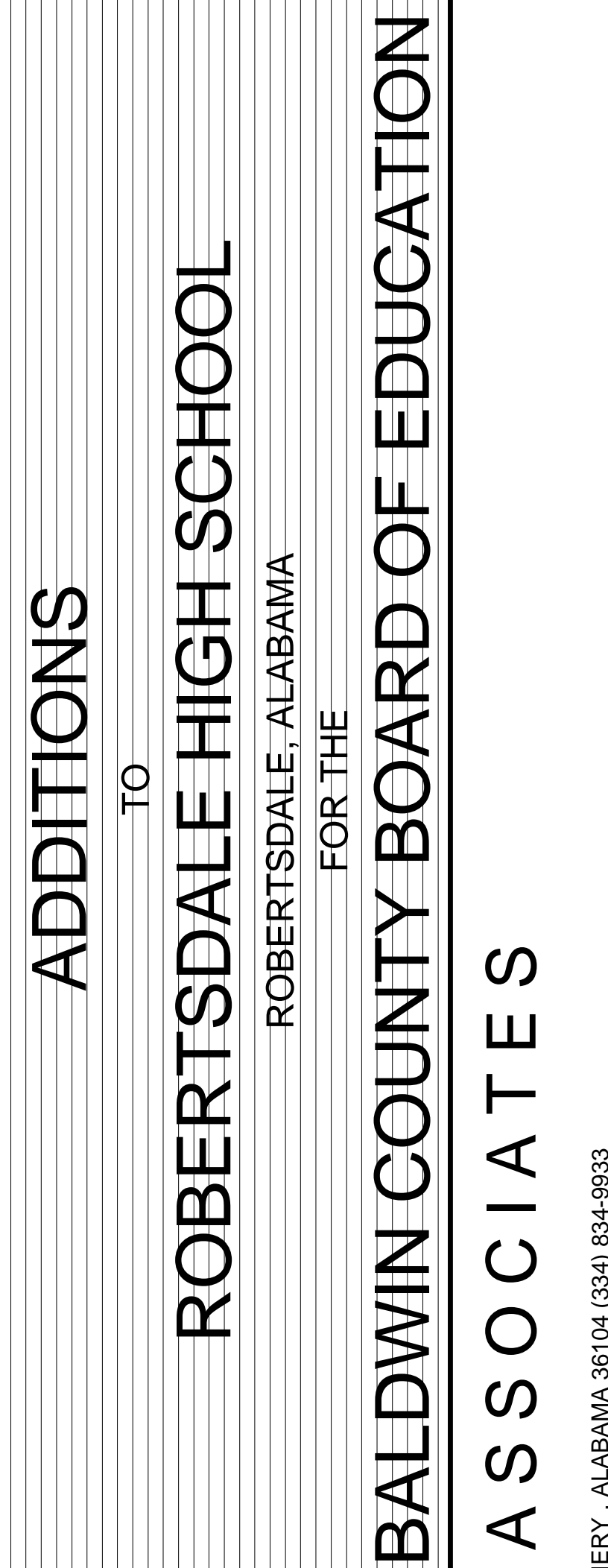
"MINIMUM CLEARANCE LINE" IS THE MINIMUM HEIGHT REQUIRED FOR BASKETBALL BACKSTOPS IN THEIR RETRACTED POSITIONS, LIGHT FIXTURES, DUCTS, AND OTHER ITEMS THAT ARE HUNG FROM THE UPPER STRUCTURE. THIS APPLIES TO THE AREA ABOVE THE BASKETBALL COURT, THE TWO TRANSVERSE VOLLEYBALL COURTS, AND THE AREA ABOVE THE PRACTICE FIELD TURF.

ADDITIONS  
TO  
**ROBERTSDALE HIGH SCHOOL**  
ROBERTSDALE, ALABAMA  
FOR THE  
**BALDWIN COUNTY BOARD OF EDUCATION**

**MCKEE & ASSOCIATES**  
ARCHITECTS, INC.  
631 SOUTH HILL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9933



SHEET TITLE : BUILDING SECTIONS  
  
MCKEE JOB # : 23-195  
  
DRAWN BY : VH  
DATE : 10-11-2023  
REVISED DATE : 1 11-17-2023  
REVISED DATE :  
REVISED DATE :  
  
SHEET NO. : **A5.1**



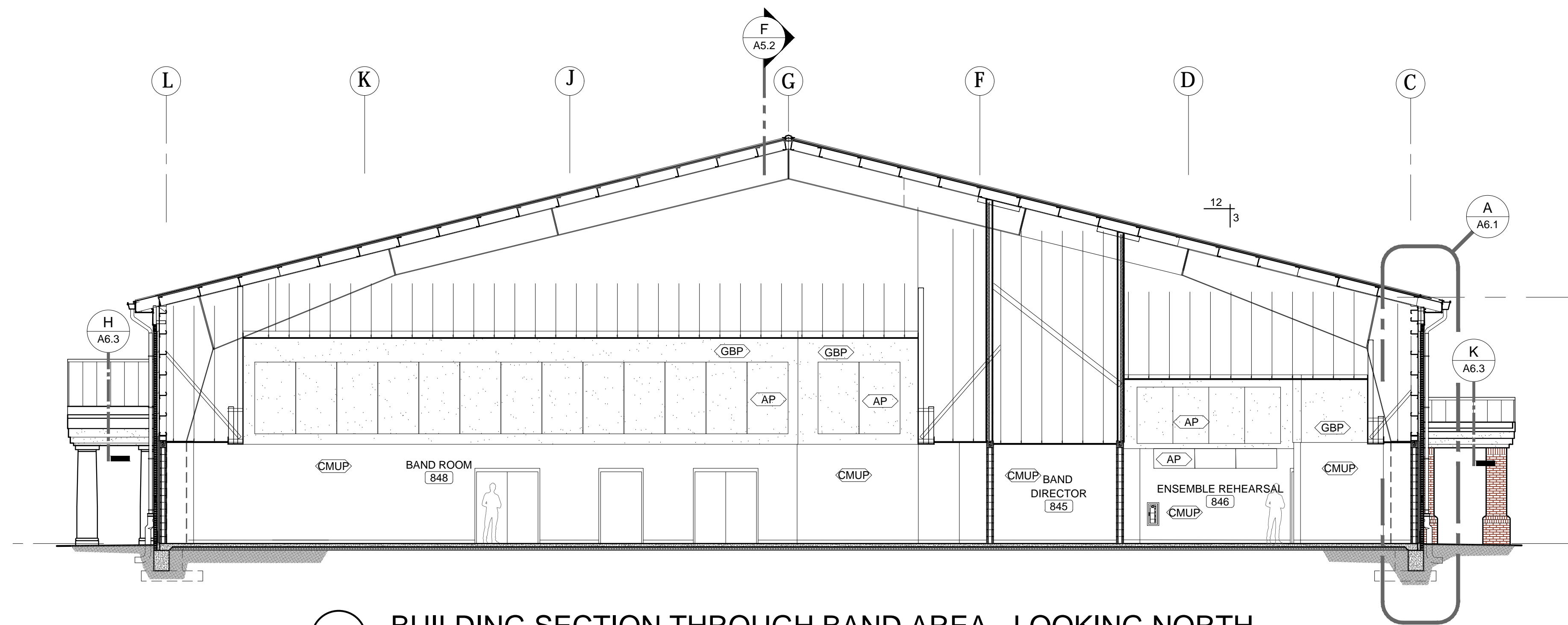
SHEET NO.: **A5.2**

TO  
ROBERTSDALE HIGH SCHOOL

ROBERTSDALE, ALABAMA

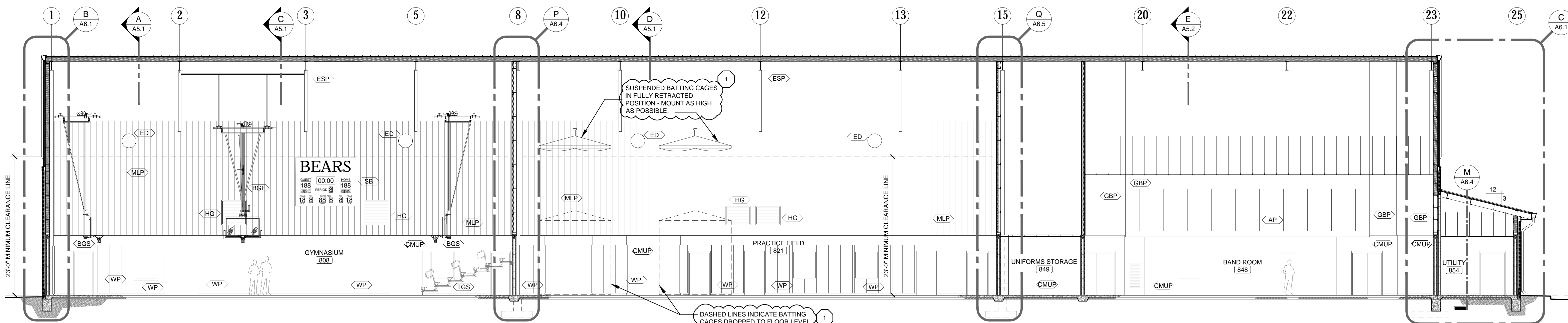
FOR THE

| BUILDING SECTION LEGEND |   |
|-------------------------|---|
| SYMBOL                  | DESCRIPTION                               |
| △P                      | ACOUSTICAL WALL PANELS                    |
| △BGF                    | BASKETBALL GOAL BACKSTOP - FORWARD FOLD   |
| △BGS                    | BASKETBALL GOAL BACKSTOP - SIDE FOLD      |
| △MUP                    | CONCRETE MASONRY UNIT - PAINT             |
| △ED                     | EXPOSED DUCTWORK - NO PAINT (FABRIC DUCT) |
| △ESP                    | EXPOSED STRUCTURE - PAINT                 |
| △GBP                    | GYPSUM BOARD - PAINT                      |
| △HG                     | HVAC GRILLE - SEE MECHANICAL              |
| △MO                     | MASONRY OPENING                           |
| △MLP                    | METAL LINER PANELS                        |
| △SB                     | SCOREBOARD (1 OF 2 IN THE GYMNASIUM)      |
| △TGS                    | TELESCOPIIC GYMNASIUM SEATING             |
| △WP                     | WALL PADS                                 |



**(E) BUILDING SECTION THROUGH BAND AREA - LOOKING NORTH**  
SCALE: 1/8" = 1'-0"

1. "MINIMUM CLEARANCE LINE" IS THE MINIMUM HEIGHT REQUIRED FOR BASKETBALL BACKSTOPS IN THEIR RETRACTED POSITIONS, LIGHT FIXTURES, DUCTS, AND OTHER ITEMS THAT ARE HUNG FROM THE UPPER STRUCTURE. THIS APPLIES TO THE AREA ABOVE THE BASKETBALL COURT, THE TWO TRANSVERSE VOLLEYBALL COURTS, AND THE AREA ABOVE THE PRACTICE FIELD TURF.
2. SEE SHEETS A10.1 AND A10.2 FOR LAYOUTS OF BAND ROOM MUSIC CASEWORK AND ACOUSTICAL WALL PANELS.



**(F) BUILDING SECTION NEAR BUILDING MIDPOINT, LOOKING EAST**  
SCALE: 1/8" = 1'-0"

- Z:\2023\23-195 Additions to Robertsdale High School\CAD Drawings\Architectural\A8.1 Finish Door Window Schedules.dwg  
- Friday, November 17, 2023 10:55:57 AM

ROOM FINISH SCHEDULE

--- NO WORK REQUIRED

AGBP - ACOUSTICAL GYPSUM BOARD - PAINT

GB - GYPSUM BOARD - PAINT

GB - GYPSUM BOARD - NO PAINT

MBP - MOISTURE RESISTANT GYPSUM BOARD - PAINT

MB - MOISTURE RESISTANT GYPSUM BOARD - NO PAINT

IGBP - IMPACT RESISTANT GYPSUM BOARD - PAINT

CMUP - CONCRETE MASONRY UNIT - PAINT

CMU - CONCRETE MASONRY UNIT - NO PAINT

MLP - METAL LINER WALL PANELS

PT - PORCELAIN TILE

RF - RESINOUS FLOORING

SFS - SYNTHETIC SPORTS FLOORING SYSTEM

SC - SEALED CONCRETE

RSF - RUBBER SPORTS FLOORING (BY OWNER, N.I.C.)

VCT - VINYL COMPOSITION TILE

C - CARPET

PF - POLYMER FLOORING

RB - RUBBER BASE

RCB - RESINOUS COVE BASE

PTB - PORCELAIN TILE BASE

| ROOM # | ROOM NAME           | FLOOR   | BASE    | WALLS |       |      |      | CEILING             |        | WAINS. | HEIGHT | REMARKS   |
|--------|---------------------|---------|---------|-------|-------|------|------|---------------------|--------|--------|--------|---|
|        |                     |         |         | NORTH | SOUTH | EAST | WEST | TYPE                | HEIGHT |        |        |   |
| 800    | ENTRANCE LOBBY      | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 801    | LADIES              | RF      | RCB PTB | CMUP  | CMUP  | PT   | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 802    | PIPE CHASE          | SC      | ---     | CMU   | CMU   | CMU  | CMU  | SEE CEILING PLAN    |        |        |        |   |
| 803    | GENTS               | RF      | RCB PTB | CMUP  | CMUP  | CMUP | PT   | SEE CEILING PLAN    |        |        |        |   |
| 804    | JANITOR             | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 805    | MECHANICAL          | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 806    | ELECTRICAL          | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 807    | CONCESSION          | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 808    | GYMNASIUM           | SFS     | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 809    | SPRINKLER RISER     | SC      | ---     | CMU   | CMU   | CMU  | CMU  | SEE CEILING PLAN    |        |        |        |   |
| 810    | CLOSET              | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 810A   | VESTIBULE           | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 810B   | HALL                | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 811    | OFFICE              | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 812    | LAUNDRY             | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 813    | HALL                | RF      | RCB     | CMUP  | CMUP  | CMUP | ---  | SEE CEILING PLAN    |        |        |        |   |
| 814    | GENTS DRESSING      | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 814A   | TOILET & SHOWER     | RF      | RCB PTB | CMUP  | PT    | CMUP | PT   | SEE CEILING PLAN    |        |        |        |   |
| 815    | LADIES DRESSING     | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 815A   | TOILET & SHOWER     | RF      | RCB PTB | CMUP  | PT    | CMUP | PT   | SEE CEILING PLAN    |        |        |        |   |
| 816    | MECHANICAL          | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 817    | TRAINING            | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 818    | OFFICE              | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 819    | HALL                | RF      | RCB     | CMUP  | CMUP  | CMUP | ---  | SEE CEILING PLAN    |        |        |        |   |
| 820    | JANITOR             | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 821    | PRACTICE FIELD      | RF, RSF | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        | SEE FLOOR PLAN FOR FLOOR FINISHES AND FIELD TURF. |
| 822    | GENERAL STORAGE     | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 823    | HALLWAY             | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 824    | MECHANICAL          | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 825    | HALL                | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 826    | STORAGE             | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 827    | LADIES DRESSING     | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 827A   | TOILET & SHOWER     | RF      | RCB PTB | CMUP  | PT    | CMUP | PT   | SEE CEILING PLAN    |        |        |        |   |
| 828    | OFFICE              | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 829    | OFFICE              | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 830    | GENTS DRESSING      | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 830A   | TOILET & SHOWER     | RF      | RCB PTB | CMUP  | PT    | CMUP | PT   | SEE CEILING PLAN    |        |        |        |   |
| 831    | ELECTRICAL & DATA   | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 832    | HALL                | RF      | RCB     | CMUP  | CMUP  | CMUP | ---  | SEE CEILING PLAN    |        |        |        |   |
| 840    | VESTIBULE           | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 841    | SHEET MUSIC CLOSET  | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 842    | LADIES              | RF      | RCB PTB | CMUP  | PT    | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 843    | JANITORS            | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 844    | GENTS               | RF      | RCB PTB | CMUP  | PT    | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 845    | BAND DIRECTOR       | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 845A   | TOILET & SHOWER     | RF      | RCB PTB | CMUP  | PT    | CMUP | PT   | SEE CEILING PLAN    |        |        |        |   |
| 846    | ENSEMBLE REHEARSAL  | LVT     | R       | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN ** |        |        |        | ** HIGH NRC LAY-IN CEILING                        |
| 847    | ASSISTANT DIRECTORS | LVT     | R       | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 848    | BAND ROOM           | LVT     | R       | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN ** |        |        |        | ** HIGH NRC LAY-IN CEILING                        |
| 849    | UNIFORMS STORAGE    | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 850    | HALLWAY             | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 851    | PERCUSSION STORAGE  | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 852    | MECHANICAL          | SC      | ---     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 853    | LOADING VESTIBULE   | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 854    | UTILITY             | RF      | RCB     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 855    | MECHANICAL          | SC      | ---     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |
| 856    | MECHANICAL          | SC      | ---     | CMUP  | CMUP  | CMUP | CMUP | SEE CEILING PLAN    |        |        |        |   |

DOOR TYPES

SCALE: 1/4" = 1'-0"

TYPE "A"

TYPE "B"

TYPE "C"

TYPE "D"

TYPE "E"

TYPE "F"

TYPE "G"

FRAME TYPES

SCALE: 1/4" = 1'-0"

HM1

HM2

HM3

ASF1

ASF2

FRP1

FRP2

GLAZING SCHEDULE

| SYMBOL | DESCRIPTION   |
|--------|---|
| <CT>   | CLEAR TEMPERED  |
| <CTI>  | CLEAR TEMPERED - IMPACT RATED                           |
| <IG>   | INSULATING GLASS - EXTERIOR SHEET IMPACT RATED          |
| <IGO>  | INSULATING GLASS - EXTERIOR SHEET IMPACT RATED          |
| <TIG>  | TEMPERED INSULATING GLASS - EXTERIOR SHEET IMPACT RATED |

WINDOW SCHEDULE

SCALE: 1/4" = 1'-0"

1

2

3

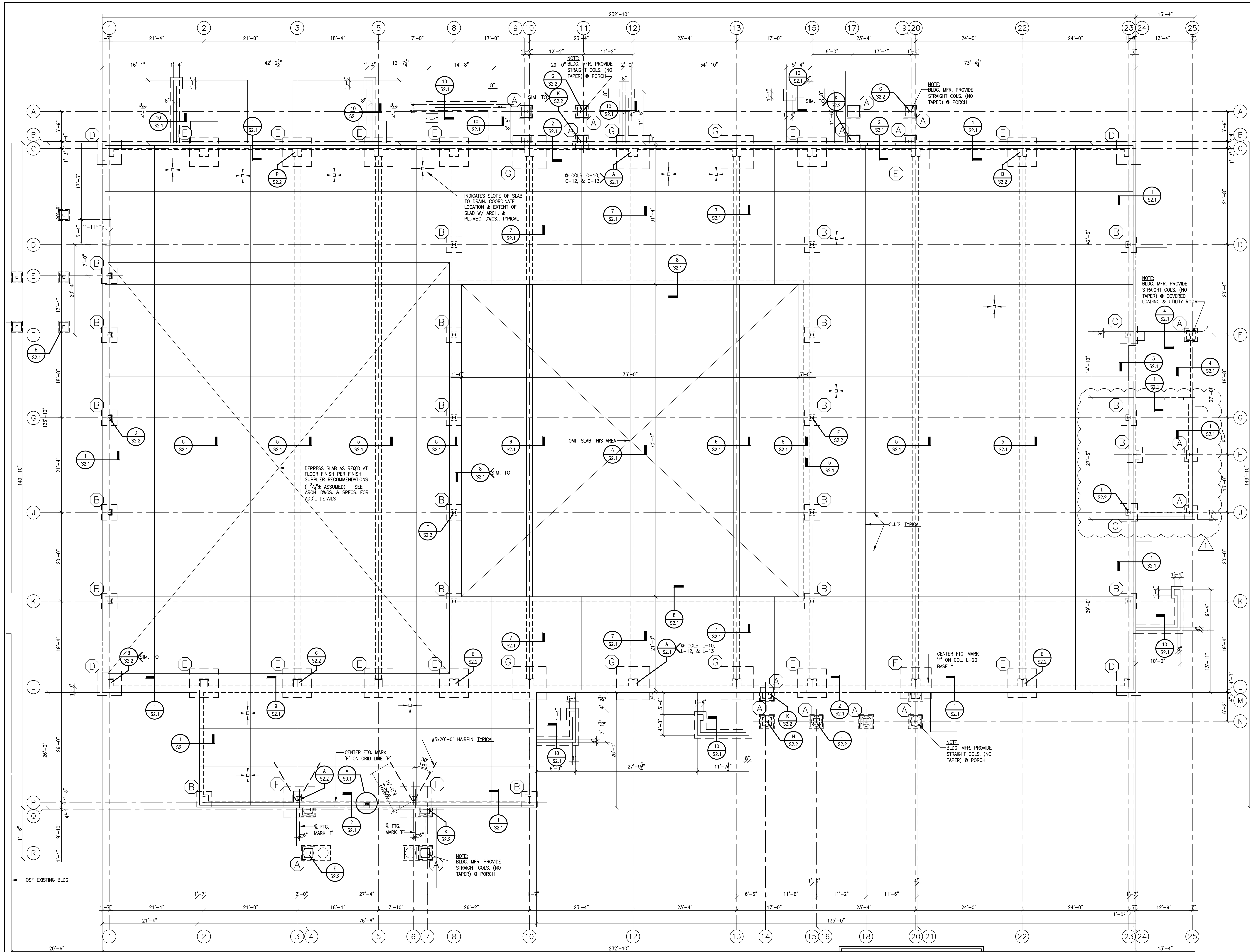
4

5

DOOR SCHEDULE

| DOOR # | WIDTH      | HEIGHT | THICKNESS | MATERIALS                 | DOOR TYPE | DOOR FINISH | FRAME TYPE | FRAME FINISH | LABEL | DETAILS            |                | SIGNAGE                | REMARKS   |
|--------|------------|--------|-----------|---------------------------|-----------|-------------|------------|--------------|-------|--------------------|----------------|------------------------|---|
|        |            |        |           |                           |           |             |            |              |       | HEAD               | JAMB           |                        |   |
| 800a   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | A         | FACTORY     | ASF1       | FACTORY      | ---   | 15/A8.2            | 9/A8.2         | ---                    | INSULATED   |
| 800b   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | A         | FACTORY     | ASF1       | FACTORY      | ---   | 15/A8.2            | 9/A8.2         | ---                    | INSULATED   |
| 801    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 801 LADIES             | ---   |
| 802    | 2'-8"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 802 PIPE CHASE         | ---   |
| 803    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 803 GENTLEMEN          | ---   |
| 804    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 804 JANITORIAL         | ---   |
| 805    | 3'-8"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 805 MECHANICAL         | ---   |
| 806    | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 806 ELECTRICAL         | ---   |
| 807a   | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | B         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 807 CONCESSION         | ---   |
| 807b   | 7'-0"      | 4'-3"  | ---       | COUNTER SHUTTER           | F         | FACTORY     | INTEGRAL   | FACTORY      | ---   | 6/A8.2             | 7/A8.2         | ---                    | CONFIRM SHUTTER SIZE FOR 7'-4" WIDE MASONRY OPENING |
| 808a   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM2        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | ---                    | IMPACT RESISTANT GLASS                              |
| 808b   | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM2        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | ---                    | IMPACT RESISTANT GLASS                              |
| 808c   | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | E         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | ---                    | ---   |
| 808d   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FLUSH WOOD                | B         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | ---                    | ---   |
| 808e   | PAIR 3'-4" | 8'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | E         | FACTORY     | FRP2       | FACTORY      | ---   | 8/A8.2             | 9/A8.2         | ---                    | INSULATED   |
| 808f   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FLUSH WOOD                | B         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | ---                    | ---   |
| 809    | 3'-4"      | 7'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | D         | FACTORY     | FRP1       | FACTORY      | ---   | 8/A8.2             | 9/A8.2         | 809 SPRINKLER RISER    | INSULATED   |
| 810    | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | E         | FACTORY     | HM1        | FACTORY      | ---   | 4/A8.2             | 5/A8.2         | 810 CLOSET             | ---   |
| 810A   | 3'-4"      | 7'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | A         | FACTORY     | ASF2       | FACTORY      | ---   | 8/A8.2             | 9/A8.2         | ---                    | INSULATED   |
| 811    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 811 OFFICE             | ---   |
| 812    | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 812 LAUNDRY            | ---   |
| 814    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 814 GENTLEMEN DRESSING | ---   |
| 815    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 815 LADIES DRESSING    | ---   |
| 816    | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 816 MECHANICAL         | ---   |
| 817    | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | E         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 817 TRAINING           | ---   |
| 818    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 818 OFFICE             | ---   |
| 820    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 820 JANITORIAL         | ---   |
| 821a   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FLUSH WOOD                | B         | FACTORY     | HM3        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 821 PRACTICE FIELD     | ---   |
| 821b   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | E         | FACTORY     | FRP1       | FACTORY      | ---   | 15/A8.2            | 9/A8.2         | ---                    | INSULATED   |
| 823    | PAIR 4'-0" | 8'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | E         | FACTORY     | FRP2       | FACTORY      | ---   | 13/A8.2            | 9/A8.2         | ---                    | INSULATED   |
| 824    | 3'-8"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 824 MECHANICAL         | ---   |
| 826    | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 826 STORAGE            | ---   |
| 827    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 827 LADIES LOCKER ROOM | ---   |
| 828    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 828 OFFICE             | ---   |
| 829    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 829 OFFICE             | ---   |
| 830    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 830 GENTS LOCKER ROOM  | ---   |
| 831    | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 831 ELECTRICAL & DATA  | ---   |
| 840a   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | A         | FACTORY     | FRP2       | FACTORY      | ---   | 13/A8.2            | 9/A8.2         | ---                    | INSULATED   |
| 840b   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM4        | PAINT        | ---   | BRACE TO STRUCTURE | 5/A8.2 SIMILAR | ---                    | ---   |
| 841    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | B         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 841 MUSIC CLOSET       | ---   |
| 842    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 842 LADIES             | ---   |
| 843    | 3'-4"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 843 JANITORIAL         | ---   |
| 844    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 844 GENTLEMEN          | ---   |
| 845    | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 845 BAND DIRECTOR      | ---   |
| 845a   | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 845A SHOWER            | ---   |
| 845b   | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | D         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 845A SHOWER            | ---   |
| 846    | 3'-0"      | 7'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | D         | FACTORY     | FRP1       | FACTORY      | ---   | 8/A8.2             | 9/A8.2         | ---                    | INSULATED   |
| 847a   | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 847 ASSISTANT DIRECTOR | ---   |
| 847b   | 3'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | C         | FACTORY     | HM1        | FACTORY      | ---   | 4/A8.2             | 5/A8.2         | ---                    | ---   |
| 848a   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | ACOUSTICAL METAL DOOR     | B         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 848 BAND REHEARSAL     | 50 STC WITH SOUND STRIPS & DROP SEAL                |
| 848b   | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FIBERGLASS REINF. PLASTIC | E         | FACTORY     | HM1        | FACTORY      | ---   | 13/A8.2            | 9/A8.2         | ---                    | INSULATED   |
| 849    | PAIR 3'-0" | 7'-0"  | 1 3/4"    | FLUSH WOOD                | B         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 849 STORAGE            | ---   |
| 850a   | 4'-0"      | 7'-0"  | 1 3/4"    | FLUSH WOOD                | B         | FACTORY     | HM1        | PAINT        | ---   | 4/A8.2             | 5/A8.2         | 850 HALLWAY            | ---   |
| 850b   | 4'-0"      | 7'-0"  |           |                           |           |             |            |              |       |                    |                |                        |   |

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**FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"

**FLOOR CONSTRUCTION**  
4" THICK CONCRETE SLAB W/  
6x6-W1.4xW1.4 W.W.F. OVER VAPOR  
BARRIER OVER 6" POROUS FILL.  
FINISH FLOOR ELEVATION = 142'-6 1/2"

NOTE:  
UNLESS NOTED OTHERWISE, TOP OF COLUMN  
FOOTING EL. = 139'-10 1/2"  
  
TOP OF PIER (T.O.P.) EL. SHALL BE  
(-0'-8") UNLESS NOTED OTHERWISE. EXTEND  
VERT. REINF. TO 1" BELOW TOP OF SLAB

NOTE:  
PROVIDE A TYPICAL THICKENED SLAB  
UNDER ALL C.M.U. PARTITIONS NOT  
BEARING ON A FOOTING. SEE SHEET  
S0.1 FOR TYPICAL DETAIL.

NOTE:  
PROVIDE M.C.J.'S @ 25'-4"  
MAXIMUM SPACING. SEE MASONRY  
GENERAL NOTE "6" ON SHT. S0.1 &  
TYPICAL MASONRY CONTROL JOINT  
DETAIL ON SHEET S0.1. COORDINATE  
EXACT LOCATIONS W/ ARCH.

SHEET TITLE : FOUNDATION PLAN

MCKEE JOB # : 23-195

DRAWN BY : RAS

DATE : 10.11.2023

REVISED DATE : 11.17.2023

REVISED DATE :

REVISED DATE :

SHEET NO. : **S1.1**

ADDITIONS

TO

**ROBERTSDALE HIGH SCHOOL**

ROBERTSDALE, ALABAMA

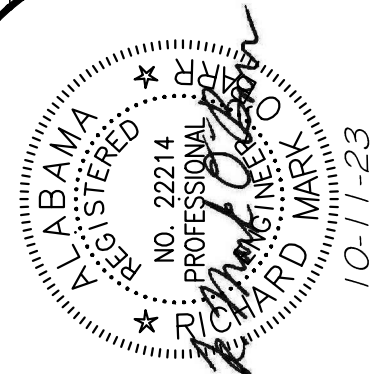
FOR THE

**BALDWIN COUNTY BOARD OF EDUCATION**

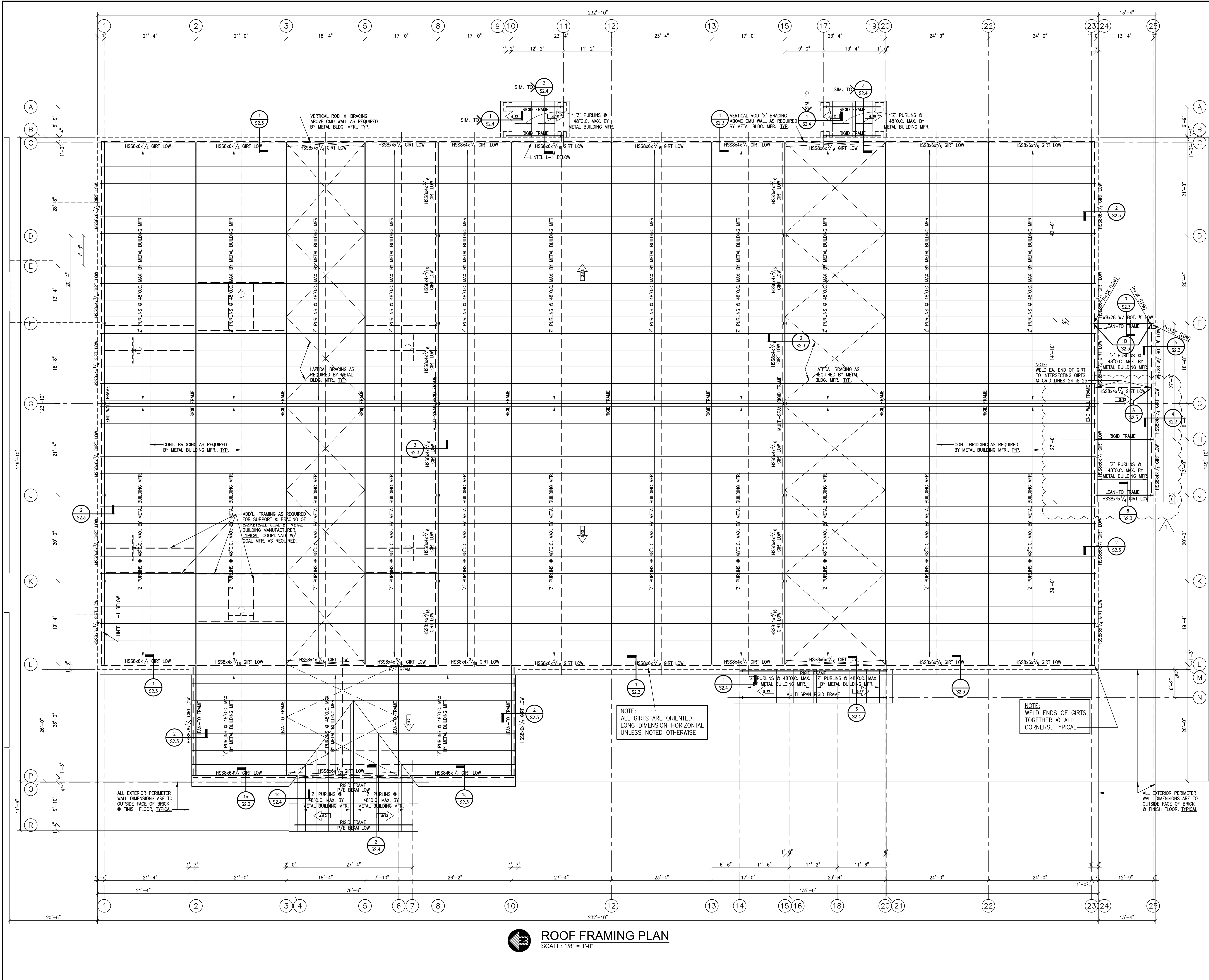
**MCKEE & ASSOCIATES**

ARCHITECTS, INC.

631 SOUTH HULL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9933



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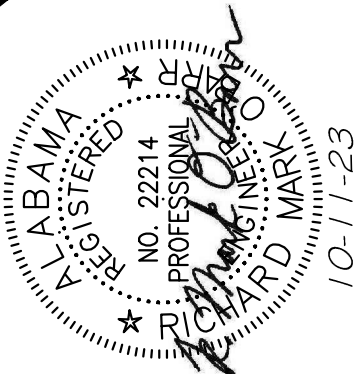
**ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"

ADDITIONS  
TO  
**ROBERTSDALE HIGH SCHOOL**  
ROBERTSDALE, ALABAMA

FOR THE  
**BALDWIN COUNTY BOARD OF EDUCATION**

**MCKEE & ASSOCIATES**  
ARCHITECTS, INC.

631 SOUTH HULL STREET, MONTGOMERY, ALABAMA 36104 (334) 834-9933



SHEET TITLE : ROOF FRAMING PLAN

MCKEE JOB # : 23-195

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DATE : 10.11.2023

REVISED DATE : 11.17.2023

REVISED DATE :

REVISED DATE :

SHEET NO. : **S1.2**