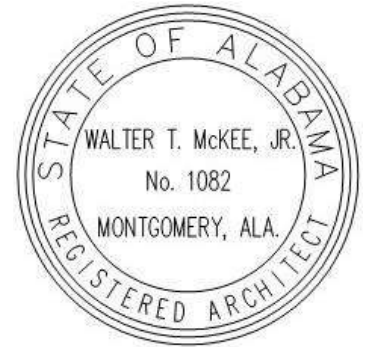


Addendum No. 2  
Date: April 16, 2026



Project:  
**Site Improvements and Interior Alterations to  
Fairhope High School for the  
Baldwin County Public Schools  
Fairhope, Alabama**

**MCKEE PROJECT NO. 25-160B  
ALABAMA DIVISION OF CONSTRUCTION MANAGEMENT NO. 2026083**

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

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

**A2.1 GENERAL MODIFICATIONS:**

- A. Refer to the Pre-Bid Meeting Sign-In Sheet, herein.
- B. Refer to Table of Contents (**Revised 04.16.26**), herein.
- C. Refer to Section 01011 Contingency Allowance (**Revised 04.16.26**), herein.

**A2.2 SPECIFICATION MODIFICATIONS:**

- A. Refer to Section 02100 Site Preparation, herein.
- B. Refer to Section 02200 Earthwork, herein.
- C. Refer to Section 02201 Soils Report, herein..
- D. Refer to Section 02282 Termite Control, herein.
- E. Refer to Section 02513 Asphaltic Pavement, herein.
- F. Refer to Section 02660 Water Distribution, herein.
- G. Refer to Section 02720 Storm Sewers, herein.
- H. Refer to Section 02730 Sanitary Sewers, herein
- I. **DELETE** Section 02825 Ornamental Fencing and Gates, herein.
- J. Refer to Section 02830 Temporary Fencing and Gates, herein.
- K. **DELETE** Section 08100 Aluminum Storefront (Wind Resistant), herein.
- L. Refer to Section 08310 Coiling Counter Doors, herein.
- M. Refer to Section 08330 Coiling Doors (**Revised 04.16.26**), herein.
- N. **DELETE** Section 08520 Aluminum Windows, Single Hung, herein.
- O. The following products have been approved by substitution request per specifications
  - 1. Section 09651 Luxury Vinyl Tile Flooring/ Patcraft/ Dalton, GA 334-466-7942
  - 2. Section 09651 Luxury Viny Tile Flooring/ Shaw Contract/ Dalton, GA 334-354-2703
- P. The following product have been approved by substitution request per specifications
  - 1. Section 09680 Carpet Tile/ Shaw Contact/ Dalton, GA 334-354-2703
- Q. Refer to Section 12304 Laminate Clad Countertops and Casework, herein.
- R. **DELETE** Section 12320 Media Center Casework, herein.

S. The following manufacturer has been approved by substitution request per specifications:

1. 13120 Pre-Engineered Metal Building/ Vulcan Steel Structures/ Adel, GA/ 229-896-7903

## **A2.2 DRAWING MODIFICATIONS:**

A. Refer to the following revised drawing sheets as follows:

1. D1.1 (**Revised 04-08-2026**), herein.
2. A1.2, A7.1, and A8.1 (**Revised 04-16-2026**), herein.
3. A0.1, A8.2, and A10.1 (**Revised 04-08-2026**), herein.

**END OF ADDENDUM**



# Sign in Sheet

Contractor: \_\_\_\_\_

Weather this date: \_\_\_\_\_

Date: April 14, 2026 at 10:00AM  
 McKee Project # 25-160B D.C.M. # 2026083  
 Project: Site Improvements and Interior Renovations - Fairhope High School  
 Owner: Baldwin County Public Schools  
 Location: Fairhope High School

This is a Non-Mandatory Pre-bid Meeting for the above listed job. People present are listed below.

Name	Company	Phone	Email
JACKY BARGALIRE	McKee	994-546-7970	
Jeffrey Redman	Bayshore Const	251-243-5492	jeffrey@bayshoreconstructionco.com
NICK HENRY	Brock Civil	475-204-8125	NickHenry@Brock-Civil.com
STEPHEN REYNOLDS	HILLER	251-508-5393	Stephen.Reynolds@HillicaCompanies.com
Nick Ruggs	Kingdom Const group	251-554-7780	Spencer@kcausa.com
Jay Collins	The Green Simmons Co	850-264-3515	JAMARCS@GREEN-SIMMONS.COM
Ronnie Reed	REED FIRE	251-653-4711	RREED@REEDFIREPROTECTION.COM
Leo Wilkerson	Steward Construction Company	251-223-6899	Leo@StewardConstructionCompany.net
STEVE ROBINSON	BAYSHORE	251-937-3333	STEVE@BAYSHORECONSTRUCTIONCO.COM
Caleb Nichols	Harrison	205-657-8176	cnichols@harrison-const.com
Will Majure	Harrison	251-232-3897	wmajure@harrison-const.com
STEPHEN BARBUTI	BAYSIDE RESTORE	251-325-8958	STEPHEN@BAYSIDERESTORE.COM
Randy Sanks	BCBOE	251-752-4619	
CHRIS COPELAND	FULCRUM	256-345-1148	chris.copeland@fulcrumgroup.com
Chase Boyce	Colin	251-554-3769	chase@colinbuilds.com
Zach Fischer	C Roberts	251-615-6649	Zach@crobertsdssc.com
Jennifer English	Triptek	251-714-3247	jennifer@triptekllc.com
Lissa McKee	Personnel Services	251-721-1156	lids@personnel-services.com
Chris Sinks	Gulf Builders	251-463-6727	Chris@gulfbuilders.com

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## Site Improvements and Interior Alterations

to

## Fairhope High School

for the

## Baldwin County Board of Education

Fairhope, Alabama

**MCKEE PROJECT NO. 25-160B**

### **BIDDING REQUIREMENTS**

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

### **CONTRACT FORMS**

- Preparation and Approval of Construction Contracts and Bonds (DCM Form B-7)
- Construction Contract (DCM Form C-5)
- Performance Bond (DCM Form C-6)
- Payment Bond (DCM Form C-7)
- General Conditions of the Contract (DCM Form C-8)
- Instructions for Contractor's Insurance Company (Article 37 of DCM Form C-8)
- Supplement to General Conditions of the Contract (McKee Form)
- State of Alabama Disclosure Statement Form, Required by Article 3B of Title 41, Code of Alabama 1975 with Information and Instructions regarding Relationships Between Contractor/Grantees and Public Officials/Employees.
- State of Alabama E-Verify Memorandum of Understanding Instructions *with* ABC Bulletin *and* Revised Alabama Immigration Law Guidance for School Boards.
- Supplemental E-Verify Memorandum of Understanding (McKee Form)
- Alabama Department of Revenue – Sales and Use Tax Division – Application for Sales and Use Tax Certificate of Exemption (ST: EX-01)
- Alabama Department of Real Property Management Division of Construction Management Permit Fee & Re-Inspection Fee Calculation Worksheet

## **GENERAL CONDITIONS**

- Pre-Construction Conference Checklist (DCM Form B-8)
- Detail Of Project Sign (DCM Form C-15)
- Application and Certificate for Payment (DCM Form C-10)
- Schedule Of Values, (DCM Form C-10SOV, Attachment to DCM Form C-10)
- Inventory Of Stored Materials, (DCM Form C-10SM, Attachment to DCM Form C-10)
- Progress Schedule and Report (DCM Form C-11,)
- Change Order Checklist, (DCM Form B-12, For Use With DCM Form C-12)
- Contract Change Order (DCM Form C-12 (fully locally-funded K-12 Schools))
- Change Order Justification (DCM Form B-11) Attachment to DCM Form C-12
- Change Order Proposal Recap Sheet (Lathan Mckee Form, LM 0825)
- General Contractor's Roofing Guarantee (DCM Form C-9)
- Certificate of Substantial Completion (DCM Form C-13 & 13A)
- Final Payment Checklist (DCM Form B-13)
- Contractor's Affidavit of Payment of Debts and Claims (DCM Form C-18)
- Contractor's Affidavit of Release of Liens (DCM Form C-19)
- Consent of Surety to Final Payment (DCM Form C-20)
- Form of Advertisement for Completion (DCM Form C-14)
- Fire Alarm Contractor's Permit Application
- Certificate of Asbestos Free Building Materials (McKee Form)

## **TECHNICAL SPECIFICATIONS**

### **DIVISION 01 GENERAL REQUIREMENTS**

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01010	Scope of Work
01011	Contingency Allowances
01250	Contract Modification Procedures
01290	Payment Procedures
01320	Construction Progress Documentation
01322	Photographic Documentation
01330	Submittal Requirements
01500	Temporary Facilities and Controls
01600	Product Requirements
01700	Execution Requirements
01770	Closeout Procedures
01781	Project Record Documents

Site Improvements and Interior Alterations to  
Foley High School for the  
Baldwin County Schools  
Fairhope, Alabama

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01820            Demonstration and Training

**DIVISION 02    SITE WORK**

02070            Selective Demolition  
02701            Demolition  
**02200            Earthwork**  
**02201            Soils Report**  
**02282            Termite Control**  
**02513            Asphaltic Concrete Paving**  
**02514            Portland Concrete Paving**  
**02660            Water Distribution**  
**02720            Storm Sewers**  
**02730            Sanitary Sewers**  
02811            Seeding and Topsoil  
**02830            Temporary Fencing and Gates**

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03950            Concrete Sealer

**DIVISION 04    MASONRY**

04200            Unit Masonry  
04720            Architectural Cast Stone

**DIVISION 05    METAL**

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05400            Cold Formed Metal Trusses  
05500            Miscellaneous Steel and Metal Fabrications  
05540            Metal Studs

**DIVISION 06    CARPENTRY**

06100            Rough Carpentry  
06241            Solid Surface Fabrications

**DIVISION 07    MOISTURE PROTECTION**

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07500            Membrane Roofing

Site Improvements and Interior Alterations to  
Foley High School for the  
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08211	Wood Doors
08220	Fiberglass Reinforced Plastic (FRP) Doors
08330	Coiling Doors
08380	Traffic Doors (Kitchen)
08410	Aluminum Storefront (Exterior Windows)
08700	Finish Hardware
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**DIVISION 09 FINISHES**

09250	Gypsum Drywall
09290	Glass Fiber Reinforced Cement Column Covers
09510	Acoustical Ceilings
09650	Rubber Base
09651	Luxury Vinyl Tile (LVT)
09672	Resinous Flooring
09680	Carpet
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10200	Louvers
10410	Identifying Devices
10440	Fire Extinguishers and Accessories
10500	Lockers
10800	Toilet Accessories

**DIVISION 11 EQUIPMENT**

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**DIVISION 12 FURNISHINGS**

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**DIVISION 13      SPECIAL CONSTRUCTION**

- 13120      Pre-Engineered Metal Building
- 13670      Extruded Aluminum Walkway Cover

**DIVISION 14      CONVEYING SYSTEM**

Not Applicable

**DIVISION 15      MECHANICAL**

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- 15510      Fire Protection System
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- 16730      GPS Wireless Clock Systems
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- 16950      Communications

**END OF TABLE OF CONTENTS**

## 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 Thousand Dollars (\$100,000.00)** 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. **Five Hundred Thousand Dollars (\$500,000.00)** as a contingency to cover furnishings.
  3. **One Hundred Fifty Thousand Dollars (\$150,000.00)** as a contingency to cover the costs of a two-way emergency radio system.
  4. **Wind Damage Deductible-** as a contingency. See Supplement to General Conditions of the Contract; **Article 37, 2.**

- 2.2 The Contractor shall include in his bid proposal(s) all costs of office, job supervision, overhead, profit, and bond on these Contingency Allowances, because no such costs will be paid to Contractor for work performed under these Contingency Allowances. Only the direct costs of performing work under this provision shall be paid under and charged against the Contingency Allowance; such cost includes costs of materials and delivery, installation labor, payroll taxes and insurance, equipment expense, and the cost of subcontracted work (subcontractor's cost may include a maximum of 15% mark-up for overhead and profit).

### 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.

**3.4 CONTINGENCY ALLOWANCE AUTHORIZATION FORM**

Form to be filled in its entirety.

To: Lathan Mckee, 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**

Site Improvements and Interior Alterations to  
 Fairhope High School for the  
 Baldwin County Public Schools  
 Fairhope, Alabama

CONTINGENCY ALLOWANCE  
 01011-2  
**Revised 04.16.26-Addendum #2**

## SECTION 02100 - SITE PREPARATION

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 DESCRIPTION OF WORK

- B. Perform site preparation work as shown and specified. Site preparation includes, but is not limited to the following:
  1. Protection of existing trees to remain
  2. Removal of trees and other vegetation.
  3. Stripping and stockpiling of topsoil.
  4. Clearing and grubbing.
  5. Removing above grade improvements.
  6. Removing below grade improvements.
  7. Installation of erosion control devices.

#### 1.3 JOB CONDITIONS

- A. Protection of Existing Trees and Vegetation: Protect existing trees and other vegetation indicated to remain in place, against unnecessary cutting, breaking or skinning of roots, skinning and bruising of bark, smothering of trees by stockpiling construction materials or excavated materials within drip line, excess foot or vehicular traffic, or parking of vehicles within drip line. Provide temporary guards to protect trees and vegetation to be left standing. Leave all protection in place and maintain until construction work has been completed and all danger of damage has passed. Protection shall be removed only after approval is given by Architect.

#### 1.4 QUALITY ASSURANCE

- A. **The General Contractor shall obtain (*In accordance with ADEM Admin. Code Chapter 335-6-12*) an ADEM storm water permit from the State of Alabama. An NPDES construction site also includes construction sites, irrespective of size, whose stormwater discharges have a reasonable potential to be a significant contributor of pollutants to a water of the State, or whose stormwater discharges have a reasonable potential to cause or contribute to a violation of an applicable Alabama water quality standard as determined by the Department. The General Contractor shall include in Base Bid all permit fees associated to obtain this permit. The Contractor shall submit a Notice of Registration, the fee and develop a Construction Best Management Practices Plan (CBMPP) prior to construction and shall maintain all erosion control measures until the permit is relinquished.**
- A. The Contractor shall use care when working near existing and future installed Best Management Practice (BMP) structures to prevent damage to the structures resulting in erosion and storm water runoff containing silt and soil from the site. The Contractor shall walk the site and verify the condition of the BMP structures during the execution of the work. Any repair work that is deemed necessary as a result of damage caused by the Contractor shall be the responsibility of the Contractor and shall be performed prior to payment of the next scheduled payment application.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Temporary Soil Erosion and Sediment Control Items: Items including silt fence, wattles, inlet protection, sand bags and other erosion control items are to meet the requirements of Section 665 of the Alabama Department of Transportation Standard Specifications for Highway Construction (ALDOTSSH), latest edition.

## **PART 3 - EXECUTION**

### **3.1 EROSION CONTROL**

- A. Prior to the starting of any work, install erosion control measures as required in the Erosion Control or Best Management Practice Plan. Maintain all erosion control measures in place during full construction period and until such time as the site is substantially vegetated. Install erosion control measures in accordance with Section 665 of the Alabama Department of Transportation Standard Specifications for Highway Construction (ALDOTSSH), latest edition, and the manufacturer's recommendations. Inspection of the silt fence shall be daily, and repair or replacement must be made promptly as required. Any sediment collected by the erosion control measures must be removed when it reaches 6" in height. Erosion control measures shall be removed only after approval is given by the Architect. Removal of erosion control measures is to be carried out by the Contractor who installed the measures.

### **3.2 SITE CLEARING**

- A. General: Remove vegetation, improvements or obstructions interfering with installation of new construction and within limits indicated on the Drawings. Remove all demolished items from the site. Removal includes digging out stumps and roots. Carefully and cleanly cut roots and branches of trees indicated to be left standing where such roots and branches obstruct new construction.
- B. Clearing and Grubbing: Clear site of trees, shrubs and other vegetation, except for those indicated to be left standing. Completely remove stumps, roots and other debris protruding through ground surface. Do not grub inside the drip line of trees to remain. On site burning is not permitted.
- C. Fill depressions caused by clearing and grubbing operations with satisfactory soil material, unless further excavation or earthwork is indicated. Place fill material in horizontal layers not exceeding 8" loose depth and thoroughly compact to a density equal to adjacent original ground.
- D. Positive drainage must be maintained or installed by the Contractor to insure that storm water runoff flows to the proper drainage structure or swale.
- E. Restore all areas disturbed by construction activities and which are outside the limits of clearing as indicated on the drawing to their original condition. The expense for this work will be borne by the contractor. The work must be in accordance with the directions of the Architect.

### **3.3 STRIPPING TOPSOIL**

- A. Topsoil is defined as friable clay loam surface soil found in a depth of not less than 4". Satisfactory topsoil is reasonably free of subsoil, clay lumps, stones and other objects over 2" in diameter, and without weeds, roots and other objectionable material. Strip topsoil to its full depth at all areas to be regraded, resurfaced or paved in a manner to prevent intermingling with underlying subsoil or other objectionable material. Remove heavy growths of grass from areas before stripping. Where trees are indicated to be left standing, stop topsoil stripping at drip line, unless directed otherwise, to prevent damage to main root system. Stockpile topsoil in storage piles in a location acceptable to the Architect. Construct storage piles to freely drain surface water. Cover storage piles if required to prevent wind-blown dust. Maintain topsoil storage piles separate from other stockpiled soil materials.

### **3.4 SITE IMPROVEMENTS**

- A. Remove above grade and below grade improvements necessary to permit construction, and other work as indicated. Abandonment or removal of certain underground pipe or conduits are shown on the civil drawings and is included under work of those sections. Removal of abandoned underground piping or conduit interfering with construction is included under this section.

### **3.5 DISPOSAL OF WASTE MATERIAL**

- A. Removal from Owner's Property: Remove waste materials, including unacceptable excavated materials, trash and debris, and legally dispose of it off Owner's property site, in area approved by all local authorities and ADEM.

**END OF SECTION**

## SECTION 02200 – EARTHWORK

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract including General and Supplementary Conditions and Division 1 Specification Sections apply to work of this section.
- B. Geotechnical Report is included at the end of this section and is an integral part of this specification.**

#### 1.2 DESCRIPTION OF WORK

- A. Extent of earthwork is indicated on drawings.
  - 1. Rough grading
  - 2. Preparation of subgrade for building slabs and walks is included as part of this work.
  - 3. Drainage fill course for support of building slabs is included as part of this work.
- B. Excavation for Mechanical/Electrical Work: Refer to Division 15 and 16 sections for excavation and backfill required in conjunction with underground mechanical and electrical utilities and buried mechanical and electrical appurtenances; not work of this section.
- C. Codes and Standards: Perform excavation work in compliance with applicable requirements of governing authorities having jurisdiction.
- D. Testing and Inspection Service:
- E. The **Owner** will select a firm for soil testing and inspection service for quality control testing during earthwork, and Owner to pay costs.
- F. Retesting of rejected materials and installed work shall be done at the Contractor's expense.
- G. Referenced Standards: Where the term "Referenced Standard" is used in these Project Specifications, it shall be interpreted as **referring to the current edition of "Standard Specifications for Highway Construction, 2018 or latest edition" of Alabama Department of Transportation "**. Referenced Divisions of the "Standard" are hereby made a part of this Project Specification insofar as they may be termed applicable. In no case will requirements for "Method of Measurement" and "Basis of Payment" be considered as applicable to this Project Specification.

#### 1.3 JOB CONDITIONS

- A. Existing Utilities: Locate existing underground utilities in areas of work. If utilities are to remain in place, provide adequate means of support and protection during earthwork operations.
- B. Should uncharted or incorrectly charted, piping or other utilities be encountered during excavation, consult utility Owner immediately for directions. Cooperate with Owner and utility companies in keeping respective services and facilities in operation. Repair damaged utilities to satisfaction of utility owner.
- C. Use of Explosives: The use of explosives is not permitted.
- D. Protect structures, utilities, sidewalks, pavements, and other facilities from damage caused by settlement, lateral movement, undermining, washout and other hazards created by earthwork operations.
  - 1. Perform excavation within drip-line of large trees to remain by hand and protect the root system from damage or dryout to the greatest extent possible. Maintain moist condition for root system and cover exposed roots with burlap. Paint root cuts of 1" diameter and larger with emulsified asphalt tree paint.

## PART 2 – PRODUCTS [NOT APPLICABLE]

### PART 3 - EXECUTION

#### 3.1 GENERAL

- A. Prior to the start of excavation and fill placement, the site should be cleared of existing improvements. Additionally, remnant elements associated with previously demolished structures, should be removed. Demolition should include removal of pavements, slabs, and all below grade structures including basement slabs, foundations, and walls. Utility lines will require routing or removal, as appropriate.
- B. Any existing fill materials that are encountered in the planned building area should be completely removed, plus 10 feet beyond.
- C. Areas that are at final grade, or that will require new fill placement, should be evaluated through proofrolling, prior to new fill placement or construction.
- D. Vegetation, topsoil, rootmat, and all organic materials should be completely removed from the site. Excavations resulting from demolition and vegetation removal should be backfilled in a controlled manner with engineered fill.

#### 3.2 FILL PLACEMENT

- A. All material used as structural fill should be relatively free of organics and other deleterious materials. Soil fill should exhibit a Liquid Limit less than 50, a Plasticity Index less than 30, and a maximum dry density of at least 100 pcf. Soil fill should contain no more than 30% rock, and individual rock fragments in the fill should be less than 4 inches in largest dimension.
- B. Soil fill must be placed in an environment free of excess water. Therefore, free-draining granular material (such as ALDOT # 57 crushed aggregate) should be used as the initial lift(s) of fill in areas containing water seepage.
- C. Soil fill should be placed in lifts not exceeding eight inches in loose measure. Individual lifts of fill should be moisture conditioned to within  $\pm 2\%$  of the optimum moisture content and compacted to a minimum of 98% of the Standard Proctor (ASTM D -698) maximum dry density.
- D. Soil may require wetting or drying to achieve proper compaction. Thinner lifts and manually operated equipment will be required to achieve proper compaction in limited access areas such as utility trenches and around manholes and inlets.
- E. Soil compaction testing should be performed during fill placement. Testing will give an indication of the contractor's performance with regard to soil density and moisture content requirements established in the project specifications. Compaction testing should be performed at random locations on each lift of fill placed to provide statistically relevant testing data. The frequency of density testing should be at least one test per lift for every 2,500 square feet of fill placed in building areas and 10,000 square feet in pavement and sidewalk areas (minimum of 3 tests per lift). Each lift of fill placed in utility trenches should be tested on 50-foot centers. A minimum of 3 tests should be performed on all fill lifts.
- F. Following construction, the foundations and underlying soils should be isolated from sources of excess water. Grades adjacent to the structure should be adjusted so that surface water flows away from the foundations. In no case should water be allowed to pond over newly-constructed footings. Roof drains and downspouts from the new buildings should be directed away from the foundations. Additionally, soils adjacent to foundations should consist of properly compacted, engineered fill to minimize water infiltration. The on-site soils contained fine-grained particles and will be adversely affected by excess water.
- G. To reduce the potential for water migration through the floor slab, ground-supported slabs should be underlain by a capillary break consisting of a minimum of 4 inches of compacted, free-draining, coarse, granular material (such as ALDOT #57 crushed stone). Depending on the type of floor coverings to be used, the owner may also elect to install a vapor barrier typically consisting of 10 mil polyethylene sheeting. The sheeting will reduce the infiltration of water vapor through the slab and the potential for damage to floor coverings. Note, that the use of a vapor barrier will increase the potential for plastic shrinkage cracking during curing of the concrete slab.

### 3.3 EXCAVATION

- A. Excavation is Unclassified, and includes excavation to subgrade elevations indicated, regardless of character of materials and obstructions encountered.
- B. Earth Excavation includes excavation of pavements and other obstructions visible on ground surface; underground structures, utilities and other items indicated to be demolished and removed; together with earth and other materials encountered that are not classified as rock or unauthorized excavation.
- C. Unauthorized excavation consists of removal of materials beyond indicated subgrade elevations or dimensions without specific direction of Architect/Engineer. Unauthorized excavation, as well as remedial work directed by Architect/Engineer, shall be at Contractor's expense.
- D. Under footings, foundation bases, or retaining walls, fill unauthorized excavation by extending indicated bottom elevation of footing or base to excavation bottom, without altering required top elevation. Lean concrete fill may be used to bring elevations to proper position, when acceptable to Architect/Engineer.
- E. Elsewhere, backfill and compact unauthorized excavations as specified for authorized excavations of same classification, unless otherwise directed by Architect/Engineer.
- F. Additional Excavation: When excavation has reached required sub-grade elevations, notify Architect/Engineer who will make an inspection of conditions.
- G. If unsuitable bearing materials are encountered at required subgrade elevations, carry excavations deeper and replace excavated material as directed by Architect/Engineer.
- H. Removal of unsuitable material and its replacement as directed will be paid on basis of contract conditions relative to changes in work.
- I. Stability of Excavations: Slope sides of excavations to comply with local codes and ordinances having jurisdiction. Shore and brace where sloping is not possible because of space restrictions or stability of material excavated.
- J. Maintain sides and slopes of excavations in safe condition until completion of backfilling.
- K. Dewatering: See civil drawings for drainage plan recommendation for controlling ground water during initial construction phase. Prevent surface water from flowing into excavations and from flooding project site and surrounding area.
- L. Do not allow water to accumulate in excavations. Remove water to prevent softening of foundation bottoms, undercutting footings, and soil changes detrimental to stability of subgrades and foundations. Provide and maintain pumps, well points, sumps, suction and discharge lines, and other dewatering system components necessary to convey water away from excavations.
- M. Establish and maintain temporary drainage ditches and other diversions outside excavation limits to convey rainwater and water removed from excavations to collecting or run-off areas. Do not use trench excavations as temporary drainage ditches.
- N. Material Storage: Stockpile satisfactory excavated materials where directed, until required for backfill or fill. Place, grade and shape stockpiles for proper drainage.
- O. Locate and retain soil materials away from edge of excavations. Do not store within drip line of trees indicated to remain.
- P. Dispose of excess soil material and waste materials as herein specified.
- Q. Excavation for Structures: Conform to elevations and dimensions shown within a tolerance of plus or minus 0.10', and extending a sufficient distance from footings and foundations to permit placing and removal of concrete formwork, installation of services, other construction, and for inspection.
- R. In excavating for footings and foundations, take care not to disturb bottom of excavation. Excavate by hand to final grade just before concrete reinforcement is placed. Trim bottoms to required lines and grades to leave solid base to receive other work.

- S. Excavation for Pavements: Cut surface under pavements to comply with cross-sections, elevations and grades as shown.
- T. Excavation for Trenches: Dig trenches to the uniform width required for particular item to be installed, sufficiently wide to provide ample working room. Provide 6" to 9" clearance on both sides of pipe or conduit. Excavate trenches to depth indicated or required. Carry depth of trenches for piping to establish indicated flow lines and invert elevations.
- U. Where rock is encountered, carry excavation 6" below required elevation and backfill with a 6" layer of crushed stone or gravel prior to installation of pipe.
- V. Except as otherwise indicated, excavate for exterior waterbearing piping (water, steam, condensate, drainage) so top of piping is not less than 2'-6" below finished grade.
- W. Grade bottoms of trenches as indicated, notching under pipe bells to provide solid bearing for entire body of pipe.
- X. Backfill trenches with concrete where trench excavations pass within 18" of column or wall footings and which are carried below bottom of such footings, or which pass under wall footings. Place concrete to level of bottom of adjacent footing.
  - 1. Concrete is specified in Division 3.
- Y. Do not backfill trenches until tests and inspections have been made and backfilling authorized by Architect/Engineer. Use care in backfilling to avoid damage or displacement of pipe systems.
- Z. Excavation for utilities shall conform to manufacturer's recommendations for the type material used.
- AA. Cold Weather Protection: Protect excavation bottoms against freezing when atmospheric temperature is less than 35 degrees F.

### **3.4 COMPACTION**

- A. General: Control soil compaction during construction providing minimum percentage of density specified for each area classification indicated below.
- B. Percentage of Maximum Density Requirements: Compact soil to not less than the following percentages of maximum density for soils which exhibit a well-defined moisture density relationship (cohesive soils) determined in accordance with ASTM D 698; and not less than the following percentages of relative density determined in accordance with ASTM D 2049, for soils which will not exhibit a well-defined moisture-density relationship (cohesionless soils).
  - 1. Structures, Building Slabs and Steps and Pavements: Compact top 6" of subgrade and each layer of backfill (not exceeding 8" maximum) or fill material to not less than 98% of maximum density.
  - 2. Lawn or Unpaved Areas: Compact top 6" of subgrade and each layer or backfill or fill material to not less than 90% of maximum density for cohesive soils and 90% of relative density for cohesionless soils.
  - 3. Walkways: Compact top 6" of subgrade and each layer of backfill or fill material to not less than 95% of maximum density.
- C. Moisture Control: Where subgrade or layer of soil material must be moisture conditioned before compaction, uniformly apply water to surface of subgrade, or layer of soil material, to prevent free water appearing on surface during or subsequent to compaction operations.
- D. Remove and replace, or scarify and air dry, soil material that is too wet to permit compaction to specified density.
  - 1. Soil material that has been removed because it is too wet to permit compaction may be stockpiled or spread and allowed to dry. Assist drying by discing, harrowing or pulverizing until moisture content is reduced to a satisfactory value.

### **3.5 BACKFILL AND FILL**

- A. General: Place acceptable soil material in layers to required subgrade elevations, for each area

classification listed below.

1. Utility Trenches backfill according to manufacturer's recommendation for the type material used.
  2. In excavations, use satisfactory excavated or borrow material.
  3. Under grassed areas, use satisfactory excavated or borrow material.
  4. Under structures, building slabs, steps and pavements and after grading operations, thoroughly mix top 6" of subgrade and compact to a density not less than 98% of maximum density.
  5. Under walks and pavements, use satisfactory excavated or borrow material, or combination of both.
  6. Under building slabs, use drainage fill material.
- B. Backfill excavations as promptly as work permits, but not until completion of the following:
1. Acceptance of construction below finish grade including, where applicable, dampproofing, waterproofing, and perimeter insulation.
  2. Inspection, testing, approval, and recording locations of underground utilities.
  3. Removal of concrete formwork.
  4. Removal of trash and debris.
- C. Ground Surface Preparation: Remove vegetation, debris, unsatisfactory soil materials, obstructions, and deleterious materials from ground surface prior to placement of fills. Plow, strip, or break-up sloped surfaces steeper than 1 vertical to 4 horizontal so that fill material will bond with existing surface.
- D. When existing ground surface has a density less than that specified under "Compaction" for particular area classification, break up ground surface, pulverize, moisture-condition to optimum moisture content, and compact to required depth and percentage of maximum density.
- E. Placement and Compaction: Place backfill and fill materials in layers not more than 8" in loose depth for material compacted by heavy compaction equipment, and not more than 4" in loose depth for material compacted by hand-operated tampers.
- F. Before compaction, moisten or aerate each layer as necessary to provide optimum moisture content. Compact each layer to required percentage of maximum dry density or relative dry density for each area classification. Do not place backfill or fill material on surfaces that are muddy, frozen, or contain frost or ice.
- G. Place backfill and fill materials evenly adjacent to structures, piping or conduit to required elevations. Take care to prevent wedging action of backfill against structures or displacement of piping or conduit by carrying material uniformly around structure, piping or conduit to approximately same elevation in each lift.

### **3.6 GRADING**

- A. General: Uniformly grade areas within limits of grading under this section, including adjacent transition areas. Smooth finished surface within specified tolerances, compact with uniform levels or slopes between points where elevations are indicated, or between such points and existing grades.
- B. Grading Outside Building Lines: Grade areas adjacent to building lines to drain away from structures and to prevent ponding.
- C. Finish surfaces free from irregular surface changes, and as follows:
1. Lawn or Unpaved Areas: Finish areas to receive topsoil to within not more than 0.2' above or below required subgrade elevations.
  2. Walks: Shape surface of areas under walks to line, grade and cross-section, with finish surface not more than 0.10' above or below required subgrade elevation.

3. Pavements: Shape surface of areas under pavement to line, grade and cross-section, with finish surface not more than 0.10' above or below required subgrade elevation.
- D. Grading Surface or Fill under Building Slabs: Grade smooth and even, free of voids, compacted as specified, and to required elevation. Provide final grades within a tolerance of 1/2" when tested with a 10' straightedge.
- E. Compaction: After grading, compact subgrade surfaces to the depth and indicated percentage of maximum or relative density for each area classification.

### **3.7 BUILDING SLAB DRAINAGE COURSE**

- A. General: Drainage course consists of placement of drainage fill material, in layers of indicated thickness, over subgrade surface to support concrete building slabs.
- B. Placing: Place drainage fill material on prepared subgrade in layers of uniform thickness, conforming to indicated cross-section and thickness. Maintain optimum moisture content for compacting material during placement operations.
- C. When a compacted drainage course is shown to be 6" thick or less, place material in a single layer. When shown to be more than 6" thick, place material in equal layers, except no single layer more than 6" or less than 3" in thickness when compacted.

### **3.8 FIELD QUALITY CONTROL**

- A. Quality Control Testing During Construction: Allow approved testing laboratory to inspect and approve subgrades and fill layers before further construction work is performed.
  1. Perform field density tests in accordance with ASTM D 1556 (sand cone method) or ASTM D 2167 (rubber balloon method), or ASTM D 2922 (nuclear method) as applicable.
  2. Footing Subgrade: For each strata of soil on which footings will be placed, conduct at least one test to verify required design bearing capacities. Subsequent verification and approval of each footing subgrade may be based on a visual comparison of each subgrade with related tested strata, when acceptable to Architect/Engineer.
  3. Paved Areas Subgrade: Make at least one field density test of subgrade for every 10,000 sq. ft. of paved area, but in no case less than 2 tests. In each compacted fill layer, make one field density test for every 10,000 sq. ft. of overlaying paved area, but in no case less than 2 tests
  4. Building Slab Subgrade: Make at least one field density test of subgrade for every 2500 sq. ft. of paved area or building slab, but in no case less than 2 tests. In each compacted fill layer, make one field density test for every 2500 sq. ft. of overlaying building slab or paved area, but in no case less than 2 tests.
  5. Foundation Wall Backfill: Take at least 2 field density tests, at locations and elevations as directed.
- B. If in opinion of Architect/Engineer, based on testing service reports and inspection, subgrade or fills which have been placed are below specified density, provide additional compaction and testing at no additional expense.

### **3.9 MAINTENANCE**

- A. Protection of Graded Areas: Protect newly graded areas from traffic and erosion. Keep free of trash and debris.
- B. Repair and re-establish grades in settled, eroded, and rutted areas to specified tolerances.
- C. Reconditioning Compacted Areas: Where completed compacted areas are disturbed by subsequent construction operations or adverse weather, scarify surface, re-shape, and compact to required density prior to further construction.
- D. Settling: Where settling is measurable or observable at excavated areas during general project warranty period, remove surface (pavement, lawn or other finish), add backfill material, compact, and replace surface treatment. Restore appearance, quality, and condition of surface or finish to match adjacent work and eliminate evidence of restoration to greatest extent possible.

**3.10 DISPOSAL OF EXCESS AND WASTE MATERIALS**

- A. Removal from Owner's Property: Remove waste materials, including unacceptable excavated materials, trash and debris, and legally dispose of it off Owner's property site, in area approved by all local authorities and ADEM.

**END OF SECTION**



**GEOTECHNICAL  
ENGINEERING  
TESTING, INC.**

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

**REPORT OF:  
SOILS EXPLORATIONS AND GEOTECHNICAL STUDIES  
FOR A PROPOSED CAFETERIA/KITCHEN BUILDING  
AND A PARKING LOT AT FAIRHOPE HIGH SCHOOL  
IN FAIRHOPE, ALABAMA**

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# Geotechnical Engineering-Testing, Inc.

PROFESSIONAL ENGINEERS

Geotechnical Evaluations - Geosciences - Construction Materials - Pavement Management

February 3, 2026

Mr. Frank Boatwright  
Baldwin County Board of Education  
23651 Flowers Road  
Robertsdale, AL 36567

Via Email: fboatwright1@bcbe.org

Re: Report of Soils Explorations and Geotechnical Engineering Studies for the Proposed Cafeteria/Kitchen Building and New Parking Lot at Fairhope High School in Fairhope, Alabama (G.E.T. Project No. 25-237)

Mr. Boatwright:

Geotechnical Engineering-Testing, Inc. (GET) is pleased to submit this report of our soils explorations and geotechnical engineering studies and recommendations for the proposed Cafeteria/Kitchen Building and new Parking Lot at Fairhope High School in Fairhope, Alabama. This report includes the results of the soil test borings and laboratory soils tests performed for these evaluations along with our recommendations for site preparation, building foundation design and construction, and parking lot pavement design and construction. Our services were performed in general accordance with our proposal dated November 12, 2025 and they were authorized by signed proposal received in a December 9, 2025 email.

This report has been prepared to aid evaluation of the project sites and to assist in the design of the projects. The recommendations provided are based in part on the project information provided to GET and only apply to the specific projects and sites discussed in this report.

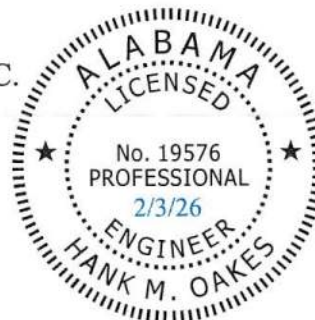
Please call Hank Oakes, P.E., if you have questions regarding this report.

Sincerely,

GEOTECHNICAL ENGINEERING-TESTING, INC.



Hank M. Oakes, P.E.  
Sr. Project Engineer  
Alabama License No. 19576



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## INTRODUCTION

Geotechnical Engineering-Testing, Inc. (GET) has completed the authorized soils explorations and geotechnical engineering studies for a proposed Cafeteria/Kitchen Building and a proposed Parking Lot at Fairhope High School in Fairhope, Alabama. The soils explorations have included six exploratory soil test borings in the planned Cafeteria/Kitchen Building area and three borings in the planned Parking Lot area. The soils explorations also included 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, building foundation design and construction, parking lot pavement design and construction, and the preparation of this report.

Our understanding of the project was based on telephone and email correspondence between Mr. Curt Doyle of GET and Mr. Jacky Barganier, project architect, or other representatives of Lathan McKee Architects. The Cafeteria/Kitchen Building will be essentially rectangular with plan dimensions of approximately 110 ft by 175 ft. The long dimension will run east-west. The one-story building, with gable roof, will be constructed about 43.5 ft north of the classroom wing of the existing high school. The buildings will be connected by an enclosed corridor. We have not seen grading plans, but it is assumed that the finished floor elevation of the new building will be very close to the floor elevation of the existing classroom wing. It is further assumed that the finished floor elevation will be slightly higher than existing site grades to assure drainage away from the structure.

The Parking Lot will be constructed about 65 ft from the front of the classroom wing, on the west side of an existing driveway. The new parking lot will have plan dimensions of approximately 70 ft by 325 ft, providing parking for 72 vehicles. The long dimension of the parking lot will be parallel to the front side of the classroom wing. The Parking Lot will replace an existing single row of parking spaces that adjoin the west side of the existing driveway. It is assumed that the Parking Lot elevation will be very near existing site grade.

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

## **SITE DESCRIPTIONS**

The Cafeteria/Kitchen Building site, on the north side of the classroom wing, and the Parking Lot site on the west side of the classroom wing, are both generally clear, flat, and level. However, sparse ornamental trees/shrubs exist in both areas. While mostly grass-covered, both sites are partially covered by asphalt pavement. A bus driveway crosses the south portion of the Cafeteria/Kitchen Building site. A single row of paved parking spaces lies along the east side of the Parking Lot site. Parking Lot plans include replacement of the paved parking spaces by a sidewalk and a narrow green space.

## **SOILS EXPLORATIONS PROGRAM**

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

### Boring Locations

Six soil test borings were performed within the planned Cafeteria/Kitchen Building site and three borings were performed within the planned Parking Lot site. The boring locations were selected by GET and GPS coordinates were picked from Google Earth®. Locations were then established in the field by GET using a network rover submeter GPS surveying instrument. A ground penetrating radar survey was performed, by others, to assure that boring locations were clear of underground utilities. Approximate boring locations are shown on the Google Earth® image included in Appendix A of this report.

### Soils Borings

Soil test borings within the Cafeteria/Kitchen Building area were performed with a SIMCO 2400 drill rig. Boring depths ranged from 20 ft to 40 ft. Boreholes were advanced using solid stem continuous flight augers. Standard penetration tests (SPT's) were performed and split spoon soil samples were collected continuously from the surface to a depth of 7.5 ft, at 2.5-ft center-to-center intervals from 7.5 ft to 15 ft, and then at 5-ft intervals to the boring termination depths.

Soil test borings within the Parking Lot area were performed using an approximate 4-inch diameter bucket-type hand auger. Each boring extended to a depth of 5 ft. A grab sample of each type of soil encountered was collected.

Depths where samples were collected and the results of the standard penetration tests are shown by the graphic Logs of Boring included in Appendix B of this report. Boring and sampling operations were conducted in general accordance with standard procedures.

Collected soil samples were field logged, sealed in moisture-tight plastic bags, and transported to the laboratory. At the laboratory the soil samples were visually examined by the project engineer to verify or adjust field classifications.

#### Laboratory Testing

Selected soil samples were subjected to laboratory tests to aid engineering evaluations. Tests included moisture content, Atterberg limits, percent finer than a #200 sieve, and hand penetrometer (to estimate cohesive shear strength). The tests were performed in general accordance with standard laboratory soil testing procedures. Test results are shown on the Logs of Boring opposite the samples tested.

### **GENERAL SUBSURFACE CONDITIONS**

The soil borings within the Cafeteria/Kitchen Building area generally encountered firm silty sands from the surface (or below the asphalt) to depths of about 2 to 10 ft. In four of the six borings, where the firm silty sands terminated at shallower depths, they were underlain by a few feet of stiff to very stiff sandy clays. Generally, below depths of about 10 ft, firm to dense clayey sands were encountered to the termination depths of the 20-ft borings. In the deepest boring, B-5, the firm to dense clayey sands extended to a depth of about 18 ft where dense to very dense silty sands were encountered. The dense to very dense silty sands extended to the 40-ft boring termination depth.

The soil borings within the Parking Lot area encountered about 2 inches of top soil underlain by clayey sands to the 5-ft boring termination depths.

Details of the soils encountered are shown on the Logs of Boring.

It is noted that one sample of medium consistency sandy clay, as opposed to stiff or very stiff, was encountered at a depth of about 7 ft in boring B-3. This one sample should not adversely affect building foundation performance if the recommendations below are followed.

The soil borings are representative of subsurface conditions at their respective locations and vertical reaches. However, local variations characteristic of the subsurface materials of the region may exist. The boring logs and related information are based on the driller's logs and visual examination of recovered samples in the laboratory. The delineation between soil types shown on the logs is approximate and the descriptions represent the interpretation of subsurface conditions at the designated boring location on the date drilled.

Observations of soil samples indicated that the water table at the site is below a depth of 20 ft. The ground water level was measured at a depth of about 27 ft at a nearby study in 2005.

## **GEOTECHNICAL RECOMMENDATIONS**

The recommendations below are based on our understanding of the project as described in the **INTRODUCTION**, the subsurface data collected, our engineering evaluations regarding the geotechnical matters, our experience on projects in proximity to this site, and the typical climate conditions of the area.

### General Site Preparation - Cafeteria/Kitchen Building and Parking Lot

The subsurface soils within the proposed construction sites are well suited for supporting the building structure on shallow foundations and for supporting the parking lot pavement and traffic. The in-situ soils should require no widespread modification prior to construction of the building pad or the pavement structure.

Site preparation should include removal of asphalt pavements (asphalt only, not the underlying base course) and vegetation or deleterious materials. Although explorations indicated that the in-situ soils are very firm, we do recommend that, under the observation of the geotechnical engineer's representative, the building and parking lot sites be proof-rolled with a partially loaded tandem axle dump truck prior to placement of the building pad or pavement courses. If the engineer's representative identifies areas of soft or unstable soils, such soils should be removed and replaced with imported soils. Imported soils, used for backfill or fill, should consist of sands that are free of organics, that have no more than about 25 percent passing a #200 sieve, and that have a plasticity index of no more than six. These soils should be placed in about 8-inch loose lifts and each lift should be compacted to at least 95 percent of standard proctor density (ASTM D698).

### Cafeteria/Kitchen Building

Building foundations may be constructed directly on undisturbed in-situ soils. Continuous or spread foundations should have a width of at least 2 ft and they should bear at a depth of at least 2 ft below the lowest adjacent final grade. Disturbed foundation soils, if near optimum moisture content, may be re-compacted to at least 100 percent of standard proctor density for the full depth of disturbance. In lieu of re-compaction, or if not near optimum moisture content, disturbed soils should be removed and replaced with lean cement mud seal. With the structural engineer's approval, over-excavation may be compensated for by thickening of foundation concrete rather than mud seal. To elaborate, we do not recommend attempting to moisture condition soils at the bottoms of foundation excavations nor do we recommend replacing excavated disturbed foundation soils with imported granular soils.

If the above recommendations are followed, continuous or spread foundations may be designed using an allowable bearing pressure of 2500 psf.

We recommend at least a 6-inch capillary moisture break between the subgrade soils and the concrete floor slab. The moisture break should consist of free-draining granular soils that are non-plastic, with grain sizes between 1/2 inch and a #200 sieve, with no more than 85 percent passing the #4 sieve and no more than 5 percent passing the #200 sieve. These materials should be placed in a single lift and compacted until firm. We also recommend a polyethylene vapor control layer be placed between the capillary moisture break and the concrete floor slab.

### Parking Lot

In addition to the site preparation recommended above, the top 6 inches of subgrade soils within the parking lot area should be compacted to at least 100 percent of standard proctor density. Site plans indicate that the parking lot will be used by automobiles or similar lightweight vehicles. But, in case buses or other heavy vehicles will regularly cross the parking lot recommendations are provided for standard-duty (automobiles) and heavy-duty (busses or heavy trucks) pavement sections.

### Standard-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)

The crushed aggregate base layer should be compacted to 98% modified Proctor density. Consideration may be given to utilizing crushed concrete in lieu of crushed aggregate base materials. Pavement material properties should meet and construction practices should be in accord with current ALDOT Standard Specifications. The minimum compaction recommendations 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 should 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 test borings and the 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 boring locations and that conditions will not be as anticipated by the designers or constructors. In addition, the construction process may 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, foundation construction, and pavement 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 services that are typically required.

## LIMITATIONS

This report was prepared to aid evaluation of the planned construction sites 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 projects and sites discussed in this report. If the project descriptions 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.

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.

## **APPENDIX A**

### **GOOGLE EARTH® IMAGE WITH SOIL TEST BORING LOCATIONS**

# LOCATIONS

WREN BUILDING AND PARKING LOT  
SCHOOL, FAIRHOPE, ALABAMA



500 ft

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

PROJECT NAME:  
 G.E.T. PROJ. NUMBER:  
 PROJECT LOCATION:  
 DRILL RIG:  
 DRILL METHOD:  
 DRILL CREW:

DATE DRILLED:  
 BORING DEPTH: 0 FT.  
 BORING ELEV.:  
 DATUM:  
 WATER DEPTH:  
 REMARKS:



BORING NUMBER: LEGEND

BORING LOCATION:

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		TOPSOIL										
5		SAND										
10		CLAY										
15		SILT										
20		GRAVEL										
25		ORGANICS										
30		PEAT										
35		SILTY SAND (EXAMPLE OF A SOIL MIXTURE)										
40		SPLIT-SPOON SAMPLE (STANDARD PENETRATION TEST)										
45		UNDISTURBED TUBE SAMPLE										
50		SAMPLE NOT RECOVERED										
55		VANE SHEAR										
		B.T. @ 0 FT										
60												
65												
70												

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: CAFETERIA/KITCHEN BUILDING

DATE DRILLED: 12/23/26



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 20 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

BORING NUMBER: B-1

DRILL RIG: SIMCO 2400

WATER DEPTH: NOT ENCOUNTERED

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL METHOD: SOLID STEM AUGER

REMARKS:

DRILL CREW: ES, BT, RS(LOGGER)

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm red and brown silty sand	1	15								
			2	15								
		Stiff yellowish brown and yellowish red sandy clay	3	15		13	40	27		61.9		CL
5			4	14								
			5	35								
			6	34								
10		Dense yellowish red clayey sand	7	27								
			8	32								
15			9	27								
20		B.T. @ 20 FT										
25												
30												
35												
40												

MOD DEEP BORING LOG W/O NC VALUES 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

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: CAFETERIA/KITCHEN BUILDING

DATE DRILLED: 12/23/26



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 20 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

BORING NUMBER: B-2

DRILL RIG: SIMCO 2400

WATER DEPTH: NOT ENCOUNTERED

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL METHOD: SOLID STEM AUGER

REMARKS:

DRILL CREW: ES, BT, RS(LOGGER)

MOD DEEP BORING LOG W/O NC VALUES 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>f</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brown silty sand	1	15								
			2	12								
			3	11		17	24	11		63.9		CL
5		Stiff brown sandy clay	4	17								
			5	11								
			6	14								
10		Firm yellowish brown clayey sand	7	30								
			8	30								
15		Dense red clayey sand										
			9	21								
20		B.T. @ 20 FT										
25												
30												
35												
40												

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: CAFETERIA/KITCHEN BUILDING

DATE DRILLED: 12/23/26



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 20 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

BORING NUMBER: B-3

DRILL RIG: SIMCO 2400

WATER DEPTH: NOT ENCOUNTERED

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL METHOD: SOLID STEM AUGER

REMARKS:

DRILL CREW: ES, BT, RS(LOGGER)

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>t</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm brown clayey sand	1	13								
		Stiff brown and red sandy clay	2	13		13	26	14		61.7		CL
		Firm yellowish red silty sand	3	15								
5			4	15								
		Stiff to medium to stiff brown sandy clay	5	4		18	36	22		60.8		CL
			6	13								
			7	34								
		Dense red clayey sand	8	34								
15												
			9	32								
20		B.T. @ 20 FT										
25												
30												
35												
40												

MOD DEEP BORING LOG W/O NC VALUES 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

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: CAFETERIA/KITCHEN BUILDING

DATE DRILLED: 1/6/26



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 20 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

BORING NUMBER: B-4

DRILL RIG: SIMCO 2400

WATER DEPTH: NOT ENCOUNTERED

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL METHOD: SOLID STEM AUGER

REMARKS:

DRILL CREW: ES, BT, RS(LOGGER)

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		3" Asphalt	1	27								
		Firm to dense red silty sand	2	34								
		Firm red and dark brown silty sand	3	10		8	NP	NP		15.8		SM
5			4	15								
		Very stiff yellowish red sandy clay	5	26								
10			6	32							c*=2.25	
			7	34								
15		Dense red silty sand	8	33								
			9	37								
20		B.T. @ 20 FT	10	38								
25												
30												
35												
40												

MOD DEEP BORING LOG W/O NC VALUES 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

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: CAFETERIA/KITCHEN BUILDING

DATE DRILLED: 1/6/26



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 40 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

BORING NUMBER: B-5

DRILL RIG: SIMCO 2400

WATER DEPTH: NOT MEASURED

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL METHOD: SOLID STEM AUGER

REMARKS:

DRILL CREW: ES, BT, RS(LOGGER)

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>i</sub>	N <sub>c</sub>		L.L.	P.I.				
0		3" Asphalt	1	32								
		Dense dark red silty sand	2	43								
			3	35								
5		Dense and firm red and dark gray silty sand with clayballs	4	27								
			5	32								
			6	36								
10			T-1	-								
		Firm red clayey sand	8	23								
15			9	16								
			10	38								
20		Dense yellowish red silty sand with clayballs	11	41								
			12	44								
25		Dense white sand with silt	13	58								
			14	62								
30												
		Very dense gray and pink silty sand										
35												
		Very dense yellowish red and gray silty sand										
40		B.T. @ 40 FT										

MOD DEEP BORING LOG W/O NC VALUES 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

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: CAFETERIA/KITCHEN BUILDING

DATE DRILLED: 12/23/26



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 20 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

BORING NUMBER: B-6

DRILL RIG: SIMCO 2400

WATER DEPTH: NOT ENCOUNTERED

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL METHOD: SOLID STEM AUGER

REMARKS:

DRILL CREW: ES, BT, RS(LOGGER)

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	SHEAR STRENGTH tsf	UNIFIED CLASS
				N <sub>r</sub>	N <sub>c</sub>		L.L.	P.I.				
0		Firm dark red clayey sand	1	24								
		Firm dark red silty sand	2	20		9	NP	NP		23.7		SM
		Firm yellowish red silty sand	3	30								
5		Firm dark red and yellowish red silty sand	4	26								
		Firm yellowish red clayey sand	5	29								
10			6	31								
			7	27								
15			8	27								
20		B.T. @ 20 FT	9	22								
25												
30												
35												
40												

MOD DEEP BORING LOG W/O NC VALUES 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

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: PARKING LOT

DATE DRILLED: 12/31/25



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 5 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

WATER DEPTH: NOT ENCOUNTERED

DRILL RIG:

REMARKS:

BORING NUMBER: HA-1

DRILL METHOD: HAND AUGER

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL CREW: NB, KF(LOGGER)

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	INSITU CBR (DCP)	UNIFIED CLASS
				N <sub>t</sub>	N <sub>c</sub>		L.L.	P.I.				
0		2" Topsoil										
1		Grayish brown sandy clay	1			15	23	10	58.2			CL
2												
3												
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 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

PROJECT NAME: PARKING LOT

DATE DRILLED: 12/31/25



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 5 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

WATER DEPTH: NOT ENCOUNTERED

DRILL RIG:

REMARKS:

BORING NUMBER: HA-2

DRILL METHOD: HAND AUGER

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL CREW: NB, KF(LOGGER)

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	INSITU CBR (DCP)	UNIFIED CLASS
				N <sub>f</sub>	N <sub>c</sub>		L.L.	P.I.				
0		2" Topsoil										
1												
2												
3		Yellowish brown sandy clay	1			19	30	16		64.1		CL
4												
5		B.T. @ 5 FT										
6												
7												
8												
9												
10												

HAND AUGER 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

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: PARKING LOT

DATE DRILLED: 12/31/25



G.E.T. PROJ. NUMBER: 25-237

BORING DEPTH: 5 FT.

BORING ELEV.:

PROJECT LOCATION: FAIRHOPE HIGH SCHOOL, FAIRHOPE, ALABAMA

DATUM:

WATER DEPTH: NOT ENCOUNTERED

DRILL RIG:

REMARKS:

BORING NUMBER: HA-3

DRILL METHOD: HAND AUGER

BORING LOCATION: SEE GOOGLE EARTH® IMAGE IN APPENDIX A

DRILL CREW: NB, KF(LOGGER)

DEPTH IN FEET	LOG	DESCRIPTION	SAMPLE NO.	S.P.T.		W.C. %	ATTERBERG LIMITS		DRY UNIT WT. pcf	% MINUS #200	INSITU CBR (DCP)	UNIFIED CLASS
				N <sub>f</sub>	N <sub>c</sub>		L.L.	P.I.				
0		2" Topsoil										
1												
2												
3		Grayish brown silty sandy clay	1			12	25	13		59.2		CL
4												
5		B.T. @ 5 FT										
6												
7												
8												
9												
10												

HAND\_AUGER 25-237 FAIRHOPE HS.GPJ GET\_AL4.GDT 2/3/26

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.

## SECTION 02282 - TERMITE CONTROL

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. Provide soil treatment for termite control, as herein specified.

#### 1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's technical data and application instructions.

#### 1.4 QUALITY ASSURANCE

- A. In addition to requirements of these specifications, comply with manufacturer's instructions and recommendations for work, including preparation of substrate and application.
- B. Engage a professional pest control operator, licensed in accordance with regulations of governing authorities for application of soil treatment solution.
- C. Use only termiticides which bear a Federal registration number of the US Environmental Protection Agency.

#### 1.5 JOB CONDITIONS

- A. Restrictions: Do not apply soil treatment solution until excavating, filling and grading operations are completed, except as otherwise required in construction operations.
- B. To insure penetration, do not apply soil treatment to frozen or excessively wet soils or during inclement weather. Comply with handling and application instructions of the soil toxicant manufacturer.

#### 1.6 SPECIFIC PRODUCT WARRANTY

- A. Furnish written warranty certifying that applied soil termiticide treatment will prevent infestation of subterranean termites and that if subterranean termite activity is discovered during warranty period. Contractor will re-treat soil and repair or replace damage caused by termite infestation.
  - 1. Provide warranty for a period of 5 years from date of treatment, signed by Applicator and Contractor. This includes all costs associated with re-inspections per the manufacturer's requirements, re-treatment, repair and replace damage caused by termite infestation.

### PART 2 - PRODUCTS

#### 2.1 SOIL TREATMENT SOLUTION

- A. Use an emulsible concentrate termiticide for dilution with water, specially formulated to prevent infestation by termites. Fuel oil will not be permitted as a diluent. Provide a solution consisting of one of the following chemical elements and concentrations:
  - 1. Water based emulsion, uniform composition, synthetic dye to permit visual identification of treated soil, of a generic chemical type in compliance with state and federal law and regulations.
- B. Solutions as recommended by Applicator and approved for intended application by jurisdictional authorities. Use only soil treatment solutions which are not injurious to planting or persons.

### PART 3 – EXECUTION

#### 3.1 APPLICATION

- A. Surface Preparation: Remove foreign matter which could decrease effectiveness of treatment on areas to be treated. Loosen, rake and level soil to be treated, except previously compacted areas under slabs and foundations. Toxicants may be applied before placement of compacted fill under slabs, if recommended by toxicant manufacturer.
- B. Application Rates: Water to be added to solution at job site in the presence of field Superintendent. Apply soil treatment solution at a rate as recommended by the manufacture at the following locations:
- C. Under slab-on-grade structures, treat soil before concrete slabs are placed, including entire inside perimeter inside of foundation walls, along both sides of interior partition walls, around plumbing pipes and electric conduit penetrating slab and around interior column footers.
- D. Apply chemical solution to soil in critical areas under slab, including entire inside perimeter inside of foundation walls, along both sides of interior partition walls, around plumbing pipes and electric conduit penetrating slab and around interior column footers.
  - 1. Apply chemical solution as an overall treatment under slab and attached slab areas where fill is soil or unwashed gravel. Apply chemical solution to areas where fill is washed gravel or other coarse absorbent material.
- E. Under crawl-space and basement structures, treat soil along exterior and interior walls of foundations with shallow footings as specified above for exterior of slab-on-grade structures.
- F. Treat soil under or around crawl-space structures as follows:
  - 1. Apply chemical solution along inside of foundation walls, along both sides of interior partitions, and around piers and plumbing. Do not apply an overall treatment in crawl spaces.
  - 2. Apply chemical solution for each foot of depth from grade to footing, along outside of foundation walls, including part beneath entrance platform porches, etc.
  - 3. Apply chemical solution along the side and outside of foundation walls of porches.
  - 4. Apply as an overall treatment, only where attached concrete platform and porches are on fill or ground.
- G. At hollow masonry foundations or grade beams, treat voids.
- H. At expansion joints, control joints, and areas where slabs will be penetrated, apply chemical solution.
- I. Post signs in areas of application to warn workers that soil termiticide treatment has been applied. Remove signs when areas are covered by other construction.
- J. Reapply soil treatment solution to areas disturbed by subsequent excavation, landscape grading, or other construction activities following application.

**END OF SECTION**

## SECTION 02513 - ASPHALTIC CONCRETE PAVING

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the contract, including General and Supplementary Conditions and Division 1 Specification Sections apply to work of this section.

#### 1.2 DESCRIPTION OF WORK

- A. Extent of asphaltic concrete paving work is shown on drawings.

#### 1.3 QUALITY ASSURANCE

- A. Referenced Standards: Where the term "Referenced Standard" is used in these Project Specifications, it shall be interpreted as **referring to the current edition of "Standard Specifications for Highway Construction, 2018" or latest edition for Alabama Department of Transportation "**. Referenced Divisions of the "Standard" are hereby made a part of this Project Specification insofar as they may be termed applicable. In no case will requirements for "Method of Measurement" and "Basis of Payment" be considered as applicable to this Project Specification.

#### 1.4 TESTING AND INSPECTION

- A. Testing and Inspection Service: The **Owner** will select a firm to provide testing and inspection service, to include testing soil materials proposed for use in work and provide field facilities for quality control testing during paving operations and shall pay cost for testing. Spot checking of the depths of the compacted base prior to paving shall be done to verify that materials meet the minimum required thickness. Temperature and thickness of paving will be periodically monitored during the paving operation.

#### 1.5 SUBMITTALS

- A. Material Certificates: Provide copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

#### 1.6 JOB CONDITIONS

- A. Weather Limitations: Apply prime and tack coats when ambient temperature is above 50 degrees Fahrenheit and when temperature has not been below 35 degrees Fahrenheit for 12 hours immediately prior to application. Do not apply when base is wet or contains an excess of moisture.
- B. Construct asphalt concrete surface course when atmospheric temperature is above 40 degrees Fahrenheit and when base is dry. Base course may be placed when air temperature is above 30 degrees Fahrenheit and rising.
- C. Grade Control: Establish and maintain required lines and elevations.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS: See Civil Drawings and Geotechnical Report for paving sections.

- A. Herbicide Treatment: Commercial chemical for weed control, registered by Environmental Protection Agency. Provide granular, liquid, or wettable powder form.
- B. Manufacturer: Subject to compliance with requirements, provide products of one of the following:
  1. Allied Chemical Corporation
  2. Achem Products, Inc.
  3. Ciba-Geigy Corporation
  4. Dow Chemical U.S.A.
  5. E.I. DuPont De Nemours and Company, Inc.

6. FMC Corporation
7. Thompson-Hayward Chemical Company
8. U. S. Borax and Chemical Company

### **PART 3 - EXECUTION**

#### **3.1 SURFACE PREPARATION**

- A. General: The top six inches of finish subgrade soil beneath pavement and base, shall be mixed, moisture adjusted and remolded in accordance with Section 230, Modified Roadbed, of the before mentioned referenced standard.
- B. Proof roll prepared subgrade surface to check for unstable areas and areas requiring additional compaction.
- C. Notify Architect of unsatisfactory conditions. Do not begin paving work until deficient subgrade areas have been corrected and are ready to receive paving.
- D. Herbicide Treatment: Apply chemical weed control agent in strict compliance with manufacturer's recommended dosages and application instructions. Apply to compacted, dry sub grade.
  1. Allow to dry until at proper condition to receive paving.

#### **3.2 PLACING MIX**

- A. General: Place asphalt concrete mixture on prepared surface, spread and strike-off. Spread mixture at minimum temperature of 225 degrees Fahrenheit. Place inaccessible and small areas by hand. Place each course to required grade, cross-section and compact thickness.
- B. Paver Placing: Place in strips not less than 10' wide, unless otherwise acceptable to Architect. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips.
- C. Joints: Make joints between old and new pavements, or between successive days' work, to ensure continuous bond between adjoining work. Construct joints to have same texture, density and smoothness as other sections of asphalt concrete course. Clean contact surfaces and apply tack coat.

#### **3.3 ROLLING**

- A. General: Begin rolling when mixture will bear roller weight without excessive displacement.
- B. Compact mixture with hot hand tampers or vibrating plate compactors in areas inaccessible to rollers.
- C. Breakdown Rolling: Accomplish breakdown or initial rolling immediately following rolling of joints and outside edge. Check surface after breakdown rolling, and repair displaced areas by loosening and filling, if required, with hot material.
- D. Second Rolling: Follow breakdown rolling as soon as possible warm enough for removal of roller marks. Continue rolling until roller marks are eliminated and course has attained maximum density.
- E. Patching: Remove and replace paving areas mixed with foreign materials and defective areas. Cut-out such areas and fill with fresh, hot asphalt concrete. Compact by rolling to maximum surface density and smoothness.
- F. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.
- G. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

#### **3.4 TRAFFIC AND LANE MARKINGS**

- A. Cleaning: Sweep and clean surface to eliminate loose material and dust.

- B. Lane / Parking Marking Paint: Paint Stripes shall be equal to KRYLON INDUSTRIAL LINE-UP PAINT SB Pavement Striping Paint for Parking Lots - Solvent-Based Pavement Striping alkyd paint or equal. Color: White at typical spaces, Blue at handicapped spaces and symbol.
- C. Apply paint with mechanical equipment to produce uniform straight edges. Apply in 2 coats at manufacturer's recommended rates.

### **3.5 FIELD QUALITY CONTROL**

- A. General: Test in-place asphalt concrete courses for compliance with requirements for thickness and surface smoothness. Repair or remove and replace unacceptable paving as directed by Architect.
- B. Thickness: In-place compacted thickness will not be acceptable if exceeding 1/4" from required thickness.
- C. Surface Smoothness: Test finished surface of each asphalt concrete course for smoothness, using 10' straight-edge applied parallel with, and at right angles to centerline of paved area. Surfaces will not be acceptable if exceeding the following tolerances for smoothness.
  - 1. Base Course Surface: 1/4".
  - 2. Wearing Course Surface: 3/16"
- D. Check surface areas at intervals as directed by Architect.

### **3.6 TESTING**

- 1. To be performed by independent lab paid by Owner, approved by Architect.
- 2. Before delivery Bituminous Binder and Wearing Course Materials shall be tested by Lab at Suppliers production plant.
- 3. Testing shall verify that all samples meet ALDOT specifications.
- 4. Test reports sent to Architect, Owner, Contractor.

**END OF SECTION**

## SECTION 02660 - WATER DISTRIBUTION SYSTEM

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SCOPE OF WORK

- A. The work includes construction of the water distribution system including fire lines as shown on the Drawings.
- B. Testing and disinfection of the installed system shall be incidental to the work.

#### 1.3 QUALITY ASSURANCE

- A. Requirements of Regulatory Agencies: Comply with applicable codes, ordinances, rules, regulations, and laws of local, municipal, state or federal authorities having jurisdiction.
- B. Meet all requirements of the Local Water Authority and be subject to review by System inspectors.

#### 1.4 SITE CONDITIONS

- A. Coordinate water distribution system with pavement construction.
- B. Install water mains when grade is within 6 in. of final grade.
- C. Coordinate the Work with the Local Water Authority and pay all tap fees assessed (to include valves, backflow preventers, vaults, etc.) for portions of the Work completed by the Utility Provider.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Water Main Piping:
  - 1. Water Service Piping: Ductile iron pipe or PVC pipe.
  - 2. Ductile Iron Pipe:
    - a. Manufactured in accordance with AWWA C-151, latest revision, Class 50, min.
    - b. Standard cement-lined and seal-coated with an approved bituminous seal coat in accordance with AWWA C-104, latest revision.
    - c. Approved push-on, conforming to AWWA C-111, latest revision.
- B. PVC Pipe:
  - 1. Constructed to meet the requirements of U. S. Department of Commerce Product Standard PS 22-70, and bear the National Sanitation Foundation Testing Laboratories, Inc., seal for potable water.
  - 2. For PVC piping less than 4" - Schedule 40, PVC, minimum; 150 psi minimum working pressure
  - 3. 4" or greater shall be C900 PVC piping.
- C. Fire Line:
  - 1. Fire line shall be C900 PVC piping. Encasement shall be used under drive areas.
  - 2. Connection to Main: Each hydrant shall be connected to the main pipe with a 6-inch ductile iron branch. Each hydrant shall be controlled by an independent 6-inch gate valve.
- D. Fire Hydrants:

1. All hydrants shall be Mueller Company, M & H, or an approved equal. Fire hydrants shall be equipped with traffic break away feature. Hydrants shall be painted in accordance with the requirements of AWWA C502.

E. Water Main Fittings:

1. Ductile iron fittings shall be provided in locations as shown on the plans or in locations deemed necessary by the Engineer. Ductile iron fittings 12" and smaller shall be rated for 350 psi working pressure. Fittings shall be manufactured in accordance with AWWA C153 and provided with mechanical joints. All fittings shall be provided with a thin cement lining in accordance with AWWA C104.
2. PVC Fittings: Fittings For PVC Water Mains Smaller Than 6 In. In. Dia.: As recommended by the manufacturer of the pipe furnished, suitable for use under the conditions specified for the pipe, with ring-tite or fluid-tite bells or spigots at all ends for jointing.

F. Valves and Boxes:

1. Cast Iron Valve Boxes shall be provided for all valves installed vertically and shall consist of a base covering the operating nut and head of the valve, a vertical shaft of at least 5 ¼" in diameter and a top section extending to a point even with the finish ground surface, provided with a cast iron cover marked "WATER." The valve box shall be placed concentrically over the operating nut. Precast concrete collars shall be provided around each valve box.
2. Valves 2" and Larger: Cast iron gate valves, AWWA type, the standard product of a recognized valve manufacturer such as Mueller, Iowa or M & H, constructed with an interchangeable parts system, with parts readily available, to meet the following requirements:
  - a. Iron body, bronze-mounted.
  - b. Double disc, parallel seat "O" ring seal.
  - c. 150 psi, min., working pressure.
  - d. Counterclockwise (left) opening.
  - e. 2 in. operating nut.
  - f. Non-rising stem.
  - g. Joints to be as required for pipe to be connected to.
3. Valves 2" and Smaller: Brass or bronze gate valves, conforming to Federal Specification WW-V-76.
4. Underground Valves: Two-piece, screw type, adjustable to suit the depth of bury and type of valve, with a min. shaft dia. of 5-1/4 in.
5. All mechanical joint valves and fittings shall be restrained by MEGALUG series 1100 restraint devices.

## PART 3 - EXECUTION

### 3.1 INSTALLATION

- A. General: Line and Grade: Lay and maintain to the required lines and grades; with fittings, valves and hydrants at the required locations; and with joints centered and spigots plumb; and with all valve and hydrant stems plumb.
- B. Encasement: Piping under paved drive shall be encased with welded steel pipe casing.
- C. Laying Pipe:
  1. General: Before lowering pipe into trenches, grade the bottom of the ditch so that when pipe is in the ditch it will have a bearing for its entire length. Examine the pipe for defects and clean the inside. After placing pipe in ditch, wipe the bell, gasket, and spigot free from all dirt, sand and foreign material. Apply a film of lubricant to the gasket and spigot. Enter the plain

end into the socket after which force the pipe into the socket until it makes contact with the bottom of the socket.

2. A minimum of five (5) feet horizontal separation shall be used when installing water main or piping within areas of sanitary sewer lines. When the proposed water main or piping is required to cross sewer mains, the contractor shall encase the water main carrier pipe with a continuous pipe (sleeve or casing) of sufficient length, located such that a minimum five (5) foot horizontal separation exists between each end of the casing pipe and the sewer main. Where possible, water main shall be a minimum of 18 inches above the top elevation of the sewer main.
  3. No. 12 THW copper locator wire shall be placed in the trench, 12 inches above the water mains and all service piping.
  4. Trench Water: At times when pipe laying is not in progress, close the open ends of pipe by approved means, and permit no trench water to enter the pipe.
- D. Cutting Pipe: Cut pipe for inserting valves, fittings or closure pieces in a neat and workmanlike manner without damage to the pipe.
- E. Direction of Laying: Unless otherwise directed, lay pipe with bell ends facing in the direction of laying. For lines on an appreciable slope, face bells upgrade.
- F. Permissible Deflections: Wherever necessary to deflect pipe from a straight line, either in the vertical or horizontal plane, to avoid obstructing, to plumb stems, or where long radius curves are permitted, deflect as recommended by the manufacturer of the pipe.
- G. Unsuitable Conditions: Lay no pipe in water or when the trench conditions or weather is unsuitable for such work.
- H. Provide ground cover of 3 ft. min.
- I. Setting Appurtenances:
1. Valves and Fittings: Set gate valves and pipe fittings to new pipe in the manner previously specified for cleaning, laying and jointing pipe.
  2. Valve Boxes: Firmly support cast iron valve boxes and maintain centered and plumb over the wrench nut of the gate valve, with box cover flush with the surface of the finished pavement or at such other level as may be directed.

### **3.2 FIELD QUALITY CONTROL**

- A. Hydrostatic Tests: Pressure During Test: After the pipe has been laid and partially backfilled as specified, pressure test all newly laid pipe, or any valved section of it, in accordance with Local required procedures.

### **3.3 CLEANING AND DISINFECTION**

- A. Clean out and thoroughly flush the water distribution system piping and leave free from foreign materials of any sort prior to sterilization.
- B. Disinfect in accordance with Local required procedures and AWWA Standard C-651, latest edition.

**END OF SECTION**

## SECTION 02720 - STORM SEWERS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 QUALITY ASSURANCE

- A. Requirements of Regulatory Agencies: Comply with applicable codes, ordinances, rules, regulations, and laws of local, municipal, state or federal authorities having jurisdiction.
- B. All locations including total jobsite: All storm drainage shall be in accordance with Local Requirements.

#### 1.3 SUBMITTALS

- A. Submit manufacturer's data, test reports, material certifications as required.

#### 1.4 SITE CONDITIONS

- A. Protection of Existing Utilities: Protect existing power lines, water mains, gas lines, telephone lines and other utilities. Should any functioning underground utilities be uncovered during the Work, advise for determination as to whether or not they are to be removed. Repair any damage to utility lines and restore service to original condition.
- B. Coordination and Scheduling of Work:
  - 1. Coordinate work with earthwork operations to avoid interference. Protect established construction stakes.
  - 2. Establish and maintain center-lines, grades and elevations.
  - 3. Construction of new sewers and drainage systems shall proceed as early in construction program as possible. Maintain adequate drainage of the project area at all times. Prevent flooding of adjacent roads and private properties.
- C. Temporary Drainage: Wherever possible, construct new sewers and inlets to serve the various drainage areas, and place in service. Where this is not possible, provide temporary drainage facilities as required. These may include temporary connections into completed sewers, or such other means as the circumstances may require.

### PART 2 – PRODUCTS

#### 2.1 MATERIALS

- A. Storm Drain Pipe Materials:
  - 1. The Contractor shall have the following options for pipe material:
    - a. Class III reinforced concrete, meeting the requirements of ASTM C76 with tongue and groove joints unless indicated otherwise in the drawings.
    - b. Contech A-2000 PVC Pipe.
    - c. ADS N-12 HDPE
  - 2. Use ductile iron where indicated on the drawings.
- B. Factory Fabricated Downspout Boots:
  - 1. **Cast Iron Downspout Boots: contoured interior flow design with no boxed corners, weld seams or choke points; include integral lug slots and stainless steel fasteners.**
    - a. **Downspoutboots.com, a division of J. R. Hoe & Sons; 101 Ironwood Rd., Middlesboro, KY 40965: www.downspoutboots.com.**

- b. **Neenah Enterprises, Inc.; 2121 Brooks Avenue, Neenah, WI 54956; Ph. 920.725.7000; [www.groupnei.com](http://www.groupnei.com).**
    - c. **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. **Configuration: Offset/O-Series; Angular/A-Series or Ninety/N-Series as required. Inside top bell shall be sized as required to connect to specified metal downspouts. Length shall be sized as required to connect to drain line run to storm sewer as indicated on the drawings.**
  - 3. **Material: Cast iron; ASTM A48/A48.**
  - 4. **Finish: Manufacturer's standard powder coat finish.**
  - 5. **Color: To be selected by Architect from manufacturer's standard range.**
  - 6. **Accessories:**
    - a. **Manufacturer's standard stainless steel fasteners for mounting onto building wall**
    - b. **Flexible rubber adapter for connection to drainage pipe**
- C. PVC Downspout Boots:**
- 1. **Configuration: Inside top bell shall be sized as required to connect to specified metal downspouts. Length shall be sized as required to connect to drain line run to storm sewer as indicated on the drawings.**
  - 2. **Material: Polyvinyl Chloride (PVC).**
  - 3. **Finish: Exposed to be painted.**
  - 4. **Color: To be selected by Architect.**
  - 5. **Accessories:**
    - a. **Stainless steel fasteners for mounting onto building wall.**
- D. Appurtenance Material:**
- 1. **Brick:**
    - a. **Clay or Shale Brick: Comply with ASTM C 32 for Sewer Brick and Manhole Brick, grade as selected.**
    - b. **Concrete Masonry Units: Comply with ASTM C 139.**
  - 2. **Mortar: Comply with ASTM C 270, Type M, for pipe joints and man- hole and inlet brickwork.**
  - 3. **Concrete:**
    - a. **Concrete for use in precast concrete catch basins, curb inlets, drop inlets and manholes shall be 3000 psi at age 28 days.**
  - 4. **Reinforcement: Comply with ASTM A 615.**
  - 5. **Castings: Comply with ASTM A 48, grey cast-iron.**
  - 6. **Riprap: Riprap shall be Class I conforming to Section 814 of the State of Alabama Highway Department Standard Specifications.**

## **PART 3 – EXECUTION**

### **3.1 INSTALLATION**

- A. **Storm Drainage System: Construct drainage structures and appurtenances in accordance with applicable standard drawings and construction details shown on the Drawings.**
- B. **Lay all pipe in an open trench of dimensions as given below:**

1. Lengths of storm drain pipe shown on the Drawings are approximate distances center-to-center of structures. Install pipe based on actual field measurements.

C. Excavation:

1. Excavation is open cut. The top portion of trenches may be excavated as required by the Contractor to any width which will not cause damage to adjacent structures. The lower portion of the trench, to a height of 1 ft. above the top of the pipe shall not exceed 18 in. greater than the pipe dia.
2. All excavation shall be prosecuted in accordance with requirements of OSHA "Safety and Health Regulations for Construction".
3. When sheeting or shoring is used, widths may be increased by the thickness of the timbers. All protective measures required are the responsibility of the Contractor and shall be provided at the Contractor's expense.
4. Carefully shape the bottom of trenches to conform to and support the lower 1/4 of the periphery of the pipe barrel. At the Contractor's option, trenches may be excavated slightly over depth, and then the pipe bed may be constructed of approved granular material, thoroughly tamped and carefully shaped to conform to and support the lower 1/4 of the periphery of the pipe barrel. Where rock is encountered, remove to a depth of 6 in. below the pipe and replace with an approved granular material.
5. Where suitable material, such as muck, is encountered at or below invert elevation during excavation, remove and replace with suitable material, or stabilize by the addition of a granular material.

D. Pipe Laying:

1. Proceed upgrade where practicable. Lay pipe shall true to grade and line with a straight and uniform invert. Do not lay pipe in a wet or muddy trench. Dewater trenches as required with firm, smooth and properly shaped bed as specified.
2. Lay corrugated metal pipe so that if invert paving has been damaged, repair with an asphaltic compound to the satisfaction of the Engineer.
3. Joints for reinforced concrete pipe shall be with sand-cement grout.

E. Backfilling:

1. Backfill with selected material, free from rock larger than 2 in. in size, or debris.
2. Carefully place backfill and tamp around and over the pipe to avoid displacement of the pipe or damage to the joints.
3. Place all backfill in 6 in. lifts and compact as required in EARTHWORK Section. Compaction methods shall be at the Contractor's option as long as the desired results are obtained; otherwise, the Architect may order changes in methods or equipment.

F. Appurtenances and Drainage Structures:

1. Furnish and install drainage structures as shown in detail on the Drawings. Install shaped inverts.
2. Fill all mortar joints full. Tool all joints.
3. Cut and grind all pipe, where cut at face of structure wall, smooth with the face of the wall. Pack full all joints around pipe and structure wall at the face of the wall with mortar.
4. Clean bottom of drainage structures of all debris, and wipe walls clean of mortar as work progresses.
5. Construct catch basin tops true to line and grade, and slope continuous with gutter.

6. Install cast iron steps in all structures over 4 ft. deep, installed 15 in. o.c. in a vertical direction. Cast iron steps and manhole rings and covers shall meet ASTM A 48.
7. Construct junction boxes with bottom as shown in details for drop inlets, catch basins or other structures. Construct tops to accommodate a standard manhole ring, and adjust over to grade.
8. Where indicated in the Storm Structure Schedule, drainage basins by Contech or Nyloplast may be used.

### **3.2 ADJUSTING AND CLEANING**

- A. At completion, remove all excess materials, debris, etc. resultant from operations of this Section of Work.
- B. Leave drainage systems clean and free from mud or debris of any kind. When looked through, each line between structures shall show a full circle of light; otherwise the Contractor shall be required to remove and replace the defective portion of the work, at the Contractor's expense.

**END OF SECTION**

## SECTION 02730 - SANITARY SEWERS

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 QUALITY ASSURANCE

- A. Requirements of Regulatory Agencies: Comply with applicable codes, ordinances, rules, regulations and laws of local, municipal, state or federal authorities having jurisdiction.
- B. Sanitary sewer construction is subject to review and acceptance by the Local Sewer Department and shall meet their requirements.

#### 1.3 SITE CONDITIONS

- A. Coordinate sanitary sewer construction with grading operations to avoid deep trench conditions insofar as possible.

### PART 2 - PRODUCTS

#### 2.1 MATERIALS

- A. Pipe: Type as shown Drawings.
  - 1. PVC Pipe:
    - a. Gravity Pipe – Plastic pipe for gravity sewers, stacks and laterals, and fittings shall be unplasticized polyvinyl chloride (PVC), meeting or exceeding ASTM Specification D3034, latest edition, Classification SDR 35.
    - b. Force Main Pipe – PVC pipe for force mains shall conform to the requirements of ASTM D2241 for pressure pipe or AWWA C900. Pipe shall be Class 150 with a Standard Dimension Ratio of 18 or heavier.
    - c. All sanitary sewer PVC pipe shall be either green or brown in color.
  - B. Appurtenances:
    - 1. Manholes: Precast concrete units conforming to ASTM 478.
    - 2. Castings: Grey cast iron conforming to ASTM A 48.

#### 2.2 SEWAGE PUMPING STATION – REFER TO CIVIL DRAWINGS

### PART 3 - EXECUTION

#### 3.1 INSTALLATION

- A. Trenching and Excavation:
  - 1. Excavate in open trench to the width, depth and in the direction necessary for the proper construction of the pipe sewer according to the Drawing.
  - 2. Shape the bottom of the trench so as to conform as nearly as possible to the outside of the pipe, particular care being taken to recess the bottom of the trench in such a manner as to relieve the bell of the pipe of all load.
  - 3. Build pipe sewers in a trench, the width of which at the top of the pipe shall not exceed the external dia. of the bell of the pipe, plus 12 in. each side, unless otherwise directed by the Engineer, but in no case less than 24 in. in width.
  - 4. All excavation shall be performed in accordance with requirements of OSHA "Safety and Health Regulations for Construction".

B. Backfilling:

1. The sanitary sewer pipe shall be bedded in a crushed stone bench bottom installed to a minimum depth below the pipe of six (6) inches. After the pipe is installed, the trench shall be backfilled with crushed stone to a depth of one-half the pipe diameter for depths of cut of 12 feet or less. For depths of cut greater than 12 feet the pipe shall be backfilled with crushed stone to a height of 6" above the top of the pipe.
2. No. 12 THW copper locator wire shall be placed in the trench, 12 inches above the sewer mains and all sewer service piping.
3. Backfill all trenches and excavation immediately after the pipes are laid therein unless other protection for the pipe line is directed. The backfilling material shall be selected and deposited with special reference to the future safety of the pipes. Solidly tamp clean earth, sand or rock dust about the pipe up to the level of 6 in. above the top of the pipe, and carefully deposit in uniform layers, each layer solidly tamped or rammed with proper tools so as not to disturb or injure the pipe line. Mechanical means may be permitted for backfilling, provided the equipment meets the approval of the Architect. Faithfully ram or tamp the remainder of the backfilling of the trenches in layers of not more than 6 in. in depth with either approved mechanical or hand tamps. Compaction shall conform to the requirements of the EARTHWORK Section.
4. All backfilling material shall be free from rock, trash and debris.

C. Laying Pipe

1. Lay pipe with joints close and even, butting all around, special care being taken that there is no sagging at the hub, and that a true surface is given to the invert throughout the entire length of the sewer.
2. Water in Trenches: Do not use sewers for draining water from ditch. Provide and operate pumps, if necessary, to remove water from trench while pipe is being laid and joints made.

D. Jointing Pipe:

1. In jointing gasket pipe, clean both the bell and the spigot before the gasket is applied. Use the proper size gasket for each size of pipe, and lubricate only with a lubricant recommended by the manufacturer of the pipe. Insert the spigot end in the bell the proper distance, and take care to see that the pipe remains in this position.
2. Clean all joint material that may be left on the inside, and leave the pipe clean and smooth throughout. At every third pipe, fill around immediately after being properly placed and jointed to prevent the moving of joints.
3. Free the interior of the pipe of all dirt and superfluous material of every description, as the work proceeds.

E. Manholes:

1. Manholes shall be precast concrete conforming to ASTM 478. Shape inverts and build of concrete.

**3.2 FIELD QUALITY CONTROL**

- A. Testing: Perform Required Test as required by Local Authority.

**3.3 ADJUSTING AND CLEANING**

- A. Clean and clear sanitary sewers of materials of all kind.

**END OF SECTION**

## SECTION 02830 - TEMPORARY CHAIN LINK FENCING & GATES

### PART 1 - GENERAL

#### 1.1 SUMMARY

- A. Section includes: Erection and maintenance of temporary chain link fencing and gates.
- B. Refer to Section 01010, contractor to provide temporary fence layout and location of fence and gates.

#### 1.2 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.

#### 1.3 SUBMITTALS

- A. Action Submittals:
  - 1. Shop Drawings:
    - a. Product Data: Include construction details, material descriptions, dimensions of individual components, and finishes for chain link fences and gates.
      - i. Fence, gate posts, rails, and fittings.
      - ii. Chain link fabric.
      - iii. Gates and hardware.
  - 2. Test Reports: Field test result for compliance of installation of chain link fence and gates.
- B. Informational Submittals:
  - 1. Manufacturer's recommended installation instructions.
  - 2. Evidence of Supplier and installer qualifications.

#### 1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to Site in undamaged condition. Store materials off the ground to provide protection against oxidation caused by ground contact.

#### 1.5 SCHEDULING AND SEQUENCING

- A. Install temporary fence and gates prior to beginning demolition work and/or new construction work
- B. Complete necessary Site preparation and grading before installing chain link fence and gates.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERE - Galvanized Steel Fencing: The following manufacturers' products have been used to establish minimum standards for materials, workmanship and function:

- A. Master Halco
- B. Merchants Metal
- C. Stephens Pipe and Steel, LLC.
- D. Eagle Fences
- E. 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 TEMPORARY CHAIN LINK FENCING

- A. Unless otherwise indicated, type of temporary chain link fencing shall be as follows:
  - 1. New materials or previously used salvaged chain link fencing in good condition.

2. Height: 8'-0" (minimum) unless otherwise indicated on drawings.
  3. Posts: 2" min. galvanized steel pipe of diameter to provide rigidity. Post shall be suitable for setting in concrete footings.
  4. Fencing Fabric: 2" diamond woven galvanized steel wire mesh. Provide in continuous lengths to be wire tied to fence posts or prefabricated into modular pipe-framed fence panels.
  5. Privacy Fabric: Temporary fencing shall be outfitted with privacy fabric.
    - a. Color: Green
    - b. Material Requirement: Polyethylene, 4.9 oz/sq. yd., Burst Strength: 210 psi
- B. Gates: Provide personnel and vehicle gates of the quantity and size indicated on the Drawings or required for functional access to site.
1. Fabricate of same material as used for fencing.
  2. Vehicle gates:
    - a. Minimum width: 20 feet to allow access for emergency vehicles.
    - b. Capable of manual operation by one person.

### **PART 3 - EXECUTION**

#### **3.1 GENERAL- TEMPORARY CHAIN LINK FENCING**

- A. Installation of temporary fencing shall not deter or hinder access to existing and new hose connections and fire hydrants.
  1. Maintain 3 feet diameter clear space around fire hydrants.
  2. Where fire hydrant or hose connection is blocked by fencing, provide access gate.
- B. Access: Provide gates for personnel, delivery of materials, and access by emergency vehicles.
- C. Field verify gate locations with Architect.

#### **3.2 INSTALLATION - FENCE**

- A. Chain link posts:
  1. Post spacing shall be 12' maximum if using prefabricated panels and 10' maximum if wire tying mesh to posts.
  2. End, Corner and Line posts shall be **set in concrete OR post driven.**
  3. Gate posts: Use concrete footings and brace to provide rigidity for accommodating size of gate. **Gate posts MUST be set in concrete.**
- B. Fabric: Leave approximately 2" between finish grade and bottom selvage, unless otherwise indicated. Pull fabric taut and tie to posts. Install fabric on security side of fence, and anchor to framework so that fabric remains in tension after pulling force is released.
- C. Gates: Install with required hardware.
- D. Wire Ties: 11 gage galvanized steel.
- E. Tension Wire: 7 gage, galvanized coated coil spring wire, metal and finish to match fabric.
- F. Concrete: Provide concrete consisting of portland cement, ASTM C 150, aggregates ASTM C 33, and clean water. Mix materials to obtain concrete with a minimum 28 day compressive strength of 3,000 psi using at least 4 sacks of cement per cu. yd., 1" maximum size aggregate, maximum 3" slump.

#### **3.3 INSTALLATION - GATES**

- A. Chain link gates:

1. Fabricate perimeter frames of gates from metal and finish to match fence framework. Assemble gate frames by welding or with special fittings and rivets for rigid connections, providing security against removal or breakage connections. Provide horizontal and vertical members to ensure proper gate operation and attachment of fabric, hardware and accessories. Space frame members maximum of 8' apart unless otherwise indicated.
  2. Provide same fabric as for fence, unless otherwise indicated. Install fabric with stretcher bars at vertical edges and at top and bottom edges. Attach stretcher bars to gate frame at not more than 15" o.c.
  3. Install diagonal cross-bracing consisting of 3/8" diameter adjustable length truss rods on gates to ensure frame rigidity without sag or twist.
- B. Gate Hardware: Provide hardware and accessories for each gate, galvanized per ASMT A 153, and in accordance with the following.
1. Hinges: Size and material to suit gate size, non-lift off type, offset to permit 180 degree gate opening. Provide 1½ pair hinges for each leaf over 6' nominal height.
  2. Latch: Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as integral part of latch.
  3. Keeper: Provide keeper for vehicle gates, which automatically engages gate leaf and holds it in open position until manually released.
  4. Double Gates: Provide gate stops for double gates, consisting of mushroom type flush plate with anchors, set in concrete, and designed to engage center drop rod or plunger bar. Include locking device and padlock eyes as integral part of latch, permitting both gate leaves to be locked with single padlock.

### **3.4 MAINTENANCE**

- A. Maintain fencing in good condition. If damaged, Contractor shall immediately repair at no additional cost to owner.

### **3.5 FIELD QUALITY CONTROL**

- A. Post and Fabric Testing: Test fabric tension and line post rigidity according to ASTM F1916.
- B. Gate Tests:
1. Prior to acceptance of installed gates, demonstrate proper operation of gates under each possible open and close condition specified.
  2. Adjust gate to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range.
  3. Confirm that latches and locks engage accurately and securely without forcing and binding.

### **3.6 CLEANUP**

- A. Remove excess fencing materials, soil, concrete and any other debris from Site which resulted from installation of fences and/or gates.

**END OF SECTION**

## SECTION 08310 COILING COUNTER DOOR

### PART 1 – GENERAL

#### 1.1 SECTION INCLUDES

- A. STAINLESS STEEL COILING METAL COUNTER DOOR WITH INTEGRAL FRAME

#### 1.2 RELATED SECTIONS

- A. Drawings and general provisions of the Contract including General and Supplementary Conditions and Division 1 Specification sections apply to work of this section.
- B. Section 05500 - Metal Fabrications: Support framing and framed opening.

#### 1.3 REFERENCES

- A. ASTM A 653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- B. ASTM A 666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- C. ASTM A 924 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
- D. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- E. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric).
- F. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).
- G. NEMA ICS 2 - Industrial Control and Systems: Controllers, Contactors, and Overload Relays, Rated Not More Than 2000 Volts AC or 750 Volts DC.
- H. NEMA MG 1 - Motors and Generators.

#### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
- C. Preparation instructions and recommendations.
- D. Storage and handling requirements and recommendations.
- E. Details of construction and fabrication.
- F. Installation methods.
- G. Shop Drawings: Include detailed plans, elevations, details of framing members, required clearances, anchors, and accessories. Include relationship with adjacent construction.
- H. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual product, color, and patterns.
- I. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

#### 1.5 QUALITY ASSURANCE

- A. Furnish each overhead coiling counter door as a complete unit produced by one manufacturer, including hardware, accessories, mounting and installation components.
- B. Furnish overhead coiling counter door units by one manufacturer for entire project.
- C. Manufacturer Qualifications: Company specializing in performing Work of this section with a minimum of five years experience in the fabrication and installation of security closures.

- D. Installer Qualifications: Company specializing in performing Work of this section with minimum three years and approved by manufacturer.
- E. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
- F. Install in areas designated by Architect.
- G. Do not proceed with remaining work until workmanship and installation is approved by Architect.
- H. Refinish mock-up area as required to produce acceptable work.
- I. Anchorages: Furnish all anchoring devices and provide setting drawings, templates, instructions and directions for installation of anchoring devices. Coordinate delivery with other work to avoid delay.

#### **1.6 DELIVERY, STORAGE, AND HANDLING**

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.
- C. Store materials in a dry, warm, ventilated weathertight location.

#### **1.7 PROJECT CONDITIONS**

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### **1.8 COORDINATION**

- A. Coordinate Work with other operations and installation of adjacent finish materials to avoid damage to installed materials.

#### **1.9 WARRANTY**

- A. Warranty: Manufacturer's limited door warranty for 2 years for all parts and components.

### **PART 2 – PRODUCTS**

#### **2.1 MANUFACTURERS**

- A. Overhead Door Corporation, 2501 S. State Hwy. 121, Suite 200, Lewisville, TX 75067. ASD. Tel. Toll Free: (800) 275-3290. Phone: (469) 549-7100. Fax: (972) 906-1499. Web Site: [www.overheaddoor.com](http://www.overheaddoor.com); E-mail: info@overheaddoor.com.
- B. Raynor; 1101 East River Road, Dixon, IL 61021-0448; [www.raynor.com](http://www.raynor.com); PH: 815.285.7144.
- C. Cookson; 1901 South Litchfield Road, Goodyear, AZ 85338; [www.cooksondoor.com](http://www.cooksondoor.com): PH: 800.294.4358

#### **2.2 OVERHEAD COILING METAL COUNTER DOORS WITH INTEGRAL FRAME**

- A. Stainless Steel Counter Doors with Integral Frame: Overhead Door Corporation, 657 Series.**
  - 1. Curtain: Interlocking roll-formed stainless steel slats with a #4 finish and with endlock for curtain alignment. Slats, 22 gauge stainless steel with stainless steel tubular bottom bar with neoprene astragal.
  - 2. Integral Frame and Sill: Integral stainless steel frame with a #4 finish and a stainless steel sill. Frame consists of 16 gauge jambs and header, with 14 gauge sill.
  - 3. Counterbalance: Helical torsion spring type housed in a steel tube or pipe barrel, supporting the curtain with deflection limited to 0.03 inch (0.8 mm) per foot of span. Counterbalance shall be adjustable by means of an adjusting tension wheel.

4. Hood: Stainless steel with a #4 finish and provided with intermediate support brackets as required.
5. Operation:
  - a. Manual push up.
6. Locking:
  - a. Cylinder lock.
7. Wall Mounting Condition:
  - a. Between jambs mounting installed in an existing opening.

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION**

- A. Verify opening sizes, tolerances and conditions are acceptable.
- B. Examine conditions of substrates, supports, and other conditions under which this work is to be performed.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

#### **3.2 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

#### **3.3 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.
- C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.
- D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.
- E. Coordinate installation of sealants and backing materials at frame perimeter as specified in Section 07900.
- F. Install perimeter trim and closures.

#### **3.4 ADJUSTING**

- A. Test for proper operation and adjust as necessary to provide proper operation without binding or distortion.
- B. Adjust hardware and operating assemblies for smooth and noiseless operation.

#### **3.5 CLEANING**

- A. Clean curtain and components using non-abrasive materials and methods recommended by manufacturer.
- B. Remove labels and visible markings.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

#### **3.6 PROTECTION**

- A. Protect installed products until completion of project.

### **END OF SECTION**

## SECTION 08330 - COILING DOORS

### PART 1 - GENERAL

#### 1.1 SECTION INCLUDES

- A. Overhead Coiling Service Doors.

#### 1.2 RELATED SECTIONS

- A. Section 05500 - Metal Fabrications: Support framing and framed opening.
- B. Section 08700 - Door Hardware: Product Requirements for cylinder core and keys.

#### 1.3 REFERENCES

- A. ANSI/DASMA 108 - American National Standards Institute Standard Method For Testing Sectional Garage Doors And Rolling Doors: Determination Of Structural Performance Under Uniform Static Air Pressure Difference.
- B. ASTM E 90 - Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Element.
- C. ASTM E 330 - Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference.
- D. ASTM A 653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- E. ASTM A 924 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
- F. ASTM B 221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes.
- G. NEMA 250 - Enclosures for Electrical Equipment (1000 Volts Maximum).
- H. NEMA MG 1 - Motors and Generators.

#### 1.4 DESIGN / PERFORMANCE REQUIREMENTS

- A. Overhead coiling service doors:
  - 1. Wind Loads: Design door assembly to withstand wind/suction load of 20 psf (958 Pa) without damage to door or assembly components in conformance with ASTM E 330.
  - 2. Operation: Design door assembly, including operator, to operate for not less than 20,000 cycles.
- B. Single-Source Responsibility: Provide doors, tracks, motors, and accessories from one manufacturer for each type of door. Provide secondary components from source acceptable to manufacturer of primary components.

#### 1.5 SUBMITTALS

- A. Submit under provisions of Section 01600.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Preparation instructions and recommendations.
  - 2. Storage and handling requirements and recommendations.
  - 3. Details of construction and fabrication.
  - 4. Installation instructions.

- C. Shop Drawings: Include detailed plans, elevations, details of framing members, anchoring methods, required clearances, hardware, and accessories. Include relationship with adjacent construction.
- D. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) long, representing actual product, color, and patterns.
- F. Manufacturer's Certificates: Certify products meet or exceed specified requirements.
- G. Operation and Maintenance Data: Submit lubrication requirements and frequency, and periodic adjustments required.

#### **1.6 QUALITY ASSURANCE**

- A. Furnish each coiling door as a complete unit produced by one manufacturer, including hardware, accessories, mounting and installation components.
- B. Manufacturer Qualifications: Company specializing in performing Work of this section with a minimum of five years experience in the fabrication and installation of security closures.
- C. Installer Qualifications: Installer Qualifications: Company specializing in performing Work of this section with minimum three years and approved by manufacturer.
- D. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
  - 1. Finish areas designated by Architect.
  - 2. Do not proceed with remaining work until workmanship, color, and sheen are approved by Architect.
  - 3. Refinish mock-up area as required to produce acceptable work.
  - 4. Anchorages: Furnish all anchoring devices and provide setting drawings, templates, instructions and directions for installation of anchoring devices. Coordinate delivery with other work to avoid delay.

#### **1.7 DELIVERY, STORAGE, AND HANDLING**

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Protect materials from exposure to moisture. Do not deliver until after wet work is complete and dry.
- C. Store materials in a dry, warm, ventilated weathertight location.

#### **1.8 PROJECT CONDITIONS**

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.

#### **1.9 COORDINATION**

- A. Coordinate Work with other operations and installation of adjacent materials to avoid damage to installed materials.

#### **1.10 WARRANTY**

- A. Warranty: Manufacturer's limited door and operator system, except the counterbalance spring and finish, to be free from defects in materials and workmanship for 3 years or 20,000 cycles, whichever occurs first.
- B. Warranty: Manufacturer's limited door system warranty for 2 years for all parts and components.
- C. PowderGuard Finish

1. PowderGuard Max: Applied to curtain, guides, bottom bar, headplates: Manufacturer's limited Max Finish warranty for 5 years.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURERS

- A. Overhead Door Corp., 2501 S. State Hwy. 121, Suite 200, Lewisville, TX 75067. ASD. Tel. Toll Free: (800) 275-3290. Phone: (469) 549-7100. Fax: (972) 906-1499. Web Site: [www.overheaddoor.com](http://www.overheaddoor.com). E-mail: [info@overheaddoor.com](mailto:info@overheaddoor.com).
- B. Raynor; 1101 East River Road, Dixon, IL 61021-0448; [www.raynor.com](http://www.raynor.com); PH: 815.285.7144.
- C. Cookson; 1901 South Litchfield Road, Goodyear, AZ 85338; [www.cooksondoor.com](http://www.cooksondoor.com); PH: 800.294.4358
- D. Requests for substitutions will be considered in accordance with provisions of Section 01600.

### 2.2 OVERHEAD COILING SERVICE DOORS

- A. Industrial Doors: Overhead Door Corporation, **Model 610 Service Doors**.
  1. Curtain: Interlocking roll-formed slats as specified following. Endlocks shall be attached to each end of alternate slats to prevent lateral movement.
    - a. Flat profile type F-265 for doors up to 18 feet 4 inches (5.59 m) wide, fabricated of:
      - i. 22 gauge galvanized steel.
    - b. Flat profile type F-265 for doors between 18 feet 4 inches (5.59 m) and 25 feet 4 inches (7.72 m) wide, fabricated of:
      - i. 20 gauge galvanized steel.
    - c. Flat profile type F-265 for doors between 25 feet 4 inches (7.72 m) and 40 feet (12.19 m) wide, fabricated of:
      - i. 18 gauge galvanized steel.
  2. Slats and Hood Finish:
    - a. Galvanized Steel: Slats and hood galvanized in accordance with ASTM A 653 and receive rust-inhibitive, roll coating process, including 0.2 mils thick baked-on prime paint, and 0.6 mils thick baked-on polyester top coat.
      - i. Powder Coat:
        - 1) Powder coat, color as selected by Architect.
      - ii. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer.
  3. Weatherseals:
    - a. Vinyl bottom seal.
    - b. Guide weatherseal.
  4. Bottom Bar:
    - a. Two galvanized steel angles.
  5. Guides: Three structural steel angles.
  6. Brackets:
    - a. Galvanized steel to support counterbalance, curtain and hood.
  7. Finish; Bottom Bar, Guides, Headplate and Brackets:

Site Improvements and Interior Alterations to  
Fairhope High School for the  
Baldwin County Public Schools  
Fairhope, Alabama

COILING DOORS  
08330-3

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- a. Finish: PowderGuard Max powder color as selected by the Architect.
- 8. Counterbalance: Helical torsion spring type housed in a steel tube or pipe barrel, supporting the curtain with deflection limited to 0.03 inch per foot of span. Counterbalance is adjustable by means of an adjusting tension wheel.
- 9. Hood:
  - a. 24 gauge galvanized steel with intermediate supports as required.
- 10. Electric Motor Operation: Provide UL listed electric operator, size as recommended by manufacturer to move door in either direction at not less than 2/3 foot nor more than 1 foot per second.
  - a. Sensing Edge Protection:
    - i. Electric sensing edge.
  - b. Operator Controls:
    - ii. Push-button and key operated control stations with open, close, and stop buttons.
    - iii. Controls – See Drawings for locations.
    - iv. Controls mounted as indicated on drawings.
  - c. Motor Voltage: 115/230 single phase, 60 Hz.
- 11. Windload Design:
  - a. **“None Required”**
- 12. Locking:
  - a. Interior slide bolt lock for electric operation with interlock switch.
  - b. Cylinder lock.
- 13. Wall Mounting Condition:
  - a. As Indicated on drawings.

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION**

- A. Verify opening sizes, tolerances and conditions are acceptable.
- B. Examine conditions of substrates, supports, and other conditions under which this work is to be performed.
- C. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

#### **3.2 PREPARATION**

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

#### **3.3 INSTALLATION**

- A. Install in accordance with manufacturer's instructions.
- B. Use anchorage devices to securely fasten assembly to wall construction and building framing without distortion or stress.

- C. Securely and rigidly brace components suspended from structure. Secure guides to structural members only.
- D. Fit and align assembly including hardware; level and plumb, to provide smooth operation.
- E. Coordinate installation of electrical service with Section 16150. Complete wiring from disconnect to unit components.
- F. Coordinate installation of sealants and backing materials at frame perimeter as specified in Section 07900.
- G. Install perimeter trim and closures.
- H. Instruct Owner's personnel in proper operating procedures and maintenance schedule.

### **3.4 ADJUSTING**

- A. Test for proper operation and adjust as necessary to provide proper operation without binding or distortion.
- B. Adjust hardware and operating assemblies for smooth and noiseless operation.

### **3.5 CLEANING**

- A. Clean curtain and components using non-abrasive materials and methods recommended by manufacturer.
- B. Remove labels and visible markings.
- C. Touch-up, repair or replace damaged products before Substantial Completion.

### **3.6 PROTECTION**

- A. Protect installed products until completion of project.

**END OF SECTION**

## SECTION 12304 - LAMINATE CLAD CASEWORK

### PART 1 - GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 WORK INCLUDED

- A. The extent of laminate clad casework as shown on the drawings.
- B. The work includes the fabrication and installation of laminate clad casework components of base cabinets, wall cabinets, tall cabinets, shelf units, cubbies and related countertops and other units as indicated.

#### 1.3 RELATED WORK SPECIFIED ELSEWHERE

- A. Sinks and Service Fixtures: Furnished and installed under Mechanical and Electrical Divisions 15 and 16.
- B. Base Molding: Furnished and installed under Finishes Division 9.

#### 1.4 QUALITY ASSURANCE

- A. Provide laminate clad casework and countertops furnished by the same supplier for single responsibility and integration with other building trades.
- B. Manufacturers shall show evidence of at least five (5) years experience and installations for similar types of projects.
- C. Millwork must conform to design quality of materials, workmanship and function of casework specified and shown on drawings.

#### 1.5 SUBMITTALS

- A. Product Data: In addition to the general conditions as relates to prior approvals, submittals of manufacturer's data, installation instructions and samples are required upon architect's request.
- B. Samples:
  - 1. Submit 2, 2" x 3" samples of casework manufacturer's standard decorative laminate colors, patterns and textures for exposed and semi-exposed materials for architect's selection.
  - 2. Samples will be reviewed by architect for color, texture, and pattern only. Compliance with other specified requirements is the exclusive responsibility of the contractor.
  - 3. Submit one full-size sample base cabinet unit with hardware, doors and drawers, without countertop.
  - 4. Submit one full-size sample wall cabinet unit complete with hardware, doors, and adjustable shelves.
  - 5. Acceptable sample units will be used for comparison inspections at the project. Unless otherwise directed, acceptable sample units may be incorporated in the work. Notify architect of their exact locations. If not incorporated in the work, retain acceptable sample units in the building until completion and acceptance of the work.
  - 6. Remove sample units from the premises when directed by the architect.
- C. Shop Drawings:
  - 1. Submit shop drawings for laminate clad casework and counter- tops showing layout, elevations, ends, cross-sections, service run spaces, and location of services. Show details and location of anchorages.
  - 2. Include layout of units with relation to surrounding walls, doors, windows, and other building components.

3. Coordinate shop drawings with other work involved.

## **1.6 PRODUCT HANDLING**

- A. Deliver laminate clad casework and countertops only after wet operations in building are completed.
- B. Store completed laminate clad casework and countertops in a ventilated place, protected from the weather, with relative humidity range of 20% to 50%.
- C. Protect finished surfaces from soiling and damage during handling and installation. Keep covered with a protective covering.

## **1.7 JOB CONDITIONS**

- A. Humidity and Temperature Controls:
  1. Advise contractor of requirements for maintaining heating, cooling and ventilation in installation areas as required to reach relative humidity necessary to maintain optimum moisture content.

## **1.8 WARRANTY**

- A. All materials and workmanship covered by the section will carry a one (1) year warranty from date of acceptance.

# **PART 2 - PRODUCTS**

## **2.1 MANUFACTURERS**

- A. The following manufacturers' products have been used to establish minimum standards for materials, workmanship and function:
  1. Case Systems- Midland, MI. (Basis of Design)
  2. TMI Systems - Dickson, N.D.
  3. L.S.I.
  4. Stevens Industries - Teutopolis, IL.
  5. Cabinets by Design, LLC; 770.418.1200
  6. PR Bean Company, LLC; 812.254.3761
  7. Advanced Cabinet Systems (ACS); 765.677.8000
  8. Varner Woodworks, Montgomery, AL.

## **2.2 MATERIALS**

- A. Definitions: Identification of casework parts by surface visibility.
  1. Unit Body Open Interiors: Any storage unit surface without solid door or drawer fronts and units with glass sliding or glass framed doors.
  2. Unit Body Closed Interiors: Any storage unit surface behind solid door or drawer fronts.
  3. Unit Body Exposed Side: Any storage unit exterior side surface is visible.
  4. Concealed Surfaces: Any surface not normally visible after installation.

## **2.3 CORE MATERIALS**

- A. Particleboard: Minimum density 45 lb. western particleboard of fir or pine meeting or exceeding ANSI A 208 1-1979, 1-M-3 requirements. Thickness used are 1/4", 1/2", 3/4" and 1". (Thickness of particleboard excluding skins).
- B. Hardboard: Prefinished hardboard in 1/4" thickness meeting or exceeding commercial standards CS-251.
- C. Plywood: Shall be 9-ply hardwood plywood.

## **2.4 DECORATIVE LAMINATES**

- A. High pressure decorative laminate GP50 (.050), NEMA Test LD-3 - 1985.
- B. High pressure decorative laminate GP38 (.038), NEMA Test LD-3 - 1985.
- C. High pressure decorative laminate GP28 (.028), NEMA Test LD-3 - 1985. Laminate shall be counter balanced.
- D. High pressure decorative laminate PF42 (.042), NEMA Test LD-3 - 1985.
- E. High pressure decorative laminate PF30 (.030), NEMA Test LD-3 - 1985
- F. High Pressure cabinet liner CL20 (.020), NEMA Test LD-3 - 1985.
- G. Laminate shall be counter balanced.
- H. Melamine laminate tested to meet NEMA Test LD-3 - 1985. Laminate shall be counter balanced.
- I. High pressure backer BK20 (.020). Laminate shall be counter balanced.
- J. Laminate Color Selection(s):
  - 1. Colors for countertop grades GP50, GP38, PF42 and PF30 shall be selected from Wilsonart's standard solid and pattern offering. A maximum of five (5) colors per project.
  - 2. Colors for cabinet surfaces grade GP28 shall be selected from Wilsonart's standard solid and pattern offering. A maximum of one (1) color to be selected per unit face and five (5) colors per project.
  - 3. Melamine colors shall be light beige or dove grey. One color only per project.
  - 4. Colors: To be selected by architect after bid date / during submittal phase of project.

## **2.5 PLASTIC EDGING**

- A. 3mm PVC hot melt glue applied.

## **2.6 METAL PARTS**

- A. Countertop support brackets, legs and miscellaneous metal parts shall be furniture steel, welded, degreased, cleaned, treated and powder painted in light beige, sienna brown, dove grey or black colors.

## **2.7 CABINETS HARDWARE**

- A. Hinges: Shall be five knuckle, 2-3/4 inch, overlay type, hospital tip, .095 inch thick steel. Hinges shall have a minimum of eight (8) edge and leaf fastenings. Doors 48 inches and over in height shall have three (3) hinges per door. Available in light beige, sienna brown, dove grey, black colors, or brushed chrome finish. Magnetic door catches are required with this hinge and shall be magnetic type with a minimum ten (10) pound pull, attached with screws and slotted for adjustment.
- B. Pulls: Door and drawer fronts shall be a semi-flush ABS plastic recessed and fastened with glue and screws. Available in light beige, sienna brown, dove grey or black colors.
- C. Drawer Slides: Shall be Blum bottom mount style No. BS 230E with epoxy finish. Slides will have a 100 pound load rating at full extension and a built-in, positive stop both directions. Slides shall have a life time warranty as offered by the slide manufacturer.
- D. Adjustable Shelf Supports: Shall be heavy-duty to support two hundred (200) pounds, self-locking nylon, to fit 32mm pre-drilled holes in cabinet ends and vertical partitions. The self supports shall have two (2) pins 5mm in diameter, to prevent the shelf support from rotating and tipping. Available for 3/4 inch or 1 inch thick shelves.
- E. Locks:
  - 1. Door and Drawer Locks: Shall be National Lock #M4-7054C, removable core, disc tumbler, cam style lock with strike. Each lock shall be furnished with two (2) keys.

2. Locks for sliding 3/4" doors shall be disc type plunger lock, sliding door type with strike locks for sliding glass doors shall be a ratchet type sliding showcase lock. Install locks on all teacher's cabinets.
  3. Chain bolts shall be 3 inches long, shall have a 18 inch pull and an angle strike to secure inactive door on cabinets over 72 inches in height. Elbow catches shall be used on inactive doors up to and including 72 inches in height.
- F. Coat Rods: Shall be 1-1/4 inch, 14 gauge chrome plated steel.
- G. Mirrors: Shall be 1/4 inch thick polished mirror plate.
- H. Computer Grommets: Shall be 2 1/2 inch dia. plastic insert and cover to be located at each computer station.

## **2.8 FABRICATION**

- A. Fabricate laminate clad casework to dimensions, profiles and details shown.
- B. Cabinet Joinery: Tops and bottoms shall be joined to cabinet ends using a minimum of six (6) dowels at each joint for twenty- four (24) inch deep cabinets and a minimum of four (4) dowels at each joint for twelve (12) inch deep cabinets. All dowels are to be industrial grade hardwood laterally fluted, with chamfered ends and a minimum diameter of ten (10) millimeters. Internal cabinet components such as fixed horizontals, rails and verticals are to be doweled in place. Dowels are to be securely glued and cabinets clamped under pressure during assembly to assure secure joints and cabinets and squareness.
- C. Unit Door and Drawer Fronts:
1. Shall be 3/4 inch thick particleboard and laminate with high pressure decorative laminate GP28 color as selected on the exposed surface and high pressure laminate cabinet liner CL20 on the interior surface light beige or dove grey color.
  2. All edges shall be finished with 3mm PVC in light beige, sienna brown, dove grey or black color.
  3. Framed glass insert doors shall be 1/4 inch thick plate glass trimmed with extruded PVC plastic in light beige, sienna brown, dove grey or black color only.
  4. Double doors shall be used on all cabinets in excess of 24 inches in width.
- D. Unit Body Open Interiors:
1. Exposed cabinet sides shall be 3/4 inch thick particleboard laminated on the exterior with high pressure decorative laminate GP28 in color as selected and balanced with high pressure cabinet liner CL20 in light beige or dove grey color. The front edge shall be edgebanded with 1mm PVC to match the door and drawer front edge color.
  2. Unexposed cabinet sides shall be 3/4 inch thick particleboard laminated both sides with melamine in light beige or dove grey color. The front edge shall be edgebanded with 1mm PVC to match the door and drawer front edge color.
  3. Unit top or subtop shall be 3/4 inch thick particleboard laminated both sides with melamine and front edge with 1mm PVC to match the door and drawer front edge color. All subtops shall be full depth.
  4. Bottom of base and wardrobe units shall be 3/4 inch thick particleboard laminated both sides with melamine and front edged with 1mm PVC to match the door and drawer front edge color.
  5. Fixed intermediates shall be 3/4 inch thick particleboard laminated both sides with melamine and front edged with 1mm PVC to match the door and drawer front edge color. An inter- mediate will be provided on all units over 36 inches wide.
  6. Standard unit backs shall be 1/2 inch thick prefinished particleboard. Color to match interior. Exposed back on fixed or movable cabinet to be 3/4 inch thick particleboard laminated with CL20 on the interior to match melamine color and GP28 on the exterior as selected.

7. Adjustable shelves shall be 3/4 inch thick particleboard up to 30 inches wide and 1 inch thick particleboard over 30 inches wide, laminated both sides with melamine in light beige or dove grey color.
8. Shelves shall be edged front edge only with 1mm PVC to match the self color.

E. Unit Body Closed Interiors:

1. Exposed cabinet sides shall be 3/4 inch thick particleboard laminated on the exterior with high pressure decorative laminate GP28 in color as selected and balanced with high pressure cabinet liner CL20 in light beige or dove grey color. The front edge shall be edgebanded with 1mm PVC to match the door and drawer front edge color.
2. Unexposed cabinet sides shall be 3/4 inch thick particleboard laminated both sides with melamine in light beige or dove grey color. The front edge shall be edgebanded with 1mm PVC to match the door and drawer front edge color.
3. Unit top or subtop shall be 3/4 inch thick particleboard laminated both sides with melamine and front edged with 1mm PVC to match the door and drawer front edge color. All sub- tops shall be full depth. Sink base units shall have a 1 inch x 1 inch x 1/8 inch angle iron rail in lieu of full sub- top.
4. Bottom of base and wardrobe units shall be 3/4 inch thick particleboard laminated both sides with melamine and front edges with 1mm PVC to match the door and drawer front edge color. Sink cabinet bottoms shall be laminated both sides with CL20.
5. Fixed intermediates shall be 3/4 inch thick particleboard laminated both sides with melamine and front edged with 1mm PVC to match the door and drawer front edge color. An intermediate will be provided on all units over 36 inches wide.
6. Standard unit backs shall be 1/2 inch thick prefinished particleboard. Color to match interior. Exposed back on fixed or movable cabinet to be 3/4 inch thick particleboard laminated with CL20 on the interior to match melamine color and GP28 on the exterior as selected.
7. Adjustable shelves shall be 3/4 inch thick particleboard up to 30 inches wide and 1 inch thick particleboard over 30 inches wide, laminated both sides with melamine in light beige or dove grey color.
8. Shelves shall be edged front edge only with 1mm PVC to match the shelf color.

F. Wall Unit Bottom:

1. For units with open interiors shall be 3/4 inch thick particleboard laminated both sides with melamine laminate in light beige or dove grey color.
2. For units with closed interiors shall be 3/4 inch thick particleboard laminated both sides with melamine laminate in light beige or dove grey color.
3. The front edge shall be edgebanded with 1mm PVC to match the door and drawer front edge color. The exposed bottom edge of each wall cabinet side shall be edgebanded with 1mm PVC.

G. Drawers:

1. Sides, back and sub-front shall be particleboard, 1/2 inch thick, laminated with melamine in light beige or dove grey color. The back and sub-front are dowelled and glued into sides. Dowels shall be fluted, with chamfered ends and a minimum diameter of eight (8) millimeters. To edge is banded with 1mm PVC edging in a matching color.
2. Drawer bottom shall be 1/2 inch thick prefinished particle- board with color to be light beige or dove grey, screwed directly to the bottom edges of the drawer box.
3. Paper storage drawers are of heavy-duty 3/4 inch particle- board laminated both sides with melamine color to be light beige or dove grey, and constructed with retaining hood at the rear of each drawer.

H. Continuous or Unit Tops:

1. All cabinets over 42" and up to 72" in height shall be supplied with a  $\frac{3}{4}$ " plywood continuous top.
2. All cabinets over 42" and up to 72" in height shall be supplied, where indicated on drawings, with a finished 1" continuous top laminated with high pressure decorative laminate GP28 and balanced with high pressure backer BK20.

I. Bases:

1. Provide and install all base and tall units with finished integral base. Provide  $\frac{3}{4}$ " thick marine grade plywood bases. All bases shall have finished facings unless rubber vinyl base covering is being furnished and applied by others.

## 2.9 DECORATIVE LAMINATE COUNTERTOPS

- A. General: Provide materials which have been selected for surface flatness and smoothness. Exposed surfaces which exhibit pitting, seam marks, roller marks, stains, discolorations, telegraphing of core material, or other imperfections on finished units are not acceptable.
- B. Adhesives or fasteners to be provided for securing of tops to cabinet work. Such materials to allow for contraction or expansion of tops where necessary.
- C. Tops shall be 1" thick unless otherwise specified and provided with 4" high curbs where tops abut walls, columns, case ends, etc.
- D. Backsplashes and Side-plashes shall be provided as indicated on drawings.
- E. Types:
  1. Plastic laminate counter tops shall be surfaced with general purpose horizontal grade laminate. Cores shall be 1-1/8" built-up wood front edge; #45 density particleboard. All exposed edges, including back and end splashes, must be covered with the same laminate as top surfaces. When splice joints are required, they shall be joined with dowel pins and tite-joint fasteners as needed for a gapless joint.
- F. Plastic Laminate Type: Fire-rated type, 0.050" thick; UL tested and labeled ratings of 25 for flame spread, 25 for fuel contributed and 100 for smoke developed when bonded to wood particle board.
- G. Preparations for Finishing: Comply with AWI Quality Standards, Section I500, for sanding, filling countersunk fasteners, backpriming and similar preparations for finishing of architectural woodwork, as applicable to each unit of work.

## PART 3 - EXECUTION

### 3.1 INSPECTION

- A. The installer must examine the jobsite and the conditions under which the work under this section is to be performed, and notify the contractor in writing of unsatisfactory conditions. Do not proceed with work under this section until unsatisfactory conditions have been corrected in a manner acceptable to the installer.

### 3.2 PREPARATION

- A. Conditions laminate clad casework to average prevailing humidity conditions in installation areas prior to installing.

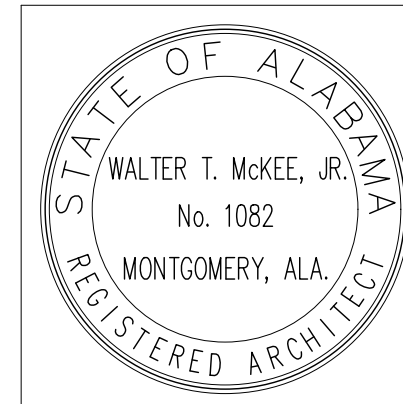
### 3.3 INSTALLATION

- A. Install casework with factory-trained supervision authorized by manufacturer. Erect casework, plumb, level, true and straight with no distortions. Shim as required. Where laminate clad casework abuts other finished work, scribe and cut to accurate fit.
- B. Adjust casework and hardware so that doors and drawers operate smoothly without warp or bind.
- C. Lubricate operating hardware as recommended by Manufacturer.

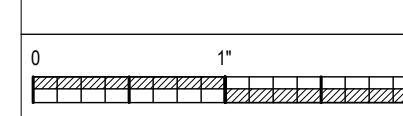
### **3.4 CLEANING AND PROTECTION**

- A. Repair or remove and replace defective work as directed upon completion of installation.
- B. Clean plastic surfaces, repair minor damage per plastic laminate manufacturer's recommendations. Replace other damaged parts or units.
- C. Advise contractors of procedures and precautions for protection of casework and tops from damage by other trades until acceptance of the work by the Owner.

**END OF SECTION**



PROJ. MGR.:	VCH
DRAWN:	VCH, A.J.B, KDD
DATE:	03.25.2026
REVISIONS	
1	04.08.2026



**SITE OF WORK EXAMINATION**

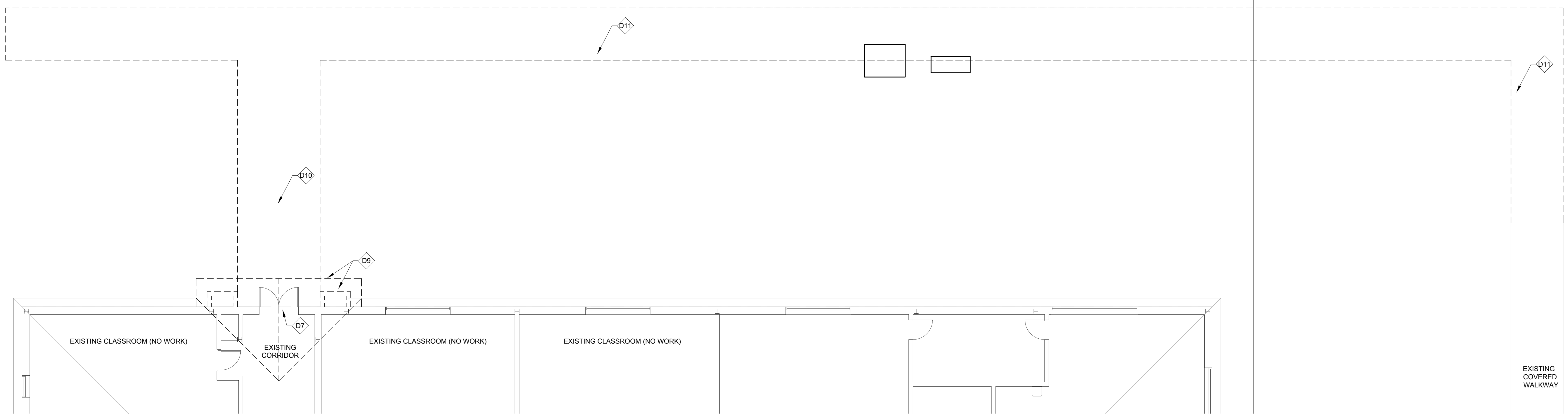
THESE DRAWINGS WERE COMPILED BY THE ARCHITECT FROM THE OWNER'S RECORD DRAWINGS AND FROM ON-SITE OBSERVATIONS TO INDICATE THE BUILDING ARRANGEMENT.

ALL CONTRACTORS SUBMITTING PROPOSALS FOR THIS WORK SHALL FIRST EXAMINE THE PREMISES AND ALL CONDITIONS THEREIN. ALL PROPOSALS SHALL TAKE INTO CONSIDERATION ALL SUCH CONDITIONS AS MAY AFFECT THE WORK UNDER THIS CONTRACT.

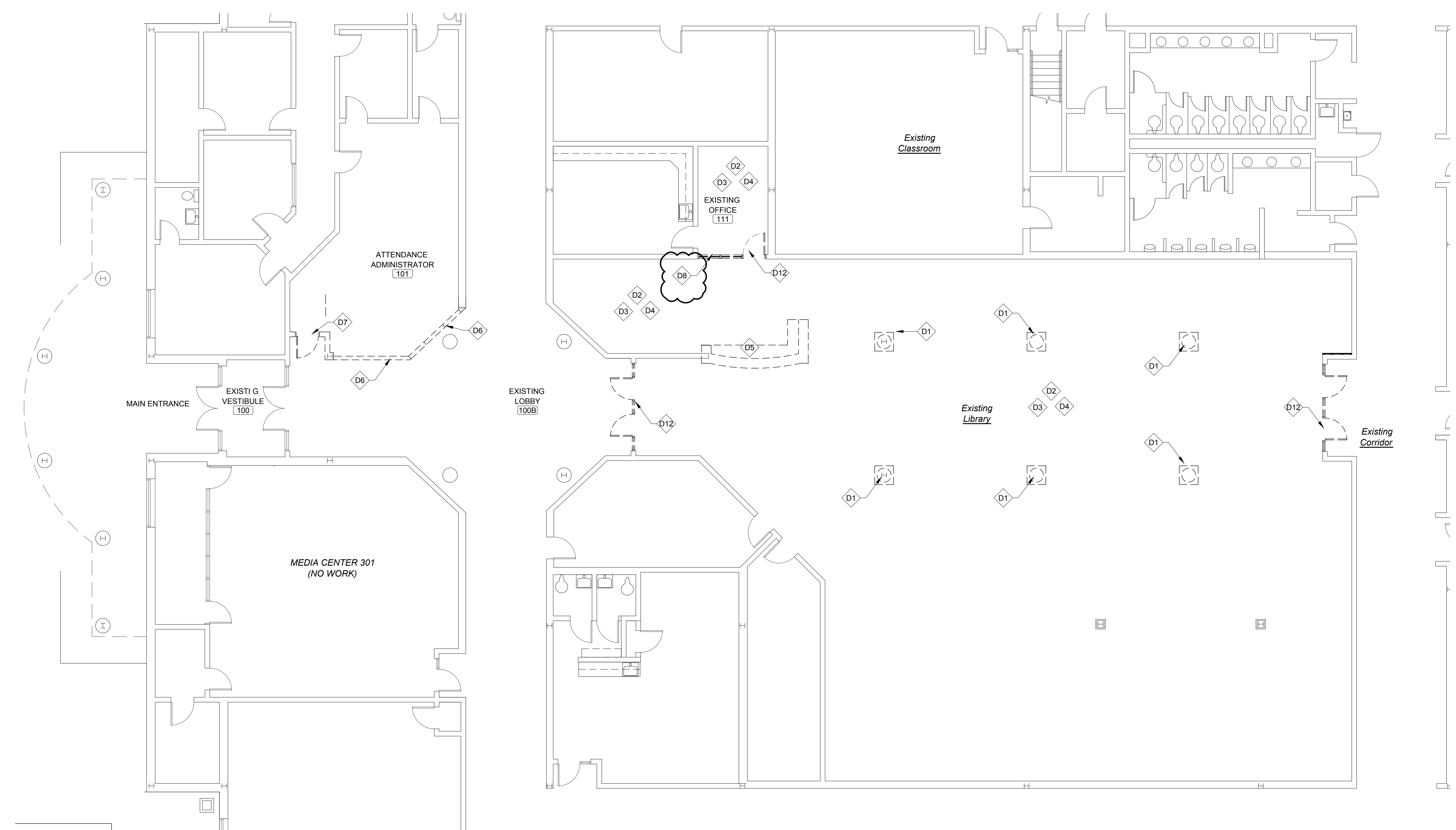
DRAWINGS ARE DIMENSIONED FOR BIDDING PURPOSES ONLY. CONTRACTORS SHALL MEASURE ALL EXISTING WORK AT THE PREMISES AND VERIFY ALL DIMENSIONS NEEDED TO PROPERLY INTERFACE IMPROVEMENTS WITH ALL EXISTING ELEMENTS WHICH ARE TO REMAIN.

**DEMOLITION PLAN LEGEND**

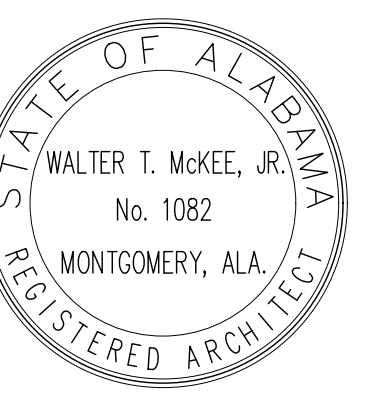
SYMBOL	DESCRIPTION
---	EXISTING TO REMAIN
- - - -	EXISTING TO BE REMOVED
D1	EXISTING COLUMN WRAP TO BE REMOVED IN ITS ENTIRETY.
D2	EXISTING CEILING TO BE REMOVED IN ITS ENTIRETY.
D3	SEE MECHANICAL / ELECTRICAL FOR WORK THIS AREA.
D4	EXISTING FLOOR FINISH AND BASE TO BE REMOVED IN ITS ENTIRETY. PREP AS REQUIRED FOR INSTALLATION OF NEW FLOOR FINISH.
D5	EXISTING CASEWORK TO BE REMOVED IN ITS ENTIRETY.
D6	REMOVE EXISTING WALL TO EXTENTS SHOWN AND CLEAN/PREPARE FOR NEW WORK.
D7	EXISTING DOOR, FRAME, & HARDWARE TO BE REUSED. DOOR TO BE PROTECTED, CLEANED AND REFINISHED.
D8	REMOVE EXISTING WINDOWS IN THEIR ENTIRETY.
D9	REMOVE EXISTING BRICK/PAVE BUMP/OUT AND ROOF AT SIDE ENTRY AS INDICATED. CLEAN/PREPARE FOR NEW WORK.
D10	SEE CIVIL DRAWINGS FOR EXISTING SITE WORK TO BE DEMOLISHED.
D11	REMOVE EXISTING CANOPY AS INDICATED.
D12	REMOVE EXISTING DOOR UNIT AND FRAME IN ITS ENTIRETY.



**DEMOLITION PLAN - EXISTING NORTH ENTRY**  
SCALE: 1/8" = 1'-0"



**DEMOLITION PLAN - EXISTING LIBRARY**  
SCALE: 1/8" = 1'-0"

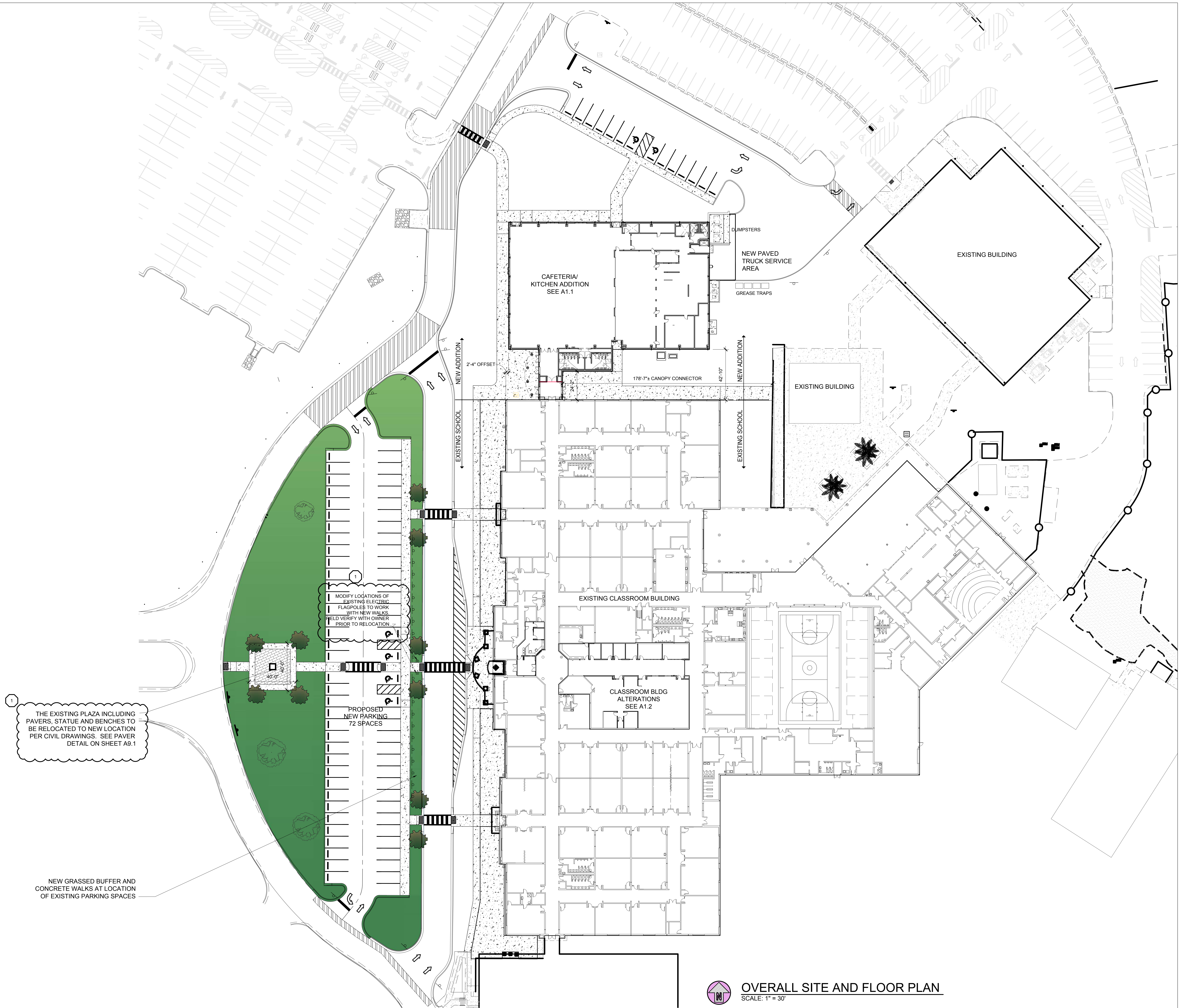
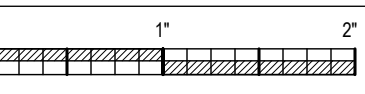


PROJ. MGR.:	VCH
DRAWN:	VCH, A.B, K.D
DATE:	03.25.2026
REVISIONS:	
1	04.08.2026

JOB NO. 25-160B

SHEET NO.

**A0.1**

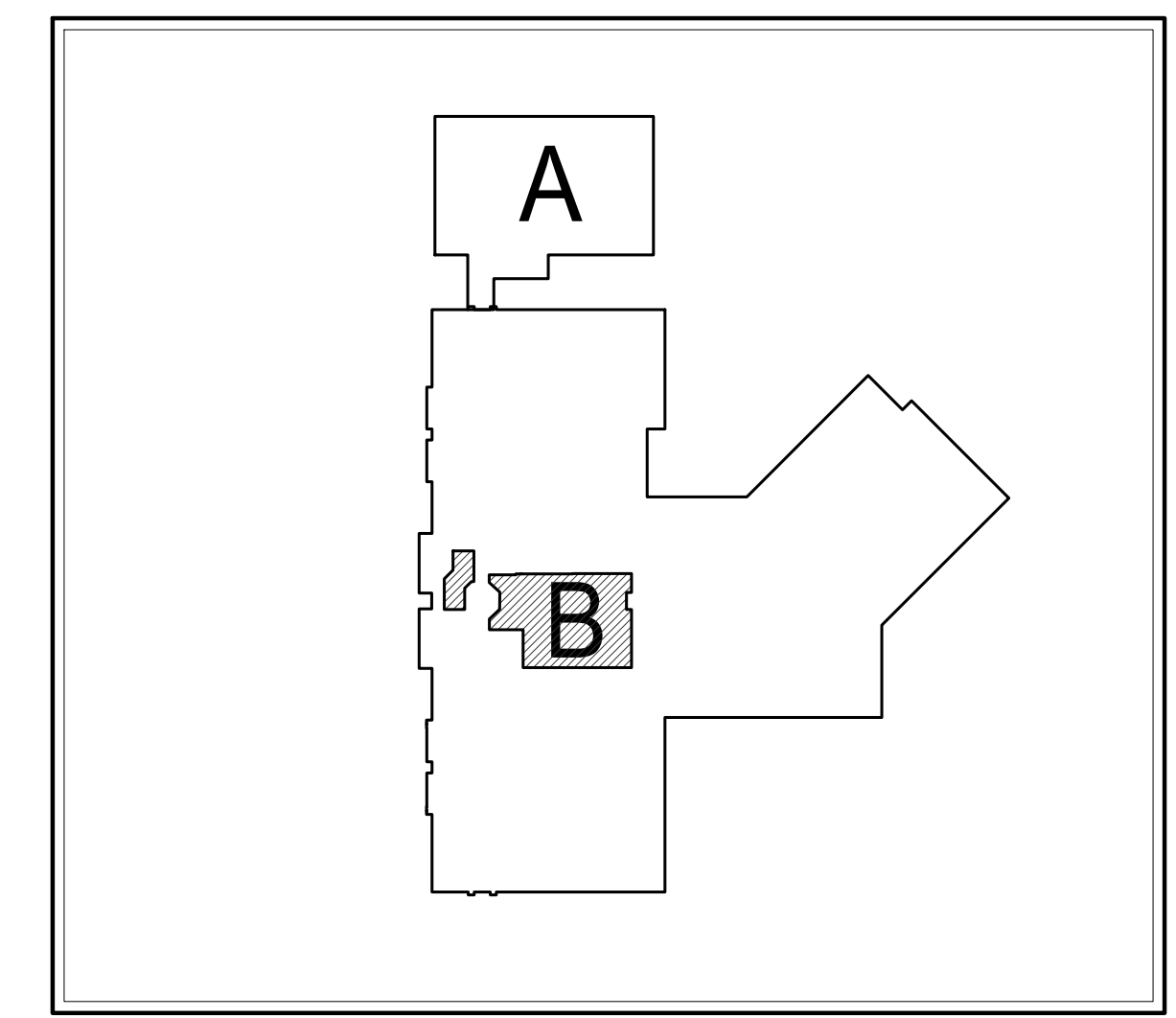


1 THE EXISTING PLAZA INCLUDING PAVERS, STATUE AND BENCHES TO BE RELOCATED TO NEW LOCATION PER CIVIL DRAWINGS. SEE PAVER DETAIL ON SHEET A9.1

1 MODIFY LOCATIONS OF EXISTING ELECTRIC FLAGPOLES TO WORK WITH NEW WALKS. FIELD VERIFY WITH OWNER PRIOR TO RELOCATION

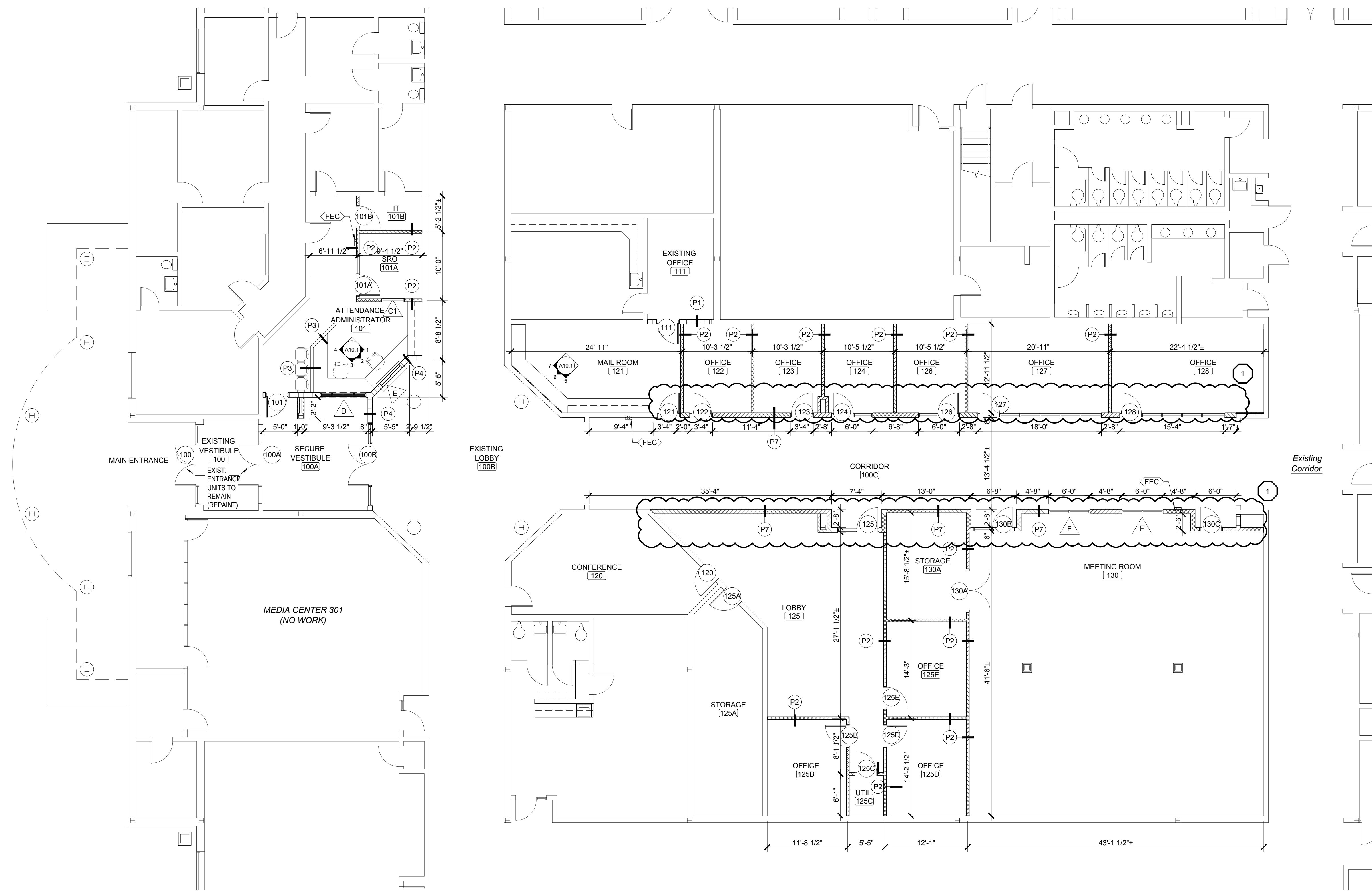
NEW GRASSED BUFFER AND CONCRETE WALKS AT LOCATION OF EXISTING PARKING SPACES

**OVERALL SITE AND FLOOR PLAN**  
SCALE: 1" = 30'



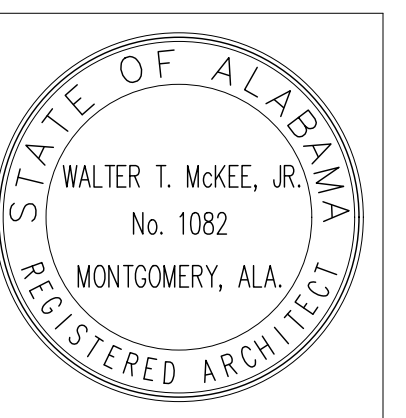
**KEY PLAN**  
SCALE: NTS

SYMBOL	DESCRIPTION
	SCHEDULED DOOR AND FRAME
	SCHEDULED WINDOW UNIT
	SCHEDULED ROOM NAME AND NUMBER
	SECTION / DETAIL SYMBOL
	BUILDING SECTION SYMBOL
	INTERIOR ELEVATION SYMBOL
	WALL PARTITION TYPES
	FIRE EXTINGUISHER CABINET (SEE DETAIL A9.1)



**PARTIAL FLOOR PLAN 'B' - CLASSROOM BUILDING**  
SCALE: 1/8" = 1'-0"

SHEET TITLE:

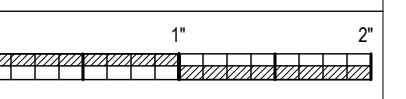


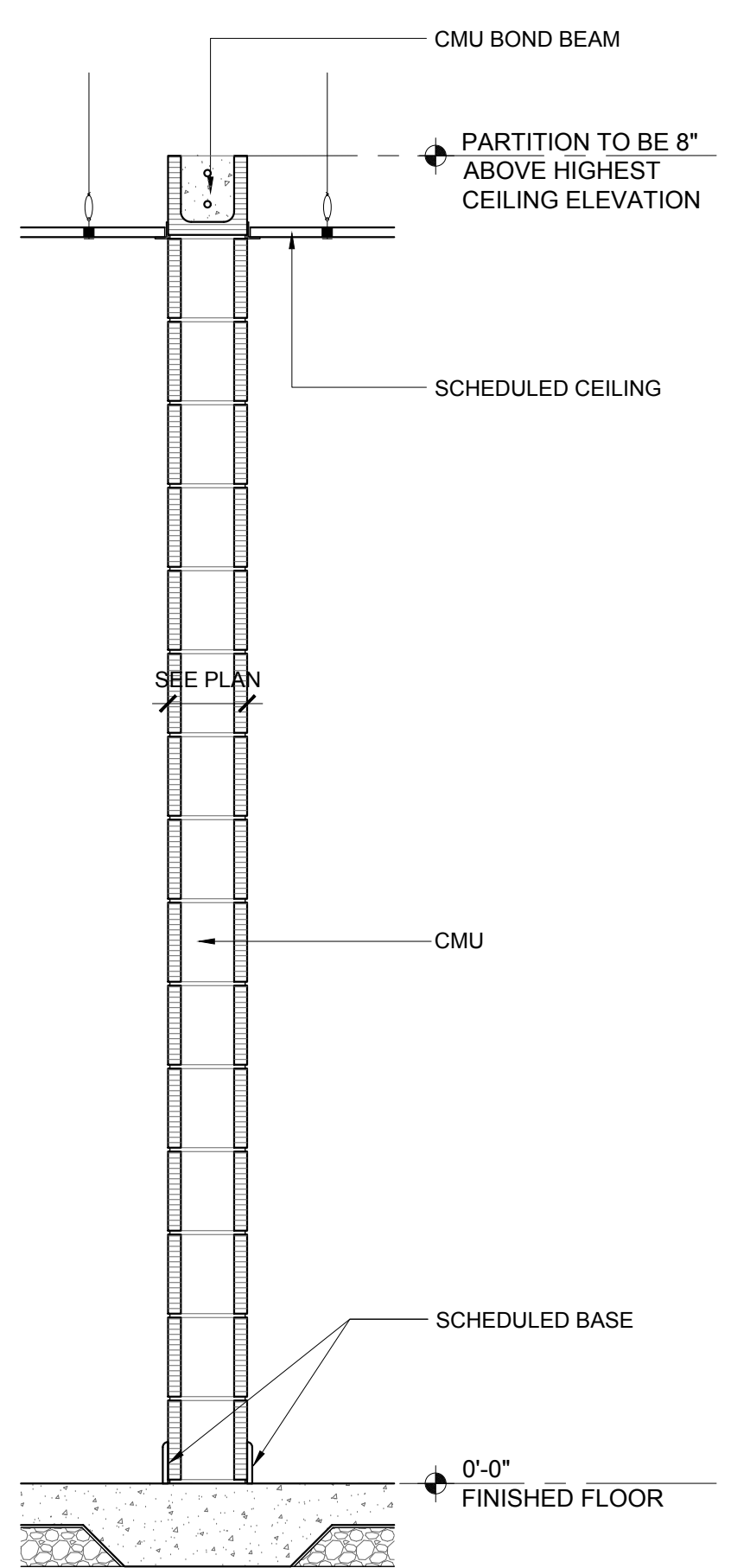
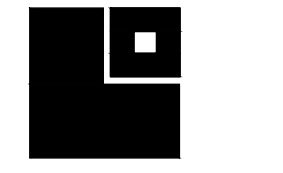
PROJ. MGR.: VCH  
DRAWN: VCH, AJB, KDD  
DATE: 03.25.2026  
REVISIONS:  
1 04.16.2026

JOB NO. 25-160B

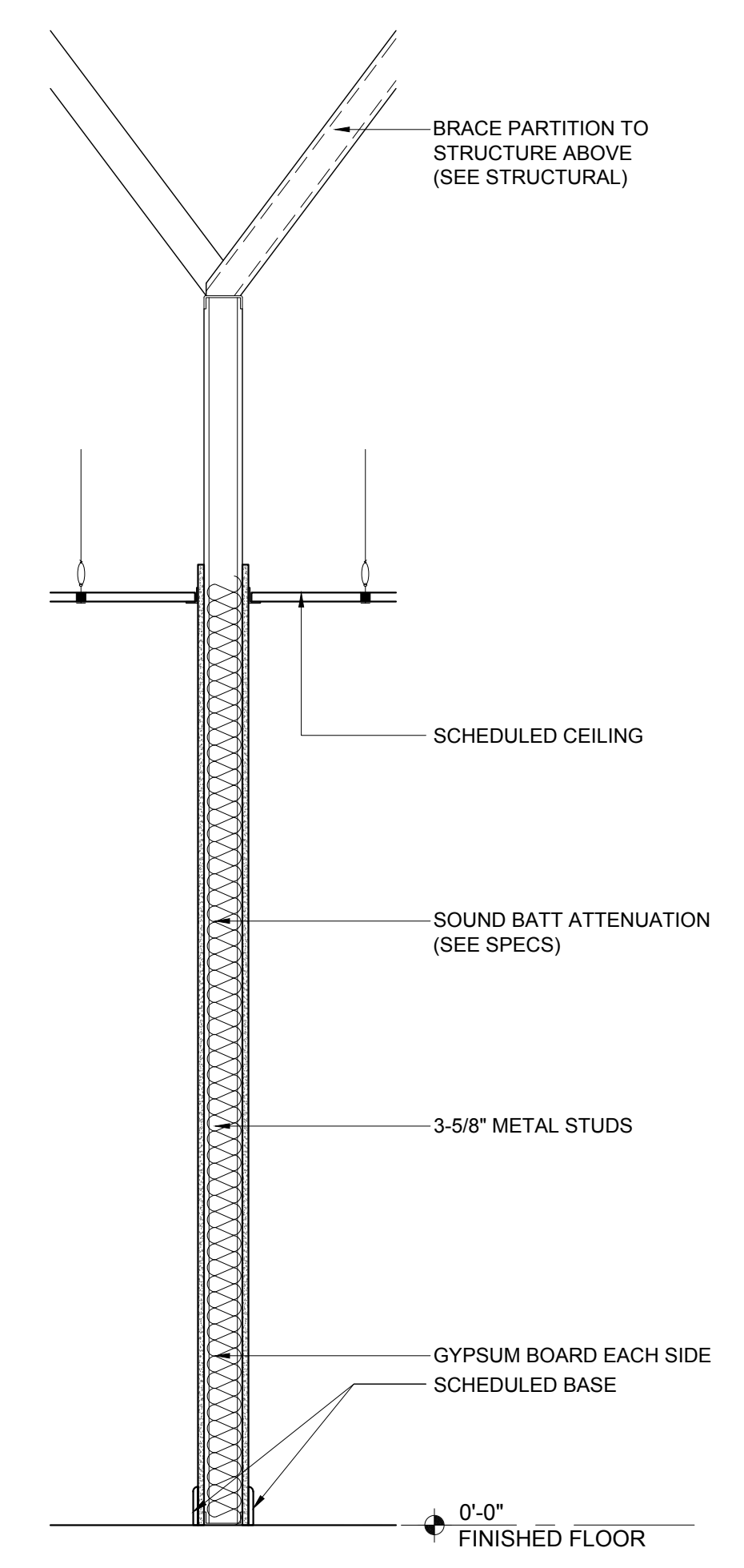
SHEET NO.

**A1.2**

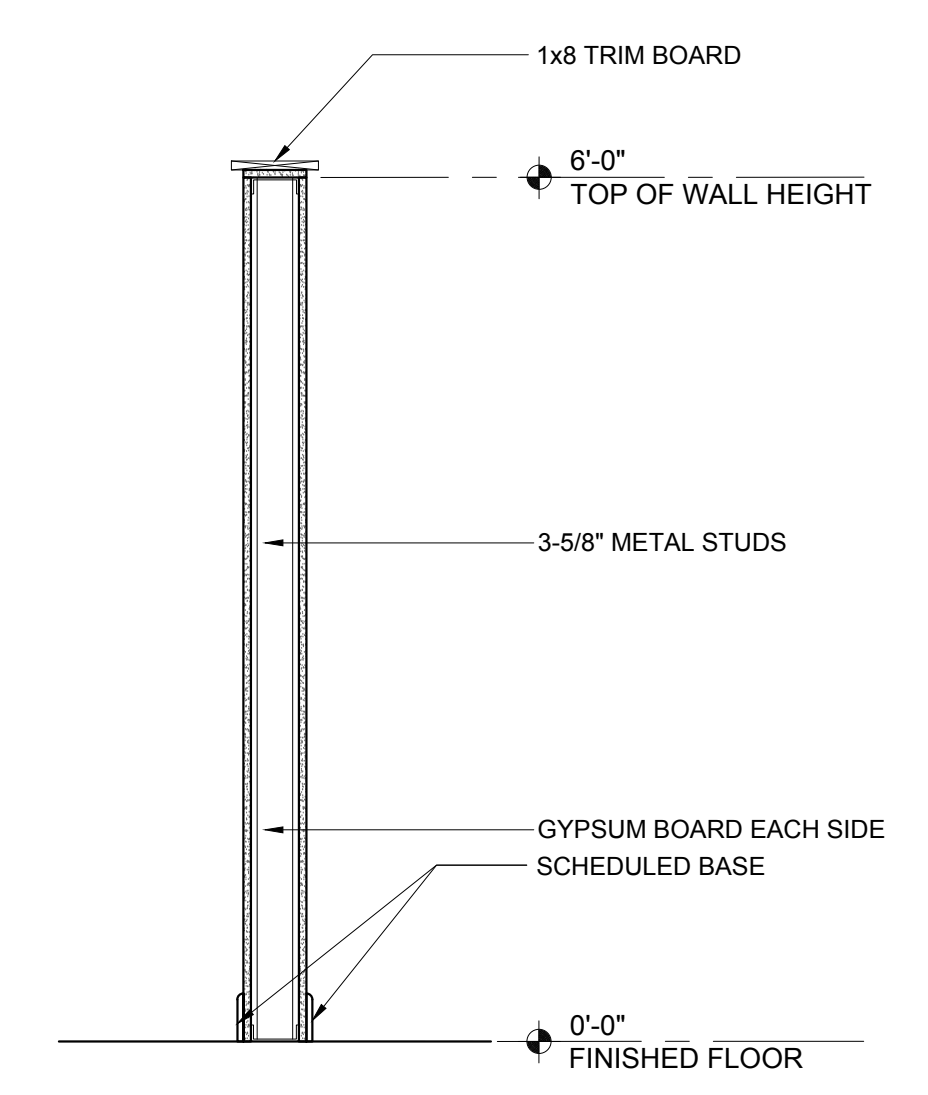




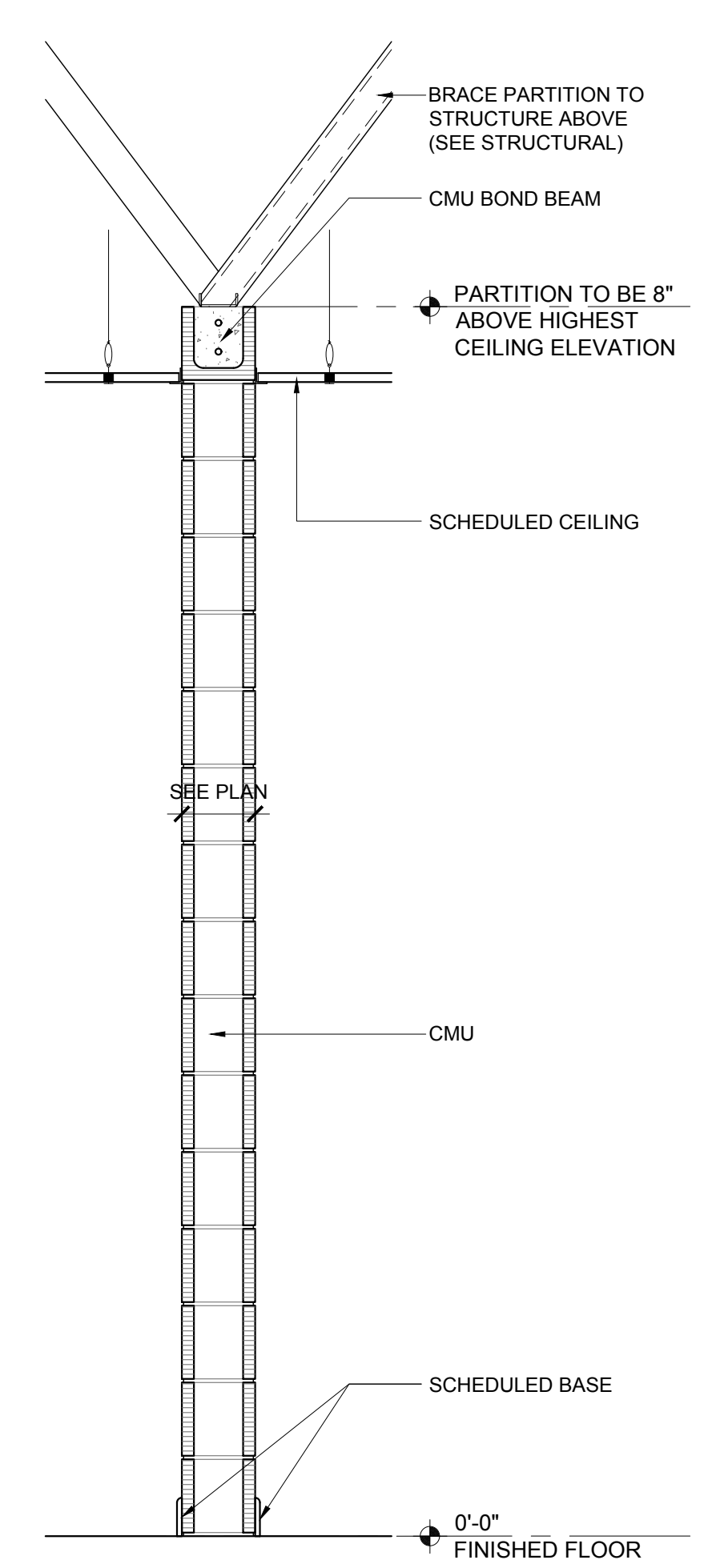
**P1** PARTITION TYPES  
SCALE: 3/4"=1'-0"



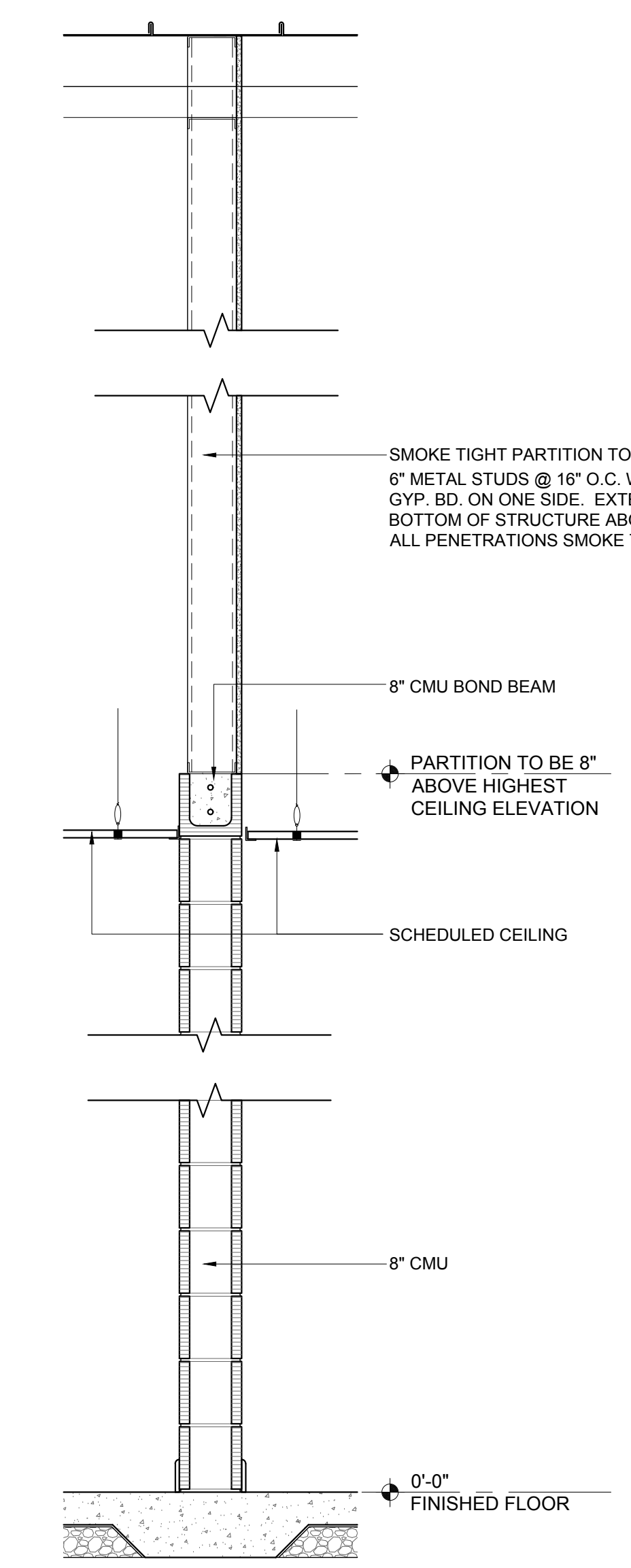
**P2** PARTITION TYPES  
SCALE: 3/4"=1'-0"



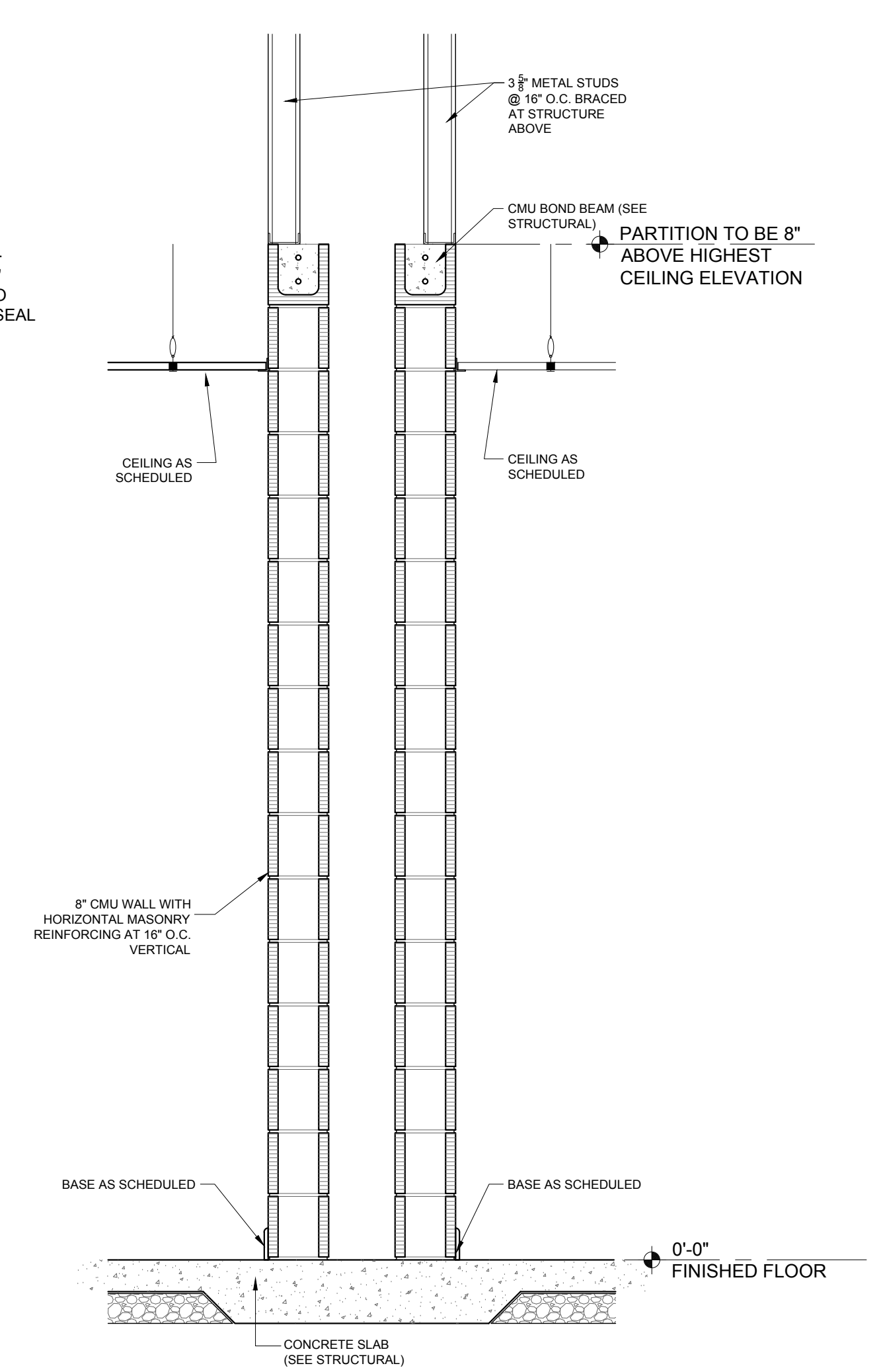
**P3** PARTITION TYPES  
SCALE: 3/4"=1'-0"



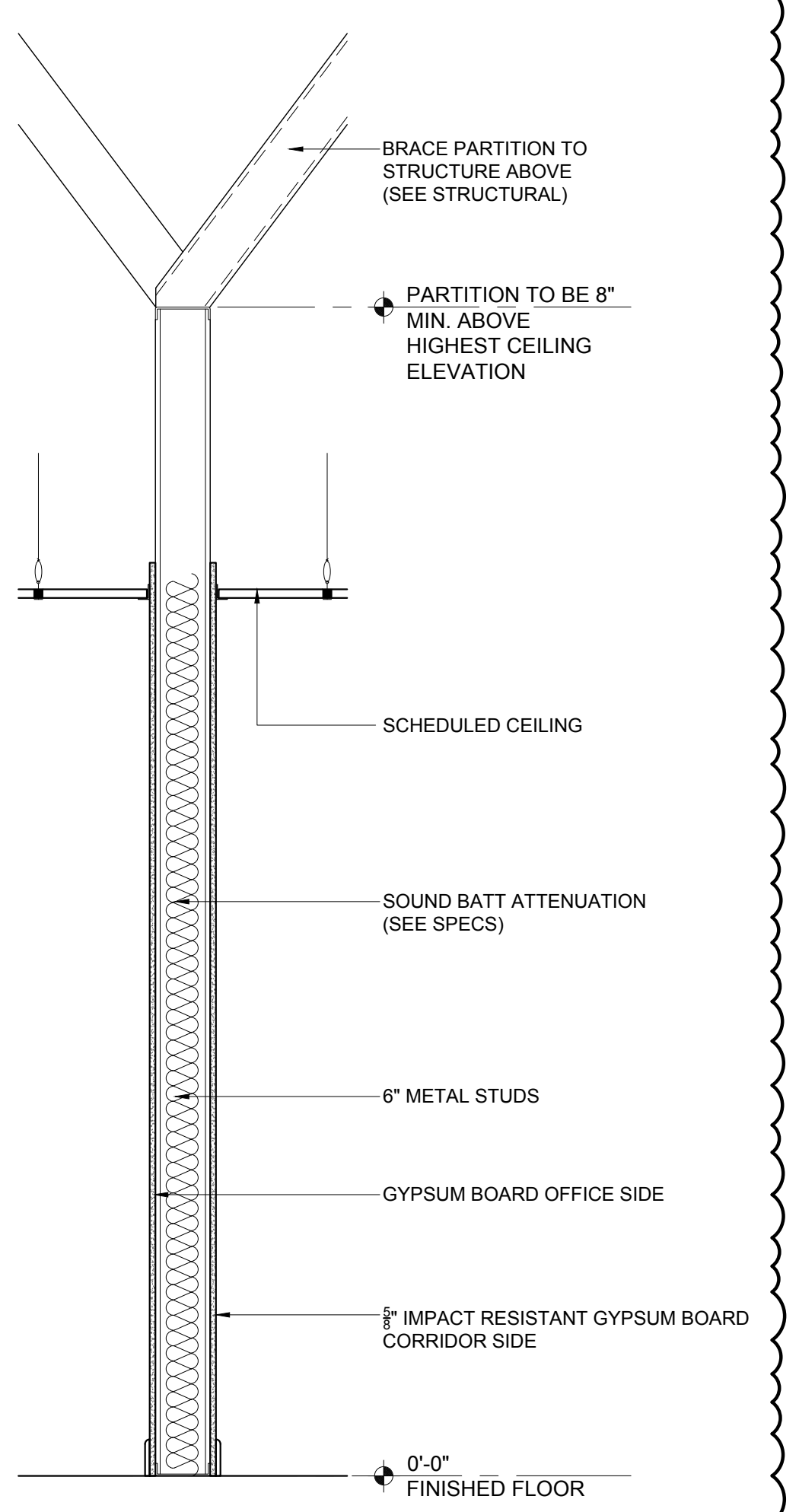
**P4** PARTITION TYPES  
SCALE: 3/4"=1'-0"



**P5** PARTITION TYPES  
SCALE: 3/4"=1'-0"

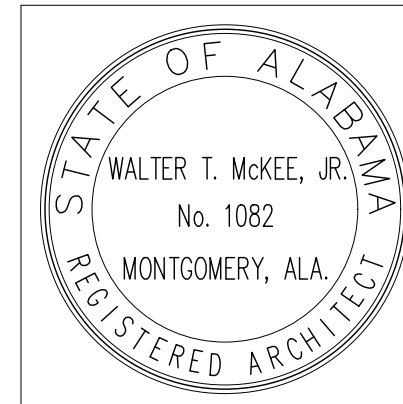


**P6** PARTITION TYPES  
SCALE: 3/4"=1'-0"



**P7** PARTITION TYPES  
SCALE: 3/4"=1'-0"

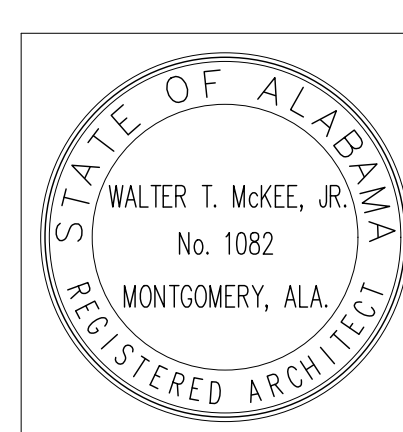
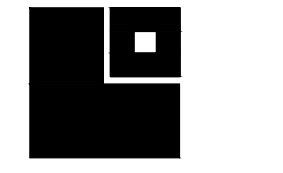
SHEET TITLE: PARTITION TYPES



PROJ. MGR.:	VCH
DRAWN:	VCH, AJB, KDD
DATE:	03.25.2026
REVISIONS:	
1	04.16.2026

JOB NO. 25-160B  
SHEET NO.

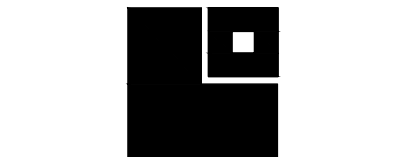
- I:\Users\kiddarchitect\LATHAN-McKEE PROJECTS\Fairhope HS Addition\A7.X Partitions.dwg - Thursday, April 16, 2026 1:52:07 PM



PROJ. MGR.:	VCH
DRAWN:	VCH, AJB, KDD
DATE:	03.25.2026
REVISIONS:	
1	04.16.2026

ROOM FINISH SCHEDULE												
TYPICAL ACRONYMS			PLP - PLASTIC LAMINATE WALL PANELS				RFT - RUBBER FLOOR TILES				RB - RUBBER BASE	
--- NO WORK REQUIRED			AWC - ACCOUSTICAL WALL COVERING				RSF - ROLL RUBBER SPORTS FLOORING				WB - WOOD BASE	
GBP - GYPSUM BOARD - PAINT			CT - CERAMIC TILE				VCT - VINYL COMPOSITION TILE				VCB - VENTILATED COVE BASE	
MSBP - MOISTURE RESISTANT GYPSUM BOARD - PAINT			PT - PORCELAIN TILE				WCF - WOOD GYMNASIUM FLOORING				PFB - PAINTED PLUMBING FLOORING	
IGBP - IMPACT RESISTANT GYPSUM BOARD - PAINT			PSC - POLISHED SEALED CONCRETE				CPT - CARPET				EP - EPOXY FLOORING (RESINOUS)	
CMUP - CONCRETE MASONRY UNIT - PAINT			TR - TERRAZZO				PF - POLYMER FLOORING				LVT - LUXURY VINYL TILE	
MWP - INTERIOR METAL WALL PANELS			SC - SEALED CONCRETE				QT - QUARRY TILE				LVT - LUXURY VINYL TILE	
ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING		WAINS.	HEIGHT	REMARKS
				NORTH	SOUTH	EAST	WEST	TYPE	HEIGHT			
100	EXISTING VESTIBULE	---	---	---	---	---	---	---	---	---	---	---
100A	SECURE VESTIBULE	---	---	PAINT	PAINT	PAINT	PAINT	SEE RCP PLAN	---	---	---	---
100B	EXISTING LOBBY	---	---	PAINT	PAINT	PAINT	PAINT	SEE RCP PLAN	---	---	---	---
100C	CORRIDOR	LVT	RB	CMUP	CMUP	PAINT	---	SEE RCP PLAN	---	---	---	---
101	ATTENDANCE ADMINISTRATOR	LVT	RB	GBP	CMUP	PAINT	PAINT	SEE RCP PLAN	---	---	---	---
101A	SRO	LVT	RB	GBP	GBP	PAINT	GBP	SEE RCP PLAN	---	---	---	---
101B	IT	LVT	RB	PAINT	GBP	PAINT	GBP	SEE RCP PLAN	---	---	---	---
111	OFFICE	CPT	RB	PAINT	CMUP	PAINT	PAINT	SEE RCP PLAN	---	---	---	---
120	CONFERENCE	---	---	PAINT	PAINT	PAINT	PAINT	SEE RCP PLAN	---	---	---	---
121	MAIL ROOM	LVT	RB	PAINT	PAINT	GBP	PAINT	SEE RCP PLAN	---	---	---	---
122	OFFICE	CPT	RB	CMUP	CMUP	GBP	GBP	SEE RCP PLAN	---	---	---	---
123	OFFICE	CPT	RB	PAINT	CMUP	GBP	GBP	SEE RCP PLAN	---	---	---	---
124	OFFICE	CPT	RB	PAINT	CMUP	GBP	GBP	SEE RCP PLAN	---	---	---	---
125	LOBBY	CPT	RB	CMUP	GBP	GBP	PAINT	SEE RCP PLAN	---	---	---	---
125A	STORAGE	---	---	PAINT	PAINT	PAINT	PAINT	SEE RCP PLAN	---	---	---	---
125B	OFFICE	CPT	RB	GBP	PAINT	GBP	PAINT	SEE RCP PLAN	---	---	---	---
125C	UTILITY	SC	RB	GBP	PAINT	GBP	GBP	SEE RCP PLAN	---	---	---	---
125D	OFFICE	CPT	RB	GBP	PAINT	GBP	GBP	SEE RCP PLAN	---	---	---	---
125E	OFFICE	CPT	RB	GBP	GBP	GBP	GBP	SEE RCP PLAN	---	---	---	---
126	OFFICE	CPT	RB	PAINT	CMUP	GBP	GBP	SEE RCP PLAN	---	---	---	---
127	OFFICE	CPT	RB	PAINT	CMUP	GBP	GBP	SEE RCP PLAN	---	---	---	---
128	OFFICE	CPT	RB	PAINT	CMUP	GBP	GBP	SEE RCP PLAN	---	---	---	---
130	MEETING ROOM	LVT	RB	CMUP	PAINT	PAINT	GBP	SEE RCP PLAN	---	---	---	---
130A	STORAGE	LVT	RB	CMUP	GBP	GBP	GBP	SEE RCP PLAN	---	---	---	---

ROOM FINISH SCHEDULE												
TYPICAL ACRONYMS			PLP - PLASTIC LAMINATE WALL PANELS				RFT - RUBBER FLOOR TILES				RB - RUBBER BASE	
--- NO WORK REQUIRED			AWC - ACCOUSTICAL WALL COVERING				RSF - ROLL RUBBER SPORTS FLOORING				WB - WOOD BASE	
GBP - GYPSUM BOARD - PAINT			CT - CERAMIC TILE				VCT - VINYL COMPOSITION TILE				VCB - VENTILATED COVE BASE	
MSBP - MOISTURE RESISTANT GYPSUM BOARD - PAINT			PT - PORCELAIN TILE				WCF - WOOD GYMNASIUM FLOORING				PFB - PAINTED PLUMBING FLOORING	
IGBP - IMPACT RESISTANT GYPSUM BOARD - PAINT			PSC - POLISHED SEALED CONCRETE				CPT - CARPET				EP - EPOXY FLOORING (RESINOUS)	
CMUP - CONCRETE MASONRY UNIT - PAINT			TR - TERRAZZO				PF - POLYMER FLOORING				LVT - LUXURY VINYL TILE	
MWP - INTERIOR METAL WALL PANELS			SC - SEALED CONCRETE				QT - QUARRY TILE				LVT - LUXURY VINYL TILE	
ROOM #	ROOM NAME	FLOOR	BASE	WALLS				CEILING		WAINS.	HEIGHT	REMARKS
				NORTH	SOUTH	EAST	WEST	TYPE	HEIGHT			
228	CONNECTOR	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
229	VESTIBULE	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
230	DINING	LVT	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
231	PLUMBING CHASE	SC	---	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
232	LADIES	PT	PT	PT/CMUP	PT/CMUP	CMUP	CMUP	SEE RCP PLAN	PT	7'-0"	WAINSCOT ON PLUMBING WALLS	---
233	GENTLEMEN	PT	PT	PT/CMUP	PT/CMUP	CMUP	CMUP	SEE RCP PLAN	PT	7'-0"	WAINSCOT ON PLUMBING WALLS	---
234	PLUMBING CHASE	SC	---	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
235	SERVING	EP	EP	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
236	KITCHEN	EP	EP	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
237	OFFICE	EP	EP	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
238	DRY STORAGE	EP	EP	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
239	COOLER	---	---	---	---	---	---	---	---	---	---	---
240	FREEZER	---	---	---	---	---	---	---	---	---	---	---
241	FREEZER	---	---	---	---	---	---	---	---	---	---	---
242A	UNISEX	PT	PT	CMUP	CMUP	PT/CMUP	CMUP	SEE RCP PLAN	PT	5'-0"	WAINSCOT ON PLUMBING WALLS	---
242B	UNISEX	PT	PT	CMUP	CMUP	CMUP	PT/CMUP	SEE RCP PLAN	PT	5'-0"	WAINSCOT ON PLUMBING WALLS	---
242C	LOCKERS	EP	EP	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
243	LAUNDRY	EP	EP	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
244	STORAGE	EP	EP	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
245	DISHROOM	EP	EP	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
246	JANITOR	PT	PT	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---
247	ELECTRICAL/MECHANICAL	SC	RB	CMUP	CMUP	CMUP	CMUP	SEE RCP PLAN	---	---	---	---



DOOR #	WIDTH	HEIGHT	THICKNESS	MATERIALS	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	LABEL	DETAILS		SIGNAGE	REMARKS
										HEAD	JAMB		
100	PR 3'-0"	7'-0"	1 3/4"	EXISTING HM DOOR TO REMAIN	---	CLEAN & PAINT	ETR	CLEAN & REPAINT	---	---	---	---	EXIST. DOOR, FRAME & HARDWARE TO REMAIN, BE PROTECTED, CLEANED AND REFINISHED.
100A	PR 3'-0"	7'-0"	1 3/4"	EXISTING HM DOOR TO REMAIN	---	CLEAN & PAINT	ETR	CLEAN & REPAINT	---	---	---	---	EXIST. DOOR, FRAME & HARDWARE TO REMAIN, BE PROTECTED, CLEANED AND REFINISHED.
100B	PR 3'-0"	7'-0"	1 3/4"	HOLLOW METAL	A	PAINT	HM3	PAINT	---	15/A8.4	16/A8.4	---	---
101	3'-0"	7'-0"	1 3/4"	EXISTING WOOD DOOR TO REMAIN	A	CLEAN & REPAINT	ETR	CLEAN & REPAINT	---	---	---	ADMINISTRATOR	EXIST. DOOR, FRAME & HARDWARE TO REMAIN, BE PROTECTED, CLEANED AND REFINISHED.
101A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM4	PAINT	---	7/A8.4	8/A8.4	SRO	---
101B	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	IT	---
111	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	OFFICE	---
120	3'-0"	7'-0"	1 3/4"	EXISTING WOOD DOOR TO REMAIN	---	CLEAN & REPAINT	ETR	CLEAN & REPAINT	---	---	---	CONFERENCE	EXIST. DOOR, FRAME & HARDWARE TO REMAIN, BE PROTECTED, CLEANED AND REFINISHED.
121	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	MAIL ROOM	---
122	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	OFFICE	---
123	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	OFFICE	---
124	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM5	PAINT	---	13/A8.4	16/A8.4	OFFICE	---
125	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM5	PAINT	---	13/A8.4	16/A8.4	LOBBY	---
125A	3'-0"	7'-0"	1 3/4"	EXISTING WOOD DOOR TO REMAIN	---	CLEAN & REPAINT	ETR	CLEAN & REPAINT	---	---	---	STORAGE	EXIST. DOOR, FRAME & HARDWARE TO REMAIN, BE PROTECTED, CLEANED AND REFINISHED.
125B	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	OFFICE	---
125C	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	UTILITY	---
125D	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	OFFICE	---
125E	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	OFFICE	---
126	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM4	PAINT	---	13/A8.4	16/A8.4	OFFICE	---
127	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM6	PAINT	---	13/A8.4	16/A8.4	OFFICE	---
128	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM7	PAINT	---	13/A8.4	16/A8.4	OFFICE	---
130A	PR 3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	STORAGE	---
130B	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM5	PAINT	---	13/A8.4	16/A8.4	MEETING ROOM	---
130C	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	MEETING ROOM	---

DOOR #	WIDTH	HEIGHT	THICKNESS	MATERIALS	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	LABEL	DETAILS		SIGNAGE	REMARKS
										HEAD	JAMB		
228A	PR 3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	A	FACTORY	AF1	FACTORY	---	3/A8.4	2/A8.4	---	---
228B	PR 3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	A	FACTORY	AF1	FACTORY	---	3/A8.4	2/A8.4	---	---
228C	PR 3'-0"	7'-0"	1 3/4"	HOLLOW METAL	H	FACTORY	HM1	PAINT	90 MIN.	13/A8.4	14/A8.4	CAFETERIA	---
228D	PR 3'-0"	7'-0"	1 3/4"	EXISTING HM DOOR TO REMAIN	---	CLEAN & PAINT	ETR	CLEAN & REPAINT	---	---	---	---	EXIST. DOOR, FRAME & HARDWARE TO REMAIN, BE PROTECTED, CLEANED AND REFINISHED.
229A	PR 3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	A	FACTORY	AF2	FACTORY	---	3/A8.4	4/A8.4	---	---
229B	PR 3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	A	FACTORY	AF2	FACTORY	---	3/A8.4	4/A8.4	---	---
230A	PR 3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	---	---
230B	PR 3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	---	---
230C	3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	B	FACTORY	AF3	FACTORY	---	5/A8.4	6/A8.4	---	---
230D	PR 3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	A	FACTORY	AF4	FACTORY	---	1/A8.4	2/A8.4	---	---
230E	3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	A	FACTORY	AF3	FACTORY	---	1/A8.4	2/A8.4	---	---
231	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	---	---
232	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	LADIES	---
233	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	GENTLEMEN	---
234	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	---	---
235A	3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	D	FACTORY	AF3	FACTORY	---	1/A8.4	2/A8.4	---	---
235B	18'-0"	8'-0"	---	COILING DOOR	F	FACTORY	---	FACTORY	---	17/A8.4	18/A8.4	SERVING	---
235C	18'-0"	8'-0"	---	COILING DOOR	F	FACTORY	---	FACTORY	---	17/A8.4	18/A8.4	SERVING	---
235D	18'-0"	8'-0"	---	COILING DOOR	F	FACTORY	---	FACTORY	---	17/A8.4	18/A8.4	SERVING	---
235E	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	KITCHEN	---
236A	3'-0"	7'-0"	1 3/4"	ALUMINUM TRAFFIC DOOR	G	FACTORY	---	---	---	---	---	---	---
236B	3'-0"	7'-0"	1 3/4"	ALUMINUM TRAFFIC DOOR	G	FACTORY	---	---	---	---	---	---	---
236C	3'-0"	7'-0"	1 3/4"	ALUMINUM TRAFFIC DOOR	G	FACTORY	---	---	---	---	---	---	---
237A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	OFFICE	---
237B	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	OFFICE	---
238A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	DRY STORAGE	---
238B	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	DRY STORAGE	---
242A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	UNISEX	---
242B	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	UNISEX	---
242C	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	LOCKERS	---
243	3'-4"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	C	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	LAUNDRY	DOOR CLOSER W/ LATCH REQUIRED
244	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	STORAGE	---
245A	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	B	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	DISHROOM	---
245B	4'-8"	4'-0"	---	COILING SHUTTER	E	FACTORY	---	FACTORY	---	PER MANUF.	PER MANUF.	---	---
245C	3'-0"	7'-0"	1 3/4"	ALUMINUM TRAFFIC DOOR	G	FACTORY	---	---	---	---	---	---	---
245D	4'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	B	FACTORY	AF3	FACTORY	---	1/A8.4	2/A8.4	---	---
246	3'-0"	7'-0"	1 3/4"	FLUSH WOOD SOLID CORE	D	STAIN	HM1	PAINT	---	13/A8.4	14/A8.4	JANITOR	---
247	PR 3'-0"	7'-0"	1 3/4"	FIBERGLASS REINFORCED PLASTIC	D	FACTORY	AF4	FACTORY	---	1/A8.4	2/A8.4	ELECTRICAL/MECHANICAL	PANIC BAR REQUIRED

NOTE:  
 AF = ALUMINUM TUBE FRAME BY FRP DOOR MANUFACTURER  
 HM = HOLLOW METAL (STEEL)  
 ASE = ALUMINUM STOREFRONT  
 FRP = FIBERGLASS REINFORCED PLASTIC

**SIGN MOUNTING HEIGHT**

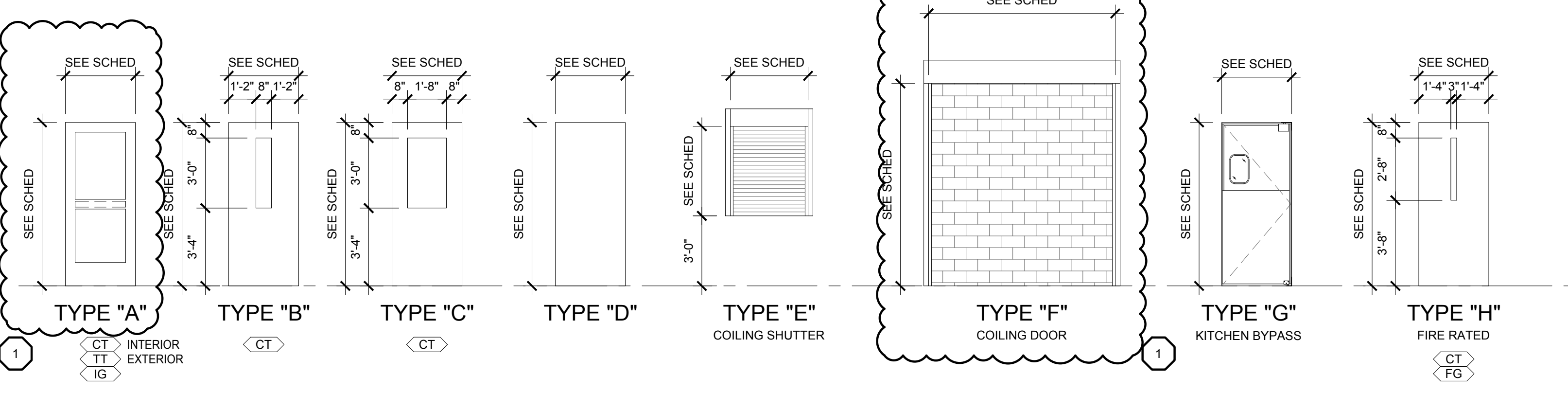
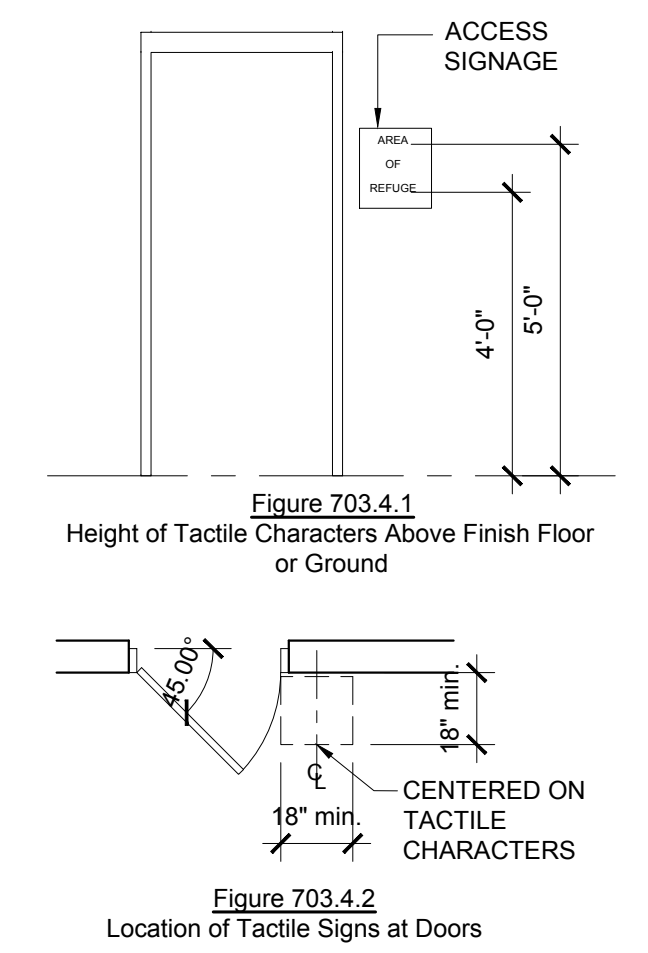
703.4.1 HEIGHT ABOVE FINISH FLOOR OF GROUND  
 TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1220 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 mm) MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE. MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.  
 EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/8 INCHES (4.8 mm) MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

**SIGNAGE NOTES:**

FURNISH INDIVIDUAL PLASTIC LAMINATE SIGNAGE SYSTEM WITH ROOM OR OCCUPANT'S NAME AND ROOM NUMBER. FINAL WORDING TO BE FURNISHED WHEN SHOP DRAWINGS FOR SIGNAGE SYSTEM ARE SUBMITTED. FURNISH INDIVIDUAL PLASTIC LAMINATE RESTROOM SIGNS FOR DOOR(S) AND HANDICAPPED ACCESS SIGN TO BE PLACED ON WALL BESIDE RESTROOM DOOR(S). SEE DIAGRAM.

**LABELLED DOOR AND FRAME NOTE:**

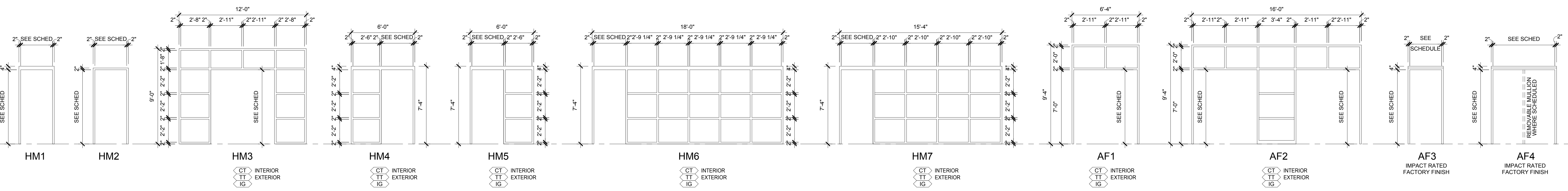
HOURLY RATING DESIGNATIONS AND / OR ALPHABETICAL LETTER DESIGNATIONS ARE GIVEN WHERE PROTECTED OPENINGS ARE REQUIRED IN RATED PARTITIONS. THESE OPENING PROTECTIVE ASSEMBLIES SHALL INCLUDE THE FRAME, DOOR, HARDWARE, CLOSING DEVICE, SILL AND ANCHORAGE. CONTRACTOR SHALL SEE THAT NO COMPONENT IS OMITTED OR SUBSTANDARD QUALITY USED SUCH THAT THE EFFECTIVENESS OF THE ENTIRE OPENING AS A FIRE OR SMOKE BARRIER MIGHT BE JEOPARDIZED. DOORS AND FRAMES SHALL BE FURNISHED WITH UNDERWRITERS LABORATORIES OR WARNDOORKEYSEY LABELS WITH APPROPRIATE FIRE RESISTANCE RATINGS FOR THE CLASS OF OPENING SCHEDULED. SUBJECT TO DOOR MANUFACTURER'S PROCEDURAL LIMITATIONS, LABELS SHOULD BEAR THE FOLLOWING NOTATION: "FIRE DOOR, TO BE EQUIPPED WITH FIRE EXIT HARDWARE"



**TYPICAL DOOR TYPES**

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

NOTE:  
 AT GLAZED OPENINGS IN WOOD DOORS, TRIM OPENINGS WITH FLAT WOOD MOLDINGS TO MATCH THE DOOR.

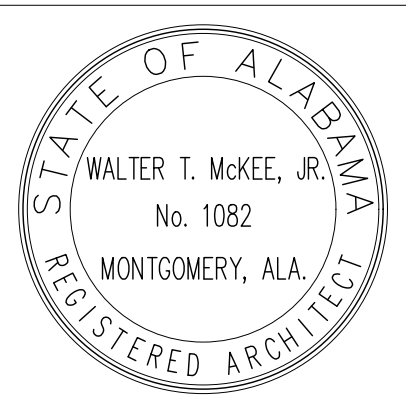


**TYPICAL FRAME TYPES**

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

GLAZING SCHEDULE	
SYMBOL	DESCRIPTION
<CA>	CLEAR ANNEALED
<CT>	CLEAR TEMPERED
<IG>	INSULATING GLASS
<TT>	TINTED TEMPERED
<FG>	FIRE GLASS

DOOR SCHEDULE AND TYPES

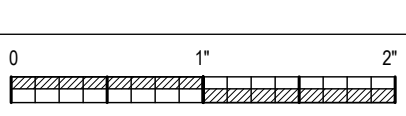


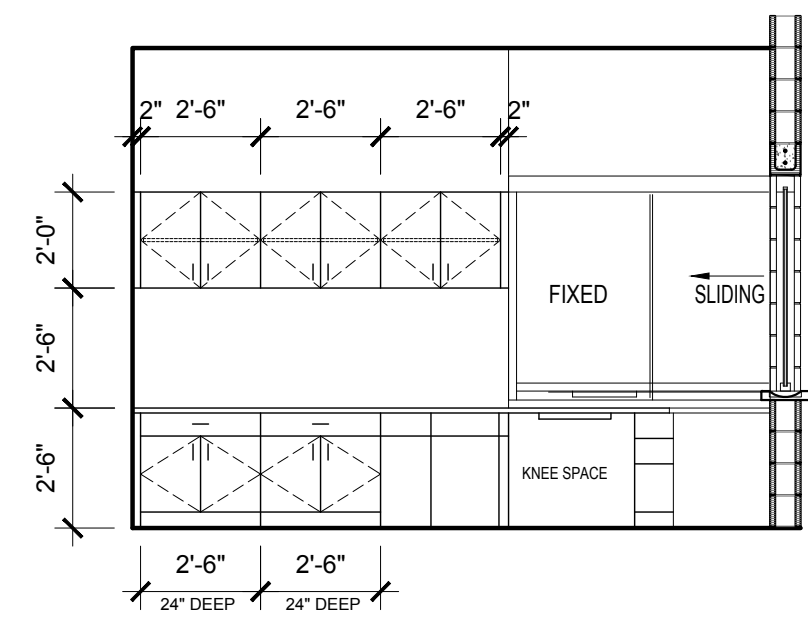
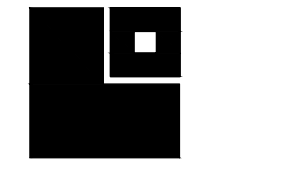
PROJ. MGR.:	VCH
DRAWN:	VCH, A.B, KDD
DATE:	03.25.2026
REVISIONS:	
1	04.08.2026

JOB NO: 25-160B

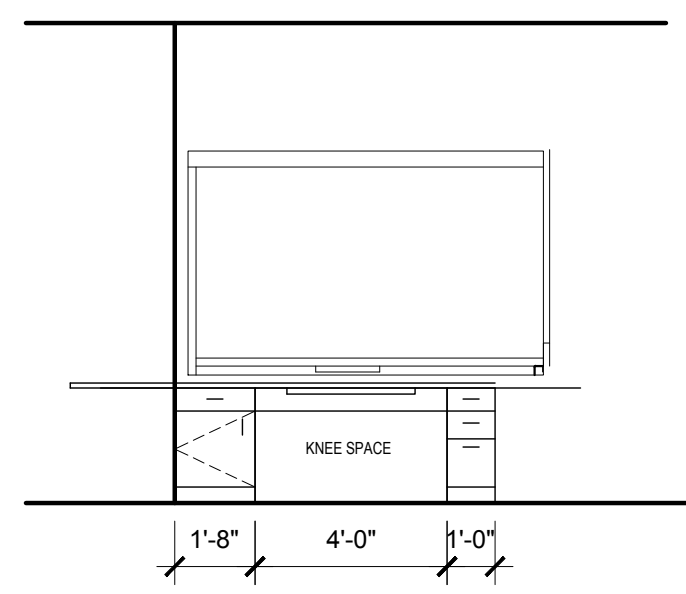
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A8.2

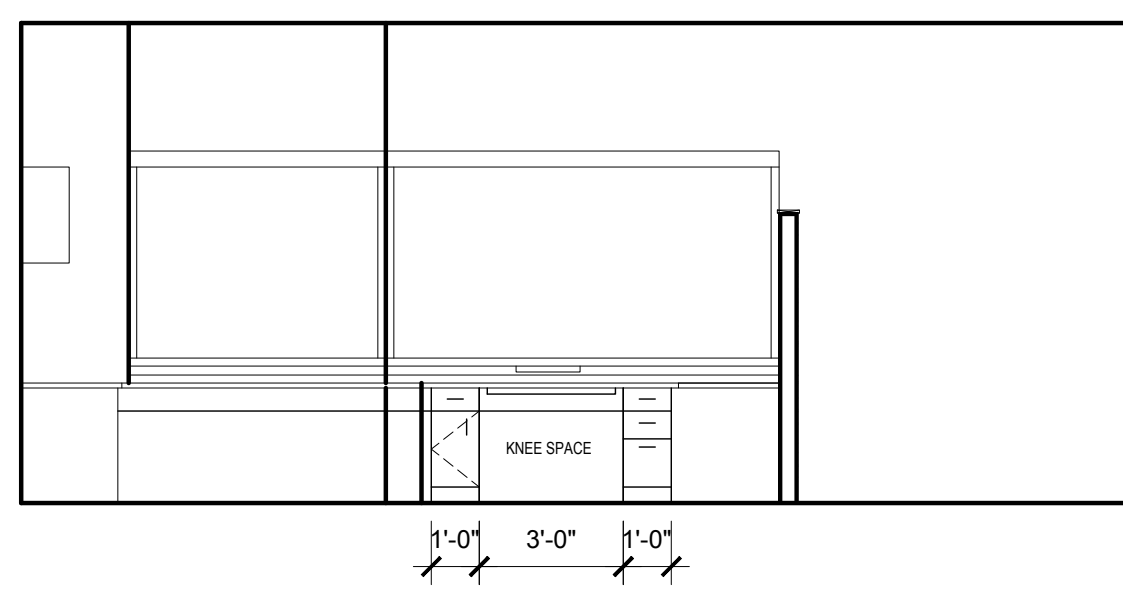




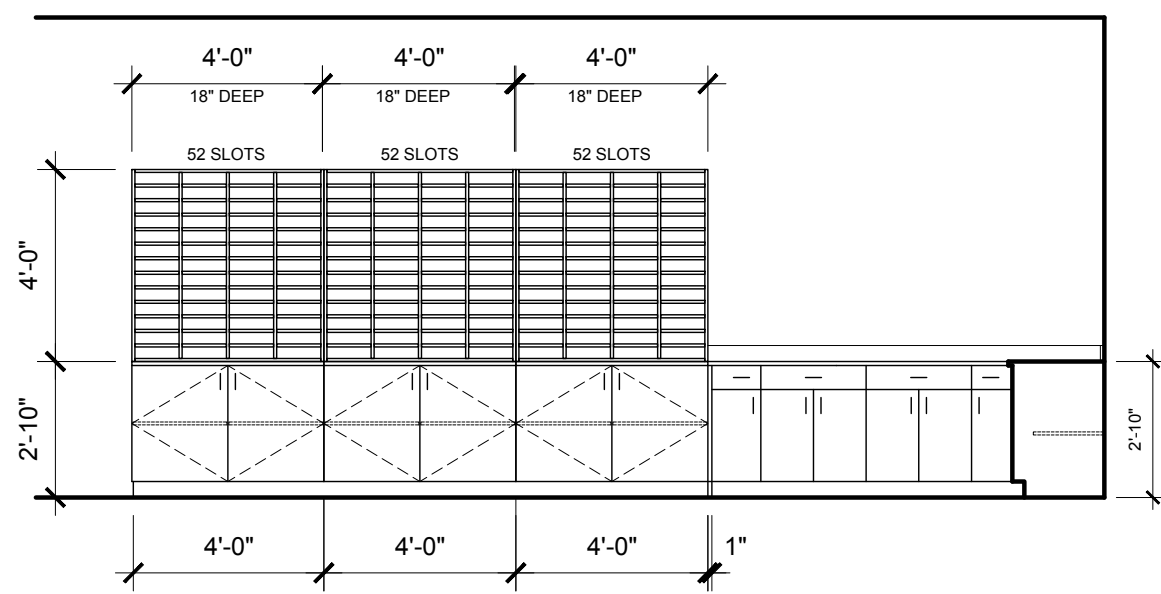
1 **PLASTIC LAMINATE CASEWORK**  
SCALE: 1/4"=1'-0"  
ADMINISTRATOR 101



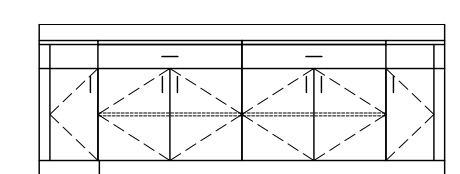
2 **PLASTIC LAMINATE CASEWORK**  
SCALE: 1/4"=1'-0"  
ADMINISTRATOR 101



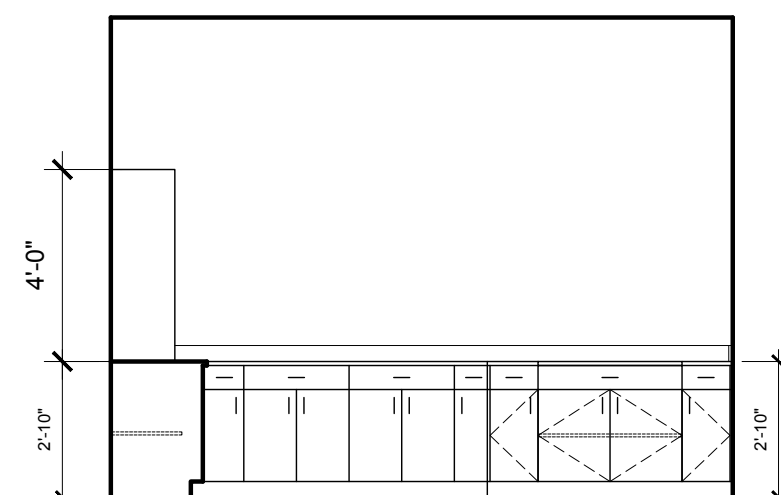
3 **PLASTIC LAMINATE CASEWORK**  
SCALE: 1/4"=1'-0"  
ADMINISTRATOR 101



5 **PLASTIC LAMINATE CASEWORK**  
SCALE: 1/4"=1'-0"  
MAILROOM 121



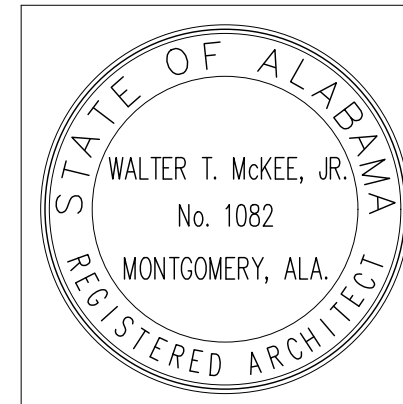
6 **PLASTIC LAMINATE CASEWORK**  
SCALE: 1/4"=1'-0"  
MAILROOM 121



7 **PLASTIC LAMINATE CASEWORK**  
SCALE: 1/4"=1'-0"  
MAILROOM 121

NOTE:  
ALL NEW COUNTERTOPS TO BE  
PLASTIC LAMINATE

SHEET TITLE: CASEWORK



PROJ. MGR.:	VCH
DRAWN:	VCH, A.J.B, K.D.D
DATE:	03.25.2026
REVISIONS:	
1	04.08.2026

JOB NO. 25-160B

SHEET NO.

A10.1

