

Addendum #1



Project: EB Frink Middle School
405 N. Charles Street
LaGrange, NC 28551
Lenior County, NC

Owner: Lenior County Schools
2017 W. Vernon Avenue
Kinston, NC 28504

Architect: Sfl+a Architects
333 Fayetteville Street, Suite 225,
Raleigh, NC 27601

CM at Risk: Metcon, Inc.
763 Comtech Drive
Pembroke, NC 28372

Date: March 5, 2024

Notice to all: The following modifications, additions, deletions, clarifications, and/or information are hereby made part of the Contract Documents and shall be fully binding. The addendum must be acknowledged as part of the Bid Form.

Item #1: RFI Deadline Change – **LAST DAY FOR RFI 04.11.2025**

Item #2: Bid From

- A. Bond amount
- B. Bond Percentage
- C. Alternate No. 06

Item #3: Bid Bond Amount

- A. In Scope:

BONDING REQUIREMENTS:

Each bidder quoting a sum greater than ~~\$100,000~~ \$300,000 (Addendum 1) shall have a 10% Bid Bond accompanying their bid as well as a Payment and Performance Bond included in their price. Additionally, all Bonds required shall be furnished per the Subcontract Agreement provided in the Bid Manual.

Item #4: Revised Scopes of Work:

- A. BP0150 – General Trades_20250305 – A1 (10 Pages)

Addendum #1



- B. BP0740 - Wall Panels_20250305 – A1 (8 Pages)
- C. BP0750 - Turnkey Roofing_20250305 – A1 (10 Pages)
- D. BP0960 - Resilient Flooring & Carpet _20250305 – A1 (9 Pages)
- E. BP0964 - Athletic Flooring _20250305 - A1 (8 Pages)
- F. BP0967 - Epoxy Flooring_20250305 – A1 (8 Pages)
- G. BP1014 - Signage_20250305 – A1 (7 Pages)
- H. BP3100 - Turkey Sitework_2025305 – A1 (10 Pages)

Item #5: Supplemental exhibit for Borrow Pit (18 Pages)

Item #6: SFL+a Addendum (39 Pages)

Item #7: RFI Log:

- A. Please see the attached RFI log as of 03/05/2025. (2 pages) * Note RFIs unanswered are coming in forthcoming addendum.

END OF ADDENDUM #1



EB Frink Middle School

BID MANUAL

BID DATE: 4/24/2025

BID TIME: 2:00PM

METCON, INC.
P.O. Box 1149
763 Comtech Drive
Pembroke, NC 28372
Tele: 910-521-8013
Fax: 910-521-8014

CMR 00 01 03 - EB Frink Middle School

JOB NAME: EB Frink Middle School

PROJECT ADDRESS: 405 N. Charles Street, LaGrange, North Carolina

PUBLISH DATE: 2/24/2025

CM@R PROJECT NUMBER: 2024038

OWNER: Lenior County Public Schools
Jeffrey Turnage
Construction Manager
2017 W. Vernon Avenue
Kinston, North Carolina 28504

ARCHITECT: SFL+a
Miyuki Keller
Project Architect
333 Fayetteville St. Ste 225
Raleigh, NC 27601

CONSTRUCTION MANAGER: Metcon
David Jackson, Project Manager II
3050 Hammond Business Place Ste 121
Raleigh, NC 27603
910.827.0103
Djackson@metconus.com

PRECON MANAGER: Metcon
Andrea Avery, Precon Manager
3050 Hammond Business Place Ste 121
Raleigh, NC 27603
912.656.1136
Aavery@metconus.com

CMR 00 01 03 - Project Statement

The name of the project is: EB Frink Middle School

The Physical address: 405 N. Charles Street, LaGrange, North Carolina

The name of the contacting body: Lenior County Public Schools

The name of the Construction Manager: Metcon, Inc.
763 Comtech Drive
Pembroke, NC 28372
(910) 521-8013

The name, phone number, and mailing address of an agent authorized by the Construction Manager to accept service of the request for payment bond, the notice of public subcontract, and the notice of claim on payment bond referenced in Subsection B of this section.

David Jackson, Project Manager II
Metcon, Inc.
763 Comtech Drive
Pembroke, NC 28372
(910)521-8013

The name and address of the principal place of business of the surety issuing the performance & payment bond required for the construction contract.

Liberty Mutual Insurance
175 Berkley Street
Boston, MA 02116

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FOR PREQUALIFIED SUBCONTRACTORS
ON THE
EB Frink Middle School

Metcon, Inc. is requesting bids from prequalified subcontractors and vendors on the Construction Bid Packages in accordance with the "Instruction to Bidders". This solicitation is for

Sealed proposals will be on **4/24/2025 no later than 2:00PM at 2017 West Vernon Avenue, Kinston, NC 28504** and immediately thereafter publicly opened via **ZOOM** (Please see instruction to bidders) and read for the furnishing of labor materials and equipment for the:

EB Frink Middle School

Lenoir County Public Schools is constructing a new middle school located on N Charles Street in La Grange, NC. The building is a single story, load-bearing masonry structure with light-gage metal roof trusses. There is a mechanical mezzanine space for mechanical equipment. The project is 96,319 square feet and is designed to be a new state-of-the-art middle school facility that includes 38 core classrooms/labs to support an innovative, student-centered learning environment. This facility will have a food service/kitchen/cafeteria, media space, gymnasium, collaborative spaces, and office spaces.

Pre-Bid Conferences

A Pre-Bid conference will be held on **3/11/2025 at 2:00PM at 2017 West Vernon Avenue, Kinston, NC 28504 via Zoom (Please see Instruction to Bidders).**

The meeting is also to identify preferred brand alternates and their performance standards that the owner will consider for approval on this project. In accordance with General Statute GS 133- 3, Specifications may list one or more preferred brands as an alternate to the base bid in limited circumstances. Specifications containing a preferred brand alternate under this section must identify the performance standards that support the preference. Performance standards for the preference must be approved in advance by the owner in an open meeting. Any alternate approved by the owner shall be approved only where (i) the preferred alternate will provide cost savings, maintain or improve the functioning of any process or system affected by the preferred item or items, or both, and (ii) a justification identifying these criteria is made available in writing to the public.

Contract Documents

Justification of any approvals will be made available to the public in writing no later than seven (7) days prior to bid date.

Complete plans, specifications and contract documents will be open for inspection in the offices of:

Metcon Headquarters
763 Comtech Drive
Pembroke, NC 28372

Metcon - Raleigh Office
3050 Hammond Business Place Ste 121
Raleigh, NC 27603

Interested parties may secure project bid documents electronically by contacting:

Tina Harris
Metcon
(910) 521-8013 ext. 145,
estimating@metconus.com

BIDS WILL BE ACCEPTED FROM PRE-QUALIFIED BIDDERS ONLY. LAST MINUTE
REQUALIFICATIONS WILL BE ACCEPTED UNTIL (7) DAYS PRIOR TO BID DATE.

Bidders may request and receive upon request the partial set of documents needed for the scope(s) that

EB Frink Middle School – Lenior County

they intend to bid. However, all Bidders are responsible for reviewing all Contract Documents which are available electronically, at the locations noted above, or for purchase. Bids shall be based upon and reference complete Contract Documents. Bids referencing partial documents or with clarifications shall be considered non-responsive.

All bidders are responsible for visiting and reviewing the Project Site and fully reflecting all conditions thereon. The site may be accessed;

Proposals will be received through the formal bid process on this project. See Section List of Bid Packages and Bid Opening Schedule.

Formal Bid Process

Sealed proposals will be received on **4/24/2025 no later than 2:00PM at 2017 West Vernon Avenue, Kinston, NC 28504**. All subcontractors are required to drop off their bid package at the bid opening location before 2:00PM OR Mailed-in bids must be received April 23, 2025 by 5:00 PM the day prior to bid to the Raleigh office only. Raleigh office mailing address: 3050 Hammond Business Place, Suite 121, Raleigh, NC 27603.

Bidders are strongly encouraged to solicit and secure bids from MWSB (Minority, Woman, and Small Businesses Enterprises). All bid forms must be submitted in the sealed envelope labeled for each bid package. Combined bids should be submitted in a separate sealed envelope.

Due to the current pandemic, Metcon will be following new guidelines for construction meetings and live broadcast bid opening via ZOOM. Please see Instructions to Bidders for ZOOM Meeting link and Dial in number as well as meeting ID.

Bid Bonds

Please refer to section CMR 00 43 13 Bid Bond Form. Bid bonds for bids ~~\$100,000.00~~ \$300,000.00 (Addendum 1) or greater will be required for all bids either in the form of a 10% bid bond or cashier's check in the amount of 10% of the bid. **See and use the Bid Bond Form provided in the bid manual or the AIA 310 Bid Bond Form is acceptable. All bond providers must be licensed to provide services in North Carolina**

Performance and Payments Bonds

Performance and Payment bond may be required above \$100,000 and will be required above \$300,000.00. Please refer to **Exhibit K** bid form section, listing your performance & payment bond amount. This amount should be included in your base bid unless otherwise specified on the Bid Form. **See and use Performance & Payment Bond Forms provided in the bid manual. All bond providers must be licensed to provide services in North Carolina. In lieu of traditional surety performance and payment bonds, the construction manager may elect to enroll qualified subcontractors into its Subcontractor Default Insurance program, provided the program is online at the time the GMP is established.**

Liquidated Damages

If any of the work is not complete within the time specified in the Contract Documents, it shall be understood and agreed that the subcontractor shall be responsible for liquidated damages per contract documents. **\$2,500.00 per day for each calendar day after Substantial Completion. \$1,250.00 per day for each calendar day after Final Completion.**

*****The Construction Manager and Owner reserve the right to reject any or all bids and to waive any irregularities in bidding. *****

Documents may be obtained for bidding purposes upon the conditions set forth in the Invitation to Bid. Prequalification is required to submit a bid to the Construction Manager. Public prequalification period has been closed. Should you wish to try and prequalify, please contact Ms. Tina Harris at 910.521.8013. Since the period has been closed, the CM will make every effort to get your firm prequalified, although no guarantees can be made.

All Bidders are responsible to review the complete set of documents. If Contractor utilizes partial sets of proposed Contract Documents, that Contractor shall assume full responsibility for any errors or omissions resulting from the use of incomplete documents.

Upon receipt of Contract Documents, Bidder shall immediately check that all documents listed in “**Exhibit C List of Contract Documents**” are available and included.

Examination of Site and Contract Documents

Before submitting a proposal, a bidder is required to carefully examine the Contract Documents, all Addenda issued prior to the opening of bids, visit the site, note existing conditions and limitations effecting their work to be performed under this Contract and include and qualify all costs for same.

Before submitting a proposal, bidder agrees that he will not make any claim for damages or additional compensation because of lack of information, or because of any misunderstanding, or because of any misinterpretation of the requirements of this Contract.

The Bidder's attention is directed to Section entitled “**Project Special Conditions**” for a listing of requirements that affect ALL BIDDERS.

Pre-Bid Conferences

On **3/11/2025** a Pre-Bid Conferences will be held at **2:00PM** for all bid packages. The purpose of the conference is for considering questions posed by potential Bidders and to encourage MWSB participation for 1st tier and 2nd tier subcontractors. It is HIGHLY recommended that all Bidders attend. **Prior to the pre-bid, the Project Manager will conduct a site walk at 10:00AM on 3/11/2025.**

The pre-bid meeting will be held in person at Lenior County School Board Meeting Room - 2017 West Vernon Avenue, Kinston, NC 28504 and via Zoom at **2:00PM**

To Join Pre-Bid Meeting:

<https://metconus.zoom.us/j/9105218013?pwd=6JIHPMZ3VkSO04568L97Cu812mzsOn.1&omn=83105090984>

Or dial in phone number: **+1 646 876 9923 US (New York)**

Meeting ID: **910 521 8013**

Passcode: **8013**

Representatives of the Project team will be available to answer questions. All questions in reference to this project must be submitted electronically to the preconstruction manager, Andrea Avery aavery@metconus.com in the form of an RFI, no later than **4/4/2025 by end of business day.**

Explanation to Subcontractor

In the event of discrepancies, omissions, or errors in the Contract Documents, or in the event of doubt on the part of a subcontractor as to their intent of meaning, the bidder shall direct, **IN WRITING** to:

Metcon, Inc., attention of:

Andrea Avery , aavery@metconus.com

Where appropriate, interpretations will be confirmed by Addenda to the bid documents to all Bidders who have been issued documents. Directions received from other parties and not confirmed via Addenda shall not be considered. Such Addenda issued during the bidding period shall be acknowledged on the Proposal Form and shall be included in the Contract at the time of award.

All addenda issued shall take precedence over the portions of the proposed Contract Documents concerned. Except in unusual circumstances, Addenda will be issued to reach the Bidder not later than **07 days prior** to the day set for receiving bid proposals. Clarifications may be issued right up to the day before the bid. Each Bidder shall acknowledge receipt of each Addendum in the space provided on the Proposal Form.

Substitutions

The attention of potential Bidders and other interested parties is called to the requirements and conditions set forth in the Specifications regarding product options and prior approval for any and all substitutions. Any approved substitution shall be announced via Addenda. Substitutions are considered any request for products and or manufacturers which are not listed as a Basis of Design in any given specification section.

Schedule

The attention of the Bidder is directed to **“Project Schedule”** and **“Project Logistics Plans”** included in the Contract Documents. The subcontractor will be required to participate in schedule reviews and compliance with all schedule requirements in the Contract. The successful bidder shall be prepared to show evidence of their firm’s capability to perform the work with adequate supervision, manpower, materials, and equipment.

Form of Contract

The successful Bidder is required to execute an Agreement between the Construction Manager and Subcontractor in accordance with Section **“Subcontract Agreement”** and **“Exhibit A through Exhibit N”** subcontract forms included as part of the Contract Documents.

After the CM has received approval from the Owner, the successful Bidder shall receive a Notice of Award. Upon receipt of the Notice of Award, the Bidder shall.

- 1) Submit all required Bonds on the forms provided in the Contract Documents.
- 2) Submit all insurance certificates as prescribed in the Contract Documents.
- 3) Execute the contract as provided.

Failure to complete these requirements within Seven (7) calendar days after Notice of Award may be considered default under the obligation of the contract and bid security, if any, may be forfeit. Failure or refusal to furnish bonds, if required, and insurance policies or certificates, schedules of values or other documents in a form satisfactory to the Construction Manager will not be considered an allowable cause for delay.

Bidder Qualifications

BIDS WILL BE ACCEPTED FROM PRE-QUALIFIED BIDDERS ONLY. PREQUALIFICATIONS WERE PUBLICALLY ADVERTISED AND DUE FOR SUBMISSION BY **November 14, 2024**. LAST MINUTE REQUESTS FOR PREQUALIFICATION WILL BE ACCEPTED UNTIL AND ARE AVAILABLE BY CALLING THE CM’S OFFICE AT 910.521.8013. No consideration will be given to Bidders’ Qualifications if adequate time for review is not available to the Construction Manager.

Formal Bid Package Procedures

For a proposal to be considered it must be in accordance with following instructions:

Proposals

Proposals must be made in accordance with the Form of Proposal provided **“CMR 00 41 00 BID Proposal Form”**, and all blank spaces for bids, alternates, and unit prices applicable to Bidder’s Scope of Work shall be properly filled in. When requested alternates are not bid, the proposal detached from specification will be considered and will have the same force and effect as if attached there to. Faxed and/or Email proposals will not be considered. Numbers shall be stated both in writing and in figures for the base bid and alternates.

The proposal shall include the following:

- a. Bid Checklist
- b. Bid Proposal Form
- c. Identification of Minority Business Participation form
- d. MBE Affidavit A (Listing of Good Faith Efforts) or Affidavit B (Intent to Perform Contract with Own Workforce)

EB Frink Middle School – Lenior County

- e. Form of Bid Bond or Cashiers Check

Any modifications to the Bid Proposal Form (including alternates and/or unit prices? May disqualify the bid and may cause the bid to be rejected.

The Bidder shall fill in the Bid Proposal Form as Follows:

- a. If the documents are executed by a sole Owner, that fact shall be evidenced by the word “Owner” appearing after the name of the person executing them.
- b. If the documents are executed by a partnership, that fact shall be evidenced by the word: Co-Partner” appearing after the name of the partner executing them.
- c. If the documents are executed on the part of a corporation, they shall be executed by either the president or the vice president and attested by the secretary or assistant secretary in either case, and the title of the office of such persons shall appear after their signature. The seal of the corporation shall be impressed on each signature page of the documents.
- d. If the proposal is made by a joint venture, it shall be executed by each member of the joint venture in the above form for sole Owner, partnership or corporation, whichever form is applicable
- e. All signatures shall be properly witnessed
- f. If the Contractor’s license of a Bidder is held by a person other than an Owner, partner or officer of a firm, then the licensee shall also sign and be party to the proposal. The title “Licensee” shall appear under his/her signature.

Proposals shall be addressed as indicated in the Notice to Bidders and shall be delivered, enclosed in an opaque sealed envelope, marked “SEALED BID, DO NOT OPEN” and bearing the project name, bid package number, name of the Bidder, address of Bidder, and the Contractor’s license number if applicable. Bidders shall clearly mark on the outside of the bid envelope which Bid Package they are bidding.

Bidder shall identify on the bid the minority businesses that will be utilized on the project with corresponding total dollar value of the bid and affidavit listing good faith efforts or an affidavit indicating Work under Contract will be self-performed, as required by NCGS 143-128.2© and NCGS 143-128.2(f). Failure to comply with these requirements is grounds for rejection of the bid. The apparent low bidder and any other Bidder so requested, will within seven (72) hours after the bid opening submit an affidavit that includes a description of the portion of Work to be executed by minority businesses, which is equal to or more than the applicable goal, or submit an affidavit documenting the Contractor’s good faith efforts to meet the goal.

It Shall be the specific responsibility of the Bidder to deliver his bid to the proper official at the selected place and prior to the announced time for the opening of bids. Late delivery of a bid for any reasons, including delivery services, shall disqualify the bid.

Submission of Proposals

HAND DELIVER and submit original proposal, sealed in an enveloped plainly marked on the outside as a bid, at bid time to:

BID AT: 2017 West Vernon Avenue, Kinston, NC 28504

BID TIME: 4/24/2025 at 2:00PM

FOR: EB Frink Middle School

2017 West Vernon Avenue, Kinston, NC 28504

The Name of the Bidder

License Number of the bidder

(Bid Package Number)

(Bid Package Name)

All subcontractors are required to drop off their bid package at the bid opening location before 2:00PM OR Mailed-in bids must be received April 23, 2024 by 5:00 PM the day prior to bid to the Raleigh office only. Raleigh office mailing address: 3050 Hammond Business Place, Suite 121, Raleigh, NC 27603.

Due to the current pandemic, Metcon will be following new guidelines for construction meetings and live broadcast bid opening via ZOOM.

Join Zoom Meeting for Bid opening:

<https://metconus.zoom.us/j/9105218013?pwd=6JIHPMZ3VkSO04568L97Cu812mzsOn.1&omn=83516842967>

OR Dial-in Phone Number: +1 646 876 9923 US (New York)

Meeting ID: 910 521 8013

Passcode: 8013

DUE TO POSSIBLE DELAYS IN US POSTAL OR DELIVERY SERVICES, IT IS HIGHLY RECOMMENDED THAT BIDS BE HAND DELIVERED, OR SENT VIA EXPRESS MAIL OR DELIVERY SERVICE WITH SUFFICIENT TIME TO GUARANTEE DELIVERY. It is solely the Bidder's responsibility to assure that the bids arrive by the date, time and location stipulated in the Invitation to Bid. **Late Bids are subject to rejection.**

Withdrawal of Proposals

The Bidder may withdraw his bid proposal, either personally or by written request, at any time prior to the time scheduled for opening of proposals. No Bidder may withdraw his proposal without the Construction Manager and Owner's consent for a **period of ninety (90) days** after the proposals have been opened, and all proposals shall be subject to acceptance by the Owner during this period.

Acceptance or Rejection of Bid Proposals

The Owner, Construction Manager, and Architect reserve the right to reject any and all bid proposals and to waive any informalities and irregularities in the bid proposals and the bidding process.

If awarded, the Subcontract will normally be awarded to the Bidder who has proposed the lowest contract sum and is the most responsible responsive bidder. However, the Owner, Construction Manager, and Architect reserve the right to award a Contract to the Bidder considered best qualified for the work and may therefore select a Bidder who has proposed other than the lowest Contract Sum. The Construction Manager may make such investigations, as they deem necessary, to determine the ability of the Bidder to perform the work and the Bidder shall furnish to the Construction Manager all such information and data for this purpose. The Construction Manager reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Construction Manager that such Bidder is properly qualified to carry out the obligations of the Subcontract. Unit Prices and Alternates are to be responsive. Non-responsive unit prices or alternate pricing will be evaluated in determining if any overall bid is non-responsive.

It is the intent of the Owner and CM to evaluate and award the work package(s) on the basis of "Base Bid" for each bid package. Alternates may be used in numerical order to determine the low bid amount. The Owner and CM may elect to exercise the right to accept any or all of the Alternates listed in the Bid Manual and Proposal Form for the various bid packages. The alternates as listed will remain open for the duration of the bid proposal. Additive alternates may be used in determining award. Any utilization of additive alternates is to be for determination only of work value if subsequently accepted and incorporated. However, the Owner, Construction Manager, and Architect also may reject any of the alternates set forth in the proposed Contract Documents.

I. SAFETY

- A. Maintaining Site Safety will be the primary goal of all construction operations. Each contractor is responsible for the environmental, health, and safety of their works, subcontractors, visitors, and suppliers at the project site in accordance with statutory requirements, and provisions of this contract document. All subcontractors are to provide a detailed safety plan for review and comment prior to commencing work. This plan shall conform to the Construction Manager's, (CM's) environmental, health, and safety goals and detail how all potentially hazardous operations will be managed to maintain a safe environment for onsite workers, surrounding university population, and the general public. CM's site-specific safety and health procedure for this project is contained in Exhibit "J".
- B. Each Subcontractor will work in compliance with all federal and state OSHA standards, as well as any Construction Manager and Owner policies.
- C. Any worker found violating a safety standard will be asked to stop and abate the hazard immediately. At this point, the worker will be issued a written warning by CM's Superintendent. In the event the same worker is found violating the same or another safety standard, the worker will be asked to leave the site for three (3) days and fines may be assessed per the project safety and health procedure manual. In the event representatives of the CM still feel that continued individual or crew safety performance is not improving, the subcontractor will be asked to replace the supervision onsite.
- D. The subcontractor and their employees must attend the weekly safety meetings presented by the CM's Superintendent. A mandatory safety orientation will take place before work begins, all employees must be present and attend. NO SUBCONTRACTOR WILL BE ALLOWED TO PERFORM WORK UNTIL MANDATORY SAFETY ORIENTATION IS COMPLETED ON-SITE AND EACH EMPLOYEE HAS RECEIVED A HARD HAT ORIENTATION DECAL THAT SHALL BE WORN AT ALL TIMES.
- E. Subcontractor shall provide a list of all sub-tier subcontractors prior to beginning work in the form of a Tier notification letter. The sub-tier subcontractor shall be made aware of all of CM's safety policies and insurance requirements and expectations prior to beginning work. All sub-tier subcontractors will be held to the above policies and shall cooperate with CM's safety supervision. In addition, MANDATORY SAFETY ORIENTATION IS TO BE COMPLETED ON-SITE AND EACH EMPLOYEE MUST RECEIVE A HARD HAT ORIENTATION DECAL THAT SHALL BE WORN AND DISPLAYED AT ALL TIMES.
- F. Subcontractor shall fully indemnify and reimburse CM against any fines or penalties issued to CM due to the failure of Subcontractor or its sub-subcontractors to perform in a safe and compliant manner.
- G. Failure to abide by CM's safety requirements will be considered a breach of the contract and can subject the Subcontractor to various disciplinary actions including, but not limited to, termination. See Termination of Subcontractor, of the Subcontract.
- H. The foregoing Contractual Safety Requirements are in addition to and not in lieu of, any requirements set out elsewhere in the contract documents.
- I. The subcontractor and subcontractors second tier subcontractors SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES. In the event that a sub-tier is on site; the subcontractor SHALL HAVE A COMPETENT PERSON ON SITE AT ALL TIMES. This competent person will have the knowledge and ability to access and enforce OSHA standards in relation the scope of the subcontractor's work.
- J. Subcontractor will ensure that all his work and jobsite practices conform to all federal, state and local environmental, health, and safety requirements. Each subcontractor is required to submit their Site-Specific Safety Submittals (Reference Exhibit "J") for review and approval prior to start of work on site. In addition, the subcontractors must attend the Safe Start meeting prior to mobilization and comply with CM's Environmental, Health, and Safety program. The Subcontractor will maintain an aggressive accident prevention program including Personal

Protective Equipment (PPE), Hazardous Communication Program, weekly toolbox meetings employee orientation and training, audits/inspections, fall protection, and proper use of tools. The “safety representative” shall conduct and document daily environmental, health, and safety audits/inspections, identify unsafe conditions or work practices, and provide appropriate corrective measures in a timely manner. Copies of the audit/inspection reports will be forwarded to CM. Any persons not conforming to strict environmental, health, and safety violations observed on the site, shall cause the offending subcontractor’s work to be halted due to serious environmental, health, or safety violations, and the Subcontract General Conditions shall be strictly enforced.

- K. All contractors and their respective subcontractors will be required to wear a Safety Site Specific Orientation Decal supplied by the Construction Manager, CM, which contains an identification number of the employee. The sticker will be placed on the hard hat and worn in plain view by the employee at all times.

II. SITE CONDITIONS

- A. Access to the site is directed by CM. Refer to the Project Logistics Plan, CMR 00 35 00 Site Logistics Plans or civil drawings for the proposed access road and construction laydown areas. Subcontractor shall not be allowed to use any other Owner property.
- B. Traffic Control and site access to an occupied, active site and its services or adjacent properties is to remain a TOP PRIORITY. All equipment, material delivery and manpower shall be managed and operated under strict control to assure no interference with public and traffic adjacent to the work site. Each Subcontractor shall be held fully responsible for coordinating and directing their personnel; equipment, and material during off peak traffic cycles. Traffic on public streets shall not be interfered or delayed. No vehicles are to exceed the site speed limit. The Subcontractor shall be held fully responsible for any damage caused by their operators. Subcontractor shall use only designated entrances to the project site as authorized and coordinated with the Construction Manager. Subcontractor to provide adequate and trained personnel for flagging traffic control as required for their material shipments. If required CM will provide or supplement these personnel with the cost to be borne by the subcontractor.
- C. Subcontractor shall be responsible for cleaning of all personnel vehicle, equipment and delivery truck tires prior to exiting the site. Subcontractors shall be responsible for cleaning of contaminated site entrances and public streets caused by the performance of their work. Subcontractor shall provide adequate dust control specifically generated in performance of their work.
- D. Subcontractor is responsible for all means of hoisting required in the performance of his work, and stocking of materials to be incorporated into the work. Special temporary measures required by Subcontractor to access the building or other portions of the site are the responsibility of the Subcontractor. Subcontractor will coordinate the location of any temporary areas made available for interim staging of materials with CM Supervision and interface with other operations as required to allow the overall prosecution of the work. Subcontractor remains responsible for his items/materials located within the project, until time of Substantial Completion. Staging areas shall be designated as construction and laydown areas on the civil drawings.
- E. Communications by construction personnel with students, university staff, or faculty personnel is prohibited and will be grounds for immediate dismissal. Supervision communications to be routed through CM & CM Superintendent.
- F. Due to limited space at the site, subcontractor is hereby notified that temporary storage of material shall be limited and strictly controlled by CM’s superintendent. Prior to making or scheduling any delivery to the site, subcontractor will coordinate such with the superintendent and make provisions for having the necessary equipment and manpower to unload and distribute his materials. Failure to abide by this shall constitute cause to send such materials back. Temporarily stored materials shall be located within the limits of areas designated as construction and laydown areas on the civil drawings.

III. GENERAL

- A. The term “provide” as used in the Bid Scope of Work descriptions shall be described as all labor, materials, and equipment necessary for a complete and functional installation.
- B. Each Subcontractor is to provide a personnel member with authority who will report directly each day to the CM’s project superintendent to discuss and coordinate schedules, manpower, safety, material handling, cleanup, etc. A daily subcontractor’s report is also required to be delivered to the job office each day. The report will include listing the number of men and describing their respective work activities for the previous day. A daily schedule update will be required at the job office each day. This on-site schedule board will be used to update everyone on the daily progress towards completion dates and milestones.
- C. Subcontractors shall have primary responsibility and liability for any damages or losses which may have incurred, specifically including but not limited to, damage or deterioration of his installed work from unidentified causes.
- D. Owner/CM shall not be held responsible for damage, loss, or vandalism of subcontractor’s tools, equipment, and materials and of in-place work until Substantial Completion of overall project.
- E. Unless specifically addressed elsewhere in this agreement, Subcontractor shall finish all hoisting required to perform its work and shall coordinate same with the CM. Subcontractor will be responsible for all unloading of materials and equipment and loading onto hoist and/or cranes. Subcontractor shall exercise due and proper care when loading and unloading materials and/or equipment and shall meet or exceed all safety requirements, including those of OSHA.
- F. Any changes of scope requiring additional cost or time from the owner must be submitted on the project Cost of Change Worksheet with all associated required information.
- G. The subcontractor shall clean up debris, scrap material and other trash resulting from their scope of work **as work progresses**. Trash and debris shall be segregated and place in receptacles provided by others. This shall include all break and lunch trash generated by the Subcontractors personnel.
- H. Mandatory attendance is required for project meetings as requested by CM Supervisory personnel.
- I. Within 7 days of Subcontract award, submit a schedule of major material delivery dates and update the dates at scheduled progress meetings.
- J. This Subcontractor will cooperate in the resolution and coordination of conflicts with other trades.
- K. Restrictions on Asbestos use: All Contractors shall certify, and shall furnish adequate manufacturer’s certification, that no new materials used in the construction of this work contain any form of asbestos. Abatement containment areas will not be breached or damaged.
- L. Any penalty assessed to the Contractor or Owner as a direct result of this Subcontractor’s work will be charged to the Subcontractor, including any OSHA safety fines that are caused by the Subcontractor or his personnel.
- M. If the Owner or Engineer assesses re-inspection costs for punch list reviews after a second inspection due to this Subcontractor’s deficiencies, that cost will be assessed to the Subcontractor.
- N. Any penalty assessed to the CM by the owner due to delays directly attributable to the Subcontractor’s work will be assessed to the Subcontractor.
- O. All areas of the project disturbed by the Subcontractor’s work shall be restored to the condition in which the area was prior to the start of that work.
- P. Subcontractor is responsible for protecting his work from damage by other trades.
- Q. Profanity or other offensive actions will not be tolerated at the project. Violators will be directed to leave the site.
- R. The Subcontractor is cautioned to protect all concrete floors from stains. After slab-on-grade installation: no eating, drinking, tobacco chewing, smoking, or mechanical lifts will be permitted

inside the building. Any damage to concrete flooring attributable to the Subcontractor's employees will be cleaned or replaced at the Subcontractor's expense.

- S. No radios or audio equipment will be permitted to be used on the project during work hours. Failure to comply will result in direction for the violator's replacement by other personnel.
- T. **Work hours other than the normal 50 hour, 5-day work week shall be expected and reviewed in advance by CM supervisory personnel to meet the project schedule. Subcontractor scopes of work that are identified on the Critical Path of the project schedule should expect a six (6) day per week, ten (10) hours per day schedule.**
- U. All Owners' facilities are off limits to construction personnel. This includes toilets, break areas, snack bars, cafeterias, vending machines, etc. Breaks are only allowed in specifically designated areas. Sanitary facilities have been provided for your use. DO NOT relieve yourself anywhere else. This will be grounds for immediate termination.
- V. Use only routes to and from construction areas as directed by the CM. Anyone outside these designated areas will be removed from the job.
- W. Do not interact or talk with the Owner's staff, except when the discussion is related to the work or in case of any emergency.

SITE RULES

- A. All construction personnel will always be required to wear HARD HATS & SAFETY VESTS bearing their company name and logo prominently during construction. **100% fall protection is required above six feet (6'), including on any lift equipment.**
- B. Proper clothing must be worn at all times (i.e. long pants, shirts with sleeves, sturdy heavy work shoes, etc.).
- C. Microwaves are prohibited on jobsites.
- D. Properly dispose of all trash generated at lunch break times.
- E. Do not whistle, shout, or cat call at the general public or Owner's employees or students.
- F. No radios, or headphones not limited to Bluetooth for phone or radio are allowed on the jobsite. Safety includes hearing protection and hearing any warnings.
- G. All Subcontractors will take measures to keep noise levels to a minimum on the construction site.
- H. Ground Fault Circuit Interrupters must be used with all receptacles that are not part of the permanent wiring. This includes the use of extension cords. All extension cords must meet OSHA regulations as prescribed in subpart "K" (SJ, SJO, SJT, SJTO, S, SO, ST, STO).
- I. Each employee must be trained on ladder safety. Stepladders must be fully extended, and employees may not sit or stand on the top or top step of any stepladder. Extension ladders must be firmly supported and secured.
- J. A-frames ladders are prohibited, platform ladders or podium ladders only.
- K. Aisles and passageways must be kept clear at all times.
- L. Each Subcontractor must provide required training for his employees (hazard communication, fall protection, forklift operator, etc.), and documentation provided.
- M. SDS must be provided to CM for all chemicals used or stored at this jobsite.
- N. All manufacturers machine guarding will be in place at all times. This includes table saws, chop saws, and grinders.
- O. Eye and face protection must be utilized with any type of abrasive grinding or cutting.
- P. All employees are expected to attend CM weekly safety meetings.
- Q. All federal, state, and local regulations must be strictly followed.
- R. All employees must be aware that the Owner's employees, visitor, and the general public in the area are not concerned with construction hazards. All areas must be constantly kept free of all hazards.

- S. CM strictly prohibits the use, possession, distribution, or influence of alcohol and all controlled substances on its premises, facilities, or work sites.
- T. Firearms are not permitted on job grounds at any time.
- U. No smoking inside building or storage areas
- V. All employees shall be provided fresh clean water at all times, with individual cups and a trash container. The common drinking cup is prohibited.
- W. CM will ask any Subcontractor with employees who do not adhere to the above regulations to remove those employees from the project. Subcontractors with repeat violations will not be invited to bid future work.
- X. **EB Frink Middle School may require additional safeguards for any cutting, welding, brazing, or any open flame work. A one (1) hour, manned, fire watch is required at the completion of any work during the workday that involves such activities.**

PROPERTY INSURANCE

- A. The Owner or the CM shall provide Builders' Risk Insurance for 100% of the contract amount. This insurance shall include the interests of the Owner, the CM and Subcontractors of all tiers and insure against perils of Fire, Lightning, Wind, Vandalism, Collapse, and Theft coverage at a minimum. When requested in writing, the CM shall provide the Subcontractor with copies of the Builders' Risk policy/policies in effect for the Project. The CM shall notify the Subcontractor if the required property insurance policies are not in effect.
- B. If the required property insurance is not in effect for the full value of the Subcontractor's work, then the Subcontractor shall purchase insurance for the value of the Subcontractor's work, and the Subcontractor shall be reimbursed for the cost of the insurance by an adjustment in the Subcontract Sum.
- C. Subcontractor's materials and equipment required for the Subcontractor's work, which are stored off site or in transit and not covered by the Project property insurance, shall be the Subcontractor's responsibility to maintain. The Subcontractor has the right to submit for payment for stored materials as prescribed in the contract.
- D. The Builders' Risk policy will have a deductible of \$10,000. In the event of loss under the policy the Owner or the CM shall pay the deductible. However, if the loss is the theft of Subcontractors' materials on site the deductible shall be allocated to each Subcontractor as the ratio each Subcontractor's loss bears to the total amount of the loss.

PLANS AND SPECIFICATIONS & REPORTING

- A. The CM will provide each subcontractor one set of electronic Contract Documents at no cost. Additional drawings as required for the performance of the subcontractor's work are available at cost.
- B. Subcontractor will provide CM with a daily report of his work activities no later than 9:00 AM of the following business day. Such report shall list the personnel and equipment subcontractor had on the project site that day, the area of the project worked on and the nature of the subcontractor's work. Such report shall also list any accidents that occurred that day (including near misses), visitors the subcontractors had on the site that day, any inspections requested or performed that day, any testing performed by the subcontractor and any quality control issues that subcontractor encountered. The daily report shall not be considered adequate notice to the CM of any delays encountered, unforeseen conditions, extra work undertaken, etc. Such items may be noted on the report, but Subcontractor shall provide CM with proper written notice of such items in accordance with the notice provisions of the Contract Documents.

ENGINEERING/LAYOUT

- A. Each Bidder must include in his proposal all costs for engineering, surveying, and field measurements, which will be required to complete his work. Two (2) intersection base lines and two (2) benchmarks along with the building corners will be provided on site prior to foundation construction. Maintenance of established baselines and benchmarks will be subcontractor's responsibility. The subcontractors will be responsible to protect and avoid the established baselines and benchmarks. Any maintenance, if required, shall be performed by the CM's surveyor and the subcontractor responsible for damage shall be responsible for all costs to re-establish the baselines and benchmarks.

SITE CLEAN-UP

- A. **Subcontractors, on a daily basis, shall clean his work areas and deposit, daily all trash and debris generated by him, into a dumpster container placed on site, which will be provided by Construction Manager.** No toxic or otherwise illegal items are to be disposed of in this dumpster. Construction Manager is responsible for servicing/unloading of the dumpster and retains the right to disallow disposal of unusually heavy or bulk items from being disposed of through this dumpster. Burning or dumping of any rubbish, debris or waste materials on the jobsite or adjoining properties is strictly prohibited. **Any subcontractor failing to abide by this article, upon twenty-four (24) hours written notice by the CM, will be back charged for all costs associated with the collection of his debris and clean-up of his areas.**

VI. RESPONSIBILITY FOR COMPLETION

- A. The Subcontractor shall furnish such manpower, materials, facilities, and equipment and shall work such hours, including night shifts, overtime operations and Sundays and Holidays, as may be necessary to insure the progress and completion of the Work in accordance with the approved and currently updated progress schedule and if it becomes apparent from the current schedule that the Work will not be completed within the Contract Time, the Subcontractor agrees that he will. As necessary, take some or all of the following actions at no additional cost to the Construction Manager or Owner, as required to eliminate the backlog of Work.
- B. Increase manpower in quantities and crafts as necessary
- C. Increase the number of working hours per shift, shifts per day, and working days per week, the amount of equipment, or any combination of the foregoing.
- D. Reschedule activities to achieve maximum practical concurrence.
- E. The Construction Manager may require the Subcontractor to submit a recovery schedule demonstrating his program and proposed plan to make up lag in scheduled progress and to ensure completion of the Work within the Contract time. If the Construction Manager finds the proposed plan not acceptable, he may require the Subcontractor to submit a new plan. If actions taken by the Subcontractor or the second plan proposed are not satisfactory, the Construction Manager may require the Subcontractor to take any of the actions set forth in the Subcontract without additional cost to the Construction Manager or the Owner, to make up the lag in scheduled progress.
- F. Failure of the Subcontractor to substantially comply with the requirements of the Subcontract may be considered grounds for a determination by the Construction Manager and the Owner, pursuant to the Subcontractor Agreement, that the Subcontractor is failing to prosecute the Work with sufficient diligence to ensure its completion within the Contract time.

VII. LIQUIDATED DAMAGES FOR DELAY

- A. The damages incurred by the Construction Manager due to the Subcontractors failure to complete the Work within required Milestone dates and the Contract Time, including any extensions thereof, shall be in the amount set forth in the Owner-Construction Manager Agreement. For each consecutive calendar day beyond the Contract Time (Sundays and all Holidays included) for which the Subcontractor shall fail to complete the Work.
- B. In the event that Liquidated Damages are assessed by the Owner against the Construction Manager, Subcontractor shall be liable for that portion of the damages attributable to Subcontractor's failure to meet completion and milestone dates. Construction Manager will provide written notice should Subcontractor delay the work.
- C. This section does not eliminate the Subcontractors responsibility to comply with the local noise ordinances and all other applicable laws, regulations, rules, resolution and permit requirement.

VIII. WAIVERS OF SUBROGATION

- A. The Contractor and Subcontractor waive all rights against each other and the Owner, the Architect, separate contractors, and all other subcontractors for loss or damage to the extent covered and paid for by Builder's Risk or any other property or equipment insurance except such rights as they may have to the proceeds of such insurance; provided, however, that such waiver shall not extend to the acts of the Architect, if any. Upon written request of the Subcontractor, the Contractor shall provide the Subcontractor with either (1) a copy of the Builder's Risk policy of insurance, (2) a Certificate of Insurance identifying coverage, or (3) any other property insurance in force for the Project and procured by the Contractor. The Subcontractor shall satisfy itself as to the existence and extent of such insurance prior to commencement of the Subcontractor's work. If the Owner or Contractor has not purchased Builder's Risk insurance for the full insurable value of the Subcontractor's work less the applicable deductible, then Subcontractor may procure such insurance as will protect the interests of the Subcontractor, its subcontractors and their subcontractors, in the work, and, by appropriate Subcontract Change Order, the cost of such additional insurance shall be reimbursed to the Subcontractor. If not covered under the Builder's Risk policy of insurance or any property or equipment insurance required by the Contract Documents, the Subcontractor shall procure and maintain at the Subcontractor's own expense property and equipment insurance for portions of the Subcontractor's work stored off the site or in transit and for Subcontractor's tools and equipment located on the site.
- B. Subcontractor waives all rights against Contractor, the Owner, the Architect, and all other subcontractors for loss or damage to the extent covered and paid for by insurance Subcontractor is required to furnish under this Agreement.

IX. REFERENCES TO CONTRACT DOCUMENTS

Subcontractor is to refer to other sections for additional supplementary General Condition Items, which are incorporated into the Subcontract Agreement

CMR 00 24 13 – List of Bid Packages

BID OPENING SCHEDULE
Thursday April 24, 2025 at 2:00 PM

- BP0150 General Trade
- BP0170 Final Cleaning
- BP0330 Turnkey Concrete
- BP0340 Hollow Core Planks
- BP0400 Turnkey Masonry
- BP0510 Structural Steel
- BP0710 Dampproofing, Waterproofing, Firestopping & Joint Protection
- BP0740 Wall Panels
- BP0750 Turnkey Roofing
- BP0810 Doors, Frames & Hardware
- BP0833 Specialty Doors (Coiling Doors & Grilles & Garage Doors)
- BP0840 Aluminum Windows - Entrance - Storefront - Curtainwall
- BP0920 Metal Framing and Gypsum Board Assemblies
- BP0930 Hard Tile
- BP0950 Acoustical Ceilings & Panels
- BP0960 Resilient Flooring
- BP0962 Athletic Flooring
- BP0966 Terrazzo Flooring
- BP0967 Epoxy Flooring
- BP0990 Painting & Coatings
- BP1011 Visual Displays
- BP1014 Signage
- BP1020 Interior Specialties
- BP1050 Storage Specialties
- BP1073 Awnings & Canopies
- BP1140 Food Service Equipment
- BP1161 Stage Equipment
- BP1166 Athletic Equipment
- BP1220 Window Treatments
- BP1230 Manufactured Casework
- BP1266 Telescoping Bleachers
- BP2100 Fire Suppression
- BP2200 Plumbing
- BP2300 Heating, Ventilating, And Air Conditioning (HVAC)
- BP2351 Geothermal System
- BP2600 Electrical & Fire Alarm
- BP3100 Turnkey Sitework
- BP3231 Fence & Gates
- BP3290 Landscaping

31 13 - Bid Opening Schedule

Time: **4/24/2025 at 2:00PM (Please refer to CMR 002413 List of Bid Packages for specific time of bid opening)**

Location: Lenior County School Board Meeting Room
2017 West Vernon Avenue, Kinston, NC 28504

Hand Delivery on Bid Day:

Andrea Avery and/or David Jackson
2017 West Vernon Avenue, Kinston, NC 28504

All subcontractors are required to drop off their bid package at the bid opening location before 2:00PM OR Mailed-in bids must be received April 23, 2024 by 5:00 PM the day prior to bid to the Raleigh office only. Raleigh office mailing address: 3050 Hammond Business Place, Suite 121, Raleigh, NC 27603.

Bid opening will be done via Zoom under new guidelines for construction meetings:

To join Bid Opening Zoom Meeting:

<https://metconus.zoom.us/j/9105218013?pwd=6JIHPMZ3VkSO04568L97Cu812mzsOn.1&omn=83516842967>

OR Dial-in Phone Number: +1 646 876 9923 US (New York)

Meeting ID: 910 521 8013

Passcode: 8013

CMR 00 31 13.33 - Project Schedule

Please see **Exhibit D Project Schedule** for activities, duration and critical path. Dates are subject to change based upon Notice to Proceed from the Owner.

The standard work week shall be five (5) days (Monday through Friday). Each workday shall be ten (10) hours per day. However, work weeks shall expand to include Saturday and/or Sunday as required to recover weather days as needed and/or meet the project schedule as determined by the Construction Manager.

The following page indicates the site logistical planning. Please note the location of the main construction entrance and construction parking. We need everyone to ensure they provide the upmost care and consideration to the surrounding buildings and students during our construction phase. All traffic and/or visitors will be required to park in the designated construction parking and report to the construction trailer before entering any gates to the sites.

Daily deliveries and work plans will be required to ensure we are maximizing all of the laydown space we have been provided.

Bid Checklist

Print Outside Sealed Envelope

- ☐ Company Name
- ☐ Project Name
- ☐ Bid Package Name and Number (i.e., BP08100 Doors and Hardware)
- ☐ Bid Enclosed

Inside Sealed Envelope

- ☐ Bid Proposal Form **(if excluded your bid will be considered nonresponsive)**
- ☐ Bid Bond or Cashier's Check if > than \$100,000.00 **(if excluded your bid will be considered nonresponsive)**
- ☐ Sign and Notarize Proposal Form **(if proposal is not signed your bid will be considered nonresponsive)**
- ☐ Acknowledge all Addendums **(if addendums are not acknowledged your bid will be considered nonresponsive)**
- ☐ No Qualification, Clarifications or Exclusion should be written on Bid Form
- ☐ Affidavit A or B **(One of the two listed affidavits MUST be included in order for your bid to be considered responsive)**
- ☐ Minority, Women, and Small Business Enterprise Identification Form **(if excluded your bid will be considered nonresponsive)**

Viewed Contract Documents

- ☐ Drawings, Project Specifications, CMR Bid Manual (Scope of Work), Addendums and Clarifications

All subcontractors are required to drop off their bid package at the bid opening location before 2:00PM **OR Mailed-in bids must be received April 23, 2024 by 5:00 PM the day prior to bid to the Raleigh office only.** Raleigh office mailing address: 3050 Hammond Business Place, Suite 121, Raleigh, NC 27603.

Please use checklist to ensure your proposal has all the required documents enclosed inside envelope. PLEASE ATTACH CHECKLIST INSIDE 9-1/2 ENVELOPE (9" X 12") SEALED ENVELOPE.

PLEASE PROVIDE INFORMATION TO CONTACT AFTER BID

Company Name: _____

Contact Name: _____

Contact Number: _____

Contact Email: _____

EB Frink Middle School

BID PACKAGE # AND TITLE: _____

BID PROPOSAL OF: _____
(Hereinafter call "BIDDER") (Name of Firm)

A(N) _____ organized and existing under the laws of the State of _____
(Corporation, Partnership or Individual)

BIDDER'S North Carolina STATE LICENSE NUMBER: _____

The bidder, in compliance with the Instruction to Bidders for the above referenced project – Bid Package, having examined the complete contract documents including plans, specifications, and addenda issued by Metcon and the Bid Manual prepared by Metcon, Construction Manager, dated **(Date)** and being familiar with the site of the proposed work, schedule requirements, and with all of the conditions surrounding the construction of the proposed project, including availability of materials and labor, hereby proposes to furnish all labor, materials, engineering, permits, fees, taxes, insurance, bonds if required, scaffolding, hoisting, tools, equipment, machinery, rentals, transportation, supervision, clean-up, and safety measures to perform all work and furnish all services necessary to provide the entire scope of work indicated in this Bid Package and Scope of Work, for the prices indicated on this Form of Proposal. These prices are to cover all expenses incurred in performing the work required for this Bid Package Scope of Work including all alternates and allowances.

The Bidder acknowledges that he/she has read and familiarized him or herself with the Minority, Woman, and Small Business Enterprise Program, and further agrees to fully incorporate and participate with this program. The Bidder has also completed and attached to this bid proposal, the required forms entitled either:

"Affidavit 1 – List of Good Faith Efforts" or "Affidavit 2 – Intent to Self-Perform"

The Bidder agrees, that if a written notice of acceptance of the bid is mailed or delivered to the undersigned within ninety (90) days after the proposal due date , to enter into a Subcontract Agreement with the Construction Manager for the bid amount indicated in the appropriate spaces on this form, which is based upon the information contained in the plans and specifications, addenda, the Bid Manual, and the Scope of Work defined in Exhibit A – Scope of Work, and including work that might be considered a part of this trade's standard scope of work, but is not specifically indicated herein. The bidder further agrees to, within seven (7) calendar days, deliver to the Construction Manager a contract properly executed, insurance certificates, and if required, a Performance and Labor & Material Payment Bond.

After Bid Proposals are received, tabulated, and evaluated by the Construction Manager, and the successful Bidder for each Bid package has been determined, said Bidder agrees to meet immediately with the Construction Manager for purposes of determining that the Bidder has included a complete scope of work in their proposal. For purposes of these meetings, the Bidder agrees to provide herein a complete, detailed cost breakdown, a list of all Sub-Subcontractors, a list of all Suppliers, a schedule of anticipated manpower, a list of all items, materials and their manufacturers proposed for use in the work as required by the Construction Manager.

EB Frink Middle School – Lenior County

The Bidder acknowledges receipt of the following Addenda issued by the Construction Manager:

Addendum No. _____ Dated: _____
Addendum No. _____ Dated: _____
Addendum No. _____ Dated: _____
Addendum No. _____ Dated: _____
Addendum No. _____ Dated: _____
Addendum No. _____ Dated: _____

BASE BID

The undersigned agrees to perform the entire Scope of Work for this Bid package, as described in the Contract Documents, Addenda, and Bid Manual. Pricing is to be provided as follows:

Item 1 - Base Bid:

_____ Dollars,

(\$ _____).

Item 2 - Performance and Payment Bonds (if not required insert N/A):

_____ Dollars,

(\$ _____).

Item 3 - (Total of Item 1 and 2):

_____ Dollars,

(\$ _____).

Show amount in both words and figures, in case of discrepancy, the amount shown in words shall govern.

All North Carolina State Sales and Use Taxes or Local Sales and Use Taxes are included in the above Base Bid and Alternates (including taxes on purchased or rental of tools and equipment). Bidder agrees that this bid will remain good and may not be withdrawn for a period of ninety (90) days after receipt date of Bid Proposal.

Alternates

All alternates must be completed with words and a dollar figure. If the base bid is not changed by the acceptance of the alternate, the words “Zero”, “No Change”, “N/A” or Not Applicable is acceptable.

Please do not leave **BLANK**.

Please see Specification 01 23 00 – Alternates and cover page of drawings for details.

ALTERNATE NO.01 – Replace LVT with Resinous Matrix Terrazzo Flooring:

Alternate No. 1A Replace LVT with Terrazzo in Lobby 100A

_____ Dollars,

(\$ _____). *circle one Add or Deduct*

Alternate No. 1B Replace LVT with Terrazzo in Corridor 200.

_____ Dollars,

(\$ _____). *circle one Add or Deduct*

Alternate No. 1C Replace LVT with Terrazzo in Corridor 300.

_____ Dollars,

(\$ _____). *circle one Add or Deduct*

Alternate No. 1D Replace LVT with Terrazzo in Corridor 400.

_____ Dollars,

(\$ _____). *circle one Add or Deduct*

Alternate No. 1E Replace LVT with Terrazzo in Corridor 500.

_____ Dollars,

(\$ _____). *circle one Add or Deduct*

Alternate No. 1F Replace LVT with Terrazzo in Dinning 112.

_____ Dollars,

(\$ _____). *circle one Add or Deduct*

ALTERNATE NO.02 – Door Hardware

Alternate No. 2A Cylinders and Keying (Owner Preferred)

_____ Dollars,
(\$ _____). *circle one Add or Deduct*

ALTERNATE NO.03 – Access Control Systems

Alternate No. 3A Access Contril Systems (Owner Preferred)

_____ Dollars,
(\$ _____). *circle one Add or Deduct*

ALTERNATE NO.04 – Intercom (Owner Preferred)

_____ Dollars,
(\$ _____). *circle one Add or Deduct*

ALTERNATE NO.05 – Heavy Duty Pavement Section

_____ Dollars,
(\$ _____). *circle one Add or Deduct*

ALTERNATE NO.06 – 100% Import Fill in leu of Onsite Borrow Pit (Addendum 1)

_____ Dollars,
(\$ _____). *circle one Add or Deduct*

UNIT PRICES & ALLOWANCES

The Bid Packages that are affected by the following Unit Prices have been identified. Provide the unit cost for the following items as it pertains to the work in this contract. Prices are to include all direct cost of the work, taxes, overhead, profit, supervision, equipment, sub-subcontracts, materials, labor, etc. Prices shall remain in effect for the entire duration of the project. Unit prices will be used as a basis for adjustment of the contract total whether work is added or deducted. A unit price must be provided in the appropriate space on the Bid Proposal Form for all unit prices corresponding to your bid package.

Lump-sum and unit prices allowances are listed below. Construction allowances, if required, are included Bid Packages for each applicable trade package.

UNIT PRICE:

Please see Specification 01 22 00 – Unit Prices for details. Please refer to bid package scopes for required quantity.

Unit Price No. 1 – Exit Sign \$ _____/Each

Unit Price No. 2 – Surface Mounted Speaker/Strobe \$ _____/Each

Unit Price No. 3 – Smoke Detector \$ _____/Each

Unit Price No. 4 – Heat Detector \$ _____/Each

Unit Price No. 5 – Fire Alarm Pull Station \$ _____/Each

Unit Price No. 6 – Two Port Data Outlet \$ _____/Each

Unit Price No. 7 – Duplex Power Outlet \$ _____/Each

Unit Price No. 8 – Sidewalk \$ _____/Square Yard

Unit Price No. 9 – Site Bollards \$ _____/Each

Unit Price No. 10 – Woven Geo-Textile Separation and Stabilization Fabric In-Place. \$ _____/Square Yard

Unit Price No. 11 – Removal of Unsuitable Soils (Bulk) \$ _____/Cubic Yard

Unit Price No. 12 – Removal of Unsuitable Soils (Trench) \$ _____/Cubis Yard

Unit Price No. 13 – Removal of Rock (Bulk) \$ _____/Cubic Yard

Unit Price No. 14 – Replacement of Removed Unsuitable Soils or Rock with Off-Site Suitable Soils In-Place.
\$ _____/Cubic Yard

Unit Price No. 15 – Replacement of Removed Unsuitable Soils or Rock with Off-Site Aggregate Base Course In-Place. \$ _____/Cubic Yard

Unit Price No. 16 – Additional Site Irrigation \$ _____/Lump Sum

Unit Price No. A – Seeding \$ _____/Acre

Unit Price No. B – Precast Install Mobilizations (ADD) \$ _____/Each

Unit Price No. C – Precast Install Mobilization (Deduct) \$ _____/Each

Unit Price No. D – EV Car Charging Station \$ _____/Each

Unit Price No. E – Additional Fire Dampers \$ _____/Each

Unit Price No. F – Additional Smoke Dampers \$ _____/Each

Unit Price No. G – Ardex Feather Finish – 10 LB Bag \$ _____/Each

Unit Price No. H – Ardex V100 Self Leveling Underlayment – 50LB Bag \$ _____/Each

Unit Price No. I – Ardex P51 Primer – 1 Gal \$ _____/Each

Unit Price No. J – Additional Emergency Light Fixture \$ _____/Each

Unit Price No. K – FRP Wall Panel Finish \$ _____/Square Foot

Unit Price No. L – Unit Masonry – BRK -1 \$ _____/1 K

Unit Price No. M – Unit Masonry – BRK -2 \$ _____/1 K

SCHEDULE

Bidder has reviewed the proposed Schedule included in the bid manual and agrees that it can achieve the schedule as shown.

CONTRACT TERMS AND CONDITIONS

Bidder has read and reviewed the terms and conditions enclosed in the contract documents including all documents enumerated in the Table of Contents of the Bid Manual and takes no exception and is prepared to enter into Subcontract with the Construction Manager.

The undersigned represents that this proposal is made in good faith, without fraud, collusion, or connection of any kind with any other bidder of the same work, that he/she is competing in his/her own interest and in his/her own behalf, without connection of obligation to an undisclosed person; that no other person has any interest in regard to all conditions pertaining to the Work and in regard to the place where it is to be done, has made his/her own examination and estimates and from them makes this proposal. The undersigned understands that the Construction Manager, Owner and Architect reserve the right to reject any and all Bid Proposals and to waive any irregularities or informalities.

SIGNATURE:

(Owner, President or Authorized Agent if Corporation)

NAME & TITLE:

EB Frink Middle School – Lenior County

_____, _____
(Print)
2nd SIGNATURE: WITNESS:

(If Partnership)

BUSINESS ADDRESS:

(Street Number & Street, PO Box)

_____, _____ (_____) - _____
(City, State, Zip, Phone)

ATTEST (if Corporation)
_____, _____
(Name) (Title)

Check One: _____ Individual _____ Partnership _____ Corporation



Affix Corporate Seal Here

CMR 00 43 13 - Bid Bond Form

Please use the attached form or AIA-310 with similar listed parties.

KNOW ALL MEN BY THESE PRESENTS THAT _____

as principal, and _____

_____ as surety, who is duly licensed to act as surety in North Carolina, are held and firmly bound unto the State of North Carolina and , and as oblige, in penal sum of: **TEN, 10% (Revised per Addendum 1)** percent of amount of bid or,

_____ DOLLARS,

lawful money of the United States of America, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

Sealed, signed and dated this _____ day of _____, 20_____.

WHEREAS, the said principal is herewith submitting proposal for and the principal desires to file this bod bond in lieu of making the cash deposit as required by G.S. 142-129.

NOW, THEREFORE, THE CONDITION OF THE ABOVE OBLIGATION is such, that if the principal shall be awarded the contract for which the bid is submitted and shall execute the contract and give bond for the faithful performance thereof within ten days after the award of the same to the principal, then this obligation shall be null and void; but if the principal fails to execute such contract and give performance bond as required by G.S.143-129, the surety shall, upon demand., forthwith pay to the oblige the amount set forth in the first paragraph hereof. Provided further, that the bid may be withdrawn as provided by G.S. 143-129.1.

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

_____ (SEAL)

**BID PACKAGE #0150
GENERAL TRADES
(SCOPE OF WORK)**

The Scope of Work shall include the furnishing of a complete **GENERAL TRADES PACKAGE**. This shall include, but is not limited to all required: labor, fabrication, engineering, submittals, shop drawings, materials, equipment, tools, supervision, hoisting, scaffolding, and transportation as required for a complete scope of work.

DESCRIPTION OF SCOPE INCLUSIONS

The following is a non-exhaustive list of inclusions and is not intended to limit the work in any way.

A. CONTRACT DOCUMENTS:

All work shall be performed in accordance with Contract Documents.

- All plans and specifications
- All scope of work requirements
- All contract requirements

B. BONDING REQUIREMENTS:

Each bidder quoting a sum greater than ~~\$100,000~~ \$300,000 (Addendum 1) shall have a 10% Bid Bond accompanying their bid as well as a Payment and Performance Bond included in their price. Additionally, all Bonds required shall be furnished per the Subcontract Agreement provided in the Bid Manual.

C. SUBMITTAL REQUIREMENTS:

Collaborative File Sharing - Subcontractor shall be responsible for the uploading of all required submittals to a file sharing program (Procore). Notifications will be sent when submittals are reviewed. It is the subcontractor's responsibility to track the approval process and proceed as directed in the submittal by the due date stated in Procore.

Samples – Descriptions of samples shall be uploaded to the site for record purposes. "Hard" samples are still required per the plans/specifications.

At the time of submittals Subcontractor shall clearly identify to the Construction's Manager and Architect's attention, **any deviations from the Contract Documents**. This Subcontractor's responsibility to the Contract Documents is not relieved by the Architect or Construction Manager's review unless there is **written acceptance of the specific deviations**. Subcontractor is responsible for submitting and expediting approval of any submittal requirements through a jurisdictional agency, if applicable.

Subcontractor is to deliver all required Reports and bid documents to Construction Manager within 14 calendar days from date of Notice of Award. NO payment shall be made to subcontractor without all subcontractors' documents submitted. Provide signed and sealed engineered shop drawings as specified by a licensed and registered Engineer.

Any required re-submittals, record submittals, and/or field drawings shall be forwarded to Construction Manager within seven (7) days of initial submittal return to Subcontractor. **Failure of this Subcontractor to submit correct or timely submittals does not relieve said Subcontractor of material delivery obligations in accordance with the Project Schedule.** Subcontractor shall allow a minimum of twenty-eight (28) calendar days of Construction Manager -Architect review duration. No material substitutions will be approved by Construction Manager unless Subcontractor can obtain Owner-Architect approval for such substitutions at no additional cost to Construction Manager and without delaying project schedule.

D. STANDARD SCOPE INCLUSIONS:

The items listed below are specifically included and are for clarification purposes only. They shall not be construed as a complete list of all work. It is the intent of this to clarify subcontract issues. If conflicts are discovered between this and the Subcontract General Terms, then the Subcontract General Terms shall govern.

1. Provide a full-time, competent, and English-speaking Superintendent onsite at all times while this subcontractor's work is being performed to coordinate the work of this project. The competent person on site must be OSHA 30 certified. Failure to provide a competent person on site will result in the CM not allowing the subcontractor to work on site.
2. Metcon intends to use GCPay which is a third party pay application service that simplifies the application for payment processes between Metcon and our subcontractors by automating the payment application process. At no cost to our subcontractors, GCPay provides an automated information exchange for lien waivers and all compliance documents. This platform saves time and improves subcontractor communication by keeping them informed throughout the process of potential issues needing immediate attention.
3. The subcontractor has reviewed specification SECTION 01 22 00 – UNIT PRICES. All required unit pricing for this scope of work has been acknowledged and included in the bid form.
4. The subcontractor has reviewed specification SECTION 01 23 00 – ALTERNATES. All required pricing for alternates for this scope of work has been acknowledged and included in the bid form. If alternates are selected, they are selected in their entirety. All documents have been fully evaluated for alternative work.
5. As required, the subcontractor shall design, provide, and engineer crane subsurface/pads in accordance with project specifications and load requirements. The subcontractor shall ensure that all crane operations are structurally sound at no additional cost to the CM.
6. Verify all substrate conditions and notify the Construction Manager twenty-one (21) days prior to the start of work of any deficiencies in substrate prohibiting the start of work under this agreement.
7. All subcontractor employees must have access to a tablet with Procore access for use on this project. This tablet shall be an iPad Pro generation 3 or newer with cellular connectivity or comparable in specs and capabilities.
8. This subcontractor will not use or allow the building's drainage systems to clean debris or dispose of waste materials. If any drainage systems are clogged or obstructed by this subcontractor's materials, this subcontractor will reimburse the Contractor for the repair cost plus a mark-up.

9. This subcontractor is responsible for requesting any additional information, instructions and/or clarifications required to complete the work. The subcontractor will request such information from the Design team in writing as a Request for information (RFI) through the file-sharing program Procore. Requests for such information shall be made in advance to avoid any delay in the work.
10. This subcontractor is responsible for receiving, unloading, inventorying, storing, and coordinating this subcontractor's work. **All deliveries, hoisting, and storage of materials will be coordinated and scheduled with CM. Any deliveries not scheduled will not be allowed on site.** Material and equipment deliveries must be coordinated "just in time." Material and equipment storage on site must not exceed five (5) workdays. Once materials and/or equipment are moved inside the building, it must be installed within five (5) workdays. This subcontractor must utilize its own equipment to unload material.
11. This subcontractor is responsible for its own traffic control/flag man for any hauling operation in or out of the project site. All traffic control personnel shall be NCDOT certified. Reference the Logistics Plan indicating the crossing and use of active public roadways.
12. This subcontractor is responsible for erecting its own scaffolding, working platforms, material handling, storage, lifting & hoisting as required to perform the work under this scope.
13. This subcontractor is responsible for all temporary safety measures to meet OSHA and Metcon's safety standards pertaining to your scope of work. See Exhibit J for more details.
14. The subcontractor has reviewed all drawings, documents, appendices, and specifications for this project and has found no obvious omissions and further agrees that the work of this agreement and the project can be constructed within the milestones and completion dates agreed upon without claims for delays or costs implications unless substantial Owner directed Scope changes occur.
15. Within **10** days of receipt of the contract, this subcontractor is required to issue a manpower count for each section/activity of their scope of work to meet the schedule requirements. Metcon will review and approve the proposed manpower counts before commencing this work. Metcon, Owner, Architect, & Consultants will constantly track the manpower for each activity to ensure compliance with the schedule and the forecasted status of the project, which will measure performance. If the subcontractor has low productivity/performance, resulting in schedule delays, this subcontractor will increase its manpower at Metcon's, Owner's, and/or Architect's request. Pay applications may be delayed until compliance has been satisfied.
16. In the event of inclement weather, this subcontractor is responsible for securing and protecting all their materials and work in place.
17. This subcontractor shall conduct pursuant to N.C. Gen. Stat. § 115C-332.1, an annual check of each of its employees, and contractual employees, consultants, agents, and other representatives on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry if such employee, subcontractor, agent, or other representative will be on the Project site or other school property as part of his or her job. The CM shall conduct this check on each of its employees, consultants, agents, and other representatives prior to permitting such employee, consultant, agent or other representative to enter the Project site or other school property to perform work under this agreement. For the Construction Manager's convenience only, all the required registry checks may be completed at no cost by accessing the United States Department of Justice Sex Offender Public Registry at <http://www.nsopw.gov>. No person shall be permitted to enter the Project site or other school property to perform work under this agreement if that person is listed on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and/or the National Sex Offender Registry.
18. This subcontractor must thoroughly examine all drawings to recognize and include elements within their area of responsibility. This subcontractor is required to review all project drawings and specs. This

subcontractor will have an opportunity to ask questions about design intent before bidding; after the bid and award of the package, the subcontractor will utilize the most stringent design. The design utilized shall be in the best interest of the Owner.

19. Parking at and around the site will be limited. Please see the Logistics Plan for more information.
20. The subcontractor shall only remove temporary construction fences, safety control devices, or sediment control devices with advanced approval from the construction manager. In the event that removal is required, the subcontractor shall reinstall it in the same condition or better.
21. This subcontractor will abide by local noise ordinances as required.
22. All non-compliance items or punch lists brought to the subcontractor's attention in Procore must be corrected and "ready for review" within 5 working days of initiation by the Construction Manager.
23. A weekly job site cleanup will occur. Each subcontractor must contribute one laborer per five onsite workers for four (4) hours, to be used at the Construction Manager's discretion.
24. All subcontractors will adhere to a work week consisting of five (5) days per week, ten (10) hour days, fifty-two (52) weeks per year, with standardized starting and quitting times 7 am to 5:30 pm regardless of external influences (such as driving distance, subcontractor's company policies, or personal preference.) No subcontractor will be allowed to work a four (4) day work week.
25. Under no circumstances is the subcontractor permitted to work without a construction manager's representative on site.
26. Protection of work in place: This subcontractor shall provide and maintain protection of all adjacent property and other subcontractor's work, materials, tools, and equipment from damage resulting from this subcontractor's activities. This subcontractor is responsible for the cost of repairing or replacing any items damaged by its employees, its lower-tier subcontractors, or its suppliers, including damage caused during stocking or hoisting.
27. In addition to any Owner site requirements, eating and drinking shall be prohibited within the building or as otherwise determined by the Construction Manager. Subcontractor violators will be removed from the project site. Smoking or other tobacco products will not be allowed on site. Anyone violating this policy will be removed from the site permanently.
28. No visitors shall be admitted to the job site by the subcontractor without first obtaining the approval of the Construction Manager and having completed the site-specific job site orientation. This subcontractor will confirm and/or provide all their visitors with the site-required personal protection equipment.
29. No photographs or videos (including drone videos) of the project may be taken without the construction manager's and owner's prior approval. All persons approved to take photographs/videos must attend training and will be provided with credentials.
30. All schedules of values shall be uploaded to GC Pay within ten (10) days of the letter of intent being awarded. All subcontractors' SOVs shall include the following standard items: mobilization, submittals, weekly composite cleanup, punch list, and project closeout. The schedule of values approval by the construction manager shall be followed before this subcontractor's first pay application. The construction manager requires a minimum of twenty (20) days to review the schedule of values.
31. Attached to the Bid manual is a sample of Metcon's standard contract. This subcontractor is required to review and accept it in its entirety.
32. Weekend work might be necessary to meet the project schedule, which must be coordinated with the Construction Manager if required. The construction manager will not allow weekend work if the

subcontractors are not already working the full number of job site hours with full crews. This means that if you are working less than Monday through Friday, 7 am -5:30 pm, the site will not be open on the weekend unless excusable inclement weather determined by the CM occurs during the week. There will be no issue with opening the site as much as necessary to facilitate subcontractors who are trying to meet the scheduled responsibilities by working the total amount of open hours.

33. Based on the scope of work, subcontractor understands that multiple mobilizations will be required to complete the work.
34. The construction manager reserves the right to add a fifteen (15) percent mark-up to all back charges that the construction manager facilitates. If back charges are resolved without the involvement of the Construction Manager, no mark-up will be applied.
35. Time and Material tickets must be approved by the Construction Manager's superintendent within 24 hours of work commencing. Invoices associated with time and material tickets must be submitted to the Construction Manager's Project Manager within thirty (30) days of work commencing. All invoices must reference a "CE number" assigned by the CM. Invoices not referencing a "CE number" will be returned and not processed.
36. Pull planning will be implemented on this project. The weekly "Plan Percent Complete Report" will be sent to the subcontractor's representative to provide tangible value to the subcontractor's progress. The subcontractor is required to use the pull planning process to identify all constraints that may impede their progress. Constraints not identified and documented within a reasonable time for rectification will not be considered valid reasons for schedule adjustments. The subcontractor is expected to follow the Pull Plan Schedule, which should enhance and supersede the contract schedule.
37. For the Submittal of pay applications, subcontractor is required to use GC Pay at no cost to the subcontractor.
38. All required site safety documentation must be submitted in Procore 30 days after issuing the letter of intent. This is to include the following:
 - a. Executed the Partnership Form for the subcontractor safety and health incident prevention program.
 - b. Subcontractors' specific site job hazard analysis (JHA), detailing your scope of work, the hazards associated with each task, and how they will be abated.
 - c. Trades whose work scope includes steel erection, pre-cast, demo, and roofing shall provide a written site safety plan.
 - d. Provide OSHA 300 & 300A logs for the last three years.
 - e. A written hazard communication program safety data sheet (SDS)
 - f. A written safety plan for the revised silica dust respiratory plan (if applicable) is needed.
 - g. A written ground fault protection program.
 - h. Exhibit J3 returned with pages initialed.
 - i. All site-specific personnel documentation will be required to be submitted two weeks before this scope of work begins.
 - j. Failure to comply with this documentation will result in a delayed start in this subcontractor's mobilization. This may include withholding mobilization costs in pay applications until this subcontractor complies. No additional cost or time will be considered due to any acceleration required.

39. Survey points will be provided for general locational purposes. These will not be given in every single room. To complete this work scope, each subcontractor must transfer the general area survey points accurately as needed. The location of these general survey points is at the discretion of the Construction Manager.
40. The construction manager has the authority to recommend withholding pay applications from any subcontractor due to poor work quality. If this situation arises, the subcontractor will be notified in writing (72 hours' notice) that their work quality is unsatisfactory and requires remediation. The subcontractor must then submit a written remediation plan detailing how they will improve the quality of their work. Once the plan has been implemented and the work quality has been improved, the subcontractor may resubmit their pay application for the owner's approval. Any active unresolved 72-hour notices may result in the CM withholding the pay application for this subcontractor.
41. The subcontractor is required to utilize a robotic total station (similar to that offered by Hilti, Trimble, or Leica) for layout, backchecking, verification before installation, and documenting as-built conditions.
 - a. The construction manager can provide equipment and a robotic total station operator for \$175/hr with at least 48hr notice. A competent layout representative from this subcontractor must accompany the layout crew.
 - b. Failure to use the robotic total station will result in a stop work order with no added time to the schedule until the subcontractor complies. No added cost associated with acceleration will be accepted.
 - c. This subcontractor shall be solely responsible for the correct layout, which cannot be delegated or assigned.
42. Please see the table below for all required meetings.
 - a. Without exception, this Subcontractor's Project Manager and/or Superintendent must attend the weekly coordination/subcontractor meetings in person two weeks before starting work and while performing the scope of work.
 - b. This subcontractor is required to participate in pull planning sessions actively. These sessions are in-person and onsite, with no exceptions. These will occur bi-weekly at the discretion of the CM. Each day, the progress will be reviewed in the "Daily Forman's Huddle".
 - c. Failure to have the proper representative at any onsite meeting will constitute a safety violation of "competent person not on site.". Refer to Exhibit J for more information.

Meeting Titles	Frequency	Required Attendees	Location
Pre-Install	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Safe Start	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Daily Foreman Huddle	Daily	Superintendent & Foreman/Competent Person	On Site - CM Trailer
Weekly Subcontractor Coordination	Weekly	Superintendent & Project Manager	On Site - CM Trailer
Pull Plan Initial Set-Up	As required	Superintendent & Project Manager	Remote / On Site
Pull Plan Updates	Bi-Weekly	Superintendent & Project Manager	On Site - CM Trailer
Jobsite Safety Standdown	Weekly	Everyone on site	On Site - CM Trailer
BIM Coordination	Weekly	MEP Trades BIM Managers	Remote

E. SCOPE OF WORK SPECIFICATIONS

The following outlines the scope of work specifications sections relevant to the work to be performed. This list represents the core specifications that will guide the tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional specifications and related sections that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. SECTION 01 50 00 - TEMPORARY FACILITIES AND CONTROLS

F. PROJECT SPECIFIC SCOPE REQUIREMENTS:

The following outlines the project-specific scope requirements of the work to be performed. This list represents the core tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional tasks and responsibilities that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. Provide one full-time supervisor for the duration of job site hours. Required to be:
 - a. Certified forklift operator.
 - b. Required for ~~24 months~~ 18 months (Addendum 1)
 - c. OSHA 30 Certified and considered the general trades competent person.
 - d. English speaking.
 - e. This supervisor should be separate and apart from all other labor hours.
 - f. This supervisor will track this trade's manpower hours as described below in Scope Requirement 2.b.iii.
2. Personnel Utilization Manhour pool:
 - a. ~~5 unskilled workers for 24 months, 5 days a week, 10 hours a day.~~ 2 unskilled workers for 18 months, 5 days a week, 8 hours a day. To be used at the discretion of the CM, not for specific tasks called out below. (Addendum 1)
 - i. Weekly Cleaning of jobsite office trailer (Addendum 1)
 - b. 2 skilled workers for 18 months, 5 days a week, ~~10 hours a day~~ 8 hours a day. To be used at the discretion of the CM, not for specific tasks called out below. (Addendum 1)
 - i. The subcontractor shall provide personnel to be utilized at the Construction Manager's sole discretion.
 - ii. Upon award, a schedule of values and rates must be provided for cost tracking and the valuation of any potential ADD or DEDUCT Change Orders.
 - iii. Provide the CM with a biweekly report tracking manpower usage as agreed upon in this contract. This manpower tracking should be correlated weekly between the subcontractor and the CM.
3. Machinery and Equipment:
 - a. Duration of Project (Addendum 1)
 - i. Provide all fuel and maintenance necessary.
 - ii. Forklift – ~~18 months~~ 16 months, all-terrain, capable of booming out and reaching a minimum of 135' (Addendum 1)
 - iii. Scissor lift – ~~18 months~~ 12 months, all-terrain, capable of lifting over 2 stories. (Addendum 1)
 - iv. Street Cleaner – ~~12 months~~ 8 months (Addendum 1)
 - v. Equipment allowance of ~~\$50,000~~ \$20,000 (Addendum 1)

- b. **Turn Over to the School District (Addendum 1)**
 - i. **Lawn Mower (Riding) – ~~24 months~~**. To be purchased, used and maintained during construction and turned over to the School District at the conclusion of the project. Toro 54 in. 726 cc Hydrostatic Gas Zero Turn Riding Mower Mfr # 77503
<https://www.acehardware.com/departments/lawn-and-garden/lawn-mowers/riding-mowers/7038003>
 (Addendum 1)
 - ii. **Weed Trimmer – ~~24 months~~**. To be purchased, used and maintained during construction and turned over to the School District at the conclusion of the project. STIHL FS 131 R 16.5 in. Gas Brushcutter
 Mfr # 41802000511US
<https://www.acehardware.com/departments/lawn-and-garden/outdoor-power-equipment/trimmers-and-edgers/7000379>
 (Addendum 1)
 - iii. **Pressure Washer (1) – ~~24 months~~**. To be purchased, used and maintained during construction and turned over to the School District at the conclusion of the project.. STIHL RB 200 2500 psi Gas 2.3 gpm Pressure Washer
 Mfr # 47890124600US
<https://www.acehardware.com/departments/lawn-and-garden/outdoor-power-equipment/pressure-washers/8024265>
 (Addendum 1)
 - iv. **Side-by-Side – To be purchased, used and maintained during construction and turned over to the School District at the conclusion of the project.**
Massimo T-BOSS 1000 Side by Side UTV
Massimo T-BOSS 1000 Side by Side UTV at Tractor Supply Co
 (Addendum 1)
4. **Cleaning Equipment and Materials:**
- a. Provide all required cleaning equipment and materials, including push brooms, sweeping compound, pressure washer, squeegees, rakes, trash bags, flat dirt shovels, wet/dry shop vacs, etc. Provide enough hand tools to accommodate the number of workers using them.
5. **Temporary Toilets:**
- ⌘ Provide and maintain enough temporary toilets to service the entire site and workforce. At peak times, estimated to have 200 plus workforce.
6. **Grass Cutting:**
- a. Perform grass cutting biweekly or as directed by CM. This work is separate from the general labor hour pool.
7. **Trash Containers:**
- a. Provide and maintain 20 each 55-gallon trash containers with covers, to be located throughout the building and site as directed by CM. Containers to be emptied daily into a construction dumpster.
8. **Trash Hoppers:**
- a. Provide ~~4 trash hoppers~~ **1 trash hopper** with forklift lifting capabilities, to be emptied twice a week to allow easy maneuvering of trash from the building to the dumpsters. (Addendum 1)

9. Dust Control:

- a. Provide dust control while sweeping using wax-based dust-down material. Use dust-down material when sweeping any floor surface within the building's inside perimeter. Provide sweeping compound, wax-based green, delivered bi-weekly upon request.

10. Allowance for Miscellaneous Materials:

- a. Include an allowance of \$25,000 for the purchase of miscellaneous materials and supplies as directed by the Construction Manager. This allowance is for purchase only as requested by the GC. All savings will be deducted as a change order back to the Construction Manager at the end of the project.

11. Fire Extinguishers:

- a. Provide and maintain fire extinguishers and stands to meet OSHA and Metcon's minimum safety requirements for the project's duration. Refer to the Safety Manual for further information.

12. Temporary Facilities and Controls:

- a. Reference specifications 01 50 00 - Temporary Facilities and Controls for Section 1.5.F.

13. Dumpsters:

- a. Provide and manage ~~three (3) 30-yard~~ one (1) 30-yard dumpsters for the entire project duration. All manifests and/or dump tickets must be provided to the CM (Project Manager) by the last business day of the month to deduct from the reimbursable dumpster allowance in this scope. Dumpsters must be provided for a minimum of ~~24 months~~ 18 months. If dump tickets are not provided to CM by the end of each month, the subcontractor will not be reimbursed. (Addendum 1)

14. Allowance for Dump Ticket Fees:

- a. Include a scope allowance of ~~\$120,000~~ \$100,000 for dump ticket fees. All savings will be deducted as a change order back to the Construction Manager at the end of the project. (Addendum 1)

15. Conex Containers:

- a. Provide ~~two~~ one (1) 40' high cube Conex containers as directed by the Construction Manager. The total of 48 units (1 Conex for 1 month) will be used at the CM's discretion. All savings will be deducted as a change order back to the Construction Manager at the end of the project. (Addendum 1)

16. Job-Built Ladders:

- a. Include two job-built ladders to facilitate two-way vertical traffic, or four fiberglass ladders per floor with walk-through rails. Also, provide handline ropes for material hoisting on every ladder. This work and materials are separate from the general labor hour pool and allowance.

~~17. Material Load-In Bays:~~

- ~~a. Construct one material load-in bay on the mezzanine floor, 20'x15' with removable rails at each corral. Provide two retractable lifelines and appropriate anchor points to be used by all trades at load-in bay. This work and materials are separate from the general labor hour pool and allowance. Removed from scope of work. (Addendum 1)~~

18. Extension Cord Trees:

- a. Provide 40 seven-foot-tall extension cord trees. This work and materials are separate from the general labor hour pool and allowance.

~~19. Temporary Handrails:~~

- ~~a. Provide and maintain an interior and exterior second floor perimeter temporary handrail, mid-rail, and toe board that is OSHA and Metcon approved. Include a LF unit price and labor hour time for any additional areas the CM may add. Removed from scope of work. (Addendum 1)~~

20. Snow Fence:

- a. Provide and maintain a snow fence for “Contractor temporary parking” and “Overflow/laydown area.” See the site logistics plan for locations. Reference the current condition for the size of the area.

21. Wellness Station Shelter Carport (Addendum 1)

- a. Provide and install (1) carport. This work and materials are separate from the general labor hour pool and allowance.

BUILDING INFO		SIZE	COLOR	ANCHORING & RATING	
ROOF STYLE	Regular Style	20' X 25' X 8' WIDTH X FRAME LENGTH X HEIGHT	ROOF	White	INSTALLATION SURFACE
BUILDING TYPE	3D Builder		SIDES/ENDS	White	GROUND ANCHOR
FRAMING GAUGE	<input checked="" type="checkbox"/> 14 GA. <input type="checkbox"/> 12 GA.		TRIM	White	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
					WIND/SNOW RATING
					140MPH / 35PSF
DESCRIPTION		QTY			
Style: Standard Carport					
Base Price: 20'x25'		1			
Engineer Certified: 140MPH / 35PSF		1			
Leg Height: 8'		1			
Sides: 3' Panel (Horizontal)		2			
Ends: Gable End (Horizontal)		2			

(Addendum 1)

- b. Provide (4) wood picnic table
 Style Selections 72-in Brown Southern Yellow Pine Rectangle Picnic Table
 Item #114358 Model #116810
<https://www.lowes.com/pd/72-in-Brown-Southern-Yellow-Pine-Rectangle-Picnic-Table/3620364>
 (Addendum 1)

G. DESCRIPTION OF SCOPE EXCLUSIONS

The following is a complete and exhaustive list of exclusions from the Scope of Work:

1. NONE

BID PACKAGE #0740
Wall Panels
(SCOPE OF WORK)

The Scope of Work shall include the furnishing of a complete **WALL PANELS PACKAGE**. This shall include, but is not limited to all required: labor, fabrication, engineering, submittals, shop drawings, materials, equipment, tools, supervision, hoisting, scaffolding, and transportation as required for a complete scope of work.

DESCRIPTION OF SCOPE INCLUSIONS

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D. STANDARD SCOPE INCLUSIONS:

The items listed below are specifically included and are for clarification purposes only. They shall not be construed as a complete list of all work. It is the intent of this to clarify subcontract issues. If conflicts are discovered between this and the Subcontract General Terms, then the Subcontract General Terms shall govern.

1. Provide a full-time, competent, and English-speaking Superintendent onsite at all times while this subcontractor's work is being performed to coordinate the work of this project. The competent person on site must be OSHA 30 certified. Failure to provide a competent person on site will result in the CM not allowing the subcontractor to work on site.
2. Metcon intends to use GCPay which is a third party pay application service that simplifies the application for payment processes between Metcon and our subcontractors by automating the payment application process. At no cost to our subcontractors, GCPay provides an automated information exchange for lien waivers and all compliance documents. This platform saves time and improves subcontractor communication by keeping them informed throughout the process of potential issues needing immediate attention.
3. The subcontractor has reviewed specification SECTION 01 22 00 – UNIT PRICES. All required unit pricing for this scope of work has been acknowledged and included in the bid form.
4. The subcontractor has reviewed specification SECTION 01 23 00 – ALTERNATES. All required pricing for alternates for this scope of work has been acknowledged and included in the bid form. If alternates are selected, they are selected in their entirety. All documents have been fully evaluated for alternative work.
5. As required, the subcontractor shall design, provide, and engineer crane subsurface/pads in accordance with project specifications and load requirements. The subcontractor shall ensure that all crane operations are structurally sound at no additional cost to the CM.
6. Verify all substrate conditions and notify the Construction Manager twenty-one (21) days prior to the start of work of any deficiencies in substrate prohibiting the start of work under this agreement.
7. All subcontractor employees must have access to a tablet with Procore access for use on this project. This tablet shall be an iPad Pro generation 3 or newer with cellular connectivity or comparable in specs and capabilities.
8. This subcontractor will not use or allow the building's drainage systems to clean debris or dispose of waste materials. If any drainage systems are clogged or obstructed by this subcontractor's materials, this subcontractor will reimburse the Contractor for the repair cost plus a mark-up.

9. This subcontractor is responsible for requesting any additional information, instructions and/or clarifications required to complete the work. The subcontractor will request such information from the Design team in writing as a Request for information (RFI) through the file-sharing program Procore. Requests for such information shall be made in advance to avoid any delay in the work.
10. This subcontractor is responsible for receiving, unloading, inventorying, storing, and coordinating this subcontractor's work. **All deliveries, hoisting, and storage of materials will be coordinated and scheduled with CM. Any deliveries not scheduled will not be allowed on site.** Material and equipment deliveries must be coordinated "just in time." Material and equipment storage on site must not exceed five (5) workdays. Once materials and/or equipment are moved inside the building, it must be installed within five (5) workdays. This subcontractor must utilize its own equipment to unload material.
11. This subcontractor is responsible for its own traffic control/flag man for any hauling operation in or out of the project site. All traffic control personnel shall be NCDOT certified. Reference the Logistics Plan indicating the crossing and use of active public roadways.
12. This subcontractor is responsible for erecting its own scaffolding, working platforms, material handling, storage, lifting & hoisting as required to perform the work under this scope.
13. This subcontractor is responsible for maintaining streets and parking lots in clean condition for their scope of work.
14. This subcontractor is responsible for all temporary safety measures to meet OSHA and Metcon's safety standards pertaining to your scope of work. See Exhibit J for more details.
15. The subcontractor has reviewed all drawings, documents, appendices, and specifications for this project and has found no obvious omissions and further agrees that the work of this agreement and the project can be constructed within the milestones and completion dates agreed upon without claims for delays or costs implications unless substantial Owner directed Scope changes occur.
16. Within **10** days of receipt of the contract, this subcontractor is required to issue a manpower count for each section/activity of their scope of work to meet the schedule requirements. Metcon will review and approve the proposed manpower counts before commencing this work. Metcon, Owner, Architect, & Consultants will constantly track the manpower for each activity to ensure compliance with the schedule and the forecasted status of the project, which will measure performance. If the subcontractor has low productivity/performance, resulting in schedule delays, this subcontractor will increase its manpower at Metcon's, Owner's, and/or Architect's request. Pay applications may be delayed until compliance has been satisfied.
17. In the event of inclement weather, this subcontractor is responsible for securing and protecting all their materials and work in place.
18. This subcontractor shall conduct pursuant to N.C. Gen. Stat. § 115C-332.1, an annual check of each of its employees, and contractual employees, consultants, agents, and other representatives on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry if such employee, subcontractor, agent, or other representative will be on the Project site or other school property as part of his or her job. The CM shall conduct this check on each of its employees, consultants, agents, and other representatives prior to permitting such employee, consultant, agent or other representative to enter the Project site or other school property to perform work under this agreement. For the Construction Manager's convenience only, all the required registry checks may be completed at no cost by accessing the United States Department of Justice Sex Offender Public Registry at <http://www.nsopw.gov>. No person shall be permitted to enter the Project site or other school property to perform work under this agreement if that person is listed on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and/or the National Sex Offender Registry.

19. This subcontractor must thoroughly examine all drawings to recognize and include elements within their area of responsibility. This subcontractor is required to review all project drawings and specs. This subcontractor will have an opportunity to ask questions about design intent before bidding; after the bid and award of the package, the subcontractor will utilize the most stringent design. The design utilized shall be in the best interest of the Owner.
20. Parking at and around the site will be limited. Please see the Logistics Plan for more information.
21. The subcontractor shall only remove temporary construction fences, safety control devices, or sediment control devices with advanced approval from the construction manager. In the event that removal is required, the subcontractor shall reinstall it in the same condition or better.
22. This subcontractor will abide by local noise ordinances as required.
23. All non-compliance items or punch lists brought to the subcontractor's attention in Procore must be corrected and "ready for review" within 5 working days of initiation by the Construction Manager.
24. A weekly job site cleanup will occur. Each subcontractor must contribute one laborer per five onsite workers for four (4) hours, to be used at the Construction Manager's discretion.
25. All subcontractors will adhere to a work week consisting of five (5) days per week, ten (10) hour days, fifty-two (52) weeks per year, with standardized starting and quitting timed 7 am to 5:30 pm regardless of external influences (such as driving distance, subcontractor's company policies, or personal preference.) No subcontractor will be allowed to work a four (4) day work week.
26. Under no circumstances is the subcontractor permitted to work without a construction manager's representative on site.
27. Protection of work in place: This subcontractor shall provide and maintain protection of all adjacent property and other subcontractor's work, materials, tools, and equipment from damage resulting from this subcontractor's activities. This subcontractor is responsible for the cost of repairing or replacing any items damaged by its employees, its lower-tier subcontractors, or its suppliers, including damage caused during stocking or hoisting.
28. In addition to any Owner site requirements, eating and drinking shall be prohibited within the building or as otherwise determined by the Construction Manager. Subcontractor violators will be removed from the project site. Smoking or other tobacco products will not be allowed on site. Anyone violating this policy will be removed from the site permanently.
29. No visitors shall be admitted to the job site by the subcontractor without first obtaining the approval of the Construction Manager and having completed the site-specific job site orientation. This subcontractor will confirm and/or provide all their visitors with the site-required personal protection equipment.
30. No photographs or videos (including drone videos) of the project may be taken without the construction manager's and owner's prior approval. All persons approved to take photographs/videos must attend training and will be provided with credentials.
31. All schedule of values shall be uploaded to GC Pay within ten (10) days of the letter of intent being awarded. All subcontractors' SOVs shall include the following standard items: mobilization, submittals, weekly composite cleanup, punch list, and project closeout. Material and labor shall be broken out as separate lines and further broken out to match the unit/phasing established in the project schedule. Schedule of values must be approved by Construction Manager prior to this subcontractor's first pay application. Construction manager requires a minimum of twenty (20) days to review the Schedule of Values.
32. Attached to the Bid manual is a sample of Metcon's standard contract. This subcontractor is required to review and accept it in its entirety.

33. Weekend work might be necessary to meet the project schedule, which must be coordinated with the Construction Manager if required. The construction manager will not allow weekend work if the subcontractors are not already working the full number of job site hours with full crews. This means that if you are working less than Monday through Friday, 7 am -5:30 pm, the site will not be open on the weekend unless excusable inclement weather determined by the CM occurs during the week. There will be no issue with opening the site as much as necessary to facilitate subcontractors who are trying to meet the scheduled responsibilities by working the total amount of open hours.
34. Based on the scope of work, subcontractor understands that multiple mobilizations will be required to complete the work.
35. The construction manager reserves the right to add a fifteen (15) percent mark-up to all back charges that the construction manager facilitates. If back charges are resolved without the involvement of the Construction Manager, no mark-up will be applied.
36. Time and Material tickets must be approved by the Construction Manager's superintendent within 24 hours of work commencing. Invoices associated with time and material tickets must be submitted to the Construction Manager's Project Manager within thirty (30) days of work commencing. All invoices must reference a "CE number" assigned by the CM. Invoices not referencing a "CE number" will be returned and not processed.
37. Pull planning will be implemented on this project. The weekly "Plan Percent Complete Report" will be sent to the subcontractor's representative to provide tangible value to the subcontractor's progress. The subcontractor is required to use the pull planning process to identify all constraints that may impede their progress. Constraints not identified and documented within a reasonable time for rectification will not be considered valid reasons for schedule adjustments. The subcontractor is expected to follow the Pull Plan Schedule, which should enhance and supersede the contract schedule.
38. For the Submittal of pay applications, subcontractor is required to use GC Pay at no cost to the subcontractor.
39. All required site safety documentation must be submitted in Procore 30 days after issuing the letter of intent. This is to include the following:
 - a. Executed the Partnership Form for the subcontractor safety and health incident prevention program.
 - b. Subcontractors' specific site job hazard analysis (JHA), detailing your scope of work, the hazards associated with each task, and how they will be abated.
 - c. Trades whose work scope includes steel erection, pre-cast, demo, and roofing shall provide a written site safety plan.
 - d. Provide OSHA 300 & 300A logs for the last three years.
 - e. A written hazard communication program safety data sheet (SDS)
 - f. A written safety plan for the revised silica dust respiratory plan (if applicable) is needed.
 - g. A written ground fault protection program.
 - h. Exhibit J returned with pages initialed.
 - i. All site-specific personnel documentation will be required to be submitted two weeks before this scope of work begins.
 - j. Failure to comply with this documentation will result in a delayed start in this subcontractor's mobilization. This may include withholding mobilization costs in pay applications until this

subcontractor complies. No additional cost or time will be considered due to any acceleration required.

40. Survey points will be provided for general locational purposes. These will not be given in every single room. To complete this work scope, each subcontractor must transfer the general area survey points accurately as needed. The location of these general survey points is at the discretion of the Construction Manager.
41. The construction manager has the authority to recommend withholding pay applications from any subcontractor due to poor work quality. If this situation arises, the subcontractor will be notified in writing (72 hours' notice) that their work quality is unsatisfactory and requires remediation. The subcontractor must then submit a written remediation plan detailing how they will improve the quality of their work. Once the plan has been implemented and the work quality has been improved, the subcontractor may resubmit their pay application for the owner's approval. Any active unresolved 72-hour notices may result in the CM withholding the pay application for this subcontractor.
42. The subcontractor is required to utilize a robotic total station (similar to that offered by Hilti, Trimble, or Leica) for layout, backchecking, verification before installation, and documenting as-built conditions.
 - a. The construction manager can provide equipment and a robotic total station operator for \$175/hr with at least 48hr notice. A competent layout representative from this subcontractor must accompany the layout crew.
 - b. Failure to use the robotic total station will result in a stop work order with no added time to the schedule until the subcontractor complies. No added cost associated with acceleration will be accepted.
 - c. This subcontractor shall be solely responsible for the correct layout, which cannot be delegated or assigned.
43. Please see the table below for all required meetings.
 - a. Without exception, this Subcontractor's Project Manager and/or Superintendent must attend the weekly coordination/subcontractor meetings in person two weeks before starting work and while performing the scope of work.
 - b. This subcontractor is required to participate in pull planning sessions actively. These sessions are in-person and onsite, with no exceptions. These will occur bi-weekly at the discretion of the CM. Each day, the progress will be reviewed in the "Daily Forman's Huddle".
 - c. Failure to have the proper representative at any onsite meeting will constitute a safety violation of "competent person not on site.". Refer to Exhibit J for more information.

Meeting Titles	Frequency	Required Attendees	Location
Pre-Install	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Safe Start	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Daily Foreman Huddle	Daily	Superintendent & Foreman/Competent Person	On Site - CM Trailer
Weekly Subcontractor Coordination	Weekly	Superintendent & Project Manager	On Site - CM Trailer
Pull Plan Initial Set-Up	As required	Superintendent & Project Manager	Remote / On Site
Pull Plan Updates	Bi-Weekly	Superintendent & Project Manager	On Site - CM Trailer
Jobsite Safety Standdown	Weekly	Everyone on site	On Site - CM Trailer
BIM Coordination	Weekly	MEP Trades BIM Managers	Remote

E. SCOPE OF WORK SPECIFICATIONS:

The following outlines the scope of work specifications sections relevant to the work to be performed. This list represents the core specifications that will guide the tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional specifications and related sections that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

- ~~1. SECTION 07 41 13 - METAL ROOF PANELS (Addendum 1)~~
2. SECTION 07 42 13 - METAL WALL PANELS
3. SECTION 07 42 93.13 - METAL SOFFIT PANELS

F. PROJECT SPECIFIC SCOPE REQUIREMENTS:

The following outlines the project-specific scope requirements of the work to be performed. This list represents the core tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional tasks and responsibilities that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. Subcontractor to furnish and install all interior and exterior metal wall panels.
2. Subcontractor shall furnish and install all exterior metal wall panels and metal soffit panels including but not limited to all prefinished panels, gaskets, panel mounting systems, stiffeners, metal furring, trim metals, steel sub girts/hat channels, hangers, flashings, closures, sealants, covers, wraps, fillers, soffits, borders, other metal trim items and accessories, copings, weather-stripping, fasteners and anchors, clips, rigid insulation, shims, spacers, and all other incidental items required for a complete and weather-tight system.
3. Subcontractor is responsible for the supply and install of all metal furring channel and J closures for this scope of work to create a complete system.
4. Subcontractor to furnish and install the Rainscreen System complete to satisfy manufacturer's warranty.
5. Subcontractor to provide and install all required flashing and trim to complete installation.
6. Provide all metal wall panels per specification sections and Contract Drawings.
7. Subcontractor has reviewed the finish schedule for color, texture and pattern of finish coat and caulking.
8. Supply & install all flashings with drip edge at bottom of metal wall panels, and any other flashing required for proper installation of this scope. Other adjacent flashings by others.
9. Coordination and/or cutting of spray foam insulation on an as needed bases for the installation of the wall panel, is in this scope of work.
10. Provide all required mock-ups of work for Owner/Architect approval.

11. Subcontractor shall clean, straighten and punch-list all the materials installed by this scope for Construction Manager's and Architect's acceptance prior to final acceptance by the owner.
12. Ensure that all waterproofing is included as part of a warranted manufacturer approved assembly.
13. Subcontractor is responsible for all cleanup of debris from materials and installation of materials included by this scope.
14. Subcontractor is responsible for coordination with metal stud/framing subcontractor, canopy subcontractor, mason, storefront/glazing subcontractor, spray foam insulation subcontractors or any other subcontractor whose work affects the sequencing of installation for this scope.
15. Subcontractor is responsible for waterproof barrier and flashing at all openings within this scope of work.
16. Subcontractor is responsible for all caulking, to include caulking to dis-similar materials per manufacturer's recommendations within or adjacent to this scope of work.
17. Subcontractor shall final clean per specifications following completion of all surrounding installations prior to Owner's acceptance of building.
18. Subcontractor is responsible for protection of all installation surfaces from scratches, dents, etc. until wall panel installation and caulking operations under this agreement are 100% complete by Subcontractor. Subcontractor shall notify Construction Manager in writing when the project or a mutually designated portion or area thereof, is 100% for Construction Manager's review, at which time Construction Manager will accept wall panel conditions with the exception of those items and conditions identified during walk-thru acceptance.
19. The subcontractor shall provide labor, materials, and equipment for this scope of work at all required mock-ups under this agreement at no cost to the Construction Manager. The approved sample mock-ups will remain standing to provide the standards for the workmanship of the work. All sample panels shall be constructed and completed for Owner/Architect review by such time to allow for the manufacturing and shipment of materials in accordance with the project schedule.

G. DESCRIPTION OF SCOPE EXCLUSIONS

The following is a complete and exhaustive list of exclusions from the Scope of Work:

1. NONE

**BID PACKAGE #0750
TURNKEY ROOFING
(SCOPE OF WORK)**

The Scope of Work shall include the furnishing of a complete **TURNKEY ROOFING PACKAGE**. This shall include, but is not limited to all required: labor, fabrication, engineering, submittals, shop drawings, materials, equipment, tools, supervision, hoisting, scaffolding, and transportation as required for a complete scope of work.

DESCRIPTION OF SCOPE INCLUSIONS

The following is a non-exhaustive list of inclusions and is not intended to limit the work in any way.

A. CONTRACT DOCUMENTS:

All work shall be performed in accordance with Contract Documents.

- All plans and specifications
- All scope of work requirements
- All contract requirements

B. BONDING REQUIREMENTS:

Each bidder quoting a sum greater than ~~\$100,000~~ \$300,000 (Addendum 1) shall have a 10% Bid Bond accompanying their bid as well as a Payment and Performance Bond included in their price. Additionally, all Bonds required shall be furnished per the Subcontract Agreement provided in the Bid Manual.

C. SUBMITTAL REQUIREMENTS:

Collaborative File Sharing - Subcontractor shall be responsible for the uploading of all required submittals to a file sharing program (Procore). Notifications will be sent when submittals are reviewed. It is the subcontractor's responsibility to track the approval process and proceed as directed in the submittal by the due date stated in Procore.

Samples – Descriptions of samples shall be uploaded to the site for record purposes. "Hard" samples are still required per the plans/specifications.

At the time of submittals Subcontractor shall clearly identify to the Construction's Manager and Architect's attention, **any deviations from the Contract Documents**. This Subcontractor's responsibility to the Contract Documents is not relieved by the Architect or Construction Manager's review unless there is **written acceptance of the specific deviations**. Subcontractor is responsible for submitting and expediting approval of any submittal requirements through a jurisdictional agency, if applicable.

Subcontractor is to deliver all required Reports and bid documents to Construction Manager within 14 calendar days from date of Notice of Award. NO payment shall be made to subcontractor without all subcontractors' documents submitted. Provide signed and sealed engineered shop drawings as specified by a licensed and registered Engineer.

Any required re-submittals, record submittals, and/or field drawings shall be forwarded to Construction Manager within seven (7) days of initial submittal return to Subcontractor. **Failure of this Subcontractor**

to submit correct or timely submittals does not relieve said Subcontractor of material delivery obligations in accordance with the Project Schedule. Subcontractor shall allow a minimum of twenty-eight (28) calendar days of Construction Manager -Architect review duration. No material substitutions will be approved by Construction Manager unless Subcontractor can obtain Owner-Architect approval for such substitutions at no additional cost to Construction Manager and without delaying project schedule.

D. STANDARD SCOPE INCLUSIONS:

The items listed below are specifically included and are for clarification purposes only. They shall not be construed as a complete list of all work. It is the intent of this to clarify subcontract issues. If conflicts are discovered between this and the Subcontract General Terms, then the Subcontract General Terms shall govern.

1. Provide a full-time, competent and English-speaking Superintendent onsite at all times while this subcontractor's work is being performed to coordinate the work of this project. The competent person on site must be OSHA 30 certified. Failure to provide a competent person on site will result in the CM not allowing the subcontractor to work on site.
2. Metcon intends to use GCPay which is a third party pay application service that simplifies the application for payment processes between Metcon and our subcontractors by automating the payment application process. At no cost to our subcontractors, GCPay provides an automated information exchange for lien waivers and all compliance documents. This platform saves time and improves subcontractor communication by keeping them informed throughout the process of potential issues needing immediate attention.
3. The subcontractor has reviewed specification SECTION 01 22 00 – UNIT PRICES. All required unit pricing for this scope of work has been acknowledged and included in the bid form.
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5. As required, the subcontractor shall design, provide, and engineer crane subsurface/pads in accordance with project specifications and load requirements. The subcontractor shall ensure that all crane operations are structurally sound at no additional cost to the CM.
6. Verify all substrate conditions and notify the Construction Manager twenty-one (21) days prior to the start of work of any deficiencies in substrate prohibiting the start of work under this agreement.
7. It is mandatory that all subcontractor employees have access to a tablet with Procore access for use on this project. This tablet shall be an iPad Pro generation 3 or newer with cellular connectivity, or comparable in specs and capabilities. This provision provides the subcontractor the capability of having access to Procore in the field with the latest set of drawings.
8. Subcontractor will not use or allow the use of the building's drainage systems for cleaning debris or disposing of waste materials. In the event of any drainage systems being clogged or obstructed by this Subcontractor's materials, Subcontractor will reimburse the Contractor for the repair cost plus a mark-up.
9. This Subcontractor is responsible for requesting any additional information, instructions and/or clarifications required to complete the work. The Subcontractor will request such information from the Design team in writing in the form of a Request for information (RFI) through the file sharing

program called Procore. The request for such information shall be made in advance to avoid any delay of the work.

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11. Subcontractor is responsible for its own traffic control/flag man for any hauling operation in or out of the project site. Flag man is not required if staging of deliveries outside of the site does not impede pedestrian and motor vehicle traffic. All traffic control personnel shall be NCDOT certified. Reference the Logistics Plan indicating the crossing and use active public roadways.
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13. This subcontractor is responsible for maintaining streets and parking lots in clean condition for their scope of work.
14. This Subcontractor is responsible for all temporary safety measures to meet OSHA and Metcon's safety standards pertaining to your scope of work. See exhibit J for more details.
15. The Subcontractor has reviewed all drawings, documents, appendices, and specifications for this project and has found no obvious omissions and further agrees that the work of this agreement and the project can be constructed within the milestones and completion dates agreed upon without claims for delays or costs implications, unless substantial Owner directed Scope changes occur.
16. Within **10** days of receipt of subcontract, each subcontractor is required to issue a manpower count necessary for each section/activity of their scope of work to meet the schedule requirements. Metcon will review and must approve the proposed manpower counts prior to commencement of your work. Metcon, Owner, Architect & Consultants will constantly track the manpower for each activity to ensure compliance to the schedule and the forecasted status of project which will measure performance. In the event of the subcontractor having low productivity/performance, resulting on schedule delays, subcontractor will increase its manpower at Metcon's, Owner's and/or Architect's request. Pay applications may be delayed until compliance has been satisfied.
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18. Each subcontractor shall conduct pursuant to N.C. Gen. Stat. § 115C-332.1, an annual check of each of its employees, and contractual employees, consultants, agents, and other representatives on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry if such employee, subcontractor, agent, or other representative will be on the Project site or other school property as part of his or her job. The CM shall conduct this check on each of its employees, consultants, agents, and other representatives prior to permitting such employee, consultant, agent or other representative to enter the Project site or other school property to perform work under this Agreement. For the Construction Manager's convenience only, all the required registry checks may be completed at no cost by accessing the United States Department of Justice Sex Offender Public Registry at <http://www.nsopw.gov>. No person shall be permitted to enter the Project site or other school property to perform work under this Agreement if that person is listed on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and/or the National Sex Offender Registry.

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 - d. Provide OSHA 300 & 300A logs for the last three years.
 - e. A written hazard communication program safety data sheet (SDS)
 - f. A written safety plan for the revised silica dust respiratory plan (if applicable) is needed.
 - g. A written ground fault protection program.
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 - i. All site-specific personnel documentation will be required to be submitted two weeks before this scope of work begins.
 - j. Failure to comply with this documentation will result in a delayed start in this subcontractor's mobilization. This may include withholding mobilization costs in pay applications until this subcontractor complies. No additional cost or time will be considered due to any acceleration required.

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 - b. Failure to use the robotic total station will result in a stop work order with no added time to the schedule until the subcontractor complies. No added cost associated with acceleration will be accepted.
 - c. This subcontractor shall be solely responsible for the correct layout, which cannot be delegated or assigned.
43. Please see the table below for all required meetings.
 - a. Without exception, this Subcontractor's Project Manager and/or Superintendent must attend the weekly coordination/subcontractor meetings in person two weeks before starting work and while performing the scope of work.
 - b. This subcontractor is required to participate in pull planning sessions actively. These sessions are in-person and onsite, with no exceptions. These will occur bi-weekly at the discretion of the CM. Each day, the progress will be reviewed in the "Daily Foreman's Huddle".
 - c. Failure to have the proper representative at any onsite meeting will constitute a safety violation of "competent person not on site.". Refer to Exhibit J for more information.

Meeting Titles	Frequency	Required Attendees	Location
Pre-Install	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Safe Start	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Daily Foreman Huddle	Daily	Superintendent & Foreman/Competent Person	On Site - CM Trailer
Weekly Subcontractor Coordination	Weekly	Superintendent & Project Manager	On Site - CM Trailer
Pull Plan Initial Set-Up	As required	Superintendent & Project Manager	Remote / On Site
Pull Plan Updates	Bi-Weekly	Superintendent & Project Manager	On Site - CM Trailer
Jobsite Safety Standdown	Weekly	Everyone on site	On Site - CM Trailer
BIM Coordination	Weekly	MEP Trades BIM Managers	Remote

E. SCOPE OF WORK SPECIFICATIONS

The following outlines the scope of work specifications sections relevant to the work to be performed. This list represents the core specifications that will guide the tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional specifications and related sections that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. **SECTION 07 22 16.10 - ROOF INSULATION FOR MEMBRANE ROOFING**
2. **SECTION 07 54 23 - THERMOPLASTIC-POLYOLEFIN ROOFING**
3. **SECTION 07 62 00 - SHEET METAL FLASHING AND TRIM**
4. **SECTION 07 71 23 – MANUFACTURED GUTTERS AND DOWNSPOUTS**
5. **SECTION 07 72 00 - ROOF ACCESSORIES**
6. **SECTION 07 72 33 – ROOF HATCHES**
7. **SECTION 07 41 13 – METAL ROOF PANELS (Addendum 1)**

F. PROJECT SPECIFIC SCOPE REQUIREMENTS:

The following outlines the project-specific scope requirements of the work to be performed. This list represents the core tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional tasks and responsibilities that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. Subcontractor Provide **all building roof systems including** gutters, downspouts and snow guards **per the contract documents. (Addendum 1)**
2. All downspouts that connect to in-ground piping require a decorative shroud around the point of interconnection.
 - a. Shroud/cover shall be removable.
 - b. Made out of sheet metal with riveted or welded corners.
 - c. Color to match downspouts.
3. The subcontractor will provide walk off mats as shown on plans and supply material specified in the specifications.
4. The subcontractor will provide and install the acoustical insulation. The roofer is responsible for placing the insulation in the metal decking and ensuring it remains free from moisture until the roofing system is complete.
5. Includes all metal bands and associated wood blocking.
6. The subcontractor will supply all roof hatches, blocking and flashing around roof hatches as indicated in plans and specifications.
7. All Field measurements and verification are included. The subcontractor shall notify the Construction Manager, in writing, at least seven (7) days before equipment installation, of any field discrepancies found during field measurement.
8. Subcontractor acknowledges that not all roofing systems and components are shown on the Drawings and that Subcontractor has allowed and will supply a sufficient roofing system to meet the intent of the Contract Documents and manufacturer's recommendations. The subcontractor is responsible for all costs associated with modifying Contract Drawing details relating to this agreement.

- a. Changes to waterproofing details such as through wall flashing and other related items shall be covered to ensure the intent of the drawings is covered as mentioned in the above statement.
9. Changes to waterproofing details such as through wall flashing and other related items shall be covered to ensure the intent of the drawings is covered as mentioned in the above statement.
10. The subcontractor is responsible for cleaning and protecting all surrounding finished installations from work performed under this agreement to prevent damage.
11. Provide all OSHA required fall protection systems and maintain through the end of the project for shared usage with all other trades as needed. Include fall protection systems capable of securing up to 20 other tradesmen.
 - a. Harness and PPE are to be provided by each subcontractor.
12. Subcontractor is responsible for all furring, blocking, cants, backing or any other manufacturer requirement that are not indicated on contract documents to provide a complete and warrantable system.
13. All components and assemblies installed under this agreement shall meet any specified fire rating requirements indicated on the Contract Documents from the substrate provided by others.
14. Subcontractor is responsible for protecting all on-site stored materials including any materials supplied by other contractors for this subcontractor to install.
15. Daily cleanup of debris is included. General Construction Manager shall provide a single on-site location or dumpster for removal from site by others. Blown debris pickup is included in this agreement.
16. Subcontractor shall place all control joints and expansion joints required by this Scope of Work where shown on the Drawings or specifications, and if not indicated Subcontractor will install in locations directed or required for a complete and proper installation of the roofing system per manufacturer's recommendations.
17. This Subcontractor is responsible to separate dissimilar metals from electrolytic actions.
18. Subcontractor shall broom clean and wash-down roof areas. Subcontractor is responsible to protect surrounding substrates and finishes installed by others from damage by performance of work under this agreement. Manufacturer's recommended procedure for touch-up painting all abrasions, scratches, etc. is included following cleaning procedure noted above for Owner and Architect acceptance of work.
19. Subcontractor shall not overload building structure system when storing products on building roof structure.
20. Subcontractor shall schedule frequent manufacturer(s) inspections of the materials and installation procedures for a warrantable system. Copies of inspection reports shall be provided to Construction Manager weekly. Any specified field testing, roof flood testing, hosing, etc. is also included.
21. All required or specified mock-ups are included.
22. The subcontractor understands that the metal roof decking will be provided by others. The subcontractor acknowledges new roofing will be installed over a roofing substrate per tolerances specified under the specification section for ***Steel Roof Decking if applicable***.
23. The subcontractor understands that the roof topping slab shall be provided by others. The subcontractor acknowledges new roofing will be installed over a roofing substrate installed per tolerances specified under the specification section for lightweight ***concrete if applicable***.
24. Subcontractor shall provide and install all roof membrane, fasteners, cant strips, flashings and boots, wood blocking, cricket insulation, saddles, cants, adhesives, termination bars, caulking, mastic,

primers, sealers, protective coatings, underlayment's, base sheet, recovery boards, coping, edge trims, vapor retarder, separation layers, counterflashing's, fire retardant gypsum/barrier board (including as specified and required with UL assemblies for roof assemblies), accessories, membrane cleaners, etc. required to provide a waterproof and warrantable roof system.

25. All roof taper is included for proper drainage. Subcontractor shall coordinate insulation layout with structural drawings, roof drain layout, existing and new structure substrate conditions, scuppers, mechanical curbs, etc. in achieving proper specified slope requirements. Structure substrate shall be installed in accordance with structural drawings. The subcontractor shall ensure that proper roof drainage, rework for this to be this subcontractor's responsibility.
26. The mechanical subcontractor will provide the Mechanical roof curbs. However, this subcontractor will be responsible for all required flashing and for coordinating the size and configuration of these roof curbs with the mechanical subcontractor.
27. Subcontractor is responsible for all substrate preparation/backing to turn-up roof membrane at windows, metal panels, masonry, etc.
28. All roof and roof-related caulking required for a watertight roof system is included. This includes but is not limited to, caulk at flashings to flashings, caulk flashings to brick, caulk flashings to steel beams/tubes, caulk flashings to metal panels, caulk above termination bars to substrate, caulk parapet and edge metal copings to brick or metal panels at building exterior sides, etc.
29. Flashing of all roof penetrations and associated flashings including plumbing vents, fan curbs, stacks/flues, electrical penetrations, structural steel, lightning protection, etc.
30. All roof related counter flashings, etc. are included.
31. Subcontractor shall provide any required masonry counterflashing reglets in a timely manner to be installed during masonry construction, etc. Saw cutting into brick is included.
32. All prefinished custom fabricated flashings at fascia including drips, etc.
33. All metal cap flashing with continuous cleat over PT wood blocking.
34. The subcontractor shall notify Construction Manager in writing within twenty-one (21) days prior to mobilizing to each area of noncompliance or rework requirements of existing substrate or rough opening conditions. Failure to notify Construction Manager of any inefficiency will result in the subcontractor assuming full acceptance of substrate, rough opening conditions and locations.
35. The subcontractor shall prepare detailed shop drawings identifying all required rough opening sizes and locations, all metal stud locations, structural angle locations, etc.
36. All systems, flashings, accessories, etc. furnished under this agreement shall be prefinished in accordance with contract documents to match Architect's approved samples in color, pattern, texture, etc.
37. The subcontractor shall provide standard manufacturer's factory testing requirements or as specified under the Project Specifications (whichever is more stringent), outlining the performance characteristics of all requirements under the Project Specifications.
38. The subcontractor is responsible for all metal stud, structural steel, concrete, and masonry substrate preparation, including spacers, shims, etc., as each trade shall be responsible for installation tolerances allowed to each respective trade under the contract specification.
39. The subcontractor is responsible for coordinating work under this agreement with the Plumbing Subcontractor, Mechanical Subcontractor, Electrical Subcontractor, and Solar PV Subcontractor as applicable.

40. The subcontractor shall provide labor, materials, and equipment for this scope of work at all required mock-ups under this agreement at no cost to the Construction Manager. The approved sample mock-ups will remain standing to provide the standards for the workmanship of the work. All sample mock-ups shall be constructed and completed for Owner/Architect review by such time to allow for the manufacturing and shipment of materials in accordance with the project schedule.

G. DESCRIPTION OF SCOPE EXCLUSIONS

The following is a complete and exhaustive list of exclusions from the Scope of Work:

1. NONE

**BID PACKAGE #0960
RESILIENT FLOORING & CARPET
(SCOPE OF WORK)**

The Scope of Work shall include the furnishing of a complete **RESILIENT FLOORING & CARPET PACKAGE**. This shall include, but is not limited to all required: labor, fabrication, engineering, submittals, shop drawings, materials, equipment, tools, supervision, hoisting, scaffolding, and transportation as required for a complete scope of work.

DESCRIPTION OF SCOPE INCLUSIONS

The following is a non-exhaustive list of inclusions and is not intended to limit the work in any way.

A. CONTRACT DOCUMENTS:

All work shall be performed in accordance with Contract Documents.

- All plans and specifications
- All scope of work requirements
- All contract requirements

B. BONDING REQUIREMENTS:

Each bidder quoting a sum greater than ~~\$100,000~~ \$300,000 (Addendum 1) shall accompany their bid with a 10% Bid Bond and include a Payment and Performance Bond in their price. Additionally, all required bonds shall be furnished per the Subcontract Agreement provided in the Bid Manual.

C. SUBMITTAL REQUIREMENTS

Collaborative File Sharing - Subcontractor shall be responsible for the uploading of all required submittals to a file sharing program (Procore). Notifications will be sent when submittals are reviewed. It is the subcontractor's responsibility to track the approval process and proceed as directed in the submittal by the due date stated in Procore.

Samples – Descriptions of samples shall be uploaded to the site for record purposes. "Hard" samples are still required per the plans/specifications.

At the time of submittals Subcontractor shall clearly identify to the Construction's Manager and Architect's attention, **any deviations from the Contract Documents**. This Subcontractor's responsibility to the Contract Documents is not relieved by the Architect or Construction Manager's review unless there is **written acceptance of the specific deviations**. Subcontractor is responsible for submitting and expediting approval of any submittal requirements through a jurisdictional agency, if applicable.

Subcontractor is to deliver all required Reports and bid documents to Construction Manager within 14 calendar days from date of Notice of Award. NO payment shall be made to subcontractor without all subcontractors' documents submitted. Provide signed and sealed engineered shop drawings as specified by a licensed and registered Engineer.

Any required re-submittals, record submittals, and/or field drawings shall be forwarded to Construction Manager within seven (7) days of initial submittal return to Subcontractor. **Failure of this Subcontractor to submit correct or timely submittals does not relieve said Subcontractor of material delivery obligations in accordance with the Project Schedule.** Subcontractor shall allow a minimum of twenty-eight (28) calendar days of Construction Manager -Architect review duration. No material substitutions will be approved by Construction Manager unless Subcontractor can obtain Owner-Architect approval for such substitutions at no additional cost to Construction Manager and without delaying project schedule.

D. STANDARD SCOPE INCLUSIONS:

The items listed below are specifically included and are for clarification purposes only. They shall not be construed as a complete list of all work. It is the intent of this to clarify subcontract issues. If conflicts are discovered between this and the Subcontract General Terms, then the Subcontract General Terms shall govern.

1. Provide a full-time, competent, and English-speaking Superintendent onsite at all times while this subcontractor's work is being performed to coordinate the work of this project. The competent person on site must be OSHA 30 certified. Failure to provide a competent person on site will result in the CM not allowing the subcontractor to work on site.
2. Metcon intends to use GCPay which is a third party pay application service that simplifies the application for payment processes between Metcon and our subcontractors by automating the payment application process. At no cost to our subcontractors, GCPay provides an automated information exchange for lien waivers and all compliance documents. This platform saves time and improves subcontractor communication by keeping them informed throughout the process of potential issues needing immediate attention.
3. The subcontractor has reviewed specification SECTION 01 22 00 – UNIT PRICES. All required unit pricing for this scope of work has been acknowledged and included in the bid form.
4. The subcontractor has reviewed specification SECTION 01 23 00 – ALTERNATES. All required pricing for alternates for this scope of work has been acknowledged and included in the bid form. If alternates are selected, they are selected in their entirety. All documents have been fully evaluated for alternative work.
5. As required, the subcontractor shall design, provide, and engineer crane subsurface/pads in accordance with project specifications and load requirements. The subcontractor shall ensure that all crane operations are structurally sound at no additional cost to the CM.
6. Verify all substrate conditions and notify the Construction Manager twenty-one (21) days prior to the start of work of any deficiencies in substrate prohibiting the start of work under this agreement.
7. All subcontractor employees must have access to a tablet with Procore access for use on this project. This tablet shall be an iPad Pro generation 3 or newer with cellular connectivity or comparable in specs and capabilities.

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RESILIENT FLOORING & CARPET

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8. This subcontractor will not use or allow the building's drainage systems to clean debris or dispose of waste materials. If any drainage systems are clogged or obstructed by this subcontractor's materials, this subcontractor will reimburse the Contractor for the repair cost plus a mark-up.
9. This subcontractor is responsible for requesting any additional information, instructions and/or clarifications required to complete the work. The subcontractor will request such information from the Design team in writing as a Request for information (RFI) through the file-sharing program Procore. Requests for such information shall be made in advance to avoid any delay in the work.
10. This subcontractor is responsible for receiving, unloading, inventorying, storing, and coordinating this subcontractor's work. **All deliveries, hoisting, and storage of materials will be coordinated and scheduled with CM. Any deliveries not scheduled will not be allowed on site.** Material and equipment deliveries must be coordinated "just in time." Material and equipment storage on site must not exceed five (5) workdays. Once materials and/or equipment are moved inside the building, it must be installed within five (5) workdays. This subcontractor must utilize its own equipment to unload material.
11. This subcontractor is responsible for its own traffic control/flag man for any hauling operation in or out of the project site. All traffic control personnel shall be NCDOT certified. Reference the Logistics Plan indicating the crossing and use of active public roadways.
12. This subcontractor is responsible for erecting its own scaffolding, working platforms, material handling, storage, lifting & hoisting as required to perform the work under this scope.
13. This subcontractor is responsible for maintaining streets and parking lots in clean condition for their scope of work.
14. This subcontractor is responsible for all temporary safety measures to meet OSHA and Metcon's safety standards pertaining to your scope of work. See Exhibit J for more details.
15. The subcontractor has reviewed all drawings, documents, appendices, and specifications for this project and has found no obvious omissions and further agrees that the work of this agreement and the project can be constructed within the milestones and completion dates agreed upon without claims for delays or costs implications unless substantial Owner directed Scope changes occur.
16. Within **10** days of receipt of the contract, this subcontractor is required to issue a manpower count for each section/activity of their scope of work to meet the schedule requirements. Metcon will review and approve the proposed manpower counts before commencing this work. Metcon, Owner, Architect, & Consultants will constantly track the manpower for each activity to ensure compliance with the schedule and the forecasted status of the project, which will measure performance. If the subcontractor has low productivity/performance, resulting in schedule delays, this subcontractor will increase its manpower at Metcon's, Owner's, and/or Architect's request. Pay applications may be delayed until compliance has been satisfied.
17. In the event of inclement weather, this subcontractor is responsible for securing and protecting all their materials and work in place.
18. This subcontractor shall conduct pursuant to N.C. Gen. Stat. § 115C-332.1, an annual check of each of its employees, and contractual employees, consultants, agents, and other representatives on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry if such employee, subcontractor, agent, or other representative will be on the Project site or other school property as part of his or her job. The CM shall conduct this check on each of its employees, consultants, agents, and other representatives prior to permitting such employee, consultant, agent or other representative to enter the Project site or other school property to perform work under this agreement. For the Construction Manager's convenience only, all the required registry checks may be completed at no cost by accessing the United

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States Department of Justice Sex Offender Public Registry at <http://www.nsopw.gov>. No person shall be permitted to enter the Project site or other school property to perform work under this agreement if that person is listed on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and/or the National Sex Offender Registry.

19. This subcontractor must thoroughly examine all drawings to recognize and include elements within their area of responsibility. This subcontractor is required to review all project drawings and specs. This subcontractor will have an opportunity to ask questions about design intent before bidding; after the bid and award of the package, the subcontractor will utilize the most stringent design. The design utilized shall be in the best interest of the Owner.
20. Parking at and around the site will be limited. Please see the Logistics Plan for more information.
21. The subcontractor shall only remove temporary construction fences, safety control devices, or sediment control devices with advanced approval from the construction manager. In the event that removal is required, the subcontractor shall reinstall it in the same condition or better.
22. This subcontractor will abide by local noise ordinances as required.
23. All non-compliance items or punch lists brought to the subcontractor's attention in Procore must be corrected and "ready for review" within 5 working days of initiation by the Construction Manager.
24. A weekly job site cleanup will occur. Each subcontractor must contribute one laborer per five onsite workers for four (4) hours, to be used at the Construction Manager's discretion.
25. All subcontractors will adhere to a work week consisting of five (5) days per week, ten (10) hour days, fifty-two (52) weeks per year, with standardized starting and quitting times 7 am to 5:30 pm regardless of external influences (such as driving distance, subcontractor's company policies, or personal preference.) No subcontractor will be allowed to work a four (4) day work week.
26. Under no circumstances is the subcontractor permitted to work without a construction manager's representative on site.
27. Protection of work in place: This subcontractor shall provide and maintain protection of all adjacent property and other subcontractor's work, materials, tools, and equipment from damage resulting from this subcontractor's activities. This subcontractor is responsible for the cost of repairing or replacing any items damaged by its employees, its lower-tier subcontractors, or its suppliers, including damage caused during stocking or hoisting.
28. In addition to any Owner site requirements, eating and drinking shall be prohibited within the building or as otherwise determined by the Construction Manager. Subcontractor violators will be removed from the project site. Smoking or other tobacco products will not be allowed on site. Anyone violating this policy will be removed from the site permanently.
29. No visitors shall be admitted to the job site by the subcontractor without first obtaining the approval of the Construction Manager and having completed the site-specific job site orientation. This subcontractor will confirm and/or provide all their visitors with the site-required personal protection equipment.
30. No photographs or videos (including drone videos) of the project may be taken without the construction manager's and owner's prior approval. All persons approved to take photographs/videos must attend training and will be provided with credentials.
31. All schedule of values shall be uploaded to GC Pay within ten (10) days of the letter of intent being awarded. All subcontractors' SOVs shall include the following standard items: mobilization, submittals, weekly composite cleanup, punch list, and project closeout. Material and labor shall be broken out as separate lines and further broken out to match the unit/phasing established in the project schedule. Schedule of values must be approved by Construction Manager prior to this subcontractor's

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first pay application. Construction manager requires a minimum of twenty (20) days to review the Schedule of Values.

32. Attached to the Bid manual is a sample of Metcon's standard contract. This subcontractor is required to review and accept it in its entirety.
33. Weekend work might be necessary to meet the project schedule, which must be coordinated with the Construction Manager if required. The construction manager will not allow weekend work if the subcontractors are not already working the full number of job site hours with full crews. This means that if you are working less than Monday through Friday, 7 am -5:30 pm, the site will not be open on the weekend unless excusable inclement weather determined by the CM occurs during the week. There will be no issue with opening the site as much as necessary to facilitate subcontractors who are trying to meet the scheduled responsibilities by working the total amount of open hours.
34. Based on the scope of work, subcontractor understands that multiple mobilizations will be required to complete the work.
35. The construction manager reserves the right to add a fifteen (15) percent mark-up to all back charges that the construction manager facilitates. If back charges are resolved without the involvement of the Construction Manager, no mark-up will be applied.
36. Time and Material tickets must be approved by the Construction Manager's superintendent within 24 hours of work commencing. Invoices associated with time and material tickets must be submitted to the Construction Manager's Project Manager within thirty (30) days of work commencing. All invoices must reference a "CE number" assigned by the CM. Invoices not referencing a "CE number" will be returned and not processed.
37. Pull planning will be implemented on this project. The weekly "Plan Percent Complete Report" will be sent to the subcontractor's representative to provide tangible value to the subcontractor's progress. The subcontractor is required to use the pull planning process to identify all constraints that may impede their progress. Constraints not identified and documented within a reasonable time for rectification will not be considered valid reasons for schedule adjustments. The subcontractor is expected to follow the Pull Plan Schedule, which should enhance and supersede the contract schedule.
38. For the Submittal of pay applications, subcontractor is required to use GC Pay at no cost to the subcontractor.
39. All required site safety documentation must be submitted in Procore 30 days after issuing the letter of intent. This is to include the following:
 - a. Executed the Partnership Form for the subcontractor safety and health incident prevention program.
 - b. Subcontractors' specific site job hazard analysis (JHA), detailing your scope of work, the hazards associated with each task, and how they will be abated.
 - c. Trades whose work scope includes steel erection, pre-cast, demo, and roofing shall provide a written site safety plan.
 - d. Provide OSHA 300 & 300A logs for the last three years.
 - e. A written hazard communication program safety data sheet (SDS)
 - f. A written safety plan for the revised silica dust respiratory plan (if applicable) is needed.
 - g. A written ground fault protection program.
 - h. Exhibit J returned with pages initialed.

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- i. All site-specific personnel documentation will be required to be submitted two weeks before this scope of work begins.
 - j. Failure to comply with this documentation will result in a delayed start in this subcontractor's mobilization. This may include withholding mobilization costs in pay applications until this subcontractor complies. No additional cost or time will be considered due to any acceleration required.
40. Survey points will be provided for general locational purposes. These will not be given in every single room. To complete this work scope, each subcontractor must transfer the general area survey points accurately as needed. The location of these general survey points is at the discretion of the Construction Manager.
41. The construction manager has the authority to recommend withholding pay applications from any subcontractor due to poor work quality. If this situation arises, the subcontractor will be notified in writing (72 hours' notice) that their work quality is unsatisfactory and requires remediation. The subcontractor must then submit a written remediation plan detailing how they will improve the quality of their work. Once the plan has been implemented and the work quality has been improved, the subcontractor may resubmit their pay application for the owner's approval. Any active unresolved 72-hour notices may result in the CM withholding the pay application for this subcontractor.
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- a. The construction manager can provide equipment and a robotic total station operator for \$175/hr with at least 48hr notice. A competent layout representative from this subcontractor must accompany the layout crew.
 - b. Failure to use the robotic total station will result in a stop work order with no added time to the schedule until the subcontractor complies. No added cost associated with acceleration will be accepted.
 - c. This subcontractor shall be solely responsible for the correct layout, which cannot be delegated or assigned.
43. Please see the table below for all required meetings.
- a. Without exception, this Subcontractor's Project Manager and/or Superintendent must attend the weekly coordination/subcontractor meetings in person two weeks before starting work and while performing the scope of work.
 - b. This subcontractor is required to participate in pull planning sessions actively. These sessions are in-person and onsite, with no exceptions. These will occur bi-weekly at the discretion of the CM. Each day, the progress will be reviewed in the "Daily Foreman's Huddle".
 - c. Failure to have the proper representative at any onsite meeting will constitute a safety violation of "competent person not on site.". Refer to Exhibit J for more information.

Meeting Titles	Frequency	Required Attendees	Location
Pre-Install	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Safe Start	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Daily Foreman Huddle	Daily	Superintendent & Foreman/Competent Person	On Site - CM Trailer
Weekly Subcontractor Coordination	Weekly	Superintendent & Project Manager	On Site - CM Trailer
Pull Plan Initial Set-Up	As required	Superintendent & Project Manager	Remote / On Site
Pull Plan Updates	Bi-Weekly	Superintendent & Project Manager	On Site - CM Trailer
Jobsite Safety Standdown	Weekly	Everyone on site	On Site - CM Trailer
BIM Coordination	Weekly	MEP Trades BIM Managers	Remote

E. SCOPE OF WORK SPECIFICATIONS

The following outlines the scope of work specifications sections relevant to the work to be performed. This list represents the core specifications that will guide the tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional specifications and related sections that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

- 1. SECTION 09 65 00 - RESILIENT FLOORING**
- 2. SECTION 09 68 13 - TILE CARPETING**

F. PROJECT SPECIFIC SCOPE REQUIREMENTS:

The following outlines the project-specific scope requirements of the work to be performed. This list represents the core tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional tasks and responsibilities that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. This subcontractor shall provide transitions at all flooring type change conditions.
 - a. Subcontractor is responsible for the coordination of the placement and sequencing of the transitions with CM and other flooring Subcontractor.
2. Furnish and install all LVT, Resistant tile, wall base, and accessories, including as indicated on the plans:
3. All adhesives, primers, sealers, epoxy fillers, miscellaneous accessories, etc.
4. All edge strips, transition strips, primers, sealers, reducer strips, etc.
5. Provide all resilient and metal edge strips to abutting finishes including exposed concrete floors, traffic coating flooring, etc.
6. All resilient base/rubber bases are included as indicated on the finish schedule and as follows:
 - a. At all vinyl tile floors.
 - b. At all exposed concrete floors/seal concrete floors.
 - c. At all traffic coating floors.
 - d. At all fixed casework and cabinets.
7. All rubber treads and risers at all steps as required.
8. Furnish and Install all Resilient Tile, feature strips, borders and patterns, and accessories including:
 - a. All adhesives, primers, sealers, epoxy fillers, miscellaneous accessories, etc.
 - b. All edge strips, transition strips, primers, sealers, reducer strips, etc.
9. This subcontractor is responsible for the protection of his work.
10. Subcontractor responsible to carry 2% extra material for repairs (Owner's attic stock NOT TO BE USED FOR REPAIRS).
11. This package shall include a \$5,000 allowance for repair of unidentifiable damage to resilient flooring / carpet. This shall be broken out as a separate line item on SOV for tracking by CMAR. All savings will be deducted as a change order back to the Construction Manager at the end of the project.

Bid Package #: 0960

RESILIENT FLOORING & CARPET

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Initial Here _____

12. Provide all minor floor patching, floor leveling, filling of control/expansion joints and cracks, and floor preparations per specifications and as recommended by the manufacturer, including floor sanding, floor scarifying, preparatory cleaning, slab moisture testing as required, slab alkalinity conditions testing, concrete slab, and substrate primers, etc. The subcontractor is responsible for obtaining the Architect's acceptance of all floor preparatory work before installing flooring under this agreement.
13. The subcontractor acknowledges new flooring will be installed over concrete slab substrate installed per tolerances specified in specifications. The subcontractor has included any additional minor floor patching and leveling required prior to resilient installations under this section to meet the Architect's and manufacturer's acceptance. The number of bags anticipated for floor patching and/or leveling shall be included in the bid amount, **along with a price/bag installed for conditions deemed in excess of standard prep. Failure to provide the above-mentioned bid pricing may result in the denial of proposed change order pricing for additional or unforeseen floor patching after the fact.**
14. This subcontractor shall notify the Construction Manager in writing twenty-one (21) days prior to the Subcontractor's installation date of all unacceptable substrate conditions. Failure of meeting the 21-day requirement prior to 21 days before the scheduled start date shall be considered a breach of schedule if deficiencies delay installation.
15. This subcontractor must coordinate with concrete (slab-on-grade subcontractor) regarding floor levelness, attend slab-on-grade pre-pour meetings, and review/discuss floor finish and other requirements and coordination issues.
16. Provide all required mock-ups of work for Owner/Architect acceptance. The subcontractor is responsible for obtaining the Architect's approval/verification of all pattern/color layouts shown on the Contract Drawings before beginning installation.
17. Provide all **extra materials for Owner** to Construction Manager in unopened containers/packages **prior to beginning work**. All attic stock shall be palletted and transmitted to Contractor for signature. Subcontractor shall locate materials in a location (or locations) determined by Owner/ Construction Manager.
18. The scope of Work includes ventilation, sweeping compounds, vacuuming systems, etc., to limit the amount of airborne dust during floor preparatory operations so as not to soil existing wall finishes, windows, light fixtures, building mechanical ventilation systems, etc.
19. This Subcontractor is responsible for notifying the Construction Manager and Mechanical Contractor to shut down the building ventilation systems in work areas where airborne dust is generated while performing work under this agreement to avoid soil in mechanical systems.
20. Daily cleanup and disposal of packaging material and scrap materials to an on-site dumpster provided by others is included.
21. Field verification for humidity and temperature control is included, and any noted deficiencies shall be submitted to the Construction Manager in writing at least twenty-one (21) days before the start of work. Failure to meet the 21-day requirement before 21 days before the scheduled start date shall be considered a breach of schedule if deficiencies delay installation.
22. This subcontractor to provide any testing, mitigation / remediation due to high moisture in concrete. The Subcontractor shall maintain all warranties for material and workmanship.
23. This subcontractor verifies that the product specified for the curing and sealing of concrete slabs will not compromise the performance of the specified adhesive.
24. This subcontractor is responsible for any ventilation fan or other approved method necessary to perform installations and curing of work installed under this agreement.

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RESILIENT FLOORING & CARPET

25. This subcontractor is required to provide all task lighting as required to perform their scope of work.
26. This subcontractor is responsible for the layout of all work. The subcontractor shall bring to the Architect's attention any layout concerns regarding equal borders of installation, squareness of room, etc. and specification layout requirements prior to installing floor.
27. Off-site storage, Unloading, and distribution of materials is the responsibility of this Subcontractor. On-site storage of materials delivered out of sequence will not be allowed.
28. Subcontractor to provide all final cleaning of all systems under this agreement upon 100% complete installation, including punch lists, removal of glue, damp mopping, stripping, waxing (multiple times), and polishing as required in the specifications.
29. If this subcontractor requires access to work areas, the removal and reinstallation of doors, thresholds, etc., for flooring installation is included.
30. This subcontractor is responsible for all flooring leveling for their scope of work.
31. This subcontractor is responsible for prepping new and existing floors to allow new flooring to be installed for their scope of work.
32. This subcontractor is responsible for protecting finished painted walls, doors, cabinets, etc. from damage during installation of flooring.
33. Cover floor and wall tile with Ram Board upon completion of tile cleaning for protection.
34. Cover floor with Ram Board upon completion of installation and cleaning for protection of work performed in this scope of work. (Addendum 1)

G. DESCRIPTION OF SCOPE EXCLUSIONS

The following is a complete and exhaustive list of exclusions from the Scope of Work:

1. NONE

**BID PACKAGE #0964
ATHLETIC FLOORING
(SCOPE OF WORK)
(Addendum 1)**

The Scope of Work shall include the furnishing of a complete **ATHLETIC FLOORING PACKAGE**. This shall include, but is not limited to all required: labor, fabrication, engineering, submittals, shop drawings, materials, equipment, tools, supervision, hoisting, scaffolding, and transportation as required for a complete scope of work.

DESCRIPTION OF SCOPE INCLUSIONS

The following is a non-exhaustive list of inclusions and is not intended to limit the work in any way.

A. CONTRACT DOCUMENTS:

All work shall be performed in accordance with Contract Documents.

- All plans and specifications
- All scope of work requirements
- All contract requirements

B. BONDING REQUIREMENTS:

Each bidder quoting a sum greater than **\$300,000** shall have a 10% Bid Bond accompanying their bid as well as a Payment and Performance Bond included in their price. Additionally, all Bonds required shall be furnished per the Subcontract Agreement provided in the Bid Manual.

C. SUBMITTAL REQUIREMENTS:

Collaborative File Sharing - Subcontractor shall be responsible for the uploading of all required submittals to a file sharing program (Procore). Notifications will be sent when submittals are reviewed. It is the subcontractor's responsibility to track the approval process and proceed as directed in the submittal by the due date stated in Procore.

Samples – Descriptions of samples shall be uploaded to the site for record purposes. "Hard" samples are still required per the plans/specifications.

At the time of submittals Subcontractor shall clearly identify to the Construction's Manager and Architect's attention, **any deviations from the Contract Documents**. This Subcontractor's responsibility to the Contract Documents is not relieved by the Architect or Construction Manager's review unless there is **written acceptance of the specific deviations**. Subcontractor is responsible for submitting and expediting approval of any submittal requirements through a jurisdictional agency, if applicable.

Subcontractor is to deliver all required Reports and bid documents to Construction Manager within 14 calendar days from date of Notice of Award. NO payment shall be made to subcontractor without all subcontractors' documents submitted. Provide signed and sealed engineered shop drawings as specified by a licensed and registered Engineer.

Any required re-submittals, record submittals, and/or field drawings shall be forwarded to Construction Manager within seven (7) days of initial submittal return to Subcontractor. **Failure of this Subcontractor to submit correct or timely submittals does not relieve said Subcontractor of material delivery obligations in accordance with the Project Schedule.** Subcontractor shall allow a minimum of twenty-eight (28) calendar days of Construction Manager -Architect review duration. No material substitutions will be approved by Construction Manager unless Subcontractor can obtain Owner-Architect approval for such substitutions at no additional cost to Construction Manager and without delaying project schedule.

D. STANDARD SCOPE INCLUSIONS:

The items listed below are specifically included and are for clarification purposes only. They shall not be construed as a complete list of all work. It is the intent of this to clarify subcontract issues. If conflicts are discovered between this and the Subcontract General Terms, then the Subcontract General Terms shall govern.

1. Provide a full-time, competent, and English-speaking Superintendent onsite at all times while this subcontractor's work is being performed to coordinate the work of this project. The competent person on site must be OSHA 30 certified. Failure to provide a competent person on site will result in the CM not allowing the subcontractor to work on site.
2. Metcon intends to use GCPay which is a third party pay application service that simplifies the application for payment processes between Metcon and our subcontractors by automating the payment application process. At no cost to our subcontractors, GCPay provides an automated information exchange for lien waivers and all compliance documents. This platform saves time and improves subcontractor communication by keeping them informed throughout the process of potential issues needing immediate attention.
3. The subcontractor has reviewed specification SECTION 01 22 00 – UNIT PRICES. All required unit pricing for this scope of work has been acknowledged and included in the bid form.
4. The subcontractor has reviewed specification SECTION 01 23 00 – ALTERNATES. All required pricing for alternates for this scope of work has been acknowledged and included in the bid form. If alternates are selected, they are selected in their entirety. All documents have been fully evaluated for alternative work.
5. As required, the subcontractor shall design, provide, and engineer crane subsurface/pads in accordance with project specifications and load requirements. The subcontractor shall ensure that all crane operations are structurally sound at no additional cost to the CM.
6. Verify all substrate conditions and notify the Construction Manager twenty-one (21) days prior to the start of work of any deficiencies in substrate prohibiting the start of work under this agreement.
7. All subcontractor employees must have access to a tablet with Procore access for use on this project. This tablet shall be an iPad Pro generation 3 or newer with cellular connectivity or comparable in specs and capabilities.
8. This subcontractor will not use or allow the building's drainage systems to clean debris or dispose of waste materials. If any drainage systems are clogged or obstructed by this subcontractor's materials, this subcontractor will reimburse the Contractor for the repair cost plus a mark-up.

9. This subcontractor is responsible for requesting any additional information, instructions and/or clarifications required to complete the work. The subcontractor will request such information from the Design team in writing as a Request for information (RFI) through the file-sharing program Procore. Requests for such information shall be made in advance to avoid any delay in the work.
10. This subcontractor is responsible for receiving, unloading, inventorying, storing, and coordinating this subcontractor's work. **All deliveries, hoisting, and storage of materials will be coordinated and scheduled with CM. Any deliveries not scheduled will not be allowed on site.** Material and equipment deliveries must be coordinated "just in time." Material and equipment storage on site must not exceed five (5) workdays. Once materials and/or equipment are moved inside the building, it must be installed within five (5) workdays. This subcontractor must utilize its own equipment to unload material.
11. This subcontractor is responsible for its own traffic control/flag man for any hauling operation in or out of the project site. All traffic control personnel shall be NCDOT certified. Reference the Logistics Plan indicating the crossing and use of active public roadways.
12. This subcontractor is responsible for erecting its own scaffolding, working platforms, material handling, storage, lifting & hoisting as required to perform the work under this scope.
13. This subcontractor is responsible for maintaining streets and parking lots in clean condition for their scope of work.
14. This subcontractor is responsible for all temporary safety measures to meet OSHA and Metcon's safety standards pertaining to your scope of work. See Exhibit J for more details.
15. The subcontractor has reviewed all drawings, documents, appendices, and specifications for this project and has found no obvious omissions and further agrees that the work of this agreement and the project can be constructed within the milestones and completion dates agreed upon without claims for delays or costs implications unless substantial Owner directed Scope changes occur.
16. Within **10** days of receipt of the contract, this subcontractor is required to issue a manpower count for each section/activity of their scope of work to meet the schedule requirements. Metcon will review and approve the proposed manpower counts before commencing this work. Metcon, Owner, Architect, & Consultants will constantly track the manpower for each activity to ensure compliance with the schedule and the forecasted status of the project, which will measure performance. If the subcontractor has low productivity/performance, resulting in schedule delays, this subcontractor will increase its manpower at Metcon's, Owner's, and/or Architect's request. Pay applications may be delayed until compliance has been satisfied.
17. In the event of inclement weather, this subcontractor is responsible for securing and protecting all their materials and work in place.
18. This subcontractor shall conduct pursuant to N.C. Gen. Stat. § 115C-332.1, an annual check of each of its employees, and contractual employees, consultants, agents, and other representatives on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry if such employee, subcontractor, agent, or other representative will be on the Project site or other school property as part of his or her job. The CM shall conduct this check on each of its employees, consultants, agents, and other representatives prior to permitting such employee, consultant, agent or other representative to enter the Project site or other school property to perform work under this agreement. For the Construction Manager's convenience only, all the required registry checks may be completed at no cost by accessing the United States Department of Justice Sex Offender Public Registry at <http://www.nsopw.gov>. No person shall be permitted to enter the Project site or other school property to perform work under this agreement if that person is listed on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and/or the National Sex Offender Registry.

19. This subcontractor must thoroughly examine all drawings to recognize and include elements within their area of responsibility. This subcontractor is required to review all project drawings and specs. This subcontractor will have an opportunity to ask questions about design intent before bidding; after the bid and award of the package, the subcontractor will utilize the most stringent design. The design utilized shall be in the best interest of the Owner.
20. Parking at and around the site will be limited. Please see the Logistics Plan for more information.
21. The subcontractor shall only remove temporary construction fences, safety control devices, or sediment control devices with advanced approval from the construction manager. In the event that removal is required, the subcontractor shall reinstall it in the same condition or better.
22. This subcontractor will abide by local noise ordinances as required.
23. All non-compliance items or punch lists brought to the subcontractor's attention in Procore must be corrected and "ready for review" within 5 working days of initiation by the Construction Manager.
24. A weekly job site cleanup will occur. Each subcontractor must contribute one laborer per five onsite workers for four (4) hours, to be used at the Construction Manager's discretion.
25. All subcontractors will adhere to a work week consisting of five (5) days per week, ten (10) hour days, fifty-two (52) weeks per year, with standardized starting and quitting timed 7 am to 5:30 pm regardless of external influences (such as driving distance, subcontractor's company policies, or personal preference.) No subcontractor will be allowed to work a four (4) day work week.
26. Under no circumstances is the subcontractor permitted to work without a construction manager's representative on site.
27. Protection of work in place: This subcontractor shall provide and maintain protection of all adjacent property and other subcontractor's work, materials, tools, and equipment from damage resulting from this subcontractor's activities. This subcontractor is responsible for the cost of repairing or replacing any items damaged by its employees, its lower-tier subcontractors, or its suppliers, including damage caused during stocking or hoisting.
28. In addition to any Owner site requirements, eating and drinking shall be prohibited within the building or as otherwise determined by the Construction Manager. Subcontractor violators will be removed from the project site. Smoking or other tobacco products will not be allowed on site. Anyone violating this policy will be removed from the site permanently.
29. No visitors shall be admitted to the job site by the subcontractor without first obtaining the approval of the Construction Manager and having completed the site-specific job site orientation. This subcontractor will confirm and/or provide all their visitors with the site-required personal protection equipment.
30. No photographs or videos (including drone videos) of the project may be taken without the construction manager's and owner's prior approval. All persons approved to take photographs/videos must attend training and will be provided with credentials.
31. All schedule of values shall be uploaded to GC Pay within ten (10) days of the letter of intent being awarded. All subcontractors' SOVs shall include the following standard items: mobilization, submittals, weekly composite cleanup, punch list, and project closeout. Material and labor shall be broken out as separate lines and further broken out to match the unit/phasing established in the project schedule. Schedule of values must be approved by Construction Manager prior to this subcontractor's first pay application. Construction manager requires a minimum of twenty (20) days to review the Schedule of Values
32. Attached to the Bid manual is a sample of Metcon's standard contract. This subcontractor is required to review and accept it in its entirety.

33. Weekend work might be necessary to meet the project schedule, which must be coordinated with the Construction Manager if required. The construction manager will not allow weekend work if the subcontractors are not already working the full number of job site hours with full crews. This means that if you are working less than Monday through Friday, 7 am -5:30 pm, the site will not be open on the weekend unless excusable inclement weather determined by the CM occurs during the week. There will be no issue with opening the site as much as necessary to facilitate subcontractors who are trying to meet the scheduled responsibilities by working the total amount of open hours.
34. Based on the scope of work, subcontractor understands that multiple mobilizations will be required to complete the work.
35. The construction manager reserves the right to add a fifteen (15) percent mark-up to all back charges that the construction manager facilitates. If back charges are resolved without the involvement of the Construction Manager, no mark-up will be applied.
36. Time and Material tickets must be approved by the Construction Manager's superintendent within 24 hours of work commencing. Invoices associated with time and material tickets must be submitted to the Construction Manager's Project Manager within thirty (30) days of work commencing. All invoices must reference a "CE number" assigned by the CM. Invoices not referencing a "CE number" will be returned and not processed.
37. Pull planning will be implemented on this project. The weekly "Plan Percent Complete Report" will be sent to the subcontractor's representative to provide tangible value to the subcontractor's progress. The subcontractor is required to use the pull planning process to identify all constraints that may impede their progress. Constraints not identified and documented within a reasonable time for rectification will not be considered valid reasons for schedule adjustments. The subcontractor is expected to follow the Pull Plan Schedule, which should enhance and supersede the contract schedule.
38. For the Submittal of pay applications, subcontractor is required to use GC Pay at no cost to the subcontractor.
39. All required site safety documentation must be submitted in Procore 30 days after issuing the letter of intent. This is to include the following:
 - a. Executed the Partnership Form for the subcontractor safety and health incident prevention program.
 - b. Subcontractors' specific site job hazard analysis (JHA), detailing your scope of work, the hazards associated with each task, and how they will be abated.
 - c. Trades whose work scope includes steel erection, pre-cast, demo, and roofing shall provide a written site safety plan.
 - d. Provide OSHA 300 & 300A logs for the last three years.
 - e. A written hazard communication program safety data sheet (SDS)
 - f. A written safety plan for the revised silica dust respiratory plan (if applicable) is needed.
 - g. A written ground fault protection program.
 - h. Exhibit J returned with pages initialed.
 - i. All site-specific personnel documentation will be required to be submitted two weeks before this scope of work begins.
 - j. Failure to comply with this documentation will result in a delayed start in this subcontractor's mobilization. This may include withholding mobilization costs in pay applications until this subcontractor complies. No additional cost or time will be considered due to any acceleration required.

40. Survey points will be provided for general locational purposes. These will not be given in every single room. To complete this work scope, each subcontractor must transfer the general area survey points accurately as needed. The location of these general survey points is at the discretion of the Construction Manager.
41. The construction manager has the authority to recommend withholding pay applications from any subcontractor due to poor work quality. If this situation arises, the subcontractor will be notified in writing (72 hours' notice) that their work quality is unsatisfactory and requires remediation. The subcontractor must then submit a written remediation plan detailing how they will improve the quality of their work. Once the plan has been implemented and the work quality has been improved, the subcontractor may resubmit their pay application for the owner's approval. Any active unresolved 72-hour notices may result in the CM withholding the pay application for this subcontractor.
42. The subcontractor is required to utilize a robotic total station (similar to that offered by Hilti, Trimble, or Leica) for layout, backchecking, verification before installation, and documenting as-built conditions.
 - a. The construction manager can provide equipment and a robotic total station operator for \$175/hr with at least 48hr notice. A competent layout representative from this subcontractor must accompany the layout crew.
 - b. Failure to use the robotic total station will result in a stop work order with no added time to the schedule until the subcontractor complies. No added cost associated with acceleration will be accepted.
 - c. This subcontractor shall be solely responsible for the correct layout, which cannot be delegated or assigned.
43. Please see the table below for all required meetings.
 - a. Without exception, this Subcontractor's Project Manager and/or Superintendent must attend the weekly coordination/subcontractor meetings in person two weeks before starting work and while performing the scope of work.
 - b. This subcontractor is required to participate in pull planning sessions actively. These sessions are in-person and onsite, with no exceptions. These will occur bi-weekly at the discretion of the CM. Each day, the progress will be reviewed in the "Daily Forman's Huddle".
 - c. Failure to have the proper representative at any onsite meeting will constitute a safety violation of "competent person not on site.". Refer to Exhibit J for more information.

Meeting Titles	Frequency	Required Attendees	Location
Pre-Install	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Safe Start	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Daily Foreman Huddle	Daily	Superintendent & Foreman/Competent Person	On Site - CM Trailer
Weekly Subcontractor Coordination	Weekly	Superintendent & Project Manager	On Site - CM Trailer
Pull Plan Initial Set-Up	As required	Superintendent & Project Manager	Remote / On Site
Pull Plan Updates	Bi-Weekly	Superintendent & Project Manager	On Site - CM Trailer
Jobsite Safety Standdown	Weekly	Everyone on site	On Site - CM Trailer
BIM Coordination	Weekly	MEP Trades BIM Managers	Remote

E. SCOPE OF WORK SPECIFICATIONS

The following outlines the scope of work specifications sections relevant to the work to be performed. This list represents the core specifications that will guide the tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional specifications and related sections that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. SECTION 09 64 66 - WOOD ATHLETIC FLOORING

F. PROJECT SPECIFIC SCOPE REQUIREMENTS:

The following outlines the project-specific scope requirements of the work to be performed. This list represents the core tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional tasks and responsibilities that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. Provide all minor floor patching, floor leveling, filling of control/expansion joints and cracks, and floor preparations per specifications and as recommended by the manufacturer, including floor sanding, floor scarifying, preparatory cleaning, slab moisture testing, slab alkalinity conditions testing, concrete slab, and substrate primers, etc. The subcontractor is responsible for obtaining the Architect's acceptance of all floor preparatory work prior to the installation of flooring under this agreement.
2. The subcontractor acknowledges that new flooring will be installed over a concrete slab substrate installed per tolerances specified under specification section 033000. The subcontractor has included any additional minor floor patching and leveling required prior to installations under this section to meet the Architect's and manufacturer's acceptance.
3. Provide all required mock-ups of work for Owner/Architect acceptance. Subcontractor is responsible for obtaining Architect's approval/verification of all pattern/color layouts shown on Contract Drawings prior to beginning installation.
4. Provide all 'Extra Materials for Owner' to Construction Manager in unopened containers/packages to Construction Managers prior to beginning work. All attic stock shall be palletized and transmitted to Construction Managers for signature. Subcontractor shall locate materials in a location (or locations) determined by Owner/Contractor.
5. Scope of Work includes ventilation, sweeping compounds, vacuuming systems, etc. to limit the amount of airborne dust during floor preparatory operations as not to soil existing wall finishes, windows, light fixtures, building mechanical ventilation systems, etc.
6. This subcontractor shall be responsible for cleaning any material damaged or soiled by dust.
7. It is the responsibility of this Subcontractor to notify the Contractor and Mechanical Contractor in writing to shut down the building ventilation systems in work areas where airborne dust is generated while performing work under this agreement to avoid soil in mechanical systems.
8. Field verification for humidity control and temperature control are included, and any noted deficiencies shall be submitted to Contractor in writing at a minimum twenty-one (21) days prior to start of work.
9. The subcontractor shall assume that the concrete substrate will not meet the minimum moisture content allowable by the flooring manufacturer and the specifications. A plastic barrier, overlapped and taped, shall be provided by this subcontractor as specified when moisture content is higher than allowed.
10. This subcontractor to include moisture testing IF required for your scope of work.

11. This subcontractor is responsible for any ventilation fan or other approved method as necessary to perform installations and curing of work installed under this agreement.
12. This subcontractor is responsible for coordination of floor outlets, basketball/volleyball equipment insets, etc. with appropriate subcontractor for complete flooring installation.
13. Layout of all work from the Contractor's single horizontal and vertical control point.
14. All color selections shall be per Contract Documents and per Architect's approved submittal samples for all products furnished under this section.
15. Furnish and install all Athletic wood flooring, including all associated base, transition strips, adhesives, subflooring, resilient pads, seaming cement, primers, miscellaneous accessories, etc.
16. The subcontractor shall be responsible for any miscellaneous patching, and all additional mobilizations to complete the scope of work (accepted by the Architect and Owner) shall be included.
17. All floor preparation, including but not limited to floor leveling, removal of floor coating such as curing compound, etc., is included in this Agreement.
18. This subcontractor to provide all final cleaning of all systems under this agreement upon 100% complete installation including punch lists, removal of glue, vacuuming, etc.
19. Protection of this work is included during installation period and shall be resistant to traffic and weather damage so as not to stain, scar, or damage installed products in any way. Installation and removal of any required temporary signage, barricades, taping, etc. is also included.
20. This subcontractor shall apply the final floor finish where applicable.
21. Provide replacement materials and labor for unidentifiable damage – 5% of total project square footage.
22. This subcontractor is responsible for all floor protection (RAM board) to protect the work under this scope.
23. **Wood Strip Flooring** as per the specification Section, including but not limited to:
 - a. Subcontractor shall include painted game lines on the sports flooring as shown on the Contract Drawings. This is to include markings to provide NCHSAA (North Carolina High School Athletic Association) compliant basketball and volleyball court lines.
 - b. Subcontractor shall include a logo for the center court. The owner/architect will choose the design and colors.
 - c. Modification of "Center court line/Jump line" shall be implemented in case of full center court graphic. Dashed/faded lines shall be used in this case.
 - d. This subcontractor shall be responsible for all wall base, threshold transitions, and caulking related to this scope of work.
 - e. Subcontractor is responsible for providing their own power/generator for installation equipment.
 - f. The subcontractor is responsible for additional support under retractable bleacher motor locations. Plan and Field coordination are required.

G. DESCRIPTION OF SCOPE EXCLUSIONS

The following is a complete and exhaustive list of exclusions from the Scope of Work:

1. NONE

**BID PACKAGE #0967
EPOXY FLOORING
(SCOPE OF WORK)**

The Scope of Work shall include the furnishing of a complete **EPOXY FLOORING PACKAGE**. This shall include, but is not limited to all required: labor, fabrication, engineering, submittals, shop drawings, materials, equipment, tools, supervision, hoisting, scaffolding, and transportation as required for a complete scope of work.

DESCRIPTION OF SCOPE INCLUSIONS

The following is a non-exhaustive list of inclusions and is not intended to limit the work in any way.

A. CONTRACT DOCUMENTS:

All work shall be performed in accordance with Contract Documents.

- All plans and specifications
- All scope of work requirements
- All contract requirements

B. BONDING REQUIREMENTS:

Each bidder quoting a sum greater than ~~\$100,000~~ \$300,000 (Addendum 1) shall have a 10% Bid Bond accompanying their bid as well as a Payment and Performance Bond included in their price. Additionally, all Bonds required shall be furnished per the Subcontract Agreement provided in the Bid Manual.

C. SUBMITTAL REQUIREMENTS:

Collaborative File Sharing - Subcontractor shall be responsible for the uploading of all required submittals to a file sharing program (Procore). Notifications will be sent when submittals are reviewed. It is the subcontractor's responsibility to track the approval process and proceed as directed in the submittal by the due date stated in Procore.

Samples – Descriptions of samples shall be uploaded to the site for record purposes. "Hard" samples are still required per the plans/specifications.

At the time of submittals Subcontractor shall clearly identify to the Construction's Manager and Architect's attention, **any deviations from the Contract Documents**. This Subcontractor's responsibility to the Contract Documents is not relieved by the Architect or Construction Manager's review unless there is **written acceptance of the specific deviations**. Subcontractor is responsible for submitting and expediting approval of any submittal requirements through a jurisdictional agency, if applicable.

Subcontractor is to deliver all required Reports and bid documents to Construction Manager within 14 calendar days from date of Notice of Award. NO payment shall be made to subcontractor without all subcontractors' documents submitted. Provide signed and sealed engineered shop drawings as specified by a licensed and registered Engineer.

Any required re-submittals, record submittals, and/or field drawings shall be forwarded to Construction Manager within seven (7) days of initial submittal return to Subcontractor. **Failure of this Subcontractor to submit correct or timely submittals does not relieve said Subcontractor of material delivery obligations in accordance with the Project Schedule.** Subcontractor shall allow a minimum of twenty-eight (28) calendar days of Construction Manager -Architect review duration. No material substitutions will be approved by Construction Manager unless Subcontractor can obtain Owner-Architect approval for such substitutions at no additional cost to Construction Manager and without delaying project schedule.

D. STANDARD SCOPE INCLUSIONS:

The items listed below are specifically included and are for clarification purposes only. They shall not be construed as a complete list of all work. It is the intent of this to clarify subcontract issues. If conflicts are discovered between this and the Subcontract General Terms, then the Subcontract General Terms shall govern.

1. Provide a full-time, competent, and English-speaking Superintendent onsite at all times while this subcontractor's work is being performed to coordinate the work of this project. The competent person on site must be OSHA 30 certified. Failure to provide a competent person on site will result in the CM not allowing the subcontractor to work on site.
2. Metcon intends to use GCPay which is a third party pay application service that simplifies the application for payment processes between Metcon and our subcontractors by automating the payment application process. At no cost to our subcontractors, GCPay provides an automated information exchange for lien waivers and all compliance documents. This platform saves time and improves subcontractor communication by keeping them informed throughout the process of potential issues needing immediate attention.
3. The subcontractor has reviewed specification SECTION 01 22 00 – UNIT PRICES. All required unit pricing for this scope of work has been acknowledged and included in the bid form.
4. The subcontractor has reviewed specification SECTION 01 23 00 – ALTERNATES. All required pricing for alternates for this scope of work has been acknowledged and included in the bid form. If alternates are selected, they are selected in their entirety. All documents have been fully evaluated for alternative work.
5. As required, the subcontractor shall design, provide, and engineer crane subsurface/pads in accordance with project specifications and load requirements. The subcontractor shall ensure that all crane operations are structurally sound at no additional cost to the CM.
6. Verify all substrate conditions and notify the Construction Manager twenty-one (21) days prior to the start of work of any deficiencies in substrate prohibiting the start of work under this agreement.
7. All subcontractor employees must have access to a tablet with Procore access for use on this project. This tablet shall be an iPad Pro generation 3 or newer with cellular connectivity or comparable in specs and capabilities.
8. This subcontractor will not use or allow the building's drainage systems to clean debris or dispose of waste materials. If any drainage systems are clogged or obstructed by this subcontractor's materials, this subcontractor will reimburse the Contractor for the repair cost plus a mark-up.

9. This subcontractor is responsible for requesting any additional information, instructions and/or clarifications required to complete the work. The subcontractor will request such information from the Design team in writing as a Request for information (RFI) through the file-sharing program Procore. Requests for such information shall be made in advance to avoid any delay in the work.
10. This subcontractor is responsible for receiving, unloading, inventorying, storing, and coordinating this subcontractor's work. **All deliveries, hoisting, and storage of materials will be coordinated and scheduled with CM. Any deliveries not scheduled will not be allowed on site.** Material and equipment deliveries must be coordinated "just in time." Material and equipment storage on site must not exceed five (5) workdays. Once materials and/or equipment are moved inside the building, it must be installed within five (5) workdays. This subcontractor must utilize its own equipment to unload material.
11. This subcontractor is responsible for its own traffic control/flag man for any hauling operation in or out of the project site. All traffic control personnel shall be NCDOT certified. Reference the Logistics Plan indicating the crossing and use of active public roadways.
12. This subcontractor is responsible for erecting its own scaffolding, working platforms, material handling, storage, lifting & hoisting as required to perform the work under this scope.
13. This subcontractor is responsible for maintaining streets and parking lots in clean condition for their scope of work.
14. This subcontractor is responsible for all temporary safety measures to meet OSHA and Metcon's safety standards pertaining to your scope of work. See Exhibit J for more details.
15. The subcontractor has reviewed all drawings, documents, appendices, and specifications for this project and has found no obvious omissions and further agrees that the work of this agreement and the project can be constructed within the milestones and completion dates agreed upon without claims for delays or costs implications unless substantial Owner directed Scope changes occur.
16. Within **10** days of receipt of the contract, this subcontractor is required to issue a manpower count for each section/activity of their scope of work to meet the schedule requirements. Metcon will review and approve the proposed manpower counts before commencing this work. Metcon, Owner, Architect, & Consultants will constantly track the manpower for each activity to ensure compliance with the schedule and the forecasted status of the project, which will measure performance. If the subcontractor has low productivity/performance, resulting in schedule delays, this subcontractor will increase its manpower at Metcon's, Owner's, and/or Architect's request. Pay applications may be delayed until compliance has been satisfied.
17. In the event of inclement weather, this subcontractor is responsible for securing and protecting all their materials and work in place.
18. This subcontractor shall conduct pursuant to N.C. Gen. Stat. § 115C-332.1, an annual check of each of its employees, and contractual employees, consultants, agents, and other representatives on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry if such employee, subcontractor, agent, or other representative will be on the Project site or other school property as part of his or her job. The CM shall conduct this check on each of its employees, consultants, agents, and other representatives prior to permitting such employee, consultant, agent or other representative to enter the Project site or other school property to perform work under this agreement. For the Construction Manager's convenience only, all the required registry checks may be completed at no cost by accessing the United States Department of Justice Sex Offender Public Registry at <http://www.nsopw.gov>. No person shall be permitted to enter the Project site or other school property to perform work under this agreement if that person is listed on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and/or the National Sex Offender Registry.

19. This subcontractor must thoroughly examine all drawings to recognize and include elements within their area of responsibility. This subcontractor is required to review all project drawings and specs. This subcontractor will have an opportunity to ask questions about design intent before bidding; after the bid and award of the package, the subcontractor will utilize the most stringent design. The design utilized shall be in the best interest of the Owner.
20. Parking at and around the site will be limited. Please see the Logistics Plan for more information.
21. The subcontractor shall only remove temporary construction fences, safety control devices, or sediment control devices with advanced approval from the construction manager. In the event that removal is required, the subcontractor shall reinstall it in the same condition or better.
22. This subcontractor will abide by local noise ordinances as required.
23. All non-compliance items or punch lists brought to the subcontractor's attention in Procore must be corrected and "ready for review" within 5 working days of initiation by the Construction Manager.
24. A weekly job site cleanup will occur. Each subcontractor must contribute one laborer per five onsite workers for four (4) hours, to be used at the Construction Manager's discretion.
25. All subcontractors will adhere to a work week consisting of five (5) days per week, ten (10) hour days, fifty-two (52) weeks per year, with standardized starting and quitting times 7 am to 5:30 pm regardless of external influences (such as driving distance, subcontractor's company policies, or personal preference.) No subcontractor will be allowed to work a four (4) day work week.
26. Under no circumstances is the subcontractor permitted to work without a construction manager's representative on site.
27. Protection of work in place: This subcontractor shall provide and maintain protection of all adjacent property and other subcontractor's work, materials, tools, and equipment from damage resulting from this subcontractor's activities. This subcontractor is responsible for the cost of repairing or replacing any items damaged by its employees, its lower-tier subcontractors, or its suppliers, including damage caused during stocking or hoisting.
28. In addition to any Owner site requirements, eating and drinking shall be prohibited within the building or as otherwise determined by the Construction Manager. Subcontractor violators will be removed from the project site. Smoking or other tobacco products will not be allowed on site. Anyone violating this policy will be removed from the site permanently.
29. No visitors shall be admitted to the job site by the subcontractor without first obtaining the approval of the Construction Manager and having completed the site-specific job site orientation. This subcontractor will confirm and/or provide all their visitors with the site-required personal protection equipment.
30. No photographs or videos (including drone videos) of the project may be taken without the construction manager's and owner's prior approval. All persons approved to take photographs/videos must attend training and will be provided with credentials.
31. All schedule of values shall be uploaded to GC Pay within ten (10) days of the letter of intent being awarded. All subcontractors' SOVs shall include the following standard items: mobilization, submittals, weekly composite cleanup, punch list, and project closeout. Material and labor shall be broken out as separate lines and further broken out to match the unit/phasing established in the project schedule. Schedule of values must be approved by Construction Manager prior to this subcontractor's first pay application. Construction manager requires a minimum of twenty (20) days to review the Schedule of Values.
32. Attached to the Bid manual is a sample of Metcon's standard contract. This subcontractor is required to review and accept it in its entirety.

33. Weekend work might be necessary to meet the project schedule, which must be coordinated with the Construction Manager if required. The construction manager will not allow weekend work if the subcontractors are not already working the full number of job site hours with full crews. This means that if you are working less than Monday through Friday, 7 am -5:30 pm, the site will not be open on the weekend unless excusable inclement weather determined by the CM occurs during the week. There will be no issue with opening the site as much as necessary to facilitate subcontractors who are trying to meet the scheduled responsibilities by working the total amount of open hours.
34. Based on the scope of work, subcontractor understands that multiple mobilizations will be required to complete the work.
35. The construction manager reserves the right to add a fifteen (15) percent mark-up to all back charges that the construction manager facilitates. If back charges are resolved without the involvement of the Construction Manager, no mark-up will be applied.
36. Time and Material tickets must be approved by the Construction Manager's superintendent within 24 hours of work commencing. Invoices associated with time and material tickets must be submitted to the Construction Manager's Project Manager within thirty (30) days of work commencing. All invoices must reference a "CE number" assigned by the CM. Invoices not referencing a "CE number" will be returned and not processed.
37. Pull planning will be implemented on this project. The weekly "Plan Percent Complete Report" will be sent to the subcontractor's representative to provide tangible value to the subcontractor's progress. The subcontractor is required to use the pull planning process to identify all constraints that may impede their progress. Constraints not identified and documented within a reasonable time for rectification will not be considered valid reasons for schedule adjustments. The subcontractor is expected to follow the Pull Plan Schedule, which should enhance and supersede the contract schedule.
38. For the Submittal of pay applications, subcontractor is required to use GC Pay at no cost to the subcontractor.
39. All required site safety documentation must be submitted in Procore 30 days after issuing the letter of intent. This is to include the following:
 - a. Executed the Partnership Form for the subcontractor safety and health incident prevention program.
 - b. Subcontractors' specific site job hazard analysis (JHA), detailing your scope of work, the hazards associated with each task, and how they will be abated.
 - c. Trades whose work scope includes steel erection, pre-cast, demo, and roofing shall provide a written site safety plan.
 - d. Provide OSHA 300 & 300A logs for the last three years.
 - e. A written hazard communication program safety data sheet (SDS)
 - f. A written safety plan for the revised silica dust respiratory plan (if applicable) is needed.
 - g. A written ground fault protection program.
 - h. Exhibit J returned with pages initialed.
 - i. All site-specific personnel documentation will be required to be submitted two weeks before this scope of work begins.
 - j. Failure to comply with this documentation will result in a delayed start in this subcontractor's mobilization. This may include withholding mobilization costs in pay applications until this subcontractor complies. No additional cost or time will be considered due to any acceleration required.

40. Survey points will be provided for general locational purposes. These will not be given in every single room. To complete this work scope, each subcontractor must transfer the general area survey points accurately as needed. The location of these general survey points is at the discretion of the Construction Manager.
41. The construction manager has the authority to recommend withholding pay applications from any subcontractor due to poor work quality. If this situation arises, the subcontractor will be notified in writing (72 hours' notice) that their work quality is unsatisfactory and requires remediation. The subcontractor must then submit a written remediation plan detailing how they will improve the quality of their work. Once the plan has been implemented and the work quality has been improved, the subcontractor may resubmit their pay application for the owner's approval. Any active unresolved 72-hour notices may result in the CM withholding the pay application for this subcontractor.
42. The subcontractor is required to utilize a robotic total station (similar to that offered by Hilti, Trimble, or Leica) for layout, backchecking, verification before installation, and documenting as-built conditions.
- The construction manager can provide equipment and a robotic total station operator for \$175/hr with at least 48hr notice. A competent layout representative from this subcontractor must accompany the layout crew.
 - Failure to use the robotic total station will result in a stop work order with no added time to the schedule until the subcontractor complies. No added cost associated with acceleration will be accepted.
 - This subcontractor shall be solely responsible for the correct layout, which cannot be delegated or assigned.
43. Please see the table below for all required meetings.
- Without exception, this Subcontractor's Project Manager and/or Superintendent must attend the weekly coordination/subcontractor meetings in person two weeks before starting work and while performing the scope of work.
 - This subcontractor is required to participate in pull planning sessions actively. These sessions are in-person and onsite, with no exceptions. These will occur bi-weekly at the discretion of the CM. Each day, the progress will be reviewed in the "Daily Forman's Huddle".
 - Failure to have the proper representative at any onsite meeting will constitute a safety violation of "competent person not on site.". Refer to Exhibit J for more information.

Meeting Titles	Frequency	Required Attendees	Location
Pre-Install	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Safe Start	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Daily Foreman Huddle	Daily	Superintendent & Foreman/Competent Person	On Site - CM Trailer
Weekly Subcontractor Coordination	Weekly	Superintendent & Project Manager	On Site - CM Trailer
Pull Plan Initial Set-Up	As required	Superintendent & Project Manager	Remote / On Site
Pull Plan Updates	Bi-Weekly	Superintendent & Project Manager	On Site - CM Trailer
Jobsite Safety Standdown	Weekly	Everyone on site	On Site - CM Trailer
BIM Coordination	Weekly	MEP Trades BIM Managers	Remote

E. SCOPE OF WORK SPECIFICATIONS

The following outlines the scope of work specifications sections relevant to the work to be performed. This list represents the core specifications that will guide the tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional specifications and related sections that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. SECTION 09 67 23 - RESINOUS FLOORING**F. PROJECT SPECIFIC SCOPE REQUIREMENTS:**

The following outlines the project-specific scope requirements of the work to be performed. This list represents the core tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional tasks and responsibilities that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. All cove metal caps and base.
2. All Schluter transitions from adjacent flooring.
3. Provide all minor floor patching, floor leveling, filling of control/expansion joints and cracks, and floor preparations per specifications and as recommended by the manufacturer, including floor sanding, floor scarifying, preparatory cleaning, slab moisture testing, slab alkalinity conditions testing, concrete slab and substrate primers etc. Subcontractor is responsible for obtaining Architect's acceptance of all floor preparatory work prior installation of flooring under this agreement.
4. The subcontractor acknowledges that new flooring will be installed over a concrete slab substrate installed per tolerances specified under specification section 03 30 00. The subcontractor will include any additional minor floor patching and leveling required prior to resilient installations under this section to meet the Architect's and manufacturer's acceptance.
5. The subcontractor shall provide moisture mitigation for areas with moisture levels that do not meet the application criteria.
6. Provide all required mock-ups of work for Owner/Architect acceptance. The subcontractor is responsible for obtaining the Architect's approval/verification of all pattern/color layouts shown on the Contract Drawings prior to beginning installation.
7. Provide all **extra materials for the Owner to the Construction Manager in unopened containers/packages prior to beginning work. All attic stock shall be palletted and transmitted to the Contractor for signature.** The subcontractor shall locate materials in a location (or locations) determined by the Owner/ Construction Manager.
8. Scope of Work includes ventilation, sweeping compounds, vacuuming systems, etc. to limit the amount of airborne dust during floor preparatory operations as not to soil existing wall finishes, windows, light fixtures, building mechanical ventilation systems, etc.
9. This subcontractor is responsible for notifying the Contractor and Mechanical Contractor to shut down the building ventilation systems in work areas where airborne dust is generated while performing work under this agreement to avoid soil in mechanical systems.

10. Field verification for humidity and temperature control is included, and any noted deficiencies shall be submitted to the Construction Manager in writing at least twenty-one (21) days before the start of work. Failure to meet the 21-day requirement before 21 days before the scheduled start date shall be considered a breach of schedule if deficiencies delay installation.
11. This subcontractor to provide any testing, mitigation / remediation due to high moisture in concrete. The Subcontractor shall maintain all warranties for material and workmanship.
12. This subcontractor is responsible for any ventilation fan or other approved method as necessary to perform installations and curing of work installed under this agreement.
13. Furnish and install all Resinous Flooring and accessories, including but not limited to:
 - a. All primers, sealers, epoxy fillers, miscellaneous accessories, etc.
 - b. All edge strips, transition strips, primers, sealers, reducer strips, etc.
14. Layout of all work from Contractor's single horizontal and vertical control point. Subcontractor shall bring to the Architect's attention any tile layout concerns regarding equal borders of installation, squareness of room, etc. and specification layout requirements prior to installing floor.
15. Responsible for multiple mobilizations as required to meet the project schedule.
16. The subcontractor will coordinate moisture testing provided by the Subcontractor and scheduled by the Subcontractor with the Construction Manager. The subcontractor is responsible for all moisture remediations required to install flooring per specifications.
17. Subcontractor to provide all final cleaning of all systems under this agreement upon 100% complete installation, including punch lists. Protect all other finished materials from damage during final cleaning. Any damage costs identified by the Construction Manager will be borne by the Subcontractor.
18. Removal and reinstallation of doors, thresholds, etc., for installation of flooring is included if required by this Subcontractor to access work areas.
19. The subcontractor is responsible for protecting finished painted walls, doors, cabinets, etc. from damage during the installation of resinous flooring.
20. Subcontractors shall be responsible for their power requirements above and beyond 110V & 20 amps.
21. Cover floor with Ram Board upon completion of installation and cleaning for protection of work performed in this scope of work. (Addendum 1)

G. DESCRIPTION OF SCOPE EXCLUSIONS

The following is a complete and exhaustive list of exclusions from the Scope of Work:

1. NONE

**BID PACKAGE #1014
SIGNAGE
(SCOPE OF WORK)**

The Scope of Work shall include the furnishing of a complete **SIGNAGE PACKAGE**. This shall include, but is not limited to all required: labor, fabrication, engineering, submittals, shop drawings, materials, equipment, tools, supervision, hoisting, scaffolding, and transportation as required for a complete scope of work.

DESCRIPTION OF SCOPE INCLUSIONS

The following is a non-exhaustive list of inclusions and is not intended to limit the work in any way.

A. CONTRACT DOCUMENTS:

All work shall be performed in accordance with Contract Documents.

- All plans and specifications
- All scope of work requirements
- All contract requirements

B. BONDING REQUIREMENTS:

Each bidder quoting a sum greater than ~~\$100,000~~ \$300,000 (Addendum 1) shall have a 10% Bid Bond accompanying their bid as well as a Payment and Performance Bond included in their price. Additionally, all Bonds required shall be furnished per the Subcontract Agreement provided in the Bid Manual.

C. SUBMITTAL REQUIREMENTS:

Collaborative File Sharing - Subcontractor shall be responsible for the uploading of all required submittals to a file sharing program (Procore). Notifications will be sent when submittals are reviewed. It is the subcontractor's responsibility to track the approval process and proceed as directed in the submittal by the due date stated in Procore.

Samples – Descriptions of samples shall be uploaded to the site for record purposes. "Hard" samples are still required per the plans/specifications.

At the time of submittals Subcontractor shall clearly identify to the Construction's Manager and Architect's attention, **any deviations from the Contract Documents**. This Subcontractor's responsibility to the Contract Documents is not relieved by the Architect or Construction Manager's review unless there is **written acceptance of the specific deviations**. Subcontractor is responsible for submitting and expediting approval of any submittal requirements through a jurisdictional agency, if applicable.

Subcontractor is to deliver all required Reports and bid documents to Construction Manager within 14 calendar days from date of Notice of Award. NO payment shall be made to subcontractor without all subcontractors' documents submitted. Provide signed and sealed engineered shop drawings as specified by a licensed and registered Engineer.

Any required re-submittals, record submittals, and/or field drawings shall be forwarded to Construction Manager within seven (7) days of initial submittal return to Subcontractor. **Failure of this Subcontractor to submit correct or timely submittals does not relieve said Subcontractor of material delivery obligations in accordance with the Project Schedule.** Subcontractor shall allow a minimum of twenty-eight (28) calendar days of Construction Manager -Architect review duration. No material substitutions will be approved by Construction Manager unless Subcontractor can obtain Owner-Architect approval for such substitutions at no additional cost to Construction Manager and without delaying project schedule.

D. STANDARD SCOPE INCLUSIONS:

The items listed below are specifically included and are for clarification purposes only. They shall not be construed as a complete list of all work. It is the intent of this to clarify subcontract issues. If conflicts are discovered between this and the Subcontract General Terms, then the Subcontract General Terms shall govern.

1. Provide a full-time, competent, and English-speaking Superintendent onsite at all times while this subcontractor's work is being performed to coordinate the work of this project. The competent person on site must be OSHA 30 certified. Failure to provide a competent person on site will result in the CM not allowing the subcontractor to work on site.
2. Metcon intends to use GCPay which is a third party pay application service that simplifies the application for payment processes between Metcon and our subcontractors by automating the payment application process. At no cost to our subcontractors, GCPay provides an automated information exchange for lien waivers and all compliance documents. This platform saves time and improves subcontractor communication by keeping them informed throughout the process of potential issues needing immediate attention.
3. The subcontractor has reviewed specification SECTION 01 22 00 – UNIT PRICES. All required unit pricing for this scope of work has been acknowledged and included in the bid form.
4. The subcontractor has reviewed specification SECTION 01 23 00 – ALTERNATES. All required pricing for alternates for this scope of work has been acknowledged and included in the bid form. If alternates are selected, they are selected in their entirety. All documents have been fully evaluated for alternative work.
5. As required, the subcontractor shall design, provide, and engineer crane subsurface/pads in accordance with project specifications and load requirements. The subcontractor shall ensure that all crane operations are structurally sound at no additional cost to the CM.
6. Verify all substrate conditions and notify the Construction Manager twenty-one (21) days prior to the start of work of any deficiencies in substrate prohibiting the start of work under this agreement.
7. All subcontractor employees must have access to a tablet with Procore access for use on this project. This tablet shall be an iPad Pro generation 3 or newer with cellular connectivity or comparable in specs and capabilities.
8. This subcontractor will not use or allow the building's drainage systems to clean debris or dispose of waste materials. If any drainage systems are clogged or obstructed by this subcontractor's materials, this subcontractor will reimburse the Contractor for the repair cost plus a mark-up.

9. This subcontractor is responsible for requesting any additional information, instructions and/or clarifications required to complete the work. The subcontractor will request such information from the Design team in writing as a Request for information (RFI) through the file-sharing program Procore. Requests for such information shall be made in advance to avoid any delay in the work.
10. This subcontractor is responsible for receiving, unloading, inventorying, storing, and coordinating this subcontractor's work. **All deliveries, hoisting, and storage of materials will be coordinated and scheduled with CM. Any deliveries not scheduled will not be allowed on site.** Material and equipment deliveries must be coordinated "just in time." Material and equipment storage on site must not exceed five (5) workdays. Once materials and/or equipment are moved inside the building, it must be installed within five (5) workdays. This subcontractor must utilize its own equipment to unload material.
11. This subcontractor is responsible for its own traffic control/flag man for any hauling operation in or out of the project site. All traffic control personnel shall be NCDOT certified. Reference the Logistics Plan indicating the crossing and use of active public roadways.
12. This subcontractor is responsible for erecting its own scaffolding, working platforms, material handling, storage, lifting & hoisting as required to perform the work under this scope.
13. This subcontractor is responsible for maintaining streets and parking lots in clean condition for their scope of work.
14. This subcontractor is responsible for all temporary safety measures to meet OSHA and Metcon's safety standards pertaining to your scope of work. See Exhibit J for more details.
15. The subcontractor has reviewed all drawings, documents, appendices, and specifications for this project and has found no obvious omissions and further agrees that the work of this agreement and the project can be constructed within the milestones and completion dates agreed upon without claims for delays or costs implications unless substantial Owner directed Scope changes occur.
16. Within **10** days of receipt of the contract, this subcontractor is required to issue a manpower count for each section/activity of their scope of work to meet the schedule requirements. Metcon will review and approve the proposed manpower counts before commencing this work. Metcon, Owner, Architect, & Consultants will constantly track the manpower for each activity to ensure compliance with the schedule and the forecasted status of the project, which will measure performance. If the subcontractor has low productivity/performance, resulting in schedule delays, this subcontractor will increase its manpower at Metcon's, Owner's, and/or Architect's request. Pay applications may be delayed until compliance has been satisfied.
17. In the event of inclement weather, this subcontractor is responsible for securing and protecting all their materials and work in place.
18. This subcontractor shall conduct pursuant to N.C. Gen. Stat. § 115C-332.1, an annual check of each of its employees, and contractual employees, consultants, agents, and other representatives on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry if such employee, subcontractor, agent, or other representative will be on the Project site or other school property as part of his or her job. The CM shall conduct this check on each of its employees, consultants, agents, and other representatives prior to permitting such employee, consultant, agent or other representative to enter the Project site or other school property to perform work under this agreement. For the Construction Manager's convenience only, all the required registry checks may be completed at no cost by accessing the United States Department of Justice Sex Offender Public Registry at <http://www.nsopw.gov>. No person shall be permitted to enter the Project site or other school property to perform work under this agreement if that person is listed on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and/or the National Sex Offender Registry.

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20. Parking at and around the site will be limited. Please see the Logistics Plan for more information.
21. The subcontractor shall only remove temporary construction fences, safety control devices, or sediment control devices with advanced approval from the construction manager. In the event that removal is required, the subcontractor shall reinstall it in the same condition or better.
22. This subcontractor will abide by local noise ordinances as required.
23. All non-compliance items or punch lists brought to the subcontractor's attention in Procore must be corrected and "ready for review" within 5 working days of initiation by the Construction Manager.
24. A weekly job site cleanup will occur. Each subcontractor must contribute one laborer per five onsite workers for four (4) hours, to be used at the Construction Manager's discretion.
25. All subcontractors will adhere to a work week consisting of five (5) days per week, ten (10) hour days, fifty-two (52) weeks per year, with standardized starting and quitting times 7 am to 5:30 pm regardless of external influences (such as driving distance, subcontractor's company policies, or personal preference.) No subcontractor will be allowed to work a four (4) day work week.
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28. In addition to any Owner site requirements, eating and drinking shall be prohibited within the building or as otherwise determined by the Construction Manager. Subcontractor violators will be removed from the project site. Smoking or other tobacco products will not be allowed on site. Anyone violating this policy will be removed from the site permanently.
29. No visitors shall be admitted to the job site by the subcontractor without first obtaining the approval of the Construction Manager and having completed the site-specific job site orientation. This subcontractor will confirm and/or provide all their visitors with the site-required personal protection equipment.
30. No photographs or videos (including drone videos) of the project may be taken without the construction manager's and owner's prior approval. All persons approved to take photographs/videos must attend training and will be provided with credentials.
31. All schedule of values shall be uploaded to GC Pay within ten (10) days of the letter of intent being awarded. All subcontractors' SOVs shall include the following standard items: mobilization, submittals, weekly composite cleanup, punch list, and project closeout. Material and labor shall be broken out as separate lines and further broken out to match the unit/phasing established in the project schedule. Schedule of values must be approved by Construction Manager prior to this subcontractor's first pay application. Construction manager requires a minimum of twenty (20) days to review the Schedule of Values.
32. Attached to the Bid manual is a sample of Metcon's standard contract. This subcontractor is required to review and accept it in its entirety.

33. Weekend work might be necessary to meet the project schedule, which must be coordinated with the Construction Manager if required. The construction manager will not allow weekend work if the subcontractors are not already working the full number of job site hours with full crews. This means that if you are working less than Monday through Friday, 7 am -5:30 pm, the site will not be open on the weekend unless excusable inclement weather determined by the CM occurs during the week. There will be no issue with opening the site as much as necessary to facilitate subcontractors who are trying to meet the scheduled responsibilities by working the total amount of open hours.
34. Based on the scope of work, subcontractor understands that multiple mobilizations will be required to complete the work.
35. The construction manager reserves the right to add a fifteen (15) percent mark-up to all back charges that the construction manager facilitates. If back charges are resolved without the involvement of the Construction Manager, no mark-up will be applied.
36. Time and Material tickets must be approved by the Construction Manager's superintendent within 24 hours of work commencing. Invoices associated with time and material tickets must be submitted to the Construction Manager's Project Manager within thirty (30) days of work commencing. All invoices must reference a "CE number" assigned by the CM. Invoices not referencing a "CE number" will be returned and not processed.
37. Pull planning will be implemented on this project. The weekly "Plan Percent Complete Report" will be sent to the subcontractor's representative to provide tangible value to the subcontractor's progress. The subcontractor is required to use the pull planning process to identify all constraints that may impede their progress. Constraints not identified and documented within a reasonable time for rectification will not be considered valid reasons for schedule adjustments. The subcontractor is expected to follow the Pull Plan Schedule, which should enhance and supersede the contract schedule.
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 - a. Executed the Partnership Form for the subcontractor safety and health incident prevention program.
 - b. Subcontractors' specific site job hazard analysis (JHA), detailing your scope of work, the hazards associated with each task, and how they will be abated.
 - c. Trades whose work scope includes steel erection, pre-cast, demo, and roofing shall provide a written site safety plan.
 - d. Provide OSHA 300 & 300A logs for the last three years.
 - e. A written hazard communication program safety data sheet (SDS)
 - f. A written safety plan for the revised silica dust respiratory plan (if applicable) is needed.
 - g. A written ground fault protection program.
 - h. Exhibit J returned with pages initialed.
 - i. All site-specific personnel documentation will be required to be submitted two weeks before this scope of work begins.
 - j. Failure to comply with this documentation will result in a delayed start in this subcontractor's mobilization. This may include withholding mobilization costs in pay applications until this subcontractor complies. No additional cost or time will be considered due to any acceleration required.

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42. The subcontractor is required to utilize a robotic total station (similar to that offered by Hilti, Trimble, or Leica) for layout, backchecking, verification before installation, and documenting as-built conditions.
 - a. The construction manager can provide equipment and a robotic total station operator for \$175/hr with at least 48hr notice. A competent layout representative from this subcontractor must accompany the layout crew.
 - b. Failure to use the robotic total station will result in a stop work order with no added time to the schedule until the subcontractor complies. No added cost associated with acceleration will be accepted.
 - c. This subcontractor shall be solely responsible for the correct layout, which cannot be delegated or assigned.
43. Please see the table below for all required meetings.
 - a. Without exception, this Subcontractor's Project Manager and/or Superintendent must attend the weekly coordination/subcontractor meetings in person two weeks before starting work and while performing the scope of work.
 - b. This subcontractor is required to participate in pull planning sessions actively. These sessions are in-person and onsite, with no exceptions. These will occur bi-weekly at the discretion of the CM. Each day, the progress will be reviewed in the "Daily Forman's Huddle".
 - c. Failure to have the proper representative at any onsite meeting will constitute a safety violation of "competent person not on site.". Refer to Exhibit J for more information.

Meeting Titles	Frequency	Required Attendees	Location
Pre-Install	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Safe Start	Once prior to mobilization	Superintendent, PM & Foreman/Competent Person	On Site - CM Trailer
Daily Foreman Huddle	Daily	Superintendent & Foreman/Competent Person	On Site - CM Trailer
Weekly Subcontractor Coordination	Weekly	Superintendent & Project Manager	On Site - CM Trailer
Pull Plan Initial Set-Up	As required	Superintendent & Project Manager	Remote / On Site
Pull Plan Updates	Bi-Weekly	Superintendent & Project Manager	On Site - CM Trailer
Jobsite Safety Standdown	Weekly	Everyone on site	On Site - CM Trailer
BIM Coordination	Weekly	MEP Trades BIM Managers	Remote

E. SCOPE OF WORK SPECIFICATIONS

The following outlines the scope of work specifications sections relevant to the work to be performed. This list represents the core specifications that will guide the tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional specifications and related sections that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. SECTION 10 14 00 – SIGNAGE**F. PROJECT SPECIFIC SCOPE REQUIREMENTS:**

The following outlines the project-specific scope requirements of the work to be performed. This list represents the core tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional tasks and responsibilities that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

1. All interior & exterior signs including building letters, dedication plaques and graphics indicated in Finish Schedule Sheet A-701 and specification SECTION 101400 SIGNAGE, and all other contract documents.
2. Raised letters and Braille formed as an integral part of the sign face.
3. Subcontractor to furnish all **NON-MASONRY** exterior sign bases **associated with this scope of work. (Addendum 1)**
4. Furnish and install all accessories, trims, backing, blocking (if required), anchoring to supports, etc. required to complete this scope of work.
5. Subcontractor shall anchor assemblies to masonry or drywall partitions without the need for in-wall blocking.
6. All furnished items under this agreement shall be manufactured and prefinished per Architect's approved color samples.
7. Subcontractor shall final clean all installations upon installation completion.
8. Signage shall conform to ADA requirements.
9. Letters and background colors as selected by Architect from standard range.
10. All substrate, backing, blocking, and or anchoring to supports.
11. Prior to releasing signs for fabrication, subcontractor verification includes but is not limited to location, labeling, final numbering, etc. to ensure the most up to date information is included in the final signage package

G. DESCRIPTION OF SCOPE EXCLUSIONS

The following is a complete and exhaustive list of exclusions from the Scope of Work:

1. **Warning stencils identified in specification section 10 14 00 part 2.9 are excluded from this scope of work. (Addendum 1)**
2. **Traffic control and site ADA signage excluded from this scope. (Addendum 1)**

**BID PACKAGE #3100
TURNKEY SITEWORK
(SCOPE OF WORK)**

The Scope of Work shall include the furnishing of a complete **TURNKEY SITEWORK PACKAGE**. This shall include, but is not limited to all required: labor, fabrication, engineering, submittals, shop drawings, materials, equipment, tools, supervision, hoisting, scaffolding, and transportation as required for a complete scope of work.

DESCRIPTION OF SCOPE INCLUSIONS

The following is a non-exhaustive list of inclusions and is not intended to limit the work in any way.

A. CONTRACT DOCUMENTS:

All work shall be performed in accordance with Contract Documents.

- All plans and specifications
- All scope of work requirements
- All contract requirements

B. BONDING REQUIREMENTS:

Each bidder quoting a sum greater than ~~\$100,000~~ \$300,000 (Addendum 1) shall have a 10% Bid Bond accompanying their bid as well as a Payment and Performance Bond included in their price. Additionally, all Bonds required shall be furnished per the Subcontract Agreement provided in the Bid Manual.

C. SUBMITTAL REQUIREMENTS:

Collaborative File Sharing - Subcontractor shall be responsible for the uploading of all required submittals to a file sharing program (Procore). Notifications will be sent when submittals are reviewed. It is the subcontractor's responsibility to track the approval process and proceed as directed in the submittal by the due date stated in Procore.

Samples – Descriptions of samples shall be uploaded to the site for record purposes. "Hard" samples are still required per the plans/specifications.

At the time of submittals Subcontractor shall clearly identify to the Construction's Manager and Architect's attention, **any deviations from the Contract Documents**. This Subcontractor's responsibility to the Contract Documents is not relieved by the Architect or Construction Manager's review unless there is **written acceptance of the specific deviations**. Subcontractor is responsible for submitting and expediting approval of any submittal requirements through a jurisdictional agency, if applicable.

Subcontractor is to deliver all required Reports and bid documents to Construction Manager within 14 calendar days from date of Notice of Award. NO payment shall be made to subcontractor without all subcontractors' documents submitted. Provide signed and sealed engineered shop drawings as specified by a licensed and registered Engineer.

Any required re-submittals, record submittals, and/or field drawings shall be forwarded to Construction Manager within seven (7) days of initial submittal return to Subcontractor. **Failure of this Subcontractor to submit correct or timely submittals does not relieve said Subcontractor of material delivery obligations in accordance with the Project Schedule.** Subcontractor shall allow a minimum of twenty-eight (28) calendar days of Construction Manager -Architect review duration. No material substitutions will be approved by Construction Manager unless Subcontractor can obtain Owner-Architect approval for such substitutions at no additional cost to Construction Manager and without delaying project schedule.

D. STANDARD SCOPE INCLUSIONS:

The items listed below are specifically included and are for clarification purposes only. They shall not be construed as a complete list of all work. It is the intent of this to clarify subcontract issues. If conflicts are discovered between this and the Subcontract General Terms, then the Subcontract General Terms shall govern.

1. Provide a full-time, competent and English-speaking Superintendent onsite at all times while this subcontractor's work is being performed to coordinate the work of this project. The competent person on site must be OSHA 30 certified. Failure to provide a competent person on site will result in the CM not allowing the subcontractor to work on site.
2. Metcon intends to use GCPay which is a third party pay application service that simplifies the application for payment processes between Metcon and our subcontractors by automating the payment application process. At no cost to our subcontractors, GCPay provides an automated information exchange for lien waivers and all compliance documents. This platform saves time and improves subcontractor communication by keeping them informed throughout the process of potential issues needing immediate attention.
3. The subcontractor has reviewed specification SECTION 01 22 00 – UNIT PRICES. All required unit pricing for this scope of work has been acknowledged and included in the bid form.
4. The subcontractor has reviewed specification SECTION 01 23 00 – ALTERNATES. All required pricing for alternates for this scope of work has been acknowledged and included in the bid form. If alternates are selected, they are selected in their entirety. All documents have been fully evaluated for alternative work.
5. As required, the subcontractor shall design, provide, and engineer crane subsurface/pads in accordance with project specifications and load requirements. The subcontractor shall ensure that all crane operations are structurally sound at no additional cost to the CM.
6. Verify all substrate conditions and notify the Construction Manager twenty-one (21) days prior to the start of work of any deficiencies in substrate prohibiting the start of work under this agreement.
7. It is mandatory that all subcontractor employees have access to a tablet with Procore access for use on this project. This tablet shall be an iPad Pro generation 3 or newer with cellular connectivity, or comparable in specs and capabilities. This provision provides the subcontractor the capability of having access to Procore in the field with the latest set of drawings.
8. Subcontractor will not use or allow the use of the building's drainage systems for cleaning debris or disposing of waste materials. In the event of any drainage systems being clogged or obstructed by this Subcontractor's materials, Subcontractor will reimburse the Contractor for the repair cost plus a mark-up.

9. This Subcontractor is responsible for requesting any additional information, instructions and/or clarifications required to complete the work. The Subcontractor will request such information from the Design team in writing in the form of a Request for information (RFI) through the file sharing program called Procore. The request for such information shall be made in advance to avoid any delay of the work.
10. This Subcontractor is responsible for receiving, unloading, inventorying, storing, and coordinating this Subcontractor's work. **All deliveries, hoisting and storing of materials will be coordinated and scheduled with CM. Any deliveries not scheduled will not be allowed on site.** Material and equipment deliveries must be coordinated as "just in time." Material and equipment storage on site must not exceed five (5) workdays. Once materials and/or equipment are moved inside the building it must be installed within five (5) workdays. Subcontractor must utilize its own equipment to unload material.
11. Subcontractor is responsible for its own traffic control/flag man for any hauling operation in or out of the project site. Flag man is not required if staging of deliveries outside of the site does not impede pedestrian and motor vehicle traffic. All traffic control personnel shall be NCDOT certified. Reference the Logistics Plan indicating the crossing and use active public roadways.
12. This Subcontractor is responsible for erecting its own scaffolding, working platforms, material handling, storage, lifting & hoisting as required to perform the work under this scope.
13. This Subcontractor is responsible for all temporary safety measures to meet OSHA and Metcon's safety standards pertaining to your scope of work. See exhibit J for more details.
14. The Subcontractor has reviewed all drawings, documents, appendices, and specifications for this project and has found no obvious omissions and further agrees that the work of this agreement and the project can be constructed within the milestones and completion dates agreed upon without claims for delays or costs implications, unless substantial Owner directed Scope changes occur.
15. Within **10** days of receipt of subcontract, each subcontractor is required to issue a manpower count necessary for each section/activity of their scope of work to meet the schedule requirements. Metcon will review and must approve the proposed manpower counts prior to commencement of your work. Metcon, Owner, Architect & Consultants will constantly track the manpower for each activity to ensure compliance to the schedule and the forecasted status of project which will measure performance. In the event of the subcontractor having low productivity/performance, resulting on schedule delays, subcontractor will increase its manpower at Metcon's, Owner's and/or Architect's request. Pay applications may be delayed until compliance has been satisfied.
16. In the event of inclement weather, all Subcontractors are responsible for the securing and protection of all their own materials and work in place.
17. Each subcontractor shall conduct pursuant to N.C. Gen. Stat. § 115C-332.1, an annual check of each of its employees, and contractual employees, consultants, agents, and other representatives on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and the National Sex Offender Registry if such employee, subcontractor, agent, or other representative will be on the Project site or other school property as part of his or her job. The CM shall conduct this check on each of its employees, consultants, agents, and other representatives prior to permitting such employee, consultant, agent or other representative to enter the Project site or other school property to perform work under this Agreement. For the Construction Manager's convenience only, all the required registry checks may be completed at no cost by accessing the United States Department of Justice Sex Offender Public Registry at <http://www.nsopw.gov>. No person shall be permitted to enter the Project site or other school property to perform work under this Agreement if that person is listed on the State Sex Offender and Public Protection Registration Program, the State Sexually Violent Predator Registration Program, and/or the National Sex Offender Registry.

18. This subcontractor must thoroughly examine all drawings to recognize and include elements within their area of responsibility. Subcontractor is required to review all project drawings and specs. Subcontractor will have an opportunity to ask questions about design intent before bidding; after bid and award of package subcontractor will utilize the most stringent design. The design utilized shall be to the best interest to the owner.
19. Parking at and around the site will be limited. Please see the Logistics Plan for more information.
20. Subcontractor shall only remove temporary construction fence, safety control devices or sediment control devices with advanced approval of the Construction Manager. In the event that removal is required subcontractor shall reinstall in the same condition or better.
21. Subcontractor will abide by local noise ordinances as required.
22. All punch list items must be corrected and "ready for review" within 5 working days of initiation by Construction Manager.
23. A weekly job site cleanup will occur. Each subcontractor must contribute one laborer per five onsite workers for four (4) hours, to be used at the Construction Manager's discretion.
24. All subcontractors will adhere to a work week consisting of: five (5) days per week, ten (10) hour days, fifty two (52) weeks per year, with standardized starting and quitting times 7am to 5:30 pm regardless of external influences (such as driving distance, subcontractor's company policies, or personal preference.) No subcontractor will be allowed to work a four (4) day work week.
25. Under no circumstances subcontractor is permitted to work without a Construction Manager's representative on site.
26. Protection of work in place: subcontractor shall provide and maintain protection of all adjacent property and other subcontractor's work, materials tools, and equipment from damage resulting from this subcontractor's activities. Subcontractor is responsible for the cost of repairing or replacing any items damaged by its employees, its lower-tier subcontractors, or its suppliers, including damage caused during stocking or hoisting.
27. In addition to any Owner site requirements, eating, and drinking shall be prohibited within the building or as otherwise determined by the Construction Manager. Subcontractor violators will be removed from the project site. Smoking or other tobacco products will not be allowed on site. Anyone violating this policy will be removed from the site permanently.
28. No visitors shall be admitted to the job site by the Subcontractor without first obtaining the approval of the Construction Manager and having completed the site specific jobsite orientation. Subcontractor will confirm and/or provide all their visitors with the site required personal protection equipment.
29. No photographs, videos (including drone videos) may be taken of the project without prior approval of Construction Manager and Owner. All persons approved to take photographs/videos must attend training and will be provided with credentials.
30. All schedule of values shall be uploaded to GC Pay within ten (10) days of the letter of intent being awarded. All subcontractors' SOVs shall include the following standard items: mobilization, submittals, weekly composite cleanup, punch list, and project closeout. Material and labor shall be broken out as separate lines and further broken out to match the unit/phasing established in the project schedule. Schedule of values must be approved by Construction Manager prior to this subcontractor's first pay application. Construction manager requires a minimum of twenty (20) days to review the Schedule of Values
31. Attached to the Bid manual is a sample of Metcon's standard contract. This subcontractor is required to review and accept it in its entirety.

32. Weekend work might be necessary to meet the project schedule which must be coordinated with the Construction Manager if necessary. The Construction Manager will not allow weekend work if the subcontractors are not already working the full amount of job site hours with full crews. This means that if you are working less than Monday through Friday 7am -5:30pm the site will not be open on the weekend. There will be no issue with opening the site as much as necessary to facilitate subcontractors who are trying to meet the schedule responsibilities by working the full amount of open hours.
33. Based on the scope of work, subcontractor understands that multiple mobilizations will be required to complete the work.
34. Construction Manager reserves the right to add a fifteen (15) percent markup in all back charges that are facilitated by the Construction Manager. If back charges are resolved without the involvement of the Construction Manager no markup will be applied.
35. Time and Material tickets must be approved by Construction Manager's superintendent withing 24 hours of work commencing and reference the Change Estimate (CE) number. Cost associated with time and material tickets must be submitted to Construction Manager Project Manager within thirty (30) days of work commencing.
36. For the Submittal of pay applications, subcontractor is required to use GC Pay at no cost to the subcontractor.
37. Pull planning will be implemented on this project. The weekly "Plan Percent Complete Report" will be sent to the subcontractor's representative to provide tangible value to the subcontractor's progress. The subcontractor is required to use the pull planning process to identify all constraints that may impede their progress. Constraints not identified and documented within a reasonable time for rectification will not be considered valid reasons for schedule adjustments. The subcontractor is expected to follow the Pull Plan Schedule, which should enhance and supersede the contract schedule.
38. All required site safety documentation must be submitted in Procore 30 days after issuing the letter of intent. This is to include the following:
 - a. Executed the Partnership Form for the subcontractor safety and health incident prevention program.
 - b. Subcontractors' specific site job hazard analysis (JHA), detailing your scope of work, the hazards associated with each task, and how they will be abated.
 - c. Trades whose work scope includes steel erection, pre-cast, demo, and roofing shall provide a written site safety plan.
 - d. Provide OSHA 300 & 300A logs for the last three years.
 - e. A written hazard communication program safety data sheet (SDS)
 - f. A written safety plan for the revised silica dust respiratory plan (if applicable) is needed.
 - g. A written ground fault protection program.
 - h. Exhibit J returned with pages initialed.
 - i. All site-specific personnel documentation will be required to be submitted two weeks before this scope of work begins.
 - j. Failure to comply with this documentation will result in a delayed start in this subcontractor's mobilization. This may include withholding mobilization costs in pay applications until this subcontractor complies. No additional cost or time will be considered due to any acceleration required.

39. Survey points will be provided for general locational purposes. These will not be given in every single room. To complete this work scope, each subcontractor must transfer the general area survey points accurately as needed. The location of these general survey points is at the discretion of the Construction Manager.
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 - c. This subcontractor shall be solely responsible for the correct layout, which cannot be delegated or assigned.
42. Please see the table below for all required meetings.
 - a. Without exception, this Subcontractor's Project Manager and/or Superintendent must attend the weekly coordination/subcontractor meetings in person two weeks before starting work and while performing the scope of work.
 - b. This subcontractor is required to participate in pull planning sessions actively. These sessions are in-person and onsite, with no exceptions. These will occur bi-weekly at the discretion of the CM. Each day, the progress will be reviewed in the "Daily Forman's Huddle".
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Meeting Titles	Frequency	Required Attendees	Location
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E. SCOPE OF WORK SPECIFICATIONS

The following outlines the scope of work specifications sections relevant to the work to be performed. This list represents the core specifications that will guide the tasks and responsibilities to be undertaken; however, it is not exhaustive or comprehensive. Additional specifications and related sections that are necessary for the successful completion of the project but not explicitly mentioned here may also be required:

- 1. DIVISION 31 – EARTHWORK (excluding 31 31 16 Termite Control)**
- 2. DIVISION 32 – EXTERIOR IMPROVEMENTS (excluding 32 92 00 Lawns and Grasses and 32 93 00 Exterior Plants)**
- 3. DIVISION 33 - UTILITIES**

F. PROJECT SPECIFIC SCOPE REQUIREMENTS:

1. Furnish, install, maintain, and remove the following temporary utilities.
 - a. Subcontractor shall furnish, install, maintain, and remove (upon project completion) all required water taps, valves, backflow preventers, underground PVC or cast iron piping, and insulated wrap on exposed piping to Construction Manager's office trailer complex including connection to trailer.
 - b. Subcontractor shall furnish, install, maintain, and remove (upon project completion) all required water taps, valves, backflow preventers, underground PVC or cast iron piping, and insulated wrap on exposed piping to provide a site construction water source. Include a supported header assembly providing four (4) 2" connections and six (6) hose bib connections.
 - c. Provide a minimum of 200,000 SF of 4" stone aggregate base compacted furnish, install, maintained and removed at CM's discretion. See logistics plan for details.
1. Installation and Maintenance of Erosion Control
2. Temporary Utilities as outlined above
3. Site Clearing per SECTION 31 10 00 – SITE CLEARING
4. Rough and Final Grading
5. All Cut and Fill operations including Building pad prep. **Provide 2" of compacted stone aggregate base on the building pad after rough grading. (Addendum 1)**
6. All Water Distribution Systems
7. On Site Sewer Systems complete
8. All Storm Water Systems
9. All Site Concrete outside the building line. This shall include sidewalks, playground,
10. Equipment pads shall be installed by others.
11. All Paving, Striping, **traffic control** and ADA Signage **in its entirety. (Addendum 1)**
12. Temporary Seeding and Mulch
13. This subcontractor shall be responsible for all decorative fencing, chain link fencing, in its entirety as it is indicated within the contract documents.

14. This subcontractor shall be responsible for installing bollards provided by others.
15. This subcontractor shall provide, install and maintain 20'-0" of rip rap at each site entrance/exit. Refer to Site Logistics plan for location information.
16. This subcontractor to provide pricing for alternate heavy duty pavement section to 1 ½" asphalt surface course on 2 ½" asphalt binder course on 8" compacted aggregate base course on compacted sub-grade. Refer to contract documents for heavy duty pavement locations, compaction and other requirements. Refer to the bid form to provide required pricing for alternates for this scope of work.
17. The site is "UNCLASSIFIED" up to subgrade. However, this classification will not apply to existing building pad and parking lots.
18. This Subcontractor shall contract with a registered land surveyor in the State of North Carolina to stake all work under this agreement. Also, this Subcontractor shall provide a signed and sealed drawing to certify that all grading, ponds, utility installations, etc. comply with Contract Documents upon completion of each phase of work and prior to receipt of payment for completed work. Final signed and sealed as-built drawings shall be provided at conclusion of the scope of work.
19. Coordinate building point of entry (location and elevation), and flange layout / bolt pattern with Fire Protection Subcontractor. Sleeving of walls and waterproofing penetration is herein included.
20. All work under this subcontract will be in accordance with the Contract Documents and City, County, DENR, and NCDOT Requirements.
21. This subcontractor is responsible for the procuring of and payment for all required Right-of- way permits, Curb Cut Permits, City Insurance requirements, roadway bonds, tap fees, etc. This subcontractor shall have NCDOT certified traffic control personnel and devices to ensure safe vehicular entrance and exit to and from the site.
22. All terminations to within 4'-0" of building are included. Subcontractor shall be responsible for tie-in of lines to building structures regardless of whether stub outs are installed at time of utility line installation. Subcontractor shall coordinate with other subcontractors to ensure that final installation is completed as required.
23. It is the responsibility of this Subcontractor to ensure that all piping installations have sufficient specified, or code required coverage.
24. This subcontractor is responsible for final setting and adjusting of all grates, manholes, hydrants, PIVs, cleanout covers, valve boxes, etc.
25. This subcontractor is responsible for total coordination of all underground utilities and for providing complete utilities systems. There will be no cost or time considerations given for adjustments of structures or pipe runs due to conflicts arising from lack of coordination with adjacent utilities, structures, or other Subcontractors. First installed does not constitute grounds for a change order for installation of uncoordinated work.
26. This subcontractor is responsible for the re-wetting, aeration, and/or drying of existing soil materials to obtain optimum moisture content for use as compacted fill. In the event weather conditions do not allow Subcontractor to dry wet materials required to perform the work within the scheduled time frame, Subcontractor shall remove and dispose of the wet material and replace with suitable soil as not to delay project schedule at no additional cost to Construction Manager.

27. Surface and rainwater controls shall be provided throughout the duration of the Agreement. Contaminated water, beyond the limits allowed by the Contract Documents shall not be permitted, mechanically or by natural flow, to be discharged off-site. Quality of water discharged shall comply with all requirements of the Contract documents and local jurisdictional allowances. All flocculation as required to comply with the quality of water requirements of the Contract Documents shall be included.
28. All liabilities of sediment entering storm sewer system or discharging off-site is the responsibility of this Subcontractor to rectify.
29. This subcontractor is responsible for notifying Construction Manager, Owner, Architect, and governing agencies two weeks prior of all tie-ins and shutdowns of existing utility systems and inspection requests. These requests shall be in writing to the CM.
30. This subcontractor is responsible for compliance to all requirements of local authority(s) having jurisdiction on all installations under this agreement. This subcontractor has reviewed the Drawings & Specification for this Project. Subcontractor has found no obvious omissions and further agrees that the Work of this Agreement and the Project can be constructed within the milestone and completion dates without claims for delay or impact costs, unless substantial Owner directed Scope changes occur.
31. This subcontractor is required to maintain daily rain fall records, have rain gauge on-site, current inspection drawings, permit card, etc. for Owner, Engineer, and DENR storm water inspection requirements. This subcontractor is responsible to have a supervisor present on all storm water management inspections. All inspection violations shall be corrected by the end of the day of the inspection violation notification or Subcontractor will not be allowed to continue site operations until such violations are rectified. This subcontractor is responsible for all recordkeeping and reporting per NCG01- "Self-Inspection, Recordkeeping and Reporting" as outlined in the documents.
32. This subcontractor is responsible for providing all required temporary and permanent access requirements for Owner and Construction operations at all times. This includes any RCP culvert necessary to provide access to the site. Please refer to the site logistics plan for details.
33. This subcontractor is responsible for dewatering. Dewatering is considered all-natural grade water as well as "surface or rainwater" for all excavations under this agreement. Dewatering includes all required pumps, sumps, stone, etc. for proper execution of work under this agreement and for the continual maintenance of exposed soil conditions to access the work under this agreement.
34. It is the responsibility of this Subcontractor to maintain a suitable soil substrate condition once exposed under this agreement (or exposed by others as in mass excavation to perform work under this agreement). The Owner (or the Construction Manager) will not be responsible to reimburse Subcontractor for the costs to remove unsuitable soil and dispose of off-site or for the replacement costs of suitable fill (or stone backfill) for exposed substrate conditions not achieving compactions due to excessive moisture content not inherent with undisturbed soil conditions on-site. This subcontractor is responsible for all work performed be per NCG01- "Ground Stabilization and Material Handling" as outlined in the documents.
35. Final grading shall be free of any rocks, roots, debris. The Subcontractor shall request an inspection of topsoil/grading to be performed by the Construction Manager and/or owner prior to placing any

permanent ground cover.

36. The site contractor shall include, in their bid, allowances for the following based upon unit prices provided on the bid form. Allowances shall be adjusted within the subcontract agreement based upon unit prices provided.
 - a. ~~\$2,000-cubic yards~~ \$50,000 allowance for replacement of unsuitable soil dispose off site and replace with imported structural fill. (Addendum 1)
 - b. ~~500-cubic yards of~~ \$45,000 allowance for aggregate base stone (NCDOT CABC). (Addendum 1)
 - c. ~~1000-cubic yards of~~ \$10,000 allowance for imported structural fill. (Addendum 1)
 - d. All of the above allowances shall be INCLUDED in the subcontractor's total bid amount as separate line items.
37. Asphalt Binder and Fuel F.O.B Index: This Subcontractor shall include in their base bid a price per ton on Asphalt Binder and price per gallon on Fuel F.O.B. In the event there is fluctuation on these prices this Subcontractor shall utilize current prices from the NCDOT Asphalt Binder and Fuel F.O.B. Index noted below:
 - a. <https://connect.ncdot.gov/projects/construction/lists/monthly%20terminal%20asphalt%20binder%20%20fuel%20fob%20prices/allitems.aspx>
 - b. If Asphalt Binder and Fuel F.O.B prices are higher than base bid at the time of ordering, the subcontractor will be issued a change order.
 - c. If Asphalt Binder and Fuel F.O.B. prices are lower than base bid at the time of ordering, the owner will be issued a credit back.
38. Base bid is to ~~bring in imported fill~~ utilize the on-site borrow pit as shown in the attached exhibit for all necessary fill for this project including but not limited to building pads, parking lots, roads and other structural fill. Also refer to Bid Manual Alternate NO. 6 – 100% Imported Fill in Lieu of Onsite Borrow Pit to provide alternate for base bid of onsite borrow pit use. (Addendum 1)
39. Remote Fire Department Connection if shown, is by this subcontractor.
40. Subcontractor is responsible for site surcharge requirements and monitoring of back fill over seven (7) feet.

B. DESCRIPTION OF SCOPE EXCLUSIONS

The following is a complete and exhaustive list of exclusions from the Scope of Work:

1. Soil testing is done by the Owner; retesting costs is the responsibility of this Subcontractor.
2. Termite Control under slab on grade (by Concrete Subcontractor)
3. All Site Electrical (by Electrical Subcontractor)
4. Site Landscaping included in Section 32 92 00 Lawns and Grasses and Section 32 93 00 Exterior Plants (by Landscaping Subcontractor)



ECS Southeast, LLC
 6714 Netherlands Drive
 Wilmington, NC 28405
 T 910.686.9114
 F 910.686.9666

LETTER OF TRANSMITTAL

March 03, 2025
 Metcon Inc.

Raleigh, NC 27603

ATTN: David Jackson

RE: **New E.B. Frink Middle School**
 ECS Job # **22:35815**

Permits:
 Location: **405 North Charles Street**
LaGrange, NC 27603

☒ Field Reports ☒ For your use ☒ As requested

CC:

ENCL:

As requested, ECS Southeast, LLC (ECS) has performed the laboratory testing on the Proposed Fill materials picked up from the above referenced project site.

The samples were tested in accordance with test procedures Laboratory Compaction Characteristics of Soil Using Standard Effort (ASTM D-698), Particle-Size Analysis of Soils (ASTM D-422), Liquid Limit, Plastic Limit and Plasticity Index of Soils (ASTM D-4318), and Classification of Soils for Engineering Purposes (ASTM D-2487). The Test data for the samples are attached.

The samples D4S-1 and D4S-6 tested are in accordance with the project specifications for use as Structural Fill. The other samples tested are outside the Geotechnical specification for structural fill.

If Samples D4S-2 through D4S-5 are used for fill, proper care should be taken to moisture condition the soil to provide adequate compaction results.

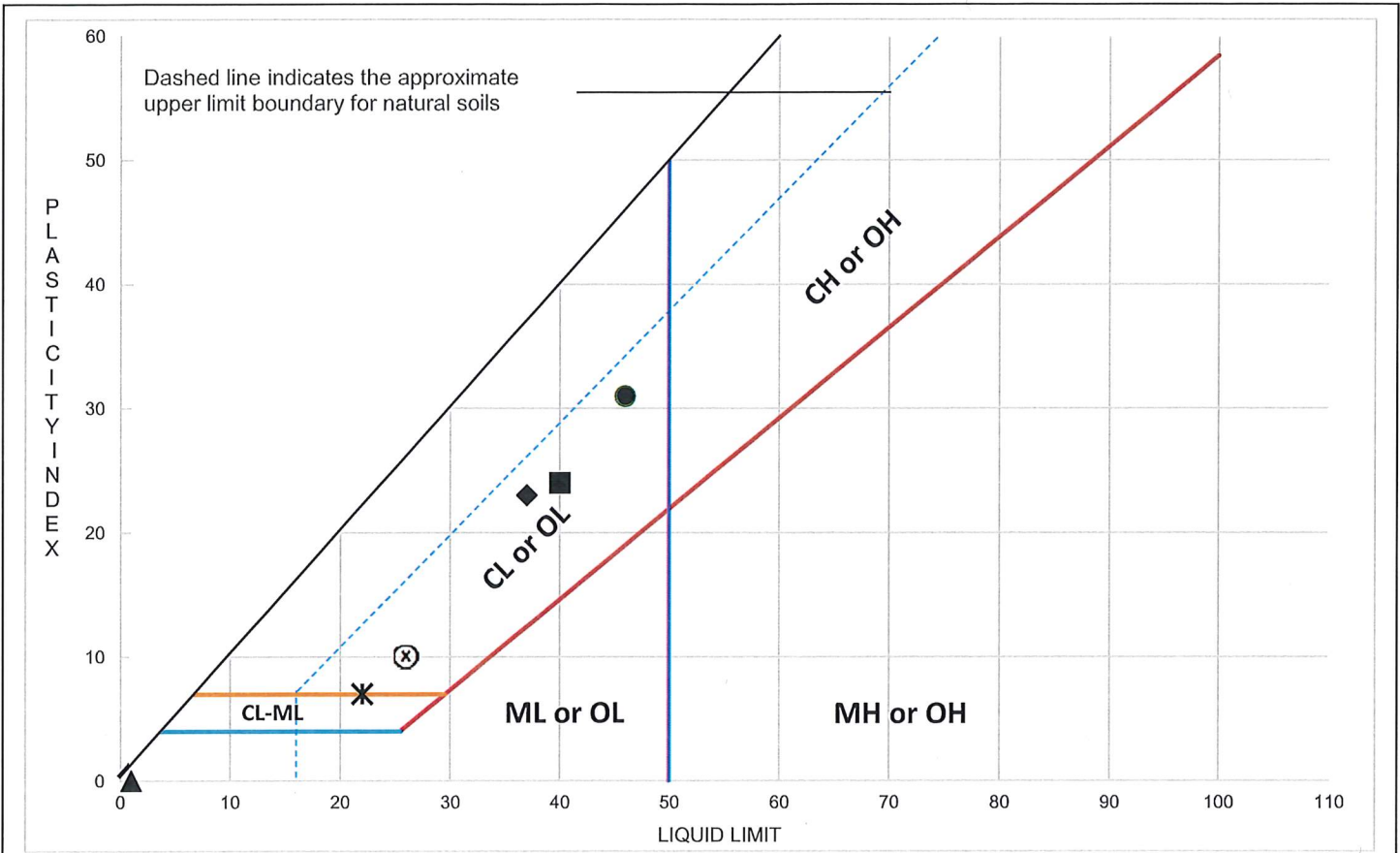
Kris J. Stamm
 Office Manager, Principal

Wade A. Wetherington, E.I.
 Project Manager

Disclaimer

1. This report (and any attachments) shall not be reproduced except in full without prior written approval of ECS.
2. The information in this report relates only to the activities performed on the report date.
3. Where appropriate, this report includes statements as to compliance with applicable project drawings, and specifications for the activities, performed on this report date.
4. Incomplete or non-conforming work will be reported for future resolution.
5. The results of samples and/or specimens obtained or prepared for subsequent laboratory testing will be presented in separate reports/documents.

LIQUID AND PLASTIC LIMITS TEST REPORT



TEST RESULTS (ASTM D4318-10 (MULTIPOINT TEST))

	Sample Location	Sample Number	Sample Depth (ft)	LL	PL	PI	%<#40	%<#200	AASHTO	USCS	Material Description
■	TP-1 clay	D4S-2	0.00-2.00	40	16	24	89.8	46.5	A-6	SC	orange/brown clay
◆	TP-1 composite	D4S-3	0.00-2.00	37	14	23	82.2	32.4	A-2-6	SC	tan sand + orange/brown clay
▲	TP-1 sand	D4S-1	0.00-2.00	NP	NP	NP	73.4	16.7	A-2-4	SM	tan sand
●	TP-2	D4S-4	0.00-2.00	46	15	31	73.9	40.7	A-7-6	SC	orange brown sandy clay
*	TP-3	D4S-5	0.00-2.00	22	15	7	84.4	38.2	A-4	SC-SM	orange/brown clayey sand
⊗	TP-6	D4S-6	0.00-2.00	26	16	10	54.1	16.9	A-2-4	SC	gray clayey sand

Project: New E.B. Frink Middle School
Client: Metcon Inc.

Project No.: 22:35815
Date Reported: 2/28/2025



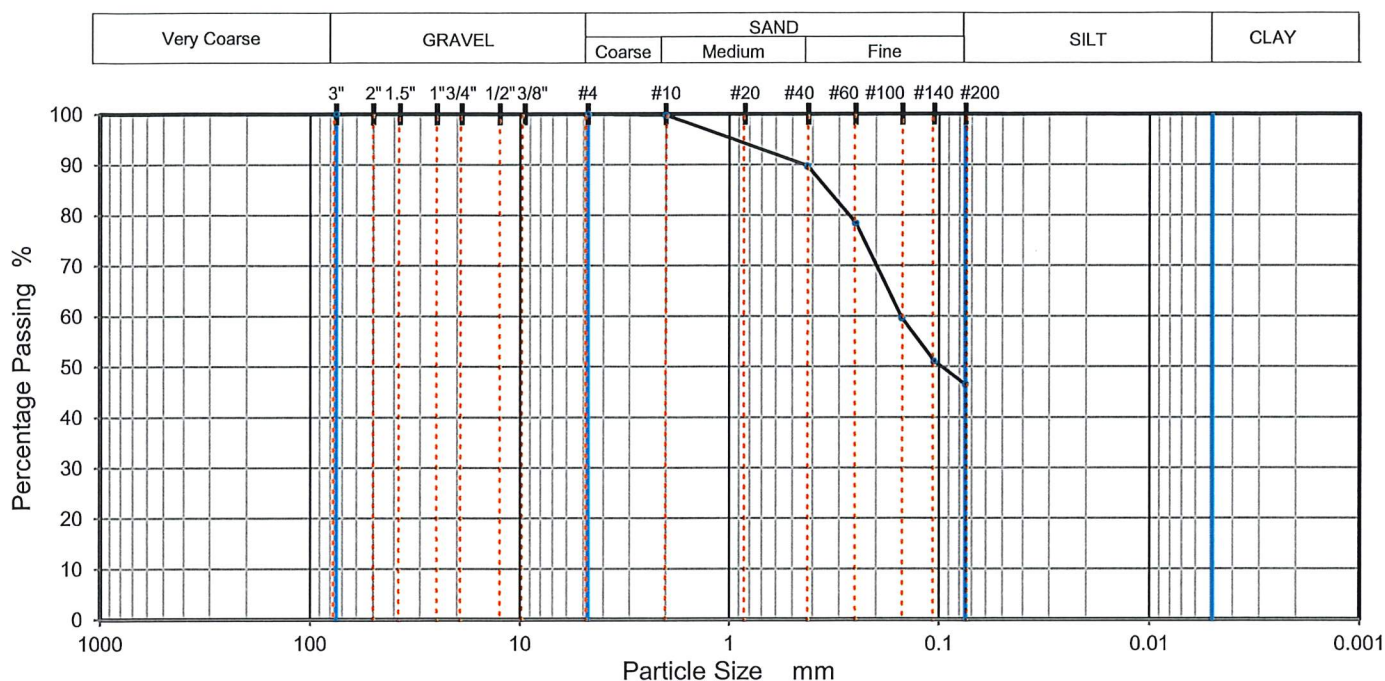
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Wilmington, NC 28405

Office Number / Fax
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(910)686-9666

Tested by	Checked by	Approved by	Date Received
		MYoung1	

PARTICLE SIZE DISTRIBUTION



TEST RESULTS (ASTM D6913M-17-METHOD A)

Sieving		Hydrometer Sedimentation	
Particle Size	% Passing	Particle Size mm	% Passing
3"	100		
#4	100		
#10	100		
#40	90		
#60	79		
#100	60		
#140	51		
#200	47		

Dry Mass of sample, g

279.3

Sample Proportions	% dry mass
Very coarse, >3" sieve	0
Gravel, 3" to # 4 sieve	0
Coarse Sand, #4 to #10 sieve	0
Medium Sand, #10 to #40	10
Fine Sand, #40 to #200	43
Fines <#200	47

USCS	SC	Liquid Limit	40	D90	0.438	D50	0.097	D10	
AASHTO	A-6	Plastic Limit	16	D85	0.339	D30		Cu	
USCS Group Name	Clayey sand	Plasticity Index	24	D60	0.151	D15		Cc	

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample Description: orange/brown clayey sand

Sample Source: TP-1 clay

Project No.: 22:35815

Depth (ft): 0.0 - 2.0

Sample No.: D4S-2

Date Reported: 2/28/2025



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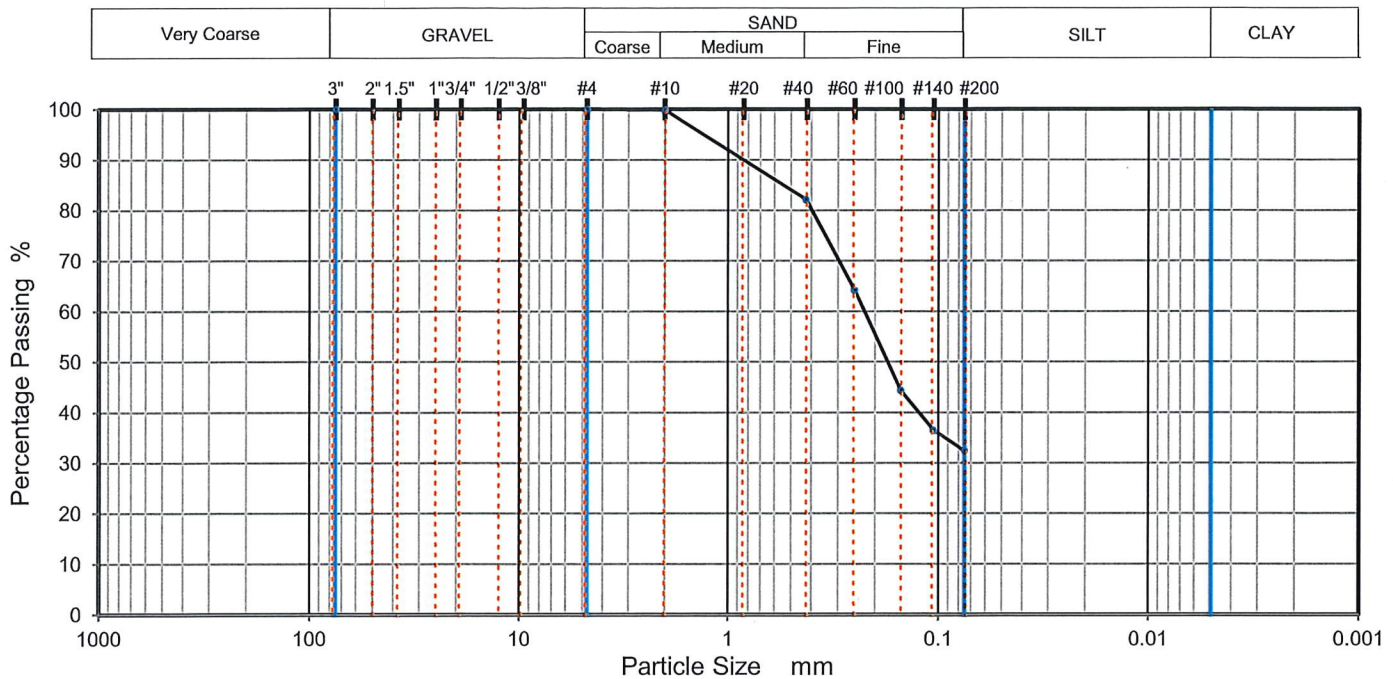
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PARTICLE SIZE DISTRIBUTION



TEST RESULTS ()

Sieving		Hydrometer Sedimentation	
Particle Size	% Passing	Particle Size mm	% Passing
3"	100.0		
#4	100.0		
#10	99.9		
#40	82.2		
#60	64.3		
#100	44.4		
#140	36.5		
#200	32.4		

Dry Mass of sample, g

424.1

Sample Proportions	% dry mass
Very coarse, >3" sieve	0.0
Gravel, 3" to # 4 sieve	0.0
Coarse Sand, #4 to #10 sieve	0.1
Medium Sand, #10 to #40	17.7
Fine Sand, #40 to #200	49.8
Fines <#200	32.4

USCS	SC	Liquid Limit	37	D90	0.841	D50	0.173	D10	
AASHTO	A-2-6	Plastic Limit	14	D85	0.543	D30		Cu	
USCS Group Name	Clayey sand	Plasticity Index	23	D60	0.224	D15		Cc	

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample Description: tan silty sand + orange/brown clayey sand

Sample Source: TP-1 composite

Project No.: 22:35815

Depth (ft): 0.0 - 2.0

Sample No.: D4S-3

Date Reported: 2/28/2025



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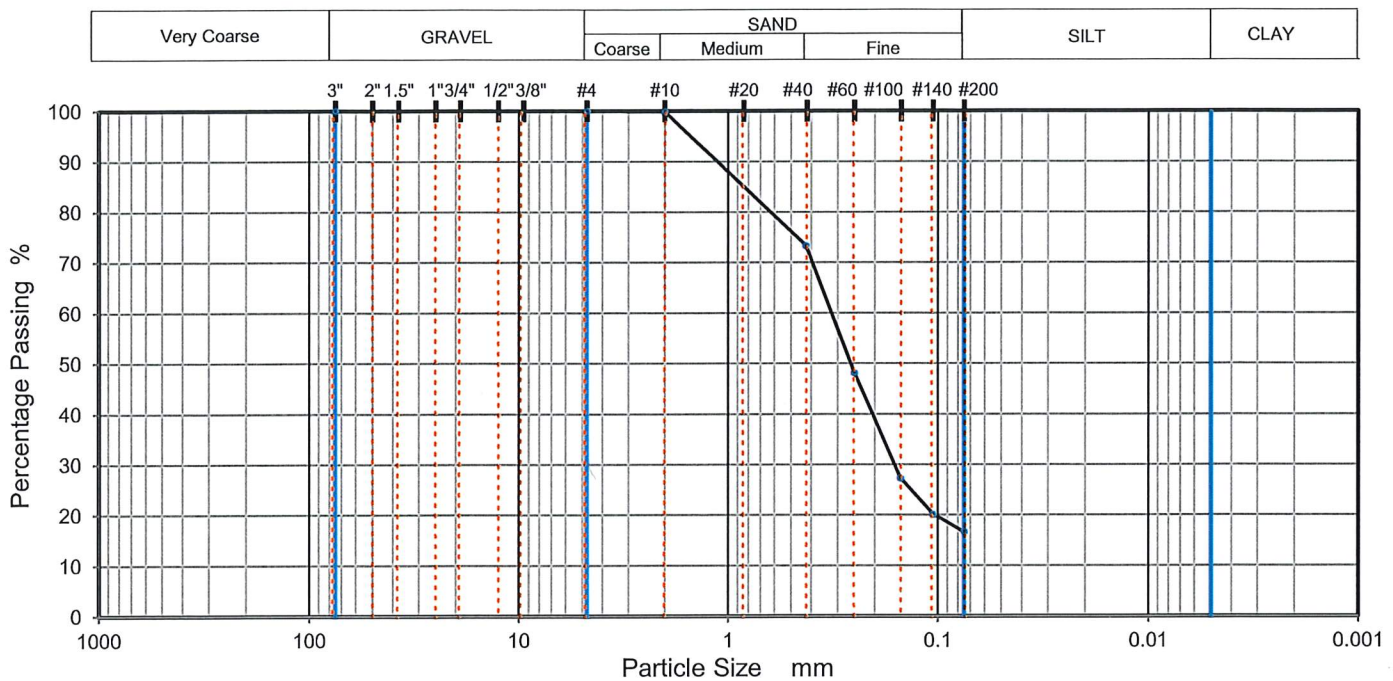
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PARTICLE SIZE DISTRIBUTION



TEST RESULTS (ASTM D6913M-17-METHOD A)

Sieving		Hydrometer Sedimentation	
Particle Size	% Passing	Particle Size mm	% Passing
3"	100		
#4	100		
#10	100		
#40	73		
#60	48		
#100	27		
#140	20		
#200	17		

Dry Mass of sample, g

298.8

Sample Proportions	% dry mass
Very coarse, >3" sieve	0
Gravel, 3" to # 4 sieve	0
Coarse Sand, #4 to #10 sieve	0
Medium Sand, #10 to #40	27
Fine Sand, #40 to #200	57
Fines <#200	17

USCS	SM	Liquid Limit	NP	D90	1.121	D50	0.260	D10	
AASHTO	A-2-4	Plastic Limit	NP	D85	0.837	D30	0.160	Cu	
USCS Group Name	Silty sand	Plasticity Index	NP	D60	0.321	D15		Cc	

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample Description: tan silty sand

Sample Source: TP-1 sand

Project No.: 22:35815

Depth (ft): 0.0 - 2.0

Sample No.: D4S-1

Date Reported: 2/28/2025



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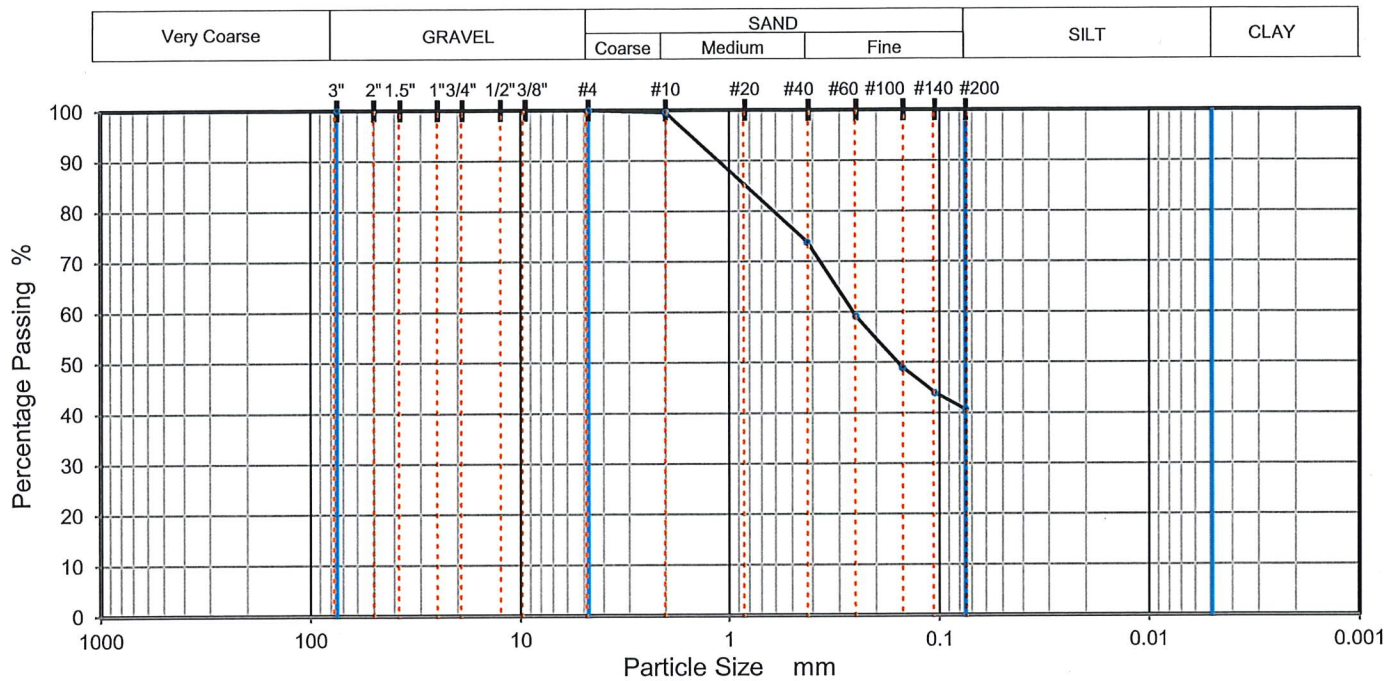
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PARTICLE SIZE DISTRIBUTION



TEST RESULTS (ASTM D6913M-17-METHOD A)

Sieving		Hydrometer Sedimentation	
Particle Size	% Passing	Particle Size mm	% Passing
3"	100		
#4	100		
#10	100		
#40	74		
#60	59		
#100	49		
#140	44		
#200	41		

Dry Mass of sample, g

254.4

Sample Proportions	% dry mass
Very coarse, >3" sieve	0
Gravel, 3" to # 4 sieve	0
Coarse Sand, #4 to #10 sieve	0
Medium Sand, #10 to #40	26
Fine Sand, #40 to #200	33
Fines <#200	41

USCS	SC	Liquid Limit	46	D90	1.121	D50	0.158	D10	
AASHTO	A-7-6	Plastic Limit	15	D85	0.830	D30		Cu	
USCS Group Name	Clayey sand	Plasticity Index	31	D60	0.257	D15		Cc	

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample Description: orange/brown clayey sand

Sample Source: TP-2

Project No.: 22:35815

Depth (ft): 0.0 - 2.0

Sample No.: D4S-4

Date Reported: 2/28/2025



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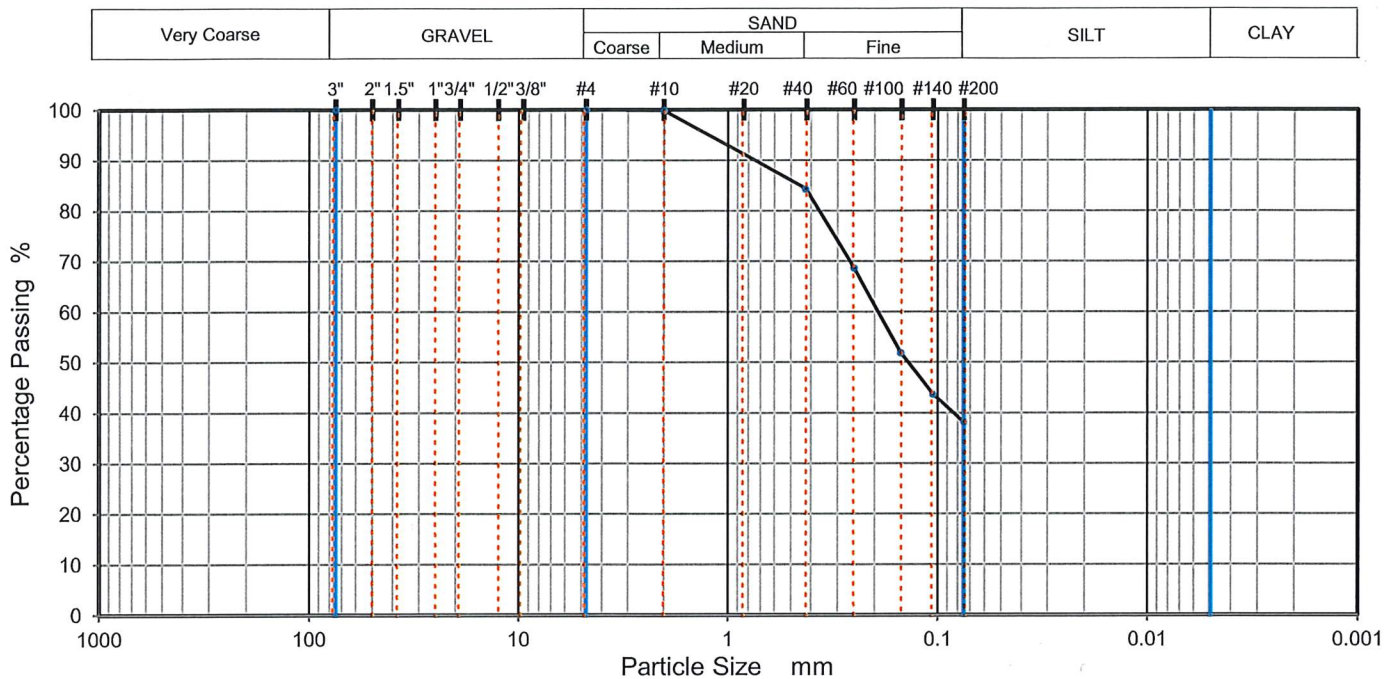
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PARTICLE SIZE DISTRIBUTION



TEST RESULTS (ASTM D6913M-17-METHOD A)

Sieving		Hydrometer Sedimentation	
Particle Size	% Passing	Particle Size mm	% Passing
3"	100		
#4	100		
#10	100		
#40	84		
#60	69		
#100	52		
#140	44		
#200	38		

Dry Mass of sample, g

273.9

Sample Proportions	% dry mass
Very coarse, >3" sieve	0
Gravel, 3" to # 4 sieve	0
Coarse Sand, #4 to #10 sieve	0
Medium Sand, #10 to #40	16
Fine Sand, #40 to #200	46
Fines <#200	38

USCS	SC-SM	Liquid Limit	22	D90	0.744	D50	0.138	D10	
AASHTO	A-4	Plastic Limit	15	D85	0.451	D30		Cu	
USCS Group Name	Silty, clayey sand	Plasticity Index	7	D60	0.192	D15		Cc	

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample Description: orange/brown silty clayey sand

Sample Source: TP-3

Project No.: 22:35815

Depth (ft): 0.0 - 2.0

Sample No.: D4S-5

Date Reported: 2/28/2025



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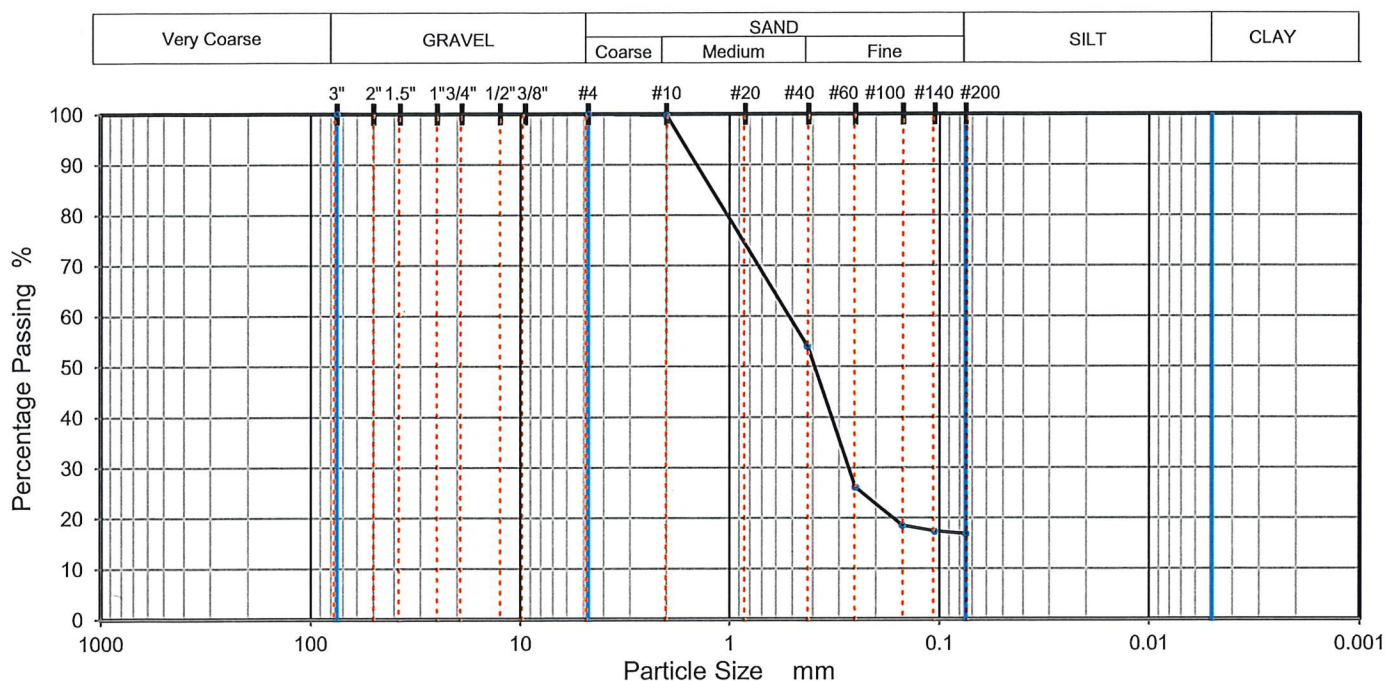
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PARTICLE SIZE DISTRIBUTION



TEST RESULTS (ASTM D6913M-17-METHOD A)

Sieving		Hydrometer Sedimentation	
Particle Size	% Passing	Particle Size mm	% Passing
3"	100		
#4	100		
#10	100		
#40	54		
#60	26		
#100	19		
#140	17		
#200	17		

Dry Mass of sample, g

347.6

Sample Proportions	% dry mass
Very coarse, >3" sieve	0
Gravel, 3" to # 4 sieve	0
Coarse Sand, #4 to #10 sieve	0
Medium Sand, #10 to #40	46
Fine Sand, #40 to #200	37
Fines <#200	17

USCS	SC	Liquid Limit	26	D90	1.435	D50	0.393	D10	
AASHTO	A-2-4	Plastic Limit	16	D85	1.211	D30	0.269	Cu	
USCS Group Name	Clayey sand	Plasticity Index	10	D60	0.519	D15		Cc	

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample Description: gray clayey sand

Sample Source: TP-6

Project No.: 22:35815

Depth (ft): 0.0 - 2.0

Sample No.: D4S-6

Date Reported: 2/28/2025



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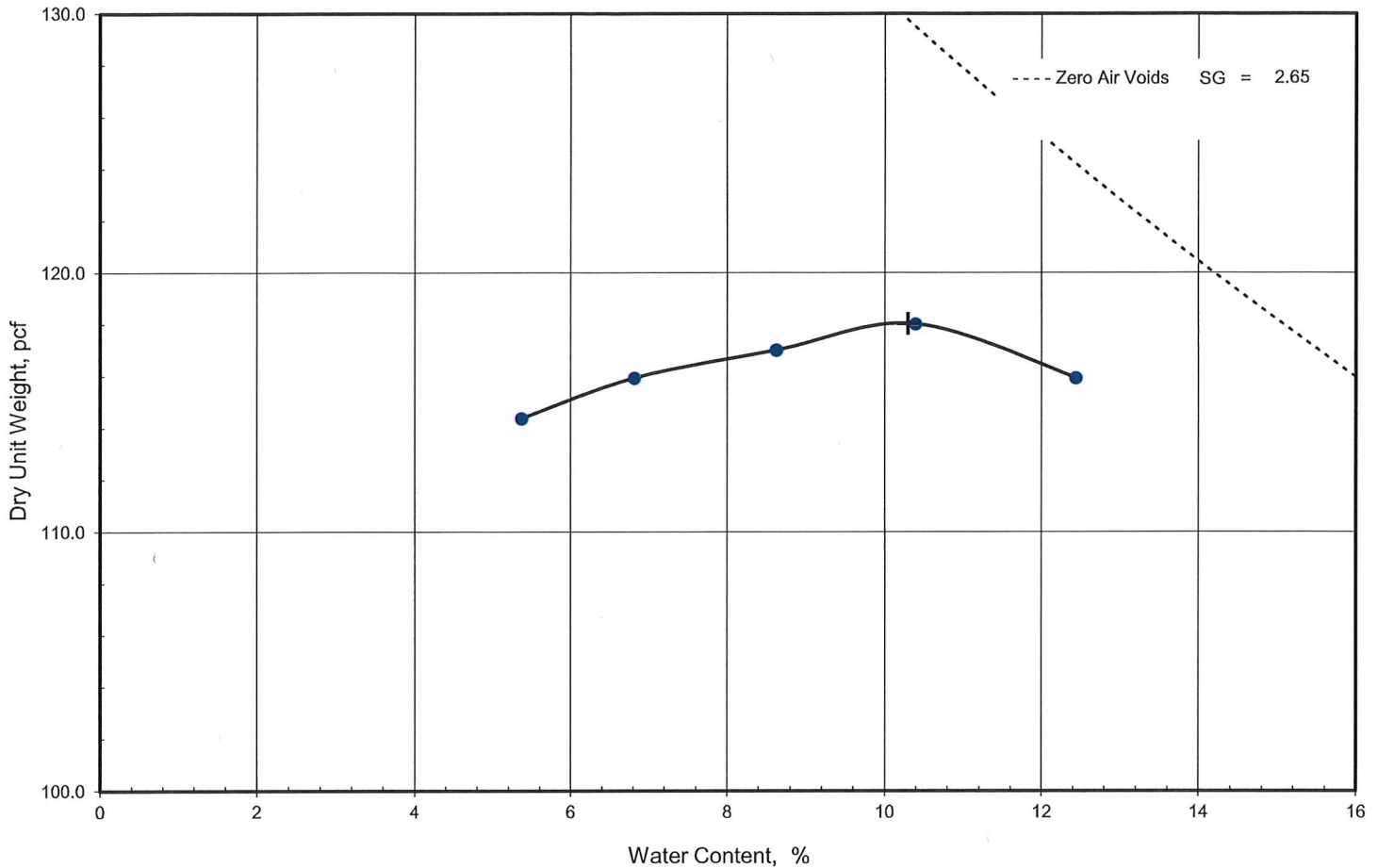
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Tested by	Checked by	Approved by	Date Received	Remarks
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Laboratory Compaction Characteristics of Soil Using Standard Effort



Optimum Moisture Content		10.3	%	Preparation		ASTM dry preparation method	
Maximum Dry Unit Weight		118.0	pcf	Type of rammer		Manual - 5.5lbf (24.5N)	
				Test Specification / Method		ASTM D698-12e2-method A	
				Specific gravity - D854 water pycnometer		2.65	Historical
Cumulative material retained on:				Coarse Aggregate Specific Gravity -			
	3/4 in. sieve	0.0	%				
	3/8 in. sieve		%				
	#4 sieve	0.2	%				

Soil Description	Nat. Moist. %	Liquid Limit	Plasticity Index	% < #200	USCS	AASHTO
tan silty sand		NP	NP	16.7	SM	A-2-4

Project: New E.B. Frink Middle School
 Client: Metcon Inc.
 Sample / Source: TP-1 sand
 Test Reference/No.:

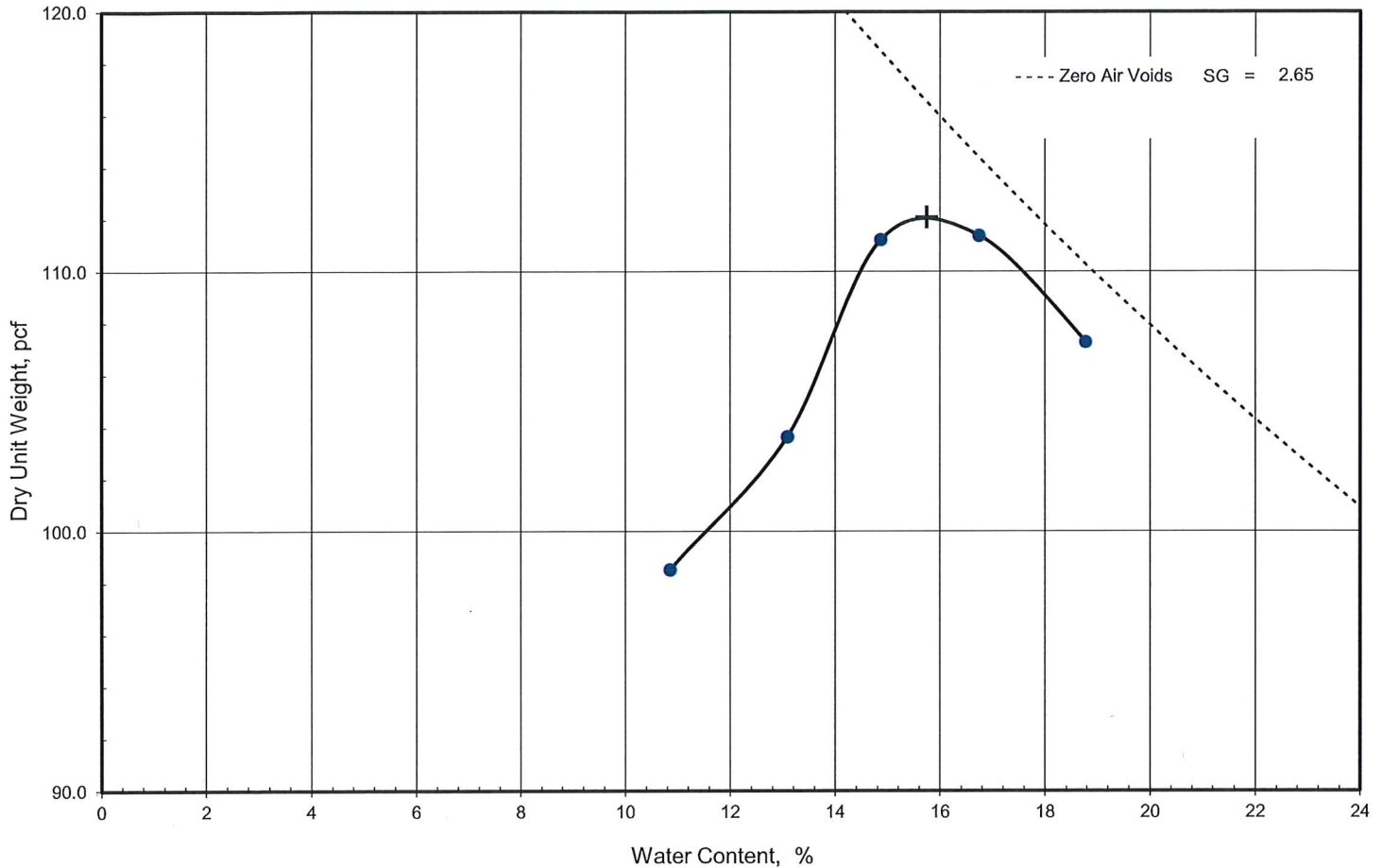
Project No.: 22:35815
 Depth (ft.): 0 - 2
 Sample No.: D4S-1
 Date Reported: 2/28/2025



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		MYoung1		

Laboratory Compaction Characteristics of Soil Using Standard Effort



Optimum Moisture Content		15.7	%	Preparation	ASTM dry preparation method
Maximum Dry Unit Weight		112.1	pcf	Type of rammer	Manual - 5.5lbf (24.5N)
				Test Specification / Method	ASTM D698-12e2-method A
				Specific gravity - D854 water pycnometer	2.65 Historical
Cumulative material retained on:		3/4 in. sieve	0.0 %	Coarse Aggregate Specific Gravity -	
		3/8 in. sieve	%		
		#4 sieve	0.4 %		

Soil Description	Nat. Moist. %	Liquid Limit	Plasticity Index	% < #200	USCS	AASHTO
orange/brown clayey sand		40	24	46.5	SC	A-6

Project: New E.B. Frink Middle School
 Client: Metcon Inc.
 Sample / Source: TP-1 clay
 Test Reference/No.:

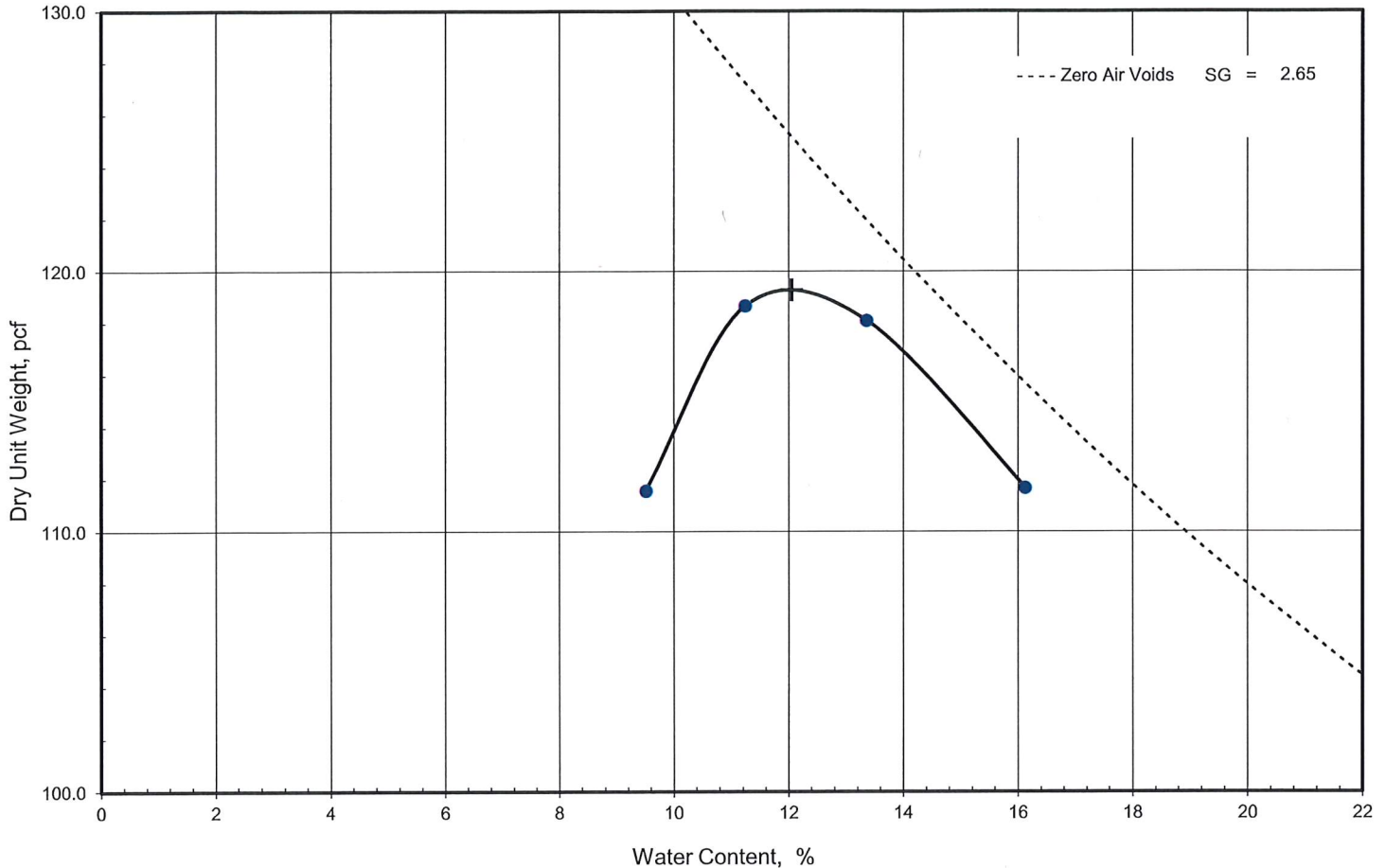
Project No.: 22:35815
 Depth (ft.): 0 - 2
 Sample No.: D4S-2
 Date Reported: 2/28/2025



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Tested by	Checked by	Approved by	Date Received	Remarks
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Laboratory Compaction Characteristics of Soil Using Standard Effort



Optimum Moisture Content		12.0	%	Preparation	ASTM dry preparation method	
Maximum Dry Unit Weight		119.3	pcf	Type of rammer	Manual - 5.5lbf (24.5N)	
				Test Specification / Method	ASTM D698-12e2-method A	
				Specific gravity - D854 water pycnometer	2.65	Historical
Cumulative material retained on:		3/4 in. sieve	0.0	Coarse Aggregate Specific Gravity -		
		3/8 in. sieve	%			
		#4 sieve	0.3			

Soil Description	Nat. Moist. %	Liquid Limit	Plasticity Index	% < #200	USCS	AASHTO
tan silty sand + orange/brown clayey sand		37	23	32.4	SC	A-2-6

Project: New E.B. Frink Middle School
 Client: Metcon Inc.
 Sample / Source: TP-1 composite
 Test Reference/No.:

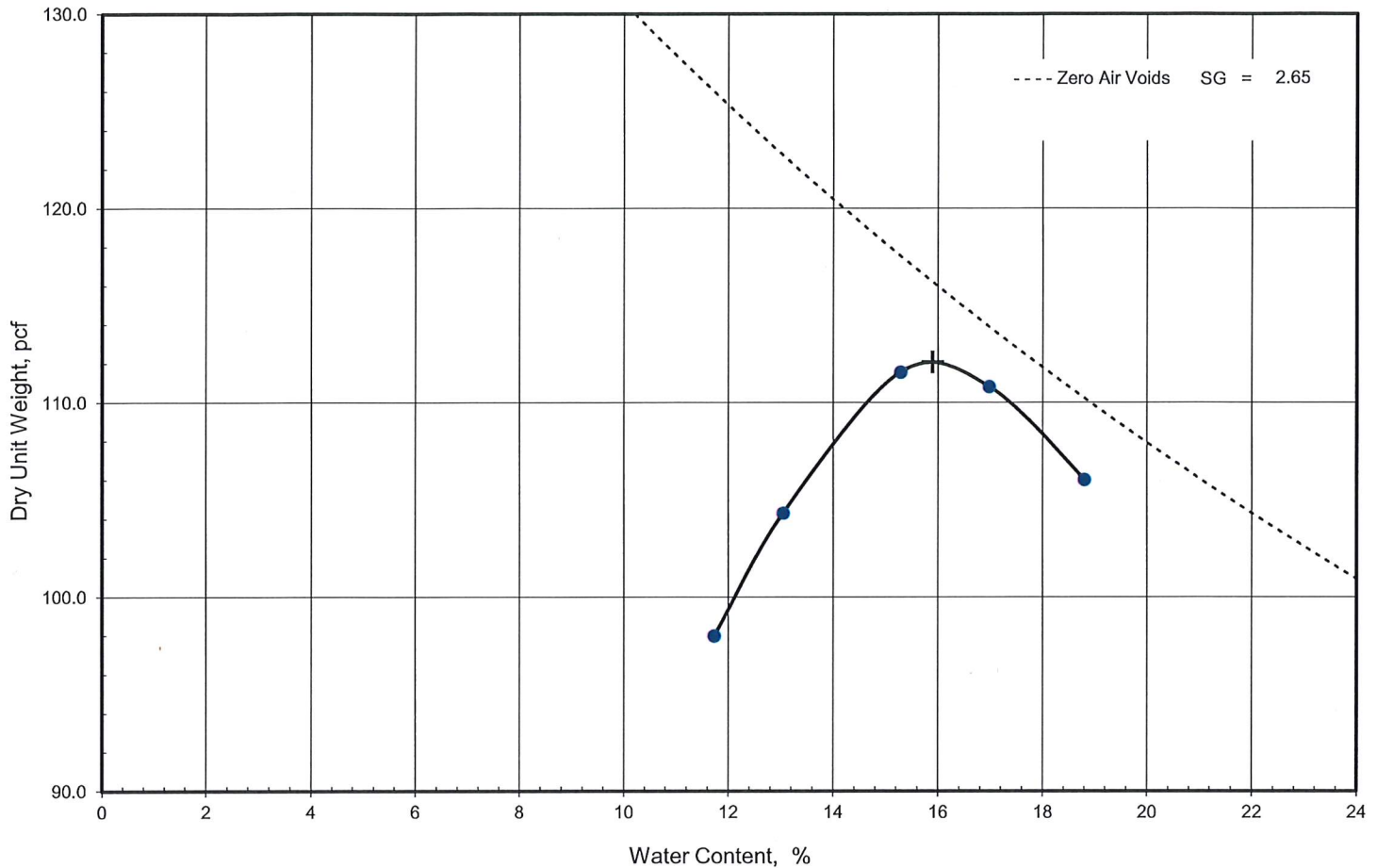
Project No.: 22:35815
 Depth (ft.): 0 - 2
 Sample No.: D4S-3
 Date Reported: 2/28/2025



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Laboratory Compaction Characteristics of Soil Using Standard Effort



Optimum Moisture Content

15.9 %

Maximum Dry Unit Weight

112.1 pcf

Preparation

ASTM dry preparation method

Type of rammer

Manual - 5.5lbf (24.5N)

Test Specification / Method

ASTM D698-12e2-method A

Specific gravity - D854 water pycnometer

2.65 Historical

Cumulative material retained on:

3/4 in. sieve 0.0 %

3/8 in. sieve %

#4 sieve 0.3 %

Coarse Aggregate Specific Gravity -

Soil Description

Nat.
Moist. %

Liquid Limit

Plasticity
Index

% < #200

USCS

AASHTO

orange/brown clayey sand

46

31

40.7

SC

A-7-6

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample / Source: TP-2

Test Reference/No.:

Project No.: 22:35815

Depth (ft.): 0 - 2

Sample No.: D4S-4

Date Reported: 2/28/2025



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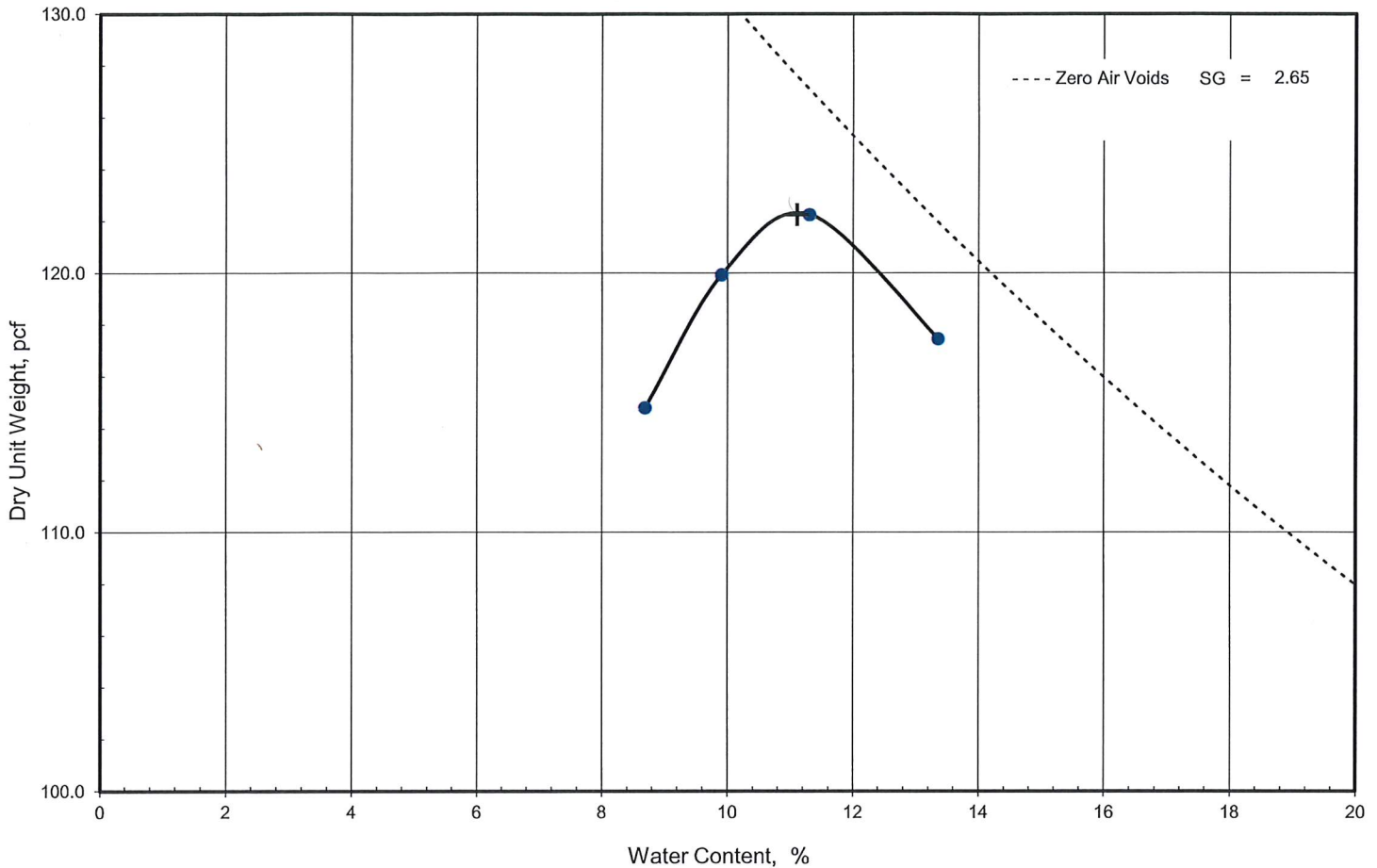
Approved by

Date Received

Remarks

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Laboratory Compaction Characteristics of Soil Using Standard Effort



Optimum Moisture Content

11.1 %

Maximum Dry Unit Weight

122.3 pcf

Preparation

ASTM dry preparation method

Type of rammer

Manual - 5.5lbf (24.5N)

Test Specification / Method

ASTM D698-12e2-method A

Specific gravity - D854 water pycnometer

2.65 Historical

Cumulative material retained on:

3/4 in. sieve 0.0 %

3/8 in. sieve %

#4 sieve 0.3 %

Coarse Aggregate Specific Gravity -

Soil Description

Nat. Moist. %

Liquid Limit

Plasticity Index

% < #200

USCS

AASHTO

orange/brown silty clayey sand

22

7

38.2

SC-SM

A-4

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample / Source: TP-3

Test Reference/No.:

Project No.: 22:35815

Depth (ft.): 0 - 2

Sample No.: D4S-5

Date Reported: 2/28/2025



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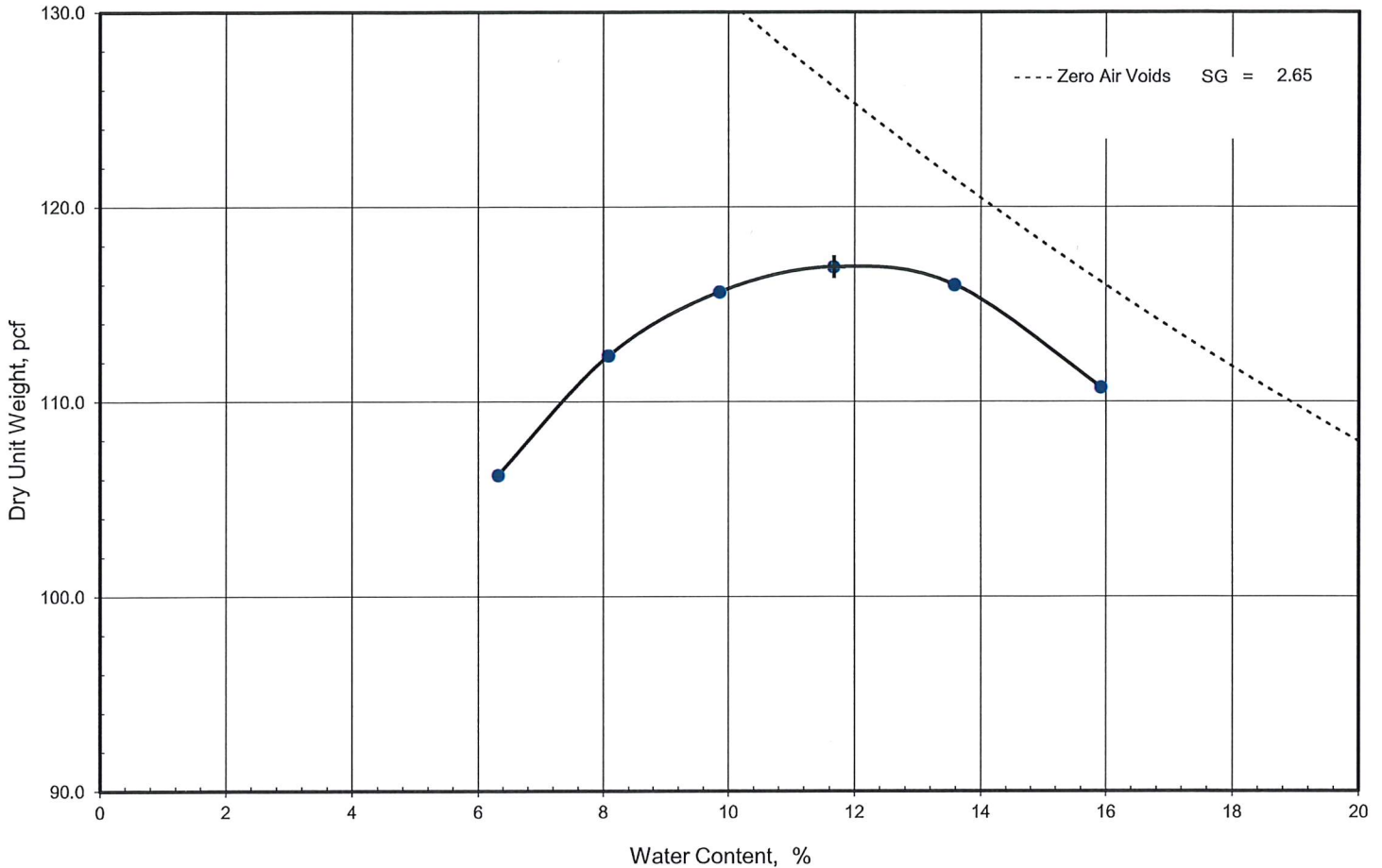
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Laboratory Compaction Characteristics of Soil Using Standard Effort



Optimum Moisture Content

11.7 %

Maximum Dry Unit Weight

116.9 pcf

Preparation

ASTM dry preparation method

Type of rammer

Manual - 5.5lbf (24.5N)

Test Specification / Method

ASTM D698-12e2-method A

Specific gravity - D854 water
pycnometer

2.65 Historical

Cumulative material retained on:

3/4 in. sieve 0.0 %

3/8 in. sieve %

#4 sieve 0.3 %

Coarse Aggregate Specific Gravity -

Soil Description

Nat.
Moist. %

Liquid Limit

Plasticity
Index

% < #200

USCS

AASHTO

gray clayey sand

26

10

16.9

SC

A-2-4

Project: New E.B. Frink Middle School

Client: Metcon Inc.

Sample / Source: TP-6

Test Reference/No.:

Project No.: 22:35815

Depth (ft.): 0 - 2

Sample No.: D4S-6

Date Reported: 2/28/2025



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LETTER OF TRANSMITTAL

February 26, 2025
Metcon Inc.

Raleigh, NC 27603
ATTN: David Jackson

RE: **New E.B. Frink Middle School**
ECS Job # **22:35815**

Permits:
Location: **405 North Charles Street**
LaGrange, NC 27603

☒ Field Reports ☒ For your use ☒ As requested

CC:

ENCL: Field Report # 1 2/24/2025 Test Pits

Kris J. Stamm
Office Manager, Principal

Wade A. Wetherington, E.I.
Project Manager

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3. Where appropriate, this report includes statements as to compliance with applicable project drawings, and specifications for the activities, performed on this report date.
4. Incomplete or non-conforming work will be reported for future resolution.
5. The results of samples and/or specimens obtained or prepared for subsequent laboratory testing will be presented in separate reports/documents.

**ECS Southeast, LLC**

6714 Netherlands Drive

Wilmington, NC 28405

T 910.686.9114

F 910.686.9666

FIELD REPORT

Project **New E.B. Frink Middle School**
 Location **LaGrange, NC**
 Client **Metcon Inc.**
 Contractor **Metcon Inc.**

Project No. **22:35815**
 Report No. **1**
 Day & Date **Monday 2/24/2025**
 Weather **60 °/ Sunny**
 On-Site Time **4.00**
 Lab Time **0.50**
 Travel Time* **1.50**
 Total **6.00**
 Re Obs Time **0.00**

Remarks **Test Pits**

Trip Charges*	Tolls/Parking*	Mileage* 70	Time of Arrival	Departure
Chargeable Items			8:00A	12:00P

* Travel time and mileage will be billed in accordance with the contract.

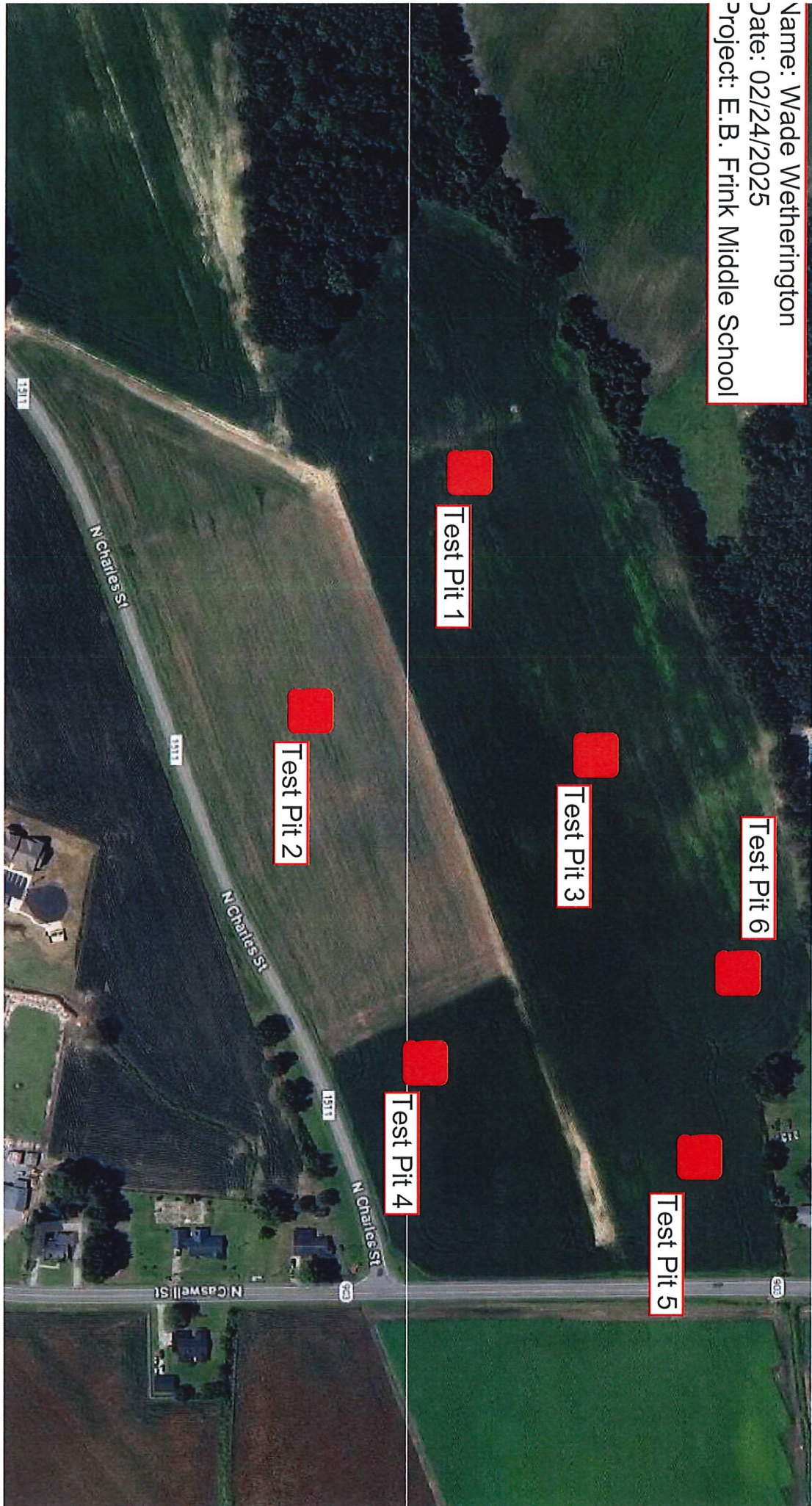
Summary of Services Performed (field test data, locations, elevations & depths are estimates) & Individuals Contacted.
--

The undersigned arrived on site, as requested, to observe the excavation of test pits and obtain representative samples of the soil proposed for structural fill material. Six test pits were excavated in the adjacent field to the site location. Five representative samples were taken from the site. A sixth composite sample will be created as shown below.

TP-1: Sand (1'-2.5')
 TP-1: Clay (2.5'-5')
 TP-1 Composite Sample (1'-5')
 TP-2: Clay (2'-5')
 TP-3: Clayey Sand (1'-4')
 TP-4: Unsuitable for Structural Fill (No Sample)
 TP-5: Unsuitable for Structural Fill (No Sample)
 TP-6: Sand (1'-3.5')

The samples were returned to the ECS laboratory for Standard Proctor (ASTM D 698), Liquid Limit, Plastic Limit and Plasticity Index of Soils (ASTM D-4318), and Classification of Soils for Engineering Purposes (ASTM D-2487) testing.

Name: Wade Wetherington
Date: 02/24/2025
Project: E.B. Frink Middle School





ADDENDUM NO.1 -March 5, 2025



Project: EB Frink Middle School
405 North Charles Street
LaGrange, North Carolina, 28551

From: SfL+a Architects
333 Fayetteville Street, Suite 225
Raleigh, North Carolina 27601
(919) 573-6350 FAX (919) 573-6355

To: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Construction Documents dated February 18, 2025, as noted below. Acknowledge receipt of this Addendum by writing its number and date on the Bid Form. Failure to do so may subject the bidder to disqualification.

This Addendum consists of 4 pages of responses, 27 pages of specifications and 8 pages of drawings.

CONTRACTOR BID QUESTIONS – From CM RFI Log

Item #1. **Question:** In reference to the Control joint on S-301 detail 14, shows CJ at columns but none are shown on the Slab Plan. Please provide a drawing showing CJ around Columns to insure the CJ are in the correct location.

- **Answer: This will be addressed in a forthcoming addendum.**

Item #2. **Question:** There are a few floor drains located throughout the building but nowhere on the drawings show sloped concrete, please advise if the concrete slab needs to be sloped to the drain in a few areas.

- **Answer: There are not additional floors sloping at floor drains. For kitchen floor drains, refer to details 1 and 2 on A-511. In restroom locations reduce floor sink dimension to 2'x2'.**

Item #3. **Question:** Hose bibbs are located in a few mechanical closets but aren't in all. Please confirm if hose bibbs are required in other mechanical closets.

- **Answer: Hose bibbs are located correctly and are not intended to be in all locations.**

Item #4. **Question:** Need extended column lines from north to south on Structural and Architectural

- **Answer: This will be addressed in a forthcoming addendum.**

Item #5. **Question:** I- Beams in area 600,300,400,500 do not show TOS elevations

- **Answer: This will be addressed in a forthcoming addendum.**

Item #6. **Question:** In lieu of the front miscellaneous steel angle on the perimeter roof edge / face of the building. We suggest using metal framing

- **Answer: This will be addressed in a forthcoming addendum.**

Item #7. **Question:** Wall type L8A6 shown on A-010. Clarify where this wall type is located.

- **Answer: Wall type has been removed.**

Item #8. **Question:** No electrical floor box dimensions.

- **Answer: Dimensions shall be coordinated in a forthcoming addendum.**
- Item #9. **Question:** In reference to detail 8 on A-411 the casework does not show a clear dimension off of the adjacent wall. Please provide
- **Answer: Dimensions to be provided in Addendum #1.**
- Item #10. **Question:** Room Identification Signs. Please provide a signage schedule for the required room identification signs detailed on A-702
- **Answer: Signage schedule will not be provided. Refer to specification for additional details.**
- Item #11. **Question:** Dimensional Letter Sign - Building Face - Building Name. Please confirm the required copy: E.B. FRINK MIDDLE SCHOOL (18"). Please provide an exterior elevation drawing detailing the location of these building letters.
- **Answer: Drawings have been updated to indicate location and dimension. See specification for revisions. Revisions to be issued in forthcoming addendum.**
- Item #12. **Question:** Primary Monumental Site Sign
Spec: (48) Total Characters (12")
(20) Total Characters (8")
A-502: EB FRINK MIDDLE SCHOOL (18")
405 (8") (2 Seys)
Please confirm the required quantity of dimensional characters required on the Monumental Site Sign.
- **Answer: A-502 is correct. Specs to be revised.**
- Item #13. Interior Metal Letters - Please confirm the required quantity of the following:
MEDIA CENTER , BAND , AGRICULTURE , ART , CHORUS , BUSINESS , STEM , HEALTH , BOYS , GIRLS
- **Answer: Refer to specification 101400 Part 2.6.B.5. for sign quantities requested.**
- Item #18. The vented cove base is included in two spec sections-wood athletic flooring 096466 and resilient flooring 096500. Can you confirm it needs to be covered by the wood athletic flooring package?
- **Answer: Vented base to be covered by Wood Athletic Flooring package. Spec 096500 Section 2.4 to be removed for clarity in Addendum #1.**
- Item #19. **Question:** Please provide EOS dimensions, Center of footing dimensions off column lines, Center of columns in reference to column lines.
- **Answer: This will be addressed in a forthcoming addendum.**
- Item #20. Note on elevations on 6/A-411 & 5/A-412 at Science classrooms calls for resinous finish at the eyewash stations on both the walls and the floors. The finish plans, however, show the eyewash stations get LVT flooring. Please confirm which floor finish is correct.
- a. **Answer: Resinous flooring to be provided at eyewash stations, Finish Plans to be revised in Addendum #1.**
- Item #23. Finish schedule notes for RF1 and RF2 rubber stair finishes. These finishes are not in spec 096500 that indicates sizes, profiles desired. Please advise.
- **Answer: Spec 09 65 00 to be updated in Addendum #1.**
- Item #24. Gym Storage #122A is hatched with LVT1 on the finish plan. Finish tag notes for floor finish to be SC1. Please advise on correct floor finish.
- **Answer: Flooring in Gym Storage 122A to be Sealed Concrete, hatch pattern to be updated in Addendum #1.**

Item #25. #122A also has a step up to platform 122. Note on A-111 says to reference A-432 for typ. stair details, but doesn't note which detail is used. Please advise if this step will receive a rubber stair tread/riser (16/A-432) or will be just a concrete filled pan (13/A-432).

- ***Answer: Refer to detail 13/A-432 detail for concrete filled pan. Detail 16 has been removed.***

Item #26. Please confirm stair 216 will need RF1 at the mid-landing and rubber treads/risers as noted in detail 16 on A-432.

- ***Answer: Detail 16 has been removed. Refer to detail 13 for typical detail. Sealed concrete.***

CHANGES TO SPECIFICATIONS

SECTION 01 21 00 Allowances

- Item #1. Revise Section 3.3 Schedule - Stipulated Sum Allowances (SSA) A. SSA-1: Security System. 1. Stipulated Sum: \$25,000.
- Item #2. Revise Section 3.3 Schedule - Stipulated Sum Allowances (SSA) B. SSA-1: Door Access Hardware. 1. Stipulated Sum: \$20,000.
- Item #3. Revise Section 3.3 Schedule - Stipulated Sum Allowances (SSA) J. SSA-1: Signage. 1. Stipulated Sum: \$10,000.
- Item #4. REMOVE Section 3.3 Schedule - Stipulated Sum Allowances (SSA) K. SSA-1: Sight Signage.
- Item #5. REMOVE Section 3.3 Schedule - Stipulated Sum Allowances (SSA) L. SSA-1: Interior Signage.
- Item #6. REMOVE Section 3.3 Schedule - Stipulated Sum Allowances (SSA) O. SSA-1: Interactive Floor and Wall system.

SECTION 01 23 00 Alternates

- Item #1. Revise 3.1 Schedule of Alternates to include new Alternate 5. to include Schindler Electric as an owner-preferred manufacturer.

SECTION 10 14 00 Signage

- Item #1. Revise Section 2.5 Custom Artwork Applied Vinyl Graphics to not be labeled as "ALTERNATE 2". This is included in the base scope of work.
- Item #2. Revise Section 2.6 Dimensional Letter Signs - B. Building Face - Building Name. Section 3 Characters to 24 inches high. to coordinate with revised documents.
- Item #3. Revise Section 2.6 Dimensional Letter Signs - C. Primary Monumental Site Sign. Section B Characters to 1) E.B. FRINK MIDDLE SHCOOL, 12 inches high and 2) 405, 9 inches high.

SECTION 09 65 00 - Resilient Flooring

- Item #1. REMOVED Section 2.4 Resilient Fall Base - Vented from section.
- Item #2. Added Section 2.4 Resilient Stair Coverings

SECTION 33 32 00 - Sanitary Sewer Equipment

- Item #1. REMOVED SECTION

CHANGES TO DRAWINGS

Architectural

- Item #7. A-010:
- L8A6 Wall type removed from sheet.
- Item #9. A-411:
- Dimension added for casework.
- Item #11. A-201:
- Dimensional letters added to exterior.
- Item #20. A-713:
- Flooring revised for eyewash station
- A-714:
- Flooring revised for eyewash station
- A-715:
- Flooring revised for eyewash station
- Item #24. A-711
- Flooring revised for gym storage.
- Item #25. A-432
- Detail 16 removed for clarity.
 - Detail 1: Roof protection removed - not in scope of work.

END OF ADDENDUM

SECTION 01 21 00

ALLOWANCES

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
 - 1. Certain items are specified in the Contract Documents by Allowances. Allowances have been established in lieu of additional requirements and to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.
- B. Allowance Types include the following:
 - 1. Unit Cost Allowances.
 - 2. Stipulated Sum Allowances
 - 3. Quantity Allowances.
 - 4. Contingency Allowances.
- C. Related Requirements:
 - 1. Division 01 Section "Unit Prices" for requirements related to Unit Prices.
 - 2. Division 01 Section "Alternates" for requirements related to Alternates.
 - 3. Division 01 Section "Contract Modification Procedures".
 - 4. Division 01 Section "Quality Requirements" for procedures governing the use of allowances for testing and inspection.
 - 5. Divisions 03 through 33 Sections for items of work covered by allowances.

1.3 ALLOWANCES - CONTRACT SUM

- A. Include in the Contract Sum all Allowances stated in the Contract Documents.

1.4 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection and purchase of each product and system described by an allowance must be completed to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the work.
- C. Purchase products and systems selected by Architect from the designated supplier and perform allowance work requirements.

1.5 ACTION SUBMITTALS

- A. Submit proposals for allowance work requirements included in allowances. Refer to Section 01 26 00 - Contract Modification Procedures.
 - 1. Include product data, shop drawing, and sample submittals for allowance items in same manner as for other portions of the Work.

1.6 INFORMATIONAL SUBMITTALS

- A. Submit invoices and delivery slips to show actual costs, and actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for services, and installation costs of allowance items that include installation as part of the allowance.

1.7 COORDINATION

- A. Contractor:
 - 1. Coordinate allowance items with other portions of the Work. Furnish templates as required to coordinate installation.
 - 2. Include each allowance as separate line item in the Schedule of Values.
 - 3. Assist Architect in selection of products, suppliers, and installers.
 - 4. Obtain suppliers' and installers' cost data. Submit lump sum cost proposals for the work to Architect and offer recommendations. Refer to Section 01 26 00 - Contract Modifications: Proposal procedures.
 - a. Include itemized explanation and documentation of proposed costs.
 - b. Cost is to be based upon completing the work within the Contract Time.
 - 5. Owner written approval is required prior to allowance work and use of allowance funds.
 - a. Progress payments for allowance work are not to be requested until Owner has provided written approval of the Contractor's proposal for the allowance work.
 - 6. Upon Architect's notification of Owner approval, execute purchase agreement with designated supplier and installer.
 - 7. Obtain and process shop drawings, product data, and samples.
 - 8. Provide for delivery and, upon delivery, promptly inspect products for completeness, damage, and defects. Submit claims for transportation damage to supplier and delivery service.
- B. Architect:
 - 1. Consult with Contractor regarding consideration and selection of products, suppliers, and installers.
 - 2. Consult with Owner to acquire Owner decisions and transmit decisions to Contractor.
 - 3. Prepare approval notification indicating the appropriate allowance and the amount authorized to be used with attached approved proposals and work descriptions. Distribute for authorization by Contractor and Owner.

1.8 UNUSED MATERIALS

- A. After allowance work has been completed and accepted, return unused materials purchased to supplier for credit to Owner and document the credit back to the allowance line item on the next Application for Payment.
 - 1. If requested by Owner, retain and prepare unused material for storage by Owner. Deliver unused material to Owner's storage space as directed by Owner.

1.9 CHANGES TO ALLOWANCES

- A. Remaining allowance amounts will be credited to Owner by Change Order at closeout of Contract.
 - 1. Owner may choose to require credit for remaining amount, or portion thereof, prior to closeout of Contract.
- B. Change to an Allowance Amount:
 - 1. In the event of a variance between an allowance amount and the approved actual cost, submit a Change Order proposal requesting a change in the Contract Sum.

- a. Unit Cost Allowances: Change amount is to be the actual unit cost difference multiplied by the bid quantity.
 - b. Stipulated Sum Allowances: Change amount is to be the difference between the stipulated sum and the approved actual cost.
 - c. Quantity Allowances: Change amount is to be the actual quantity difference multiplied by the apportioned unit cost that was included in the Contract Sum.
 - 1) Exception: Contractor provided bid unit prices for Division 01 Section "Unit Prices" will be the multiplier for quantities greater or less than the allowance quantity when such corresponding work is indicated in "Unit Prices".
 - d. Contingency Allowances: Change amount is to be the difference between the allowance sum and the approved actual costs.
- C. Include itemized explanation and documentation to substantiate changes.
 - D. No change to Contractor's indirect expense is permitted for selection of higher- or lower-cost materials or systems of the same scope and nature as originally indicated.
 - E. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
 - F. Change in Allowance Scope:
 - 1. Submit documentation of a claim for change in scope of allowance work described in the Contract Documents.
 - 2. Do not include Contractor's or subcontractor's indirect expense in the Change Order proposal cost amount unless you have clearly documented that the nature or extent of work has changed from what could have been foreseen from information in the Contract Documents.

1.10 UNIT COST ALLOWANCES (UCA)

- A. Included in Unit Cost Allowance:
 - 1. Purchase and Delivery Costs: Costs to Contractor including purchase of materials and equipment, delivery to site, and required purchase taxes, less applicable trade discounts.
- B. Other related costs not included in allowance but to be included in Contract Sum:
 - 1. Installation and Other Related Costs: Costs to Contractor including handling, unloading, storage, protection, services, installation and finishing, overhead, profit, bonding, insurance, payroll taxes, rental equipment, fees, incidentals, and other expenses required to complete the work.
- C. Use information indicated in the Contract Documents to determine bid quantities.
- D. Schedule of Unit Cost Allowances indicated in Part 3 of this Section.

1.11 STIPULATED SUM ALLOWANCES (SSA)

- A. Included in Stipulated Sum Allowance:
 - 1. All costs to Contractor including purchase of materials and equipment, delivery to site, taxes, handling, unloading, storage, protection, services, installation and finishing, overhead, profit, bonding, insurance, payroll taxes, rental equipment, fees, incidentals, and other expenses required to complete the work.
- B. Schedule of Stipulated Sum Allowances indicated in Part 3 of this Section.

1.12 QUANTITY ALLOWANCES (QA)

- A. Included in Quantity Allowance:

1. All costs to Contractor including purchase of materials and equipment, delivery to site, taxes, handling, unloading, storage, protection, services, installation and finishing, overhead, profit, bonding, insurance, payroll taxes, rental equipment, fees, incidentals, and other expenses required to complete the work.
- B. Schedule of Quantity Allowances indicated in Part 3 of this Section.

1.13 CONTINGENCY ALLOWANCES (CA)

- A. Included in Contingency Allowances:
 1. All costs to Contractor including purchase of materials and equipment, delivery to site, taxes, handling, unloading, storage, protection, services, installation and finishing, overhead, profit, bonding, insurance, payroll taxes, rental equipment, fees, incidentals, and other expenses required to complete the work.
- B. Schedule of Contingency Allowances indicated in Part 3 of this Section.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

3.1 GENERAL

- A. Allowance work requirements to be same as similar work type requirements indicated in the Contract Documents unless indicated otherwise.

3.2 SCHEDULE - UNIT COST ALLOWANCES (UCA)

- A. **UCA-1: Unit Masonry - BRK1.**
 1. Unit Cost: \$565.00 per thousand units.
 2. Include the stated unit cost for purchase and delivery for face brick. Installation and all other related costs to be included in Contract Sum.
 3. Refer to Section 04 20 00 - Unit Masonry.
- B. **UCA-2: Unit Masonry - BRK2.**
 1. Unit Cost: \$385.00 per thousand units.
 2. Include the stated unit cost for purchase and delivery for face brick. Installation and all other related costs to be included in Contract Sum.
 3. Refer to Section 04 20 00 - Unit Masonry.

3.3 SCHEDULE - STIPULATED SUM ALLOWANCES (SSA)**A. SSA-1: Security System.**

1. Stipulated Sum: \$25,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for various technology equipment.
 - a. Equipment types may include the following:
 - 1) Cameras.
 - 2) Security.
 - 3) Electronic security door hardware.
 - 4) Associated equipment.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

B. SSA-2: Door Access Hardware.

1. Stipulated Sum: \$20,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for door access hardware, and associated technology equipment.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

C. SSA-3: Emergency Responder Radio Antenna/Repeater System.

1. Stipulated Sum: \$250,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for an Emergency Responder Radio Antenna/Repeater System (ERRARS). Owner will make decision of need based on Contractor's System Survey indicated in the following paragraph.
3. Separate from the ERRARS stipulated sum allowance indicated above, the Contractor is to include in the base bid the work of providing the required System Survey. This base bid System Survey, along with requirements of the Authority Having Jurisdiction, will determine the ERRARS requirements, if any.

D. SSA-4: Painting.

1. Stipulated Sum: \$10,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for paint on walls, ceilings, or other miscellaneous surfaces.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

E. SSA-5: Acoustical Wall Panels.

1. Stipulated Sum: \$15,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for acoustical wall panels.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

F. SSA-6: Door Hardware.

1. Stipulated Sum: \$15,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for Door Hardware.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

G. SSA-7: Doors and Frames.

1. Stipulated Sum: \$15,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for Doors and/or Frames.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

H. SSA-8: Access Doors and Frames.

1. Stipulated Sum: \$7,500.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for wall or ceiling access doors and frames.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

I. SSA-9: Roofing.

1. Stipulated Sum: \$15,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for installation of Roofing Material and components.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

J. SSA-10: Signage.

1. Stipulated Sum: \$10,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for lighted building signs and site entry sign.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

K. SSA-13: Landscaping.

1. Stipulated Sum: \$15,000.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for Site Landscaping.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.

L. SSA-14: Site Bollards.

1. Stipulated Sum: \$7,500.
2. Include the stated stipulated sum for purchase, delivery, installation, and all other related costs for site bollards. Refer to details on Drawings.
3. Allowance is for work in addition to base bid work indicated in Contract Documents.
4. Locations to be indicated by Architect.

3.4 SCHEDULE - QUANTITY ALLOWANCES (QA)

- A. **QA-1: Woven Geo-Textile Separation and Stabilization Fabric In-Place.**
1. Quantity: 500 square yards.
 2. Include the stated quantity of work for purchase, delivery, installation, and all other related costs.
 3. Coordinate with Division 01 Section "Unit Prices".
- B. **QA- 2: Removal of Unsuitable Soil (Bulk).**
1. Quantity: 1000 cubic yards.
 2. Include the stated quantity of work including off-site disposal, and all other related costs.
 3. Coordinate with Division 01 Section "Unit Prices".
- C. **QA-3: Removal of Unsuitable Soil (Trench).**
1. Quantity: 500 cubic yards.
 2. Include the stated quantity of work including off-site disposal, and all other related costs.
 3. Coordinate with Division 01 Section "Unit Prices".
- D. **QA-4: Replacement of Removed Unsuitable Soils or Rock with Off-Site Suitable Soils In-Place.**
1. Quantity: 1,000 cubic yards.
 2. Include the stated quantity of work for purchase, delivery, installation, and all other related costs.
 3. Coordinate with Division 01 Section "Unit Prices".
- E. **QA-5: Replacement of Removed Unsuitable Soils or Rock with Off-Site Aggregate Base Course In-Place.**
1. Quantity: 750 cubic yards.
 2. Include the stated quantity of work for purchase, delivery, installation, and all other related costs.
 3. Coordinate with Division 01 Section "Unit Prices".

3.5 SCHEDULE - CONTINGENCY ALLOWANCES (CA)

- A. **CA-1: General Contingency Allowance.**
1. Stipulated Sum: \$300,000.00.
 2. Include the stated stipulated sum for use as directed by Owner.

END OF SECTION

SECTION 01 23 00**ALTERNATES****PART 1 GENERAL****1.1 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Alternates.
 - 2. Schedule of Alternates.
- B. Related Requirements:
 - 1. Bidding Documents and Forms: Instructions for preparation of pricing for Alternates.
 - 2. Drawing and Specification requirements related to the work type indicate by the items listed in this Section under the Schedule of Alternates.

1.3 DEFINITIONS

- A. Alternate: An amount proposed by bidders and stated on the Bid Form for certain work defined in the bidding requirements that may be added to or deducted from the base bid amount if Owner decides to accept a corresponding change either in the amount of construction to be completed or in the products, materials, equipment, systems, manufacturer, or installation methods described in the Contract Documents.
 - 1. Alternates quoted on Bid Forms will be reviewed and accepted or rejected at Owner's option. Accepted Alternates will be identified in the Agreement.
 - 2. Alternates described in this Section are part of the Work only if enumerated in the Agreement.
 - 3. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Notification: Immediately following award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate if alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated revisions to alternates.
- C. Execute accepted alternates under the same conditions as other work of the Contract.
- D. Schedule of Alternates:
 - 1. Schedule of Alternates included in Part 3 of this Section.

PART 2 PRODUCTS (Not Used)**PART 3 EXECUTION****3.1 SCHEDULE OF ALTERNATES**

- A. Alternate No. 1 - Replace LVT with Resinous Matrix Terrazzo Flooring:**
1. Refer to Section 09 66 23 Resinous Matrix Terrazzo Flooring and Sheet A-704.
 2. Colorways to match LVT color and install pattern – coordinate with architect.
 3. **Alternate No. 1A** - Replace LVT with Terrazzo in Lobby 100A.
 4. **Alternate No. 1B** - Replace LVT with Terrazzo in Corridor 200.
 5. **Alternate No. 1C** - Replace LVT with Terrazzo in Corridor 300.
 6. **Alternate No. 1D** - Replace LVT with Terrazzo in Corridor 400.
 7. **Alternate No. 1E** - Replace LVT with Terrazzo in Corridor 500.
 8. **Alternate No. 1F** - Replace LVT with Terrazzo in Dining 112.
- B. Alternate No. 2 - Door Hardware.**
1. Refer to Section 08 71 00 - Door Hardware.
 2. **Alternate No. 2A Cylinders and Keying (Owner Preferred):**
 - a. Cylinders and Keying: ASSA ABLOY ACCENTRA, formerly known as Yale (YA). No substitutions.
 - b. Includes interchangeable cores.
 - c. Includes all wireless equipment.
- C. Alternate No. 3 - Access Control Systems.**
1. Refer to Section 28 00 00 -Basic Electronic Security System Requirements.
 2. **Alternate No. 3A – Access Control System (Owner Preferred):**
 - a. Provide Access control system: Galaxy Access Control , no substitutions.
- D. Alternate No. 4 - Intercom (Owner Preferred):**
1. Refer to Section 72 51 16 - Intercom.
 2. Provide Intercom: Bogen Nyquist E7000 Series. no substitutions.
- E. Alternate No. 5 – Direct Digital Control Systems (Owner Preferred):**
1. Refer to Section – Direct Digital Control Systems 23 09 00
 2. Provided Control System: Schneider Electric, no substitutions.

END OF SECTION

SECTION 09 65 00 RESILIENT FLOORING

PART 1 GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Resilient tile flooring.
 - 2. Resilient wall base - non-vented type.
- B. Related Requirements:
 - 1. Section 03 30 00 - Cast-In-Place Concrete: Finishing of floor slab for resilient floor application.
 - 2. Sections indicating Plumbing, Electrical and Mechanical as related to floor installed devices such as drains, utility boxes, devices, and trim.

1.2 REFERENCES

- A. ASTM International (ASTM):
 - 1. ASTM D2240 - Standard Test Method for Rubber Property-Durometer Hardness; 2015, Reapproval 2021.
 - 2. ASTM D3389 - Standard Test Method for Coated Fabrics Abrasion Resistance (Rotary Platform Abrader); 2021.
 - 3. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023d.
 - 4. ASTM E648 - Standard Test Method for Critical Radiant Flux of Floor-Covering Systems Using a Radiant Heat Energy Source; 2023.
 - 5. ASTM E662 - Standard Test Method for Specific Optical Density of Smoke Generated by Solid Materials; 2021a, Editorial Revisions.
 - 6. ASTM F150 - Standard Test Method for Electrical Resistance of Conductive and Static Dissipative Resilient Flooring; 2006, Reapproval 2018.
 - 7. ASTM F386 - Standard Test Method for Thickness of Resilient Flooring Materials Having Flat Surfaces; 2017, Reapproval 2022.
 - 8. ASTM F410 - Standard Test Method for Wear Layer Thickness of Resilient Floor Coverings by Optical Measurement; 2008, Reapproval 2022.
 - 9. ASTM F710 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring; 2022.
 - 10. ASTM F1066 - Standard Specification for Vinyl Composition Floor Tile; 2023.
 - 11. ASTM F1344 - Standard Specification for Rubber Floor Tile; 2021a.
 - 12. ASTM F1700 - Standard Specification for Solid Vinyl Floor Tile; 2020.
 - 13. ASTM F1861 - Standard Specification for Resilient Wall Base; 2021.
 - 14. ASTM F1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride; 2023.
 - 15. ASTM F1914 - Standard Test Methods for Short-Term Indentation and Residual Indentation of Resilient Floor Covering; 2018, Reapproval 2023.
 - 16. ASTM F2170 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes; 2019a.
 - 17. ASTM F2195 - Standard Specification for Linoleum Floor Tile; 2018, Reapproval 2023.
 - 18. ASTM F2421 - Standard Test Method for Measurement of Resilient Floor Plank by Dial Gauge; 2019a.
- B. National Fire Protection Association (NFPA):

1. NFPA 253 - Standard Method of Test for Critical Radiant Flux of Floor Covering Systems Using a Radiant Heat Energy Source; 2023.

1.3 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit data describing physical and performance characteristics; include manufacturer's full range of sizes, patterns, colors, and finishes available; include moldings, transition and edge trim as indicated on Drawings and otherwise recommended by manufacturer of Resilient Floor products; include installation instructions.
- C. Shop Drawings: Submit shop drawings indicating each product, locations, layouts, dimensions, patterns, trim details, and interface with adjacent work by others.
- D. Samples for Initial Selection: Two manufacturer's complete set of color samples illustrating the full range of sizes, patterns, colors, and finishes available; submit for Architect's initial selections.
- E. Samples for Verification: From the Architect's initial selections, prepare and submit two samples for each selection; samples to be same product material type indicated for final Work; each sample 4 x 4 inches. Where finishes involve normal color and texture variations, include sample sets showing the full range of variations expected.

1.4 CLOSEOUT SUBMITTALS

- A. Section 01 78 23 - Operation and Maintenance Data.
- B. Operation and Maintenance Data: Submit maintenance procedures, recommended maintenance materials, and suggested schedule for cleaning, stripping, and re-waxing.

1.5 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this section with minimum three years documented experience.
- B. Installer: Company specializing in performing Work of this section with minimum three years documented experience.

1.6 MOCK-UPS

- A. Section 01 40 00 - Quality Requirements: Mock-up requirements.
- B. At project site, install mock-up using acceptable products and manufacturer approved installation methods, including concrete substrate testing. Obtain Architect's approval of mock-up.
 1. Mock-up Size and Locations: One typical room; location as indicated by Architect.
 2. Mock-up may be incorporated into the final construction upon Architect's approval for mock-up to remain.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Upon receipt, immediately remove any shrink-wrap and check materials for damage and the correct style, color, quantity and run numbers.
- C. Store all materials off the floor in an acclimatized, weather-tight space.
- D. Maintain temperature in storage area between 55 degrees F and 90 degrees F.
- E. Protect roll materials from damage by storing on end.

- F. Do not double stack pallets.

1.8 ENVIRONMENTAL REQUIREMENTS

- A. Section 01 60 00 - Product Requirements: Requirements before, during and after Work.
- B. Store materials for not less than 48 hours prior to installation in area of installation at temperature of 70 degrees F to achieve temperature stability. Thereafter, maintain conditions above 55 degrees F.

1.9 WARRANTY

- A. Section 01 77 00 - Closeout Procedures: Product warranties.
- B. Vinyl Composition Tile: Provide five (5) year manufacturer's warranty.

1.10 SPARE PARTS AND MAINTENANCE PRODUCTS

- A. Section 01 60 00 - Product Requirements: Extra materials, spare parts, and maintenance products.
- B. Resilient Flooring: Furnish to Owner the following for each type and color installed.
 - 1. Fifty (50) square feet of flooring.
- C. Resilient Wall Base: Furnish to Owner the following for each type and color installed.
 - 1. One hundred (100) linear feet of wall base.
 - 2. Ten (10) each of pre-molded corners matching color and profile of each wall base.

PART 2 PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire Performance Characteristics: Unless otherwise indicated, provide resilient flooring products with the following fire performance characteristics in accordance with the standards. Testing to be by a certified testing laboratory or other testing agency acceptable to authorities having jurisdiction:
 - 1. Surface Burning Characteristics: Maximum 25/450 flame spread/smoke developed index when tested in accordance with ASTM E84.
 - 2. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter (Class 1) in accordance with ASTM E648 or NFPA 253.
 - 3. Smoke Density: 450 or less in accordance with ASTM E662.

2.2 RESILIENT TILE FLOORING

- A. Luxury Vinyl Tile (LVT):
 - 1. LVT1
 - a. Basis of Design: Patcraft – Polychrome, ECRU 00120 – 9”x48” x 2.5mm
 - b. Alternate 1 – Mannington – Color Anchor, Cottontail – 6”x36”x 2.5mm
 - c. Alternate 2 – J & J Flooring – Step by Step, Oatmeal – 18”x36”x2.5mm
 - 2. LVT2
 - a. Basis of Design: Patcraft – Polychrome, Balsam 00320 – 9”x48” x 2.5mm
 - b. Alternate 1 – Mannington – Color Anchor, Greentea – 6”x36”x 2.5mm
 - c. Alternate 2 – J&J Flooring – Step by Step, Limeade – 18”x36”x 2.5mm
 - 3. LVT3
 - a. Basis of Design: Patcraft – Polychrome, Viridian 00380 – 9”x48” x 2.5mm
 - b. Alternate 1 – Mannington – Color Anchor, Monstera – 6”x36”x 2.5mm
 - c. Alternate 2 – J&J Flooring – Step by Step, Forest – 18”x36”x 2.5mm

4. LVT4
 - a. Basis of Design: Patcraft – Polychrome, Cerulean 00220 V2 – 9”x48” x 2.5mm
 - b. Alternate 1 - Mannington – Color Anchor, Stonewash – 6”x36”x 2.5mm
 - c. Alternate 2 – J&J Flooring – Step by Step, Sky – 18”x36”x 2.5mm
 5. LVT5
 - a. Basis of Design: Patcraft – Equal Mix of LVT2, LVT3,LVT4.
 - b. Alternate 1 – Mannington – Equal Mix of Alternate 1 - LVT2, LVT3,LVT4.
 - c. Alternate 2 – J&J Flooring– Equal Mix of Alternate 2 - LVT2, LVT3,LVT4.
- B. Rubber Tile:
1. Manufacturers:
 - a. Flexco Corporation.
 - b. Johnsonite, a Tarkett Company.
 - c. Mannington Commercial.
 - d. Roppe Corporation.
 - e. Substitutions: See Section 01 60 00 - Product Requirements.
 2. Basis of Design:
 - a. As indicated on Drawings.
 3. Class and Type: Comply with ASTM F1344.
 - a. Class I - Homogeneous Rubber Floor Tile.
 - 1) Type A - Solid Color.
 4. Hardness: Comply with ASTM F1344 when tested in accordance with ASTM D2240.
 - a. Grade 1, minimum 85 Shore A durometer.
 5. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter (Class 1), when tested in accordance with ASTM E648 or NFPA 253.
 6. Tile Size:
 - a. As indicated on Drawings.
 7. Total Thickness: 0.125 inch (3.2 mm).
 8. Wear Layer Thickness: 0.040 inch (1 mm).
 9. Pattern and Surface Texture:
 - a. As indicated on Drawings.
 10. Color:
 - a. As indicated on Drawings.

2.3 RESILIENT WALL BASE - NON-VENTED TYPE

- A. Manufacturers:
1. Mannington Commercial.
 2. Johnsonite, a Tarkett Company.
 3. Roppe Corporation.
 4. Substitutions: Section 01 60 00 - Product Requirements.
- B. Basis of Design:
1. Johnsonite, a Tarkett Company.
- C. Resilient Non-vented Wall Base:
1. Comply with ASTM F1861.
 - a. Type:
 - 1) Type TS - Rubber, vulcanized thermoset.
 - b. Group:
 - 1) Group 1 - Solid.
 - c. Style:
 - 1) Style B - Top set, Cove.

2. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter (Class 1), when tested in accordance with ASTM E648 or NFPA 253.
3. Smoke Density: 450 or less in accordance with ASTM E662.
4. Height:
 - a. 4 inches.
5. Thickness: 0.125 inch thick.
6. Finish: Satin.
7. Length: Roll.
8. Accessories: Premolded external corners and end stops.
9. Colors: Solid.
 - a. To be selected by Architect from manufacturer's full range.

2.4 RESILIENT STAIR COVERING

- A. Manufacturers:
 1. Flexco Corporation.
 2. Interface, Inc.
 3. Johnsonite, a Tarkett Company.
 4. Mannington Commercial.
 5. Substitutions: Section 01 60 00 - Product Requirements.
- B. Basis of Design:
 1. As indicated on Drawings.
- C. Critical Radiant Flux (CRF): Minimum 0.45 watt per square centimeter (Class 1) in accordance with ASTM E648 or NFPA 253.
- D. Smoke Density: 450 or less in accordance with ASTM E662.
- E. Material:
 1. Rubber.
- F. Covering Style:
 1. Nosing/Tread/Riser Style: Single piece covering full width and depth of stair nosing, tread, and riser in one piece; nosing not less than 1-3/4 inches deep.
 - a. Bottom edge of nosing is to abut and join to top edge of riser covering material below without gap or void and in a manner as to prevent protruding trip hazard at bottom of nosing edge.
- G. Nosing:
 1. Thickness: Minimum 0.210 inch.
 2. Angle and profile to match profile of riser below for full adhesion without gaps that could cause trip hazard.
- H. Tread Design Pattern:
 1. As indicated on Drawings.
- I. Stair Landings Flooring: Same manufacturer, material, color, and pattern as the Stair Covering.
- J. Colors: Integral throughout product.
 1. As indicated on Drawings.

2.5 ACCESSORIES

- A. Subfloor Filler: Factory mixed latex type recommended by manufacturers of flooring and adhesive materials and compatible with substrate materials and conditions.

- B. Primers and Adhesives: Waterproof type recommended by manufacturer of flooring material and compatible with substrate materials and conditions.
- C. Moldings, Transition and Edge Strips: As indicated on Drawings or as otherwise selected by Architect from Product Data submittals.
- D. Feature Strips: Of same material as tile. Width as indicated on Drawings.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 73 00 - Execution: Verification of existing conditions before starting work.
- B. Verify compliance with the requirements in the PART 1, ENVIRONMENTAL REQUIREMENTS article.
- C. Verify that existing conditions are as required before starting work of the Section.
- D. Verify that the assembled and finished floor system of this Section will finish flush with floor boxes, inserts, devices, and adjacent finished floors. This flush transition requirement cannot be over emphasized. The transition joints must be tight and flush to eliminate trip hazards.
- E. Verify that floor boxes, inserts, utilities, and other floor devices are installed in correct locations.
- F. Verify that overhead work trades have finished their work in the flooring areas.
- G. Verify that the building is dry, all openings are closed in, adequate ventilation is provided, and permanent heating and air conditioning is installed operating and providing the required conditioning of the air in the work area.
- H. Verify that surfaces are free of cracks that might telegraph through flooring, clean, dry, and free of curing compounds, surface hardeners, and other chemicals that might interfere with bonding of flooring to substrate.
- I. Verify that the concrete finish has been steel troweled to a true level and finished smooth and straight to a tolerance of 1/4 inch in a 10 foot radius. High spots are to be ground level and low spots filled in with approved leveling compounds to achieve the required elevation and level flatness.
 - 1. Sloped Concrete: Levelness is relative to slopes indicated such as slopes to drains.
- J. Verify that wall surfaces are smooth and flat within the tolerances specified for that type of work, are dust-free, and are ready to receive wall base material.
- K. Verify that the concrete substrate is dry in accordance with industry standard testing procedures, free of foreign materials, and broom cleaned.
- L. Cementitious Substrate Surfaces Testing: Verify that substrates are ready for flooring installation by testing for moisture and alkalinity (pH).
 - 1. Alkalinity (pH) Testing: ASTM F710. Measurement for pH range is to be not less than 7 pH and not more than 9 pH, unless written recommendations of flooring manufacturer or adhesive manufacturer are more stringent.
 - 2. Internal Relative Humidity Testing: ASTM F2170. Perform test using in situ probes. Humidity level of substrates is to measure no more than 75 percent relative humidity level, unless written recommendations of flooring manufacturer or adhesive manufacturer are more stringent.
 - 3. Moisture Vapor Emission Testing: ASTM F1869. Perform anhydrous calcium chloride test. Moisture Vapor Emission Rate (MVER) from the slab is to be less than

- or equal to 3 lbs of water per 1,000 sf in 24 hours, unless written recommendations of flooring manufacturer or adhesive manufacturer are more stringent.
- 4. Conduct tests by an independent testing agency acceptable to Owner.
- M. Do not proceed with installation work until noncompliant conditions have been corrected.

3.2 PREPARATION

- A. Section 01 73 00 - Execution: Prepare field conditions and existing construction for installation of work of this Section.
- B. Prepare materials to be installed and equipment to be used during installation.
- C. Prepare substrates to receive work as recommended by work product manufacturers.
- D. Remove sub-floor ridges and bumps. Fill minor low spots, cracks, joints, holes, and other defects with sub-floor filler to achieve smooth, flat, hard surface.
- E. Prohibit traffic until filler is cured.
- F. Clean substrate.
- G. Apply primer as recommended by resilient flooring product manufacturer and where required to prevent "bleed-through" or interference with adhesion.

3.3 INSTALLATION

- A. Section 01 73 00 - Execution: Related to installation of Work.
- B. General:
 - 1. Starting installation constitutes acceptance of sub-floor conditions.
 - 2. Install in accordance with manufacturer's written instructions and recommendations to ensure warranty requirements.
 - 3. Spread only enough adhesive to permit installation of materials before initial set.
 - 4. Fit joints and butt seams tightly.
 - 5. Set flooring in place, press with heavy roller to attain full adhesion. Sound top surface of installed flooring material to ensure there are no hollow sounds (hollow sound may indicate flooring that is not fully adhered/bonded to substrate).
 - 6. Where type of floor finish, pattern, or color are different on opposite sides of door, terminate flooring under centerline of door (door in closed position).
 - 7. Install edge transition strips at unprotected or exposed edges, where flooring terminates, where flooring transitions to dissimilar flooring finishes and as indicated on Drawings.
 - 8. Resilient Strips: Attach to substrate using adhesive.
 - 9. Scribe flooring to walls, columns, cabinets, floor outlets, and other appurtenances to produce tight joints.
 - 10. Install flooring in recessed floor access covers, maintaining floor pattern.
 - 11. At movable partitions, install flooring under partitions without interrupting floor pattern.
 - 12. If feature strips/designs are indicated on Drawings, install feature strips/designs.
 - 13. Non-Factory Finished Flooring: Provide flooring finishes as indicated and in accordance with flooring manufacturer's recommendations.
- C. Resilient Tile Flooring:
 - 1. Mix tile from containers to ensure shade variations are consistent when tile is placed, unless otherwise indicated in manufacturer's installation instructions.
 - 2. Unless flooring layout design is indicated otherwise on Drawings, lay flooring with joints and seams parallel to building lines to produce symmetrical tile pattern.

3. Install tile to pattern indicated on Drawings. Allow minimum 1/2 full size tile width at room or area perimeter.
- D. Resilient Wall Base:
 1. Fit joints tightly and make vertical. Maintain minimum dimension of 18 inches between joints.
 2. Miter internal corners. At external corners, use premolded units. At exposed ends, use premolded units.
 3. Install wall base on solid backing. Bond tightly to wall and floor surfaces. Bottom edge of wall base should be consistently in contact with finished flooring.
 4. Scribe and fit to door frames and other interruptions.

3.4 CLEANING

- A. Section 01 73 00 - Execution and Section 01 77 00 - Closeout Procedures: Related to cleaning.
- B. Remove excess adhesive from installed work and adjacent surfaces without damage to surfaces.
- C. Clean and maintain the work.

3.5 PROTECTION OF INSTALLED CONSTRUCTION

- A. Section 01 73 00 - Execution: Protecting installed construction.
- B. Prohibit traffic on flooring for duration recommended by manufacturer and not less than the following:
 1. Light Foot Traffic: 24 hours after installation.
 2. Rolling Load Traffic: 72 hours after installation.
- C. Protect the work from stains and damage.

END OF SECTION

SECTION 10 14 00**SIGNAGE****PART 1 GENERAL****1.1 SUMMARY**

- A. Section Includes:
 - 1. Room Identification Signs.
 - 2. Applied Vinyl Graphics.
 - 3. Custom Artwork Applied Vinyl Graphics.
 - 4. Dimensional Letter Signs.
 - 5. Notification Signs.
 - 6. Fire Protection Signs.
 - 7. Warning Stencils.
 - 8. Dedication Plaque.
 - 9. LED Screen Marquee Signs: For digital information display.
- B. Related Requirements:
 - 1. Sections related to identification of Plumbing, HVAC, and Electrical work.
 - 2. Sections related to Civil and Site work.

1.2 REFERENCES

- A. American National Standards Institute (ANSI):
 - 1. ANSI Z97.1 - Safety Glazing Materials Used In Buildings - Safety Performance Specifications And Methods Of Test; 2015, Reaffirmed 2020.
- B. Americans with Disabilities Act (ADA):
 - 1. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design; Current Edition.
- C. ASTM International (ASTM):
 - 1. ASTM B209/B209M - Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate; 2021a.
 - 2. ASTM B221 - Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes; 2021.
 - 3. ASTM C1172 - Standard Specification for Laminated Architectural Flat Glass; 2019.
- D. Code of Federal Regulations (CFR):
 - 1. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; Current Edition.
- E. International Code Council (ICC):
 - 1. ICC A117.1 - Accessible and Usable Building and Facilities; 2017.
- F. International Electrotechnical Commission (IEC):
 - 1. IEC 60529 - Degrees of Protection Provided by Enclosures (IP Code); 1989, With Amendments Through 2013.
- G. UL Standards (UL):
 - 1. UL 48 - Electric Signs; Edition 15, 2011, With Revisions Through 2023.
 - 2. UL 50 - Enclosures for Electrical Equipment, Non-Environmental Considerations; Current Edition, Including All Revisions.

1.3 SUBMITTALS

- A. Section 01 33 00 - Submittal Procedures: Submittal procedures.
- B. Product Data: Submit data describing the material, fabrication standards and characteristics of the sign systems indicated in the Section and other Contract Documents.
- C. Shop Drawings: Indicate sign types, styles, lettering font, copy, graphics, features, foreground and background colors, locations, overall dimensions of each sign and attachment method.
 - 1. Indicate connection locations for signage requiring electrical or communication wiring.
- D. Samples for Initial Selection: Two manufacturer's color charts illustrating the full range of finishes and colors available for each sign type; include color options for backgrounds, graphics, and copy; submit for Architect's initial selections.
- E. Samples for Verification: From the Architect's initial selections, prepare and submit two samples for each selected finish and color; samples on same product material type indicated for final Work; each sample 6 x 8 inches illustrating sign type, sign features, graphics, and method of attachment. Where finishes involve normal color and texture variations, include sample sets showing the full range of variations expected.
- F. Manufacturer's Installation Instructions: Submit installation template and attachment devices.

1.4 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing Products specified in this section with minimum five (5) years documented experience.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Section 01 60 00 - Product Requirements: Product storage and handling requirements.
- B. Package signs, labeled in name groups.
- C. Store adhesive attachment tape at ambient room temperatures.

1.6 ENVIRONMENTAL REQUIREMENTS

- A. Section 01 60 00 - Product Requirements: Environmental conditions affecting products on site.
- B. Do not install signs when ambient temperature is lower than recommended by manufacturer.
- C. Maintain this minimum temperature during and after installation of signs.

1.7 WARRANTY

- A. Section 01 77 00 - Closeout Procedures: Product warranties.
- B. LED Marquee Signs: Provide warranties indicated in the description of the LED Marquee Sign in this Section.

1.8 SPARE PARTS AND MAINTENANCE PRODUCTS

- A. Section 01 60 00 - Product Requirements: Extra materials, spare parts, and maintenance products.
- B. Furnish spare signs of the following Type as indicated on Drawings. Include mounting hardware for each spare sign.

1. Submit request to Architect for graphics, copy, braille, and colors:
2. Type: ____ Quantity: ____ signs.
3. Type: ____ Quantity: ____ signs.
4. Type: ____ Quantity: ____ signs.

PART 2 PRODUCTS

2.1 PERFORMANCE AND DESIGN REQUIREMENTS

- A. Conform to current local and state building codes; ADA Standards; 36 CFR 1191; and ICC A117.1 guidelines for manufacture and installation of interior identification signs.
- B. Conform to current International Fire Code requirements.

2.2 MANUFACTURERS

- A. Manufacturers:
 1. Acorn Sign Graphics.
 2. APCO Graphics.
 3. ASI Sign Systems.
 4. Bayuk Graphic Systems, Inc.
 5. Best Sign Systems.
 6. Gemini, Inc.
 7. Interface Architectural Signage, Inc.
 8. InPro Corporation (Signscape).
 9. Mohawk Sign Systems.
 10. Rowmark, LLC.
 11. Scott Sign Systems, Inc.
 12. Signage Industries Corporation.
 13. Substitutions: Section 01 60 00 - Product Requirements.

2.3 ROOM IDENTIFICATION SIGNS

- A. Includes signs for rooms and area identification, fire extinguishers and fire extinguisher cabinets, unlighted exit signs, room capacity signs, areas of refuge, and elevators and stairs related signs as indicated on Drawings.
 1. Photopolymer face fused to phenolic sheet; 0.145 inch total thickness; matte finish.
 2. "Tactile" signage, with copy raised minimum 1/32 inch above sign surface using photopolymer bonded process and with Grade II Braille located below copy.
 3. Clear Window Insertion Slots: As indicated on Drawings.
 4. Copy and graphics to be uniformly opaque.
 5. Copy Font: Helvetica Medium, uppercase.
 6. Copy Height: As indicated on Drawings.
 7. Braille Height: As indicated on Drawings.
 8. Symbol Size: As indicated on Drawings.
 9. Total Thickness: As indicated on Drawings, but not less than 0.145 inch.
 10. Size and Configuration: As indicated on Drawings.
 11. Corners: 1/2 inch radius unless indicated otherwise on Drawings.
 12. Edges: Beveled and smooth.
 13. Graphic Style: International type.
 14. Colors:
 - a. Background: As selected by Architect from submitted samples.
 - b. Copy:
 - 1) As selected by Architect from submitted samples.

- c. Symbols and Graphics:
 - 1) As selected by Architect from submitted samples.
- 15. Room Identification Sign Types:
 - a. Drawings indicate Sign Type Designations, Size, Copy, Symbols, and Insert Window requirements.
 - b. Signs required at all door openings and spaces and as indicated on Drawings.
 - c. Refer to Signage Schedule, Elevations, and Details on Drawings.
 - d. Include twelve (12) additional identification signs with graphics to be determined during construction. Type to be the type with insert window.
 - e. Back Cover Plate: Where sign must be secured to glass, acquire Architect approval prior to fabrication and installation of a Backing Cover (blank solid sign) on the opposite side of the glass. The backing cover material shall match the size, shape, base color, thickness, and finish of the sign. The intent is to hide the unsightly back view of the sign when viewed on the opposite side of the glass. (Back Cover Plate, also referenced in ACCESSORIES, and INSTALLATION articles in this Section.)

2.4 APPLIED VINYL GRAPHICS

- A. Vinyl film, die-cut characters; 2 inches high, 3 mils thick.
 - 1. Adhesive backing to be pressure-sensitive and exterior application grade type.
- B. Provide door graphics for each of the following:
 - 1. Copy: **VISITORS REPORT TO MAIN OFFICE** (10 signs required)
 - 2. Copy: **TOBACCO FREE PROPERTY** (10 signs required)
 - 3. Copy: **DELIVERIES ONLY** (2 signs required)

2.5 CUSTOM ARTWORK APPLIED VINYL GRAPHICS

- A. Permanent Applied Custom Vinyl Graphics:
 - 1. Manufacturers:
 - a. Avery Dennison.
 - b. Substitutions: Section 01 60 00 - Product Requirements.
 - 2. Smooth Substrate Applications: Graphics to be applied to smooth substrates including Level 5 finished and painted gypsum board or plaster.
 - a. Basis of Design: Avery Dennison MPI 1405 with DOL 6460.
 - 3. Textured Substrate Applications: Graphics to be applied to textured substrates including concrete, brick masonry units, and concrete masonry units.
 - a. Basis of Design: Avery Dennison MPI 1105 with DOL 1300z.
 - 4. Substrate Finish: Finish and paint requirements are to be completed and fully cured/dry prior to application of graphics.
 - a. Paint cure/dry time for smooth substrates to be not less than five (5) days or as required for full cure.
 - b. Paint cure/dry time for textured substrates to be not less than seven (7) days or as required for full cure.
 - c. Do not use Low VOC paint on substrate receiving graphics application.
 - d. Behind graphics application, paint sheen is to be semi-gloss.
 - e. Substrate is to be free from defects and contaminants including debris, dirt, grease, and other foreign matter.
 - 5. Graphic Designs: Design is to include custom imagery and colors.
 - a. Designs to be provided by Architect.
 - 1) Each graphics application to be of different and unique design.
 - b. Designs to be coordinated with installer.
 - 6. Locations: As indicated on Drawings.

2.6 DIMENSIONAL LETTER SIGNS

- A. Exterior Metal Letters: Architectural grade aluminum.
 - 1. Copy Style: Helvetica Medium, unless indicated otherwise on Drawings.
 - 2. Finish: Brushed.
 - 3. Copy and Locations: Characters to be designated by Architect.
 - a. Building Face - Address Identification (AHJ requirement)):
 - 1) Copy text, height, and location on building exterior to be as required and designated by the local Fire Marshal and IBC 501.2 code.
 - b. Building Face - Building Name.
 - 1) Location: Mounted on building wall; height and location as follows:
 - a) To be designated by Architect:
 - 2) Character Thickness:
 - a) 1 inch.
 - 3) Characters:
 - a) E.B. FRINK MIDDLE SCHOOL, 24 inches high.
 - c. Primary Monumental Site Sign.
 - 1) Location: Mounted on two sides of Primary Monumental Site Sign.
 - a) Character Thickness:
 - (1) 1 inch.
 - b) Characters:
 - (1) E.B. FRINK MIDDLE SCHOOL, 12 inch high.
 - (2) 405, 8 inches high.
 - d. Building Face – Emergency Door Numbers
 - 1) Location: Coordinated with architect.
 - a) Character Thickness
 - (1) 1 inch.
 - b) 1,2,3,4,5,6, 16 inches high (7 total characters)
 - c) Finish to be selected from the full range of standard powder coated options. To be high contract characters from building face location.
- B. Interior Metal Letters: Architectural grade aluminum.
 - 1. Copy Style: Helvetica Medium, unless indicated otherwise on Drawings.
 - 2. Finish:
 - a. Painted: Manufacturer's standard finish paint system; color to be as selected by Architect from manufacturer's full range. Unless noted otherwise on the drawings.
 - 3. Character Thickness:
 - a. 1 inch.
 - 4. Character Height:
 - a. 8 inches, unless indicated otherwise on Drawings.
 - 5. Copy:
 - a. Copy: **DINING** (2 signs required)
 - b. Copy: **E.B. FRINK MIDDLE SCHOOL** (1 signs required)
 - c. Copy: **GUIDANCE** (1 signs required)
 - d. Copy: **MEDIA CENTER** (2 signs required)
 - e. Copy: **GYMNASIUM** (1 signs required)
 - f. Copy: **GRADE "X" CLASSROOMS** (3 signs required; X is to be a 1 digit prefix number as determined by Architect)
 - g. Copy: **BAND** (2 signs required)
 - h. Copy: **AGRICULTURE** (2 signs required)
 - i. Copy: **ART** (2 signs required)

- j. Copy: **CHORUS** (2 signs required)
 - k. Copy: **BUSINESS** (2 signs required)
 - l. Copy: **STEM** (2 signs required)
 - m. Copy: **HEALTH** (2 signs required)
 - n. Copy: **GIRLS** (6 signs required)
 - o. Copy: **BOYS** (6 signs required)
 - p. Provide 25 additional upper case characters; copy to be provided by Owner.
- C. Interior Acrylic Letters: Architectural grade acrylic, mitered at corners.
- 1. Copy Style: Helvetica Medium, unless indicated otherwise on Drawings.
 - 2. Finish:
 - a. Manufacturer's standard finish system; color to be as selected by Architect from manufacturer's full range. Unless noted otherwise on the drawings.
 - 3. Character Thickness:
 - a. 1 inch.
 - 4. Character Height:
 - a. 96 inches, unless indicated otherwise on Drawings.
 - 5. Copy:
 - a. 6 (1 signs required)
 - b. 7 (1 signs required)
 - c. 8 (1 signs required)

2.7 NOTIFICATION SIGNS

- A. Material: Plastic with radius corners.
 - 1. Size: 1/8 inch thick; H x W to be as required for Copy.
 - 2. Color: White background.
 - 3. Letters: 2 inch high black letters.
 - 4. Copy: **DELIVERIES ONLY** (1 sign required)

2.8 FIRE PROTECTIONS SIGNS

- A. Engineering Grade (Type I) Reflective Aluminum: Red reflective lettering on white background, unless indicated otherwise on Drawings.
- B. Comply with requirements of International Fire Code requirements.
- C. Size: As indicated on Drawings.
- D. Characters: Style and copy as required by NCBC 2018 standards.
- E. Sign Types: Sign and Copy sizes vary; refer to Drawings.
 - 1. Fire Department Connection Sign with directional arrows as required. (2 signs required)
 - a. Copy: **FDC**
 - 2. Fire Sprinkler Riser Room Sign. (2 signs required)
 - a. Copy: **FIRE SPRINKLER RISER ROOM**
 - 3. Fire Alarm Control Panel Sign. (2 signs required).
 - a. Copy: **FACP**
 - 4. Fire Hose Valve Connection Sign. (4 signs required; locations and final copy to be determined).
 - a. Copy: **FIRE HOSE VALVE CONNECTION**

2.9 WARNING STENCILS

- A. Reusable stencils for painting warning on both sides of rated walls, above hung ceiling.

1. Copy: **X-HOUR RATED WALL - PROTECT ALL OPENINGS** (X is to be the actual numeral that represents the wall fire rated time designation.
2. Letter Color: Red.
3. Letter Size: 3 inches tall.
4. Spacing: Apply at 15 feet o.c. at all rated walls above ceilings on both sides of walls.
5. Quantity: Since stencils are reusable, quantity is determined by Contractor.

2.10 DEDICATION PLAQUE

- A. Dedication Plaque:
 1. Material: Cast bronze.
 2. Quantity: One.
 3. Size:
 - a. 18 x 24 inches.
 4. Border:
 - a. Single line type.
 5. Finish: Pebble texture, oxidized finish.
 6. Letter Finish: Satin polish.
 7. Mounting: Standard concealed mounting to comply with the manufacturer's written instructions for type of wall surface indicated.
 8. Characters: Style and copy to be selected by Architect and Owner from manufacturer's full range of options.
 - a. Plaque to include the following information:
 - 1) Project Name. To be determined by Architect and Owner.
 - 2) Date of Construction.
 - 3) School System Information:
 - a) Names and Title of all the Board of Education Members.
 - b) Name and Title of the School System Superintendent.
 - 4) Names and Titles of Persons to be determined by Owner. Allow for twenty (20) names and titles. Person groups may require headings such as board member groups or commission member groups or director member groups.
 - 5) Architect's Name and Location.
 - 6) Construction Manager's Name.
 - 7) General Contractor's Name.

2.11 LED SCREEN MARQUEE SIGNS

- A. Provide exterior type sign system; exposed to weather.
 1. Manufacturers:
 - a. Daktronic - LED GS6 Series.
 - b. Entech Signs - Alpha LED.
 - c. ThinkSIGN, Inc. - LED Extreme 16 Series.
 - d. Substitutions: Section 01 60 00 - Product Requirements.
 2. Basis of Design:
 - a. Entech Signs - Alpha LED: Excite.
 3. Viewable Display Screens:
 - a. Two (2) display screens.
 4. Location:
 - a. To be installed at front of property, adjacent to public roadway, and location directed by Architect.
 5. Design Requirements:
 - a. Sign System Includes:

- 1) Sign, housing, seals, anchorage, and all components for operational sign system assembly.
- b. Sign System Design: To be designed and sealed by a licensed Professional Engineer experienced in design of work of this type and licensed in the State in which the project is located. The engineer is to certify that all applicable code requirements have been met. The engineer may be in the employ of the manufacturer of the sign system, provided the Engineer is compliant with the above registration requirement.
 - 1) Design sign system to safely withstand wind loads as indicated on Drawings for the Structural Design Criteria and in compliance with the current State Building Code for the State in which the project is located.
 - 2) Comply with the design requirements on the Drawings regarding sign system size and configuration.
 - 3) Include engineered sign system design in the Shop Drawings submittals.
6. LED Digital Sign: Configuration to be as indicated on Drawings and as follows.
 - a. LED Screen Display: Full color.
 - 1) LED Pixel Pitch: 16mm (0.63 inch).
 - 2) LED Pixel Color: 1 Red/1 Green/1 Blue LED per pixel.
 - 3) LED Color: PureColor, 16.7 million colors.
 - 4) Viewability & Intensity: 160 degrees horizontal/60 degrees vertical; 6500 nits.
 - 5) Digital Display Size:
 - a) Height: 50.40 inches (80 pixel rows @ 0.63 inch per row).
 - b) Width: 80.64 inches (128 pixel columns @ 0.63 inch per column).
 - c) Digital Display Matrix: 80 pixels high x 128 pixels wide.
 - b. Video Frame Rate:
 - 1) Message marquee version: 20 fps.
 - c. Dimming: 10 percent to 100 percent; automatic light sensor.
 - d. Screen Display Case:
 - 1) Material: Mill finish aluminum.
 - 2) Depth: 10.2 inches deep (including metal angle for mounting).
 - 3) IP (ingress protection) Code Rated: IP24 minimum rating in accordance with IEC 60529.
 - 4) UL Listed: UL 50 type 3R.
 - e. Programming Software and Hardware: Provide current version of Ooh!Media Pro Version software, hardware and all wiring connections required for fully operational sign system.
 - f. Controller: Embedded PC, DVI link to the sign monitor.
 - g. Connectivity to Controller: Wired Ethernet with optional wireless and DSL modem (phone company requirement).
 - h. Operating Temperature: -22 degrees to 122 degrees F (-30 degrees to 50 degrees C).
 - i. Service Access: Front-serviceable components. Display drivers (16 x 16) are to be removable without opening the front access door.
 - j. Mounting Components: Stainless steel mounting components and fasteners to be used for anchoring sign system to superstructure and foundation.
 - k. Miscellaneous Fasteners: Stainless steel.
 - l. Agency Approvals: UL 48.
 - m. Special Features Required:
 - 1) Industry standard 1GB compact flash memory for message storage.
 - 2) External temperature probe.
 - 3) DVI monitor capability.

- 4) Protector Case: Ventless enclosure designed to reflect solar radiation and sealed against intrusion by rain, salt, fog, fumes, and dust.
 - 5) Automatic thermal protection for all electronics.
 - 6) Thermostatically controlled fans for each module/case for internal air mixing.
- n. Warranty:
- 1) Sign System Warranty: Provide manufacturer's five (5) year limited warranty.
 - 2) Programming Software and Hardware Warranty: Provide manufacturer's standard warranty; not less than one (1) year duration.

2.12 ACCESSORIES

- A. Mounting Hardware: Screws; stainless steel; countersunk phillips flat head screws.
- B. Tape Adhesive: Double sided foam tape; permanent adhesive.
- C. Back Cover Plate: Where sign must be secured to glass, acquire Architect approval prior to fabrication and installation of a Backing Cover (blank solid sign) on the opposite side of the glass. The backing cover material shall match the size, shape, base color, thickness, and finish of the sign. The intent is to hide the unsightly back view of the sign when viewed on the opposite side of the glass. (Back Cover Plate, also referenced in ROOM IDENTIFICATION SIGNS and INSTALLATION articles in this Section.)

PART 3 EXECUTION

3.1 EXAMINATION

- A. Section 01 73 00 - Execution: Verification of existing conditions before starting work.
- B. Verify substrate if finished to include finish coating(s).
- C. Verify adequate blocking and supports to structure are installed and ready to receive work.
- D. Verify that electrical and communications wiring requirements are provided for connectivity.

3.2 PREPARATION

- A. Section 01 73 00 - Execution: Prepare field conditions and existing construction for installation of work of this section.
- B. Prepare materials to be installed and equipment to be used during installation.

3.3 INSTALLATION

- A. Section 01 73 00 - Execution: Related to installation of Work.
- B. Install work at locations indicated on Drawings. Install signs level and plumb unless indicated otherwise.
- C. Room Identification Signs: Mount with double sided foam tape and countersunk phillips flat head screws. Screw head is to finish flush with sign surface. Finish of screw heads is to match the color and finish of the portion of the sign that the screw is seated into.
 1. Position of Room Identification Signs:
 - a. Signage mounting heights must conform to ADA accessibility requirements including the height of Braille notations. Mount center of sign 9 inches from strike side of door and top of sign at 60 inches from floor.
 2. Where sign must be secured to glass, acquire Architect approval prior to fabrication and installation of a Backing Cover (blank solid sign) on the opposite side of the

glass. The backing cover material shall match the size, shape, base color, thickness, and finish of the sign. The intent is to hide the unsightly back view of the sign when viewed on the opposite side of the glass. (Back Cover Plate, also referenced in ROOM IDENTIFICATION SIGNS and ACCESSORIES articles in this Section.)

- D. Applied Vinyl Graphics: Mount on exterior of glass doors.
- E. Custom Artwork Applied Vinyl Graphics: Prepare substrate for vinyl graphics application.
 - 1. Substrate is to be free from all contaminants that interfere with adhesion of preparation coatings and application of vinyl graphics.
 - 2. Substrate surface is to be finished to smoothness and characteristics as recommended by vinyl graphics manufacturer and as follows:
 - a. Gypsum Wallboard: To be finished to Level 5 finish.
 - b. Concrete Masonry Units: As recommended by vinyl graphics manufacturer.
 - 3. Paint Coatings: Surface of application area is to be painted prior to vinyl application.
 - a. Do not use Low VOC type paint.
 - b. Paint topcoat is to have semi-gloss sheen.
 - c. Paint primers and topcoats are to have been applied and cured for the follow duration prior to application of vinyl graphics:
 - 1) Gypsum Wallboard: Five (5) days minimum.
 - 2) Concrete Masonry Units (CMU): Seven (7) days minimum.
- F. Dimensional Letter Signs: Mount with stainless steel threaded rods into expansion shields. All hardware shall be stainless steel.
- G. Mount fire protection system signage in accordance with International Fire Code requirements.
- H. Dedication Plaque: Mount with stainless steel threaded rods into expansion shields.
- I. LED Marquee Sign: Construct and install sign system, including programming software and hardware, in compliance with the engineer's design, manufacturer's recommendations and the Drawings.

3.4 CLEANING

- A. Section 01 73 00 - Execution and Section 01 77 00 - Closeout Procedures: Clean installed work and comply with manufacturer's recommendations.

3.5 PROTECTION OF INSTALLED CONSTRUCTION

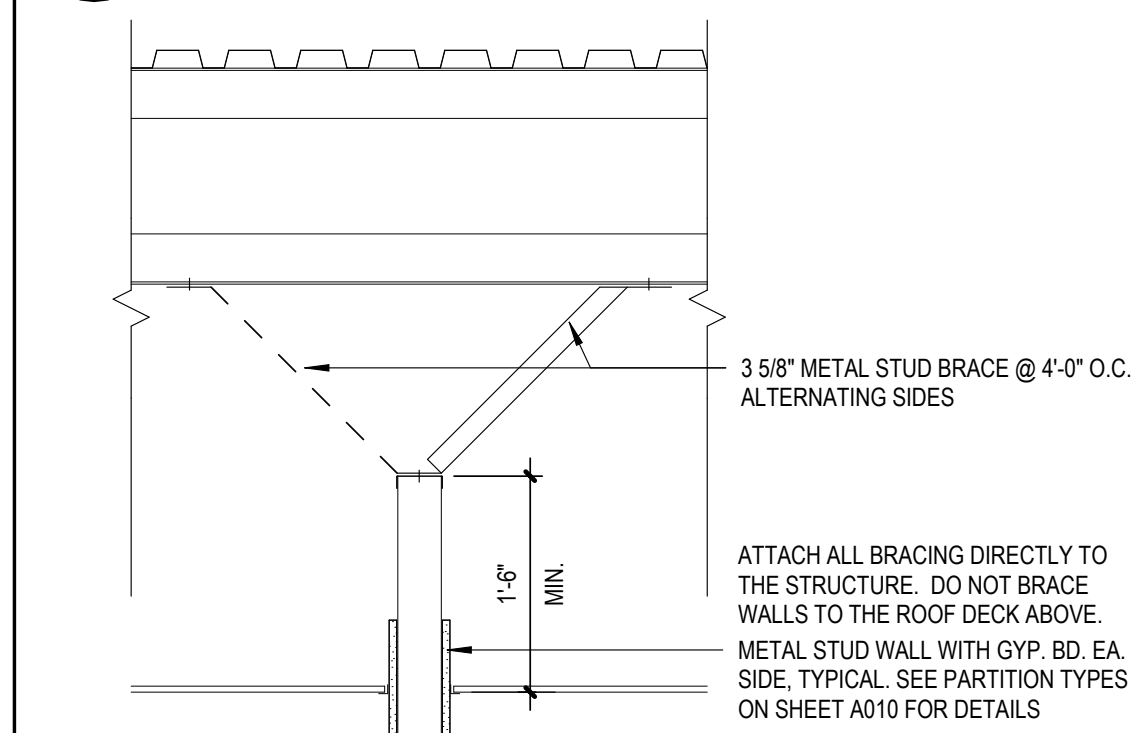
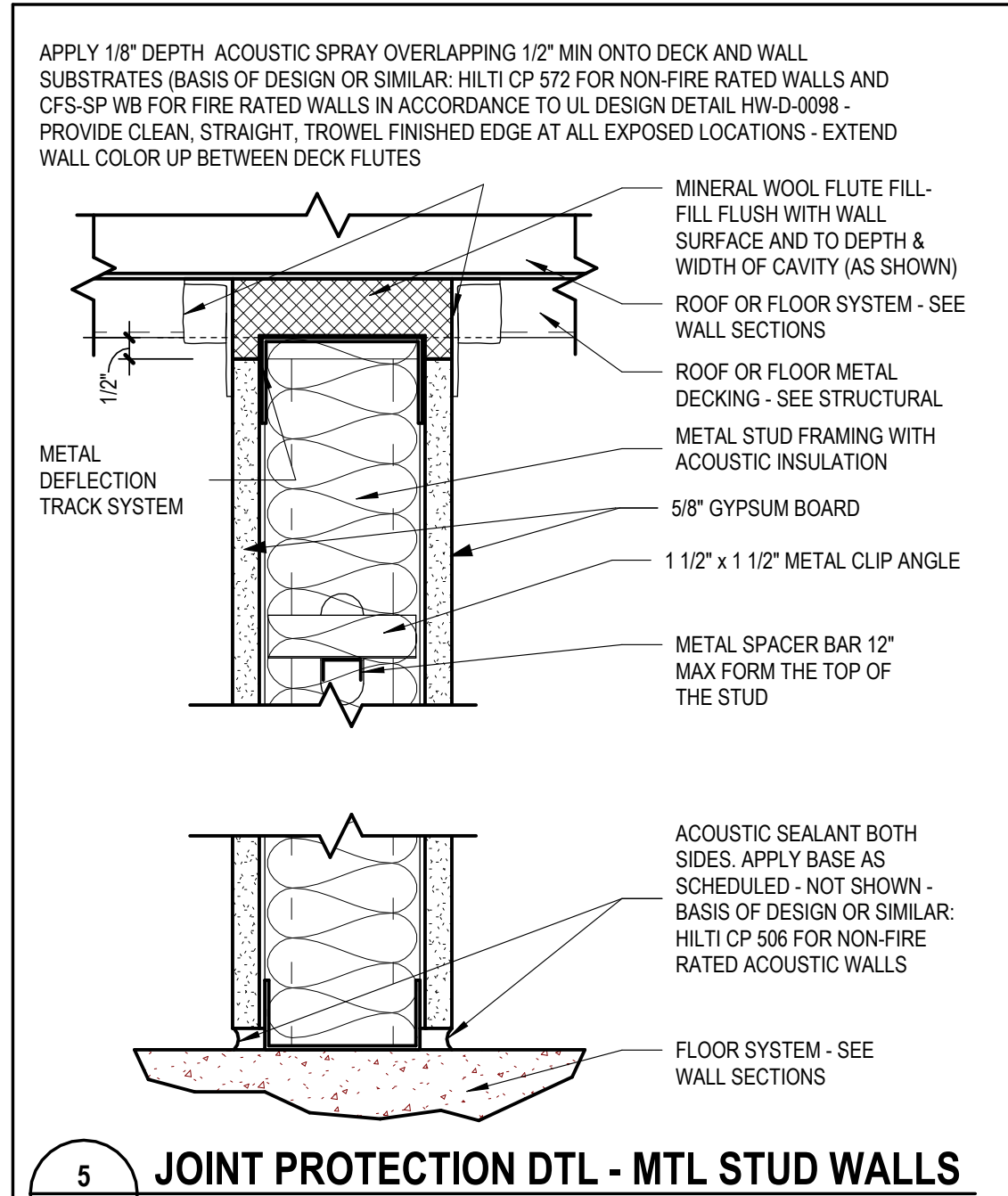
- A. Section 01 73 00 - Execution: Protecting installed construction.

3.6 DEMONSTRATION AND TRAINING

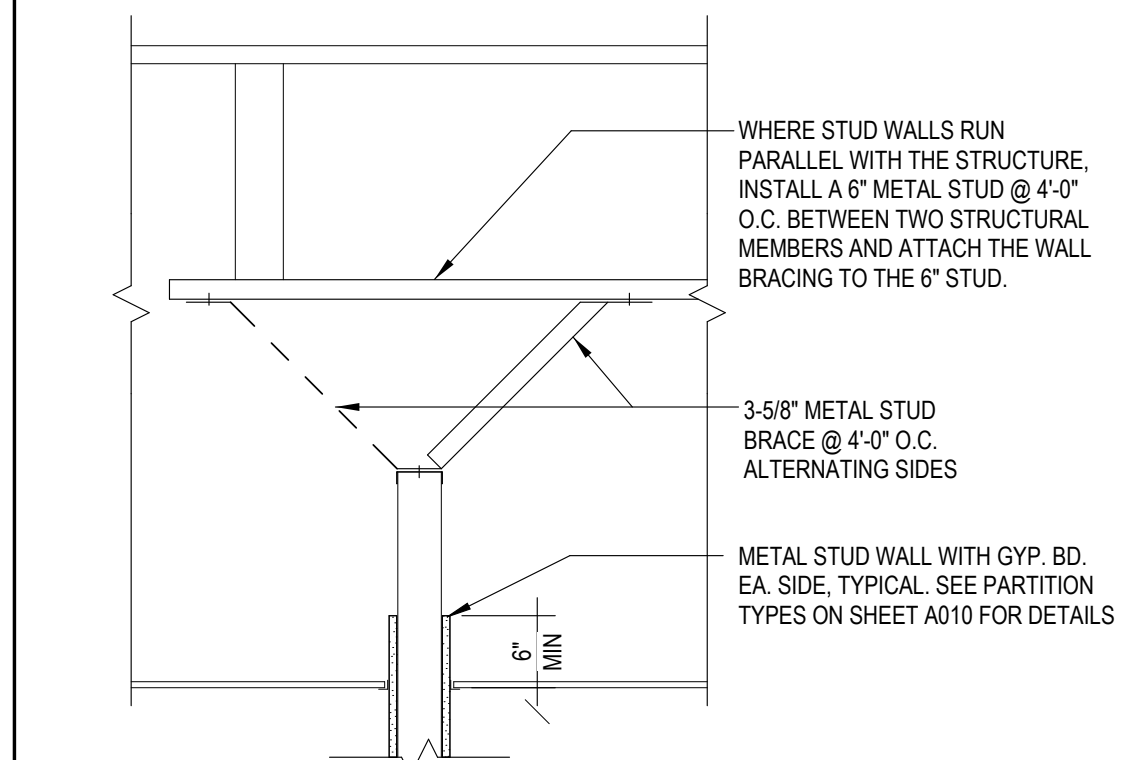
- A. Section 01 79 00 - Demonstration and Training: Provide demonstration and training to the Owner regarding operation and maintenance of components of the installed Work.
- B. LED Screen Marquee Sign:
 - 1. Demonstrate programming and operation of signage to Owner.

END OF SECTION

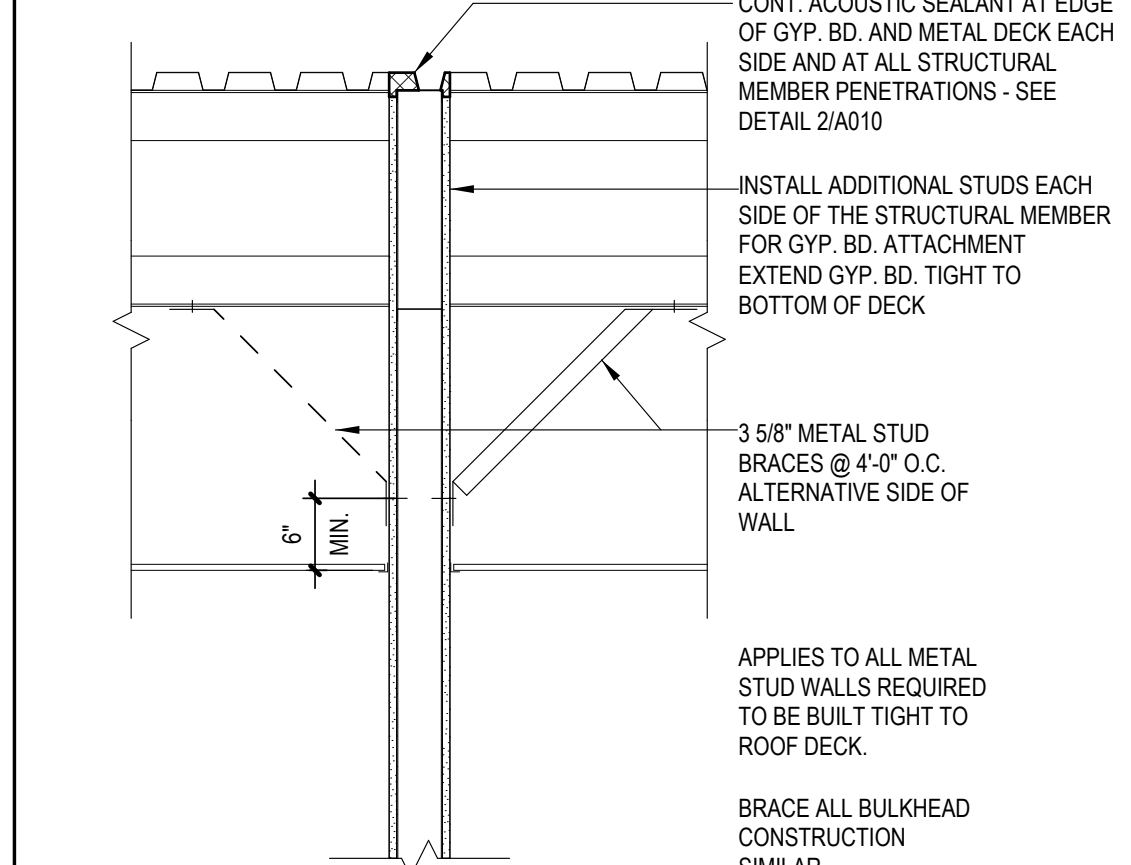
PARTITION TYPE LEGEND METAL STUD WALLS



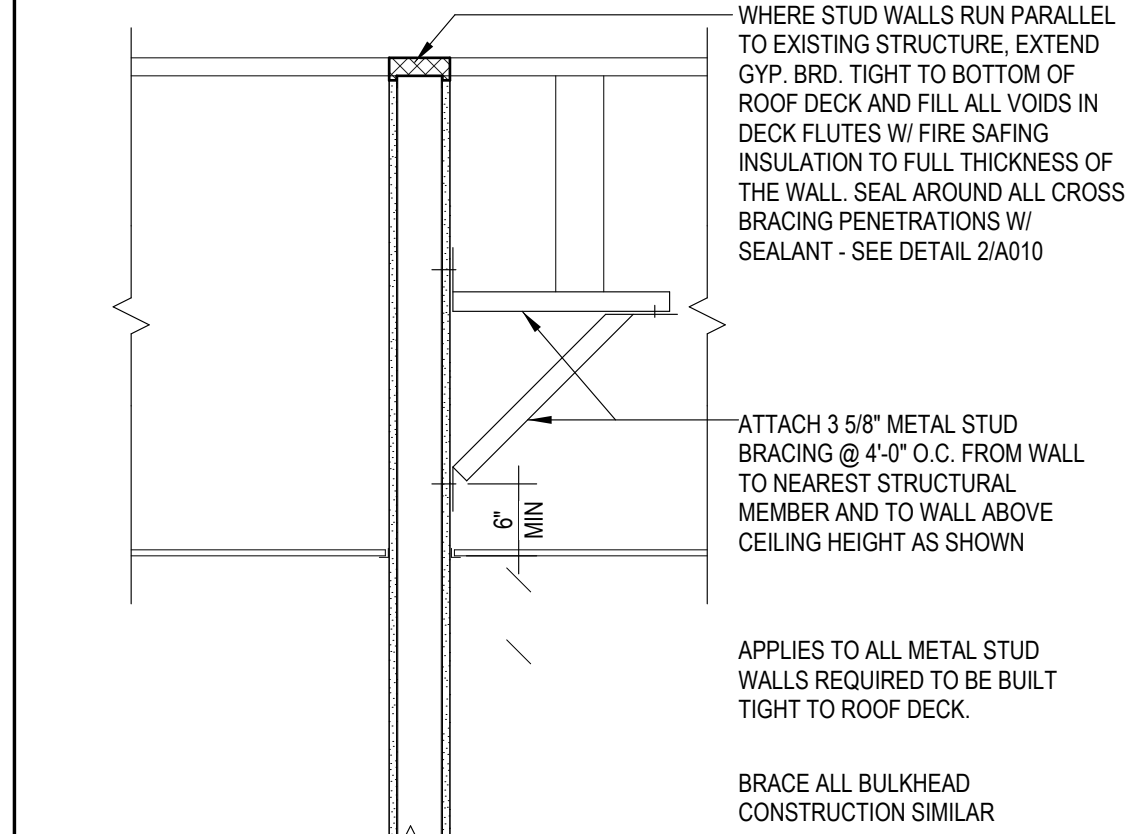
STUDS TO CEILING - PERPENDICULAR TO STRUCTURE



STUDS TO CEILING - PARALLEL TO STRUCTURE



STUDS TO DECK - PERPENDICULAR TO STRUCTURE PARALLEL TO DECK FLUTES FULL-HEIGHT GWB



STUDS TO DECK - PARALLEL TO STRUCTURE PERPENDICULAR TO DECK FLUTES FULL-HEIGHT GWB

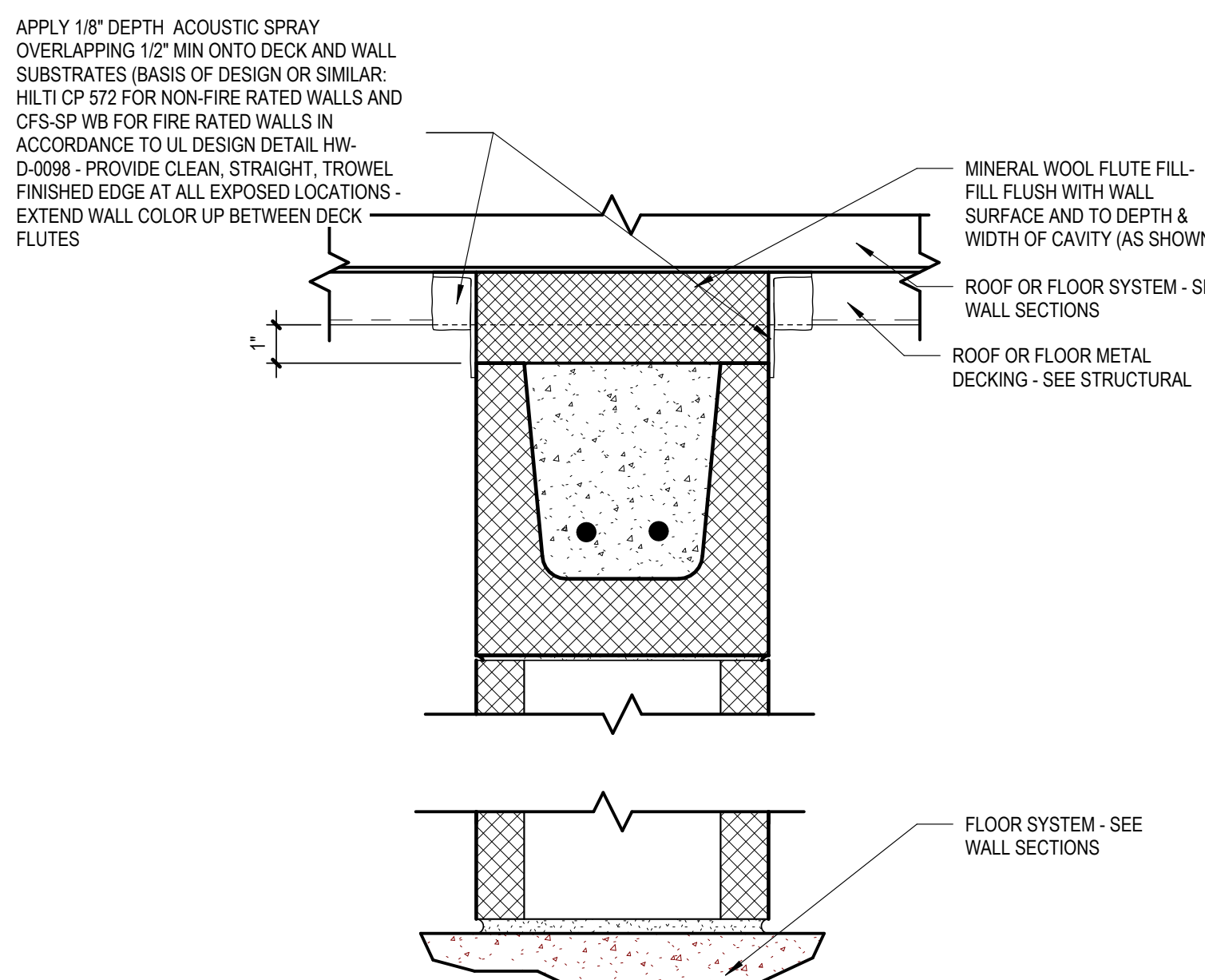
4
A-010 **METAL STUD PARTITION BRACING**

SCALE: 3/4" = 1'-0"

PARTITION TYPE LEGEND METAL STUD WALLS																			
WALL TYPE MARKER	A3	A6	B3	B6	C1	C2	C3	C6	D0	D1	D2	D3	D6	E3S	E6S	F3	F6	G3	G6
SECTION 1 1/2" = 1' - 0"																			
	<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>A3 = 3 5/8" METAL STUD FRAMING</p> <p>A6 = 6" METAL STUD FRAMING</p> <p>A3S = 3 5/8" METAL STUD FRAMING SMOKE PROTECTED</p> <p>A6S = 6" METAL STUD FRAMING SMOKE PROTECTED</p> <p>NAI = NO ACOUSTIC INSULATION - LOCATION INDICATED AT WALL TAG ON REFERENCE PLAN</p> <p>ACOUSTIC INSULATION</p> <p>METAL STUDS AT 16" OC.</p> <p>ONE LAYER 5/8" GYPSUM BOARD TO STRUCTURE ABOVE</p> <p>SECURE BOTTOM RUNNER TO FLOOR SLAB</p>		<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>B3 = 3 5/8" METAL STUD FRAMING</p> <p>B6 = 6" METAL STUD FRAMING</p> <p>NAI = NO ACOUSTIC INSULATION - LOCATION INDICATED AT WALL TAG ON REFERENCE PLAN</p> <p>ACOUSTIC INSULATION</p> <p>METAL STUDS AT 16" OC.</p> <p>ONE LAYER 5/8" GYPSUM BOARD</p> <p>SECURE BOTTOM RUNNER TO FLOOR SLAB</p>		<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>C1 = 1 5/8" METAL STUD FRAMING</p> <p>C2 = 2 1/2" METAL STUD FRAMING</p> <p>C3 = 3 5/8" METAL STUD FRAMING</p> <p>C6 = 6" METAL STUD FRAMING</p> <p>ONE LAYER 5/8" GYPSUM BOARD TO STRUCTURE ABOVE</p> <p>SECURE BOTTOM RUNNER TO FLOOR SLAB</p>		<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>D0 = 7/8" METAL STUD FRAMING</p> <p>D1 = 1 5/8" METAL STUD FRAMING</p> <p>D2 = 2 1/2" METAL STUD FRAMING</p> <p>D3 = 3 5/8" METAL STUD FRAMING</p> <p>D6 = 6" METAL STUD FRAMING</p> <p>ONE LAYER 5/8" GYPSUM BOARD TO STRUCTURE ABOVE</p> <p>SECURE BOTTOM RUNNER TO FLOOR SLAB</p>		<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>E3S = 3 5/8" METAL STUD FRAMING - SMOKE PROTECTED</p> <p>ACOUSTIC INSULATION</p> <p>METAL STUDS AT 16" OC.</p> <p>ONE LAYER 5/8" GYPSUM BOARD TO STRUCTURE ABOVE</p> <p>SECURE BOTTOM RUNNER TO FLOOR SLAB</p> <p>NOTE: STENCIL RATED WALLS EVERY 15'-30" IN MINIMUM 2-INCH LETTERING. INDICATE THE RATING AND PURPOSE OF THE WALL.</p> <p>NAI = NO ACOUSTIC INSULATION - LOCATION INDICATED AT WALL TAG ON REFERENCE PLAN</p>		<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>F3 = 3 5/8" METAL STUD FRAMING</p> <p>F6 = 6" METAL STUD FRAMING</p> <p>F3S = 3 5/8" METAL STUD FRAMING - SMOKE PROTECTED</p> <p>F6S = 6" METAL STUD FRAMING - SMOKE PROTECTED</p> <p>NOTE: STENCIL RATED WALLS EVERY 15'-30" IN MINIMUM 2-INCH LETTERING. INDICATE THE RATING AND PURPOSE OF THE WALL.</p> <p>NAI = NO ACOUSTIC INSULATION - LOCATION INDICATED AT WALL TAG ON REFERENCE PLAN</p>		<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>G3 = 3 5/8" METAL STUD FRAMING</p> <p>G6 = 6" METAL STUD FRAMING</p> <p>G3S = 3 5/8" METAL STUD FRAMING - SMOKE PROTECTED</p> <p>G6S = 6" METAL STUD FRAMING - SMOKE PROTECTED</p> <p>NOTE: STENCIL RATED WALLS EVERY 15'-30" IN MINIMUM 2-INCH LETTERING. INDICATE THE RATING AND PURPOSE OF THE WALL.</p> <p>NAI = NO ACOUSTIC INSULATION - LOCATION INDICATED AT WALL TAG ON REFERENCE PLAN</p>						
PLAN 1/4" = 1' - 0"																			
DESCRIPTION	METAL STUD NONRATED WALL (ADD S FOR A 1 FIRE RATED & SMOKE PROTECTED WALL)		METAL STUD NONRATED WALL		METAL STUD NONRATED WALL		METAL STUD NONRATED WALL		METAL STUD NONRATED WALL		METAL STUD WALL 1/2" HOUR FIRE RATED & SMOKE RATED UP TO UNDERSIDE OF DECKING ABOVE		METAL STUD WALL 1 HOUR FIRE RATED UP TO UNDERSIDE OF DECKING ABOVE (ADD S FOR A 1 HOUR FIRE RATED & SMOKE PROTECTED WALL)		METAL STUD WALL 2 HOUR FIRE RATED UP TO UNDERSIDE OF DECKING ABOVE (ADD S FOR A 2 HOUR FIRE RATED & SMOKE PROTECTED WALL)				
UL DESIGN #											UL DESIGN #U419		UL DESIGN #U419		UL DESIGN #U419				

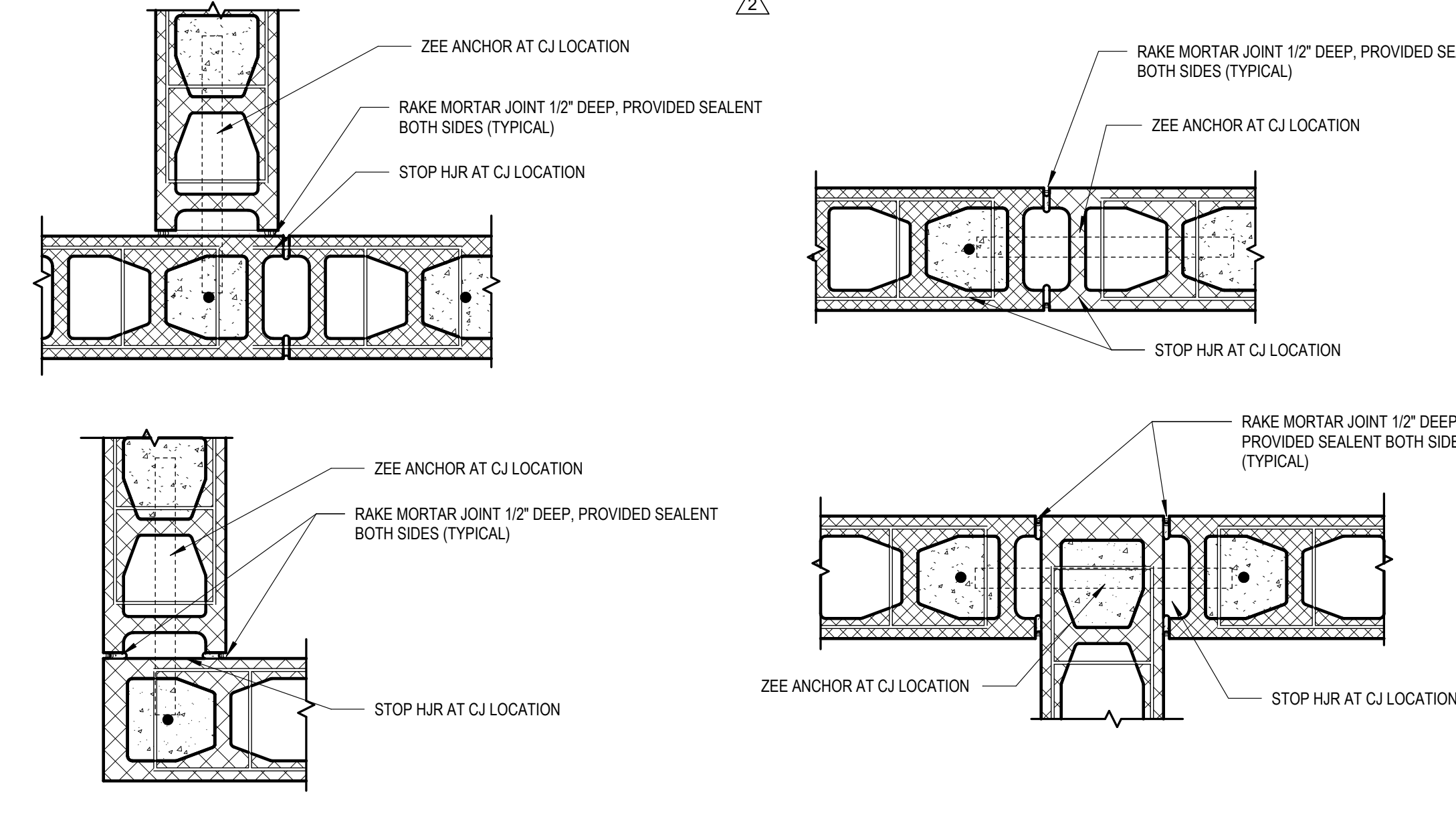
PARTITION TYPE LEGEND CONCRETE MASONRY UNIT WALLS

WALL TYPE MARKER	H8 H12	J8 J12 K8	L4 L6 L8 L12	K44	PARTITION NOTES
SECTION 1 1/2" = 1' - 0"	<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>H8 = 8" CMU WALL - SEE STRUCTURAL</p> <p>H12 = 12" CMU WALL - SEE STRUCTURAL</p> <p>8" CMU WALL - SEE STRUCTURAL FOR REINFORCING</p>	<p>SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>SEE RCP FOR CEILING TYPE</p> <p>K8 = 8" CMU WALL 1 HOUR RATED - SEE STRUCTURAL</p> <p>J8 = 8" CMU WALL 2 HOUR RATED - SEE STRUCTURAL</p> <p>J12 = 12" CMU WALL 2 HOUR RATED - SEE STRUCTURAL</p> <p>8" CMU WALL - SEE STRUCTURAL FOR REINFORCING</p> <p>NOTE: STENCIL RATED WALLS EVERY 15'-30" IN MINIMUM 2-INCH LETTERING. INDICATE THE RATING AND PURPOSE OF THE WALL.</p>	<p>CONT. BOND BEAM - SEE STRUCT.</p> <p>SEE RCP FOR CEILING TYPE</p> <p>L4 = 4" CMU WALL - BRACED</p> <p>L6 = 6" CMU WALL - SEE STRUCTURAL</p> <p>L8 = 8" CMU WALL - SEE STRUCTURAL</p> <p>L12 = 12" CMU WALL - SEE STRUCTURAL</p> <p>8" 12" CMU WALL - SEE STRUCTURAL FOR REINFORCING</p>	<p>H8 SECURE TOP OF WALL TO STRUCTURE ABOVE</p> <p>BOND BEAM - SEE STRUCTURAL FOR REINFORCING</p> <p>TOP OF CMU SHALL BE MINIMUM OF 8" ABOVE FINISHED CEILING (TYP.)</p> <p>SEE RCP FOR CEILING TYPE</p> <p>K44 - 4"x8"x1'-4" SOLID CMU PAINTED FINISH</p> <p>K8 = 8" CMU WALL - SEE STRUCTURAL</p> <p>H8 = 8" CMU WALL - SEE STRUCTURAL</p>	1 - INDICATED ALL RATED WALLS - RATED WALLS TO BE INDICATED WITH RED LETTERING EVERY 15'-30" IN MINIMUM 2" LETTERING. INDICATE THE RATING AND PURPOSE OF THE WALL (I.E. - FIRE WALL, FIRE BARRIER, FIRE PARTITION, SMOKE BARRIER, SMOKE PARTITION) PER NBC 2018 SECTION 703.7. SEE SIGNAGE SPECIFICATION FOR WARNING STENCILS.
PLAN 1/4" = 1' - 0"					
DESCRIPTION	CONCRETE MASONRY UNIT NONRATED WALL EXTEND TO DECK ABOVE	CONCRETE MASONRY UNIT WALL 2 HOUR FIRE RATED UP TO UNDERSIDE OF DECKING ABOVE (USED FOR 1 HOUR FIRE RATED MASONRY WALLS AS WELL)	CONCRETE MASONRY UNIT NONRATED WALL EXTEND ABOVE CEILING	ACCENT CONCRETE MASONRY UNIT	
UL DESIGN #		UL DESIGN #U905			



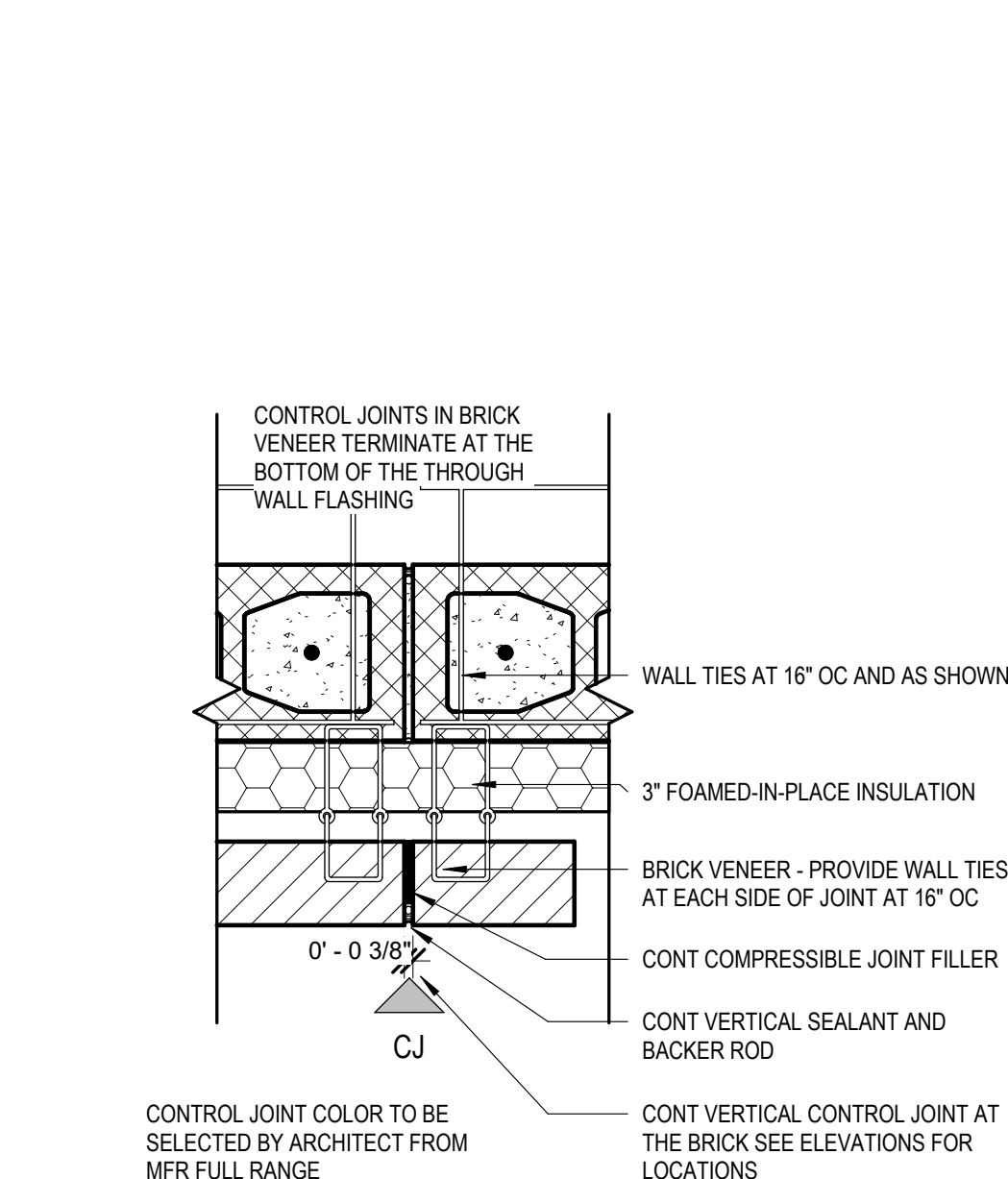
3
A-010 **JOINT PROTECTION DETAIL - CMU WALLS**

SCALE: 3/4" = 1'-0"



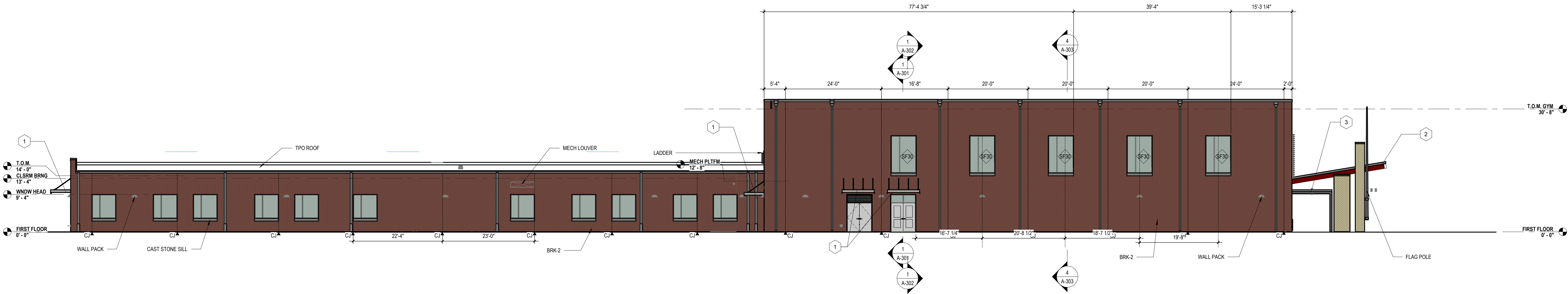
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A-010 **010-TYPICAL CMU WALL CONTROL JOINT DETAILS**

SCALE: 1 1/2" = 1'-0"

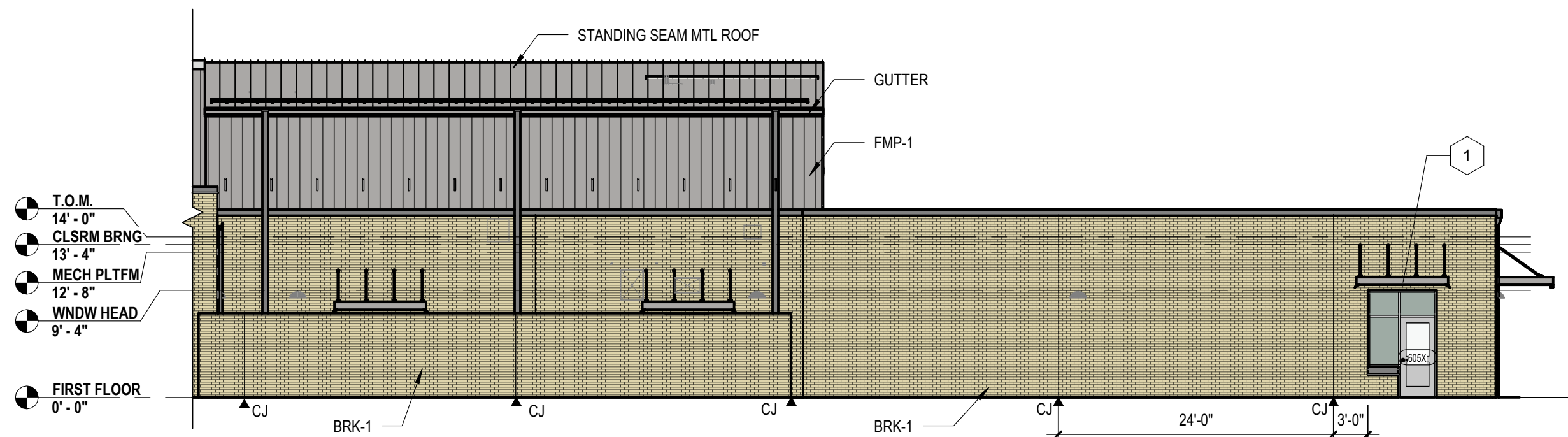


1
A-010 **CONTROL JOINT DETAIL - EXT. WALL**

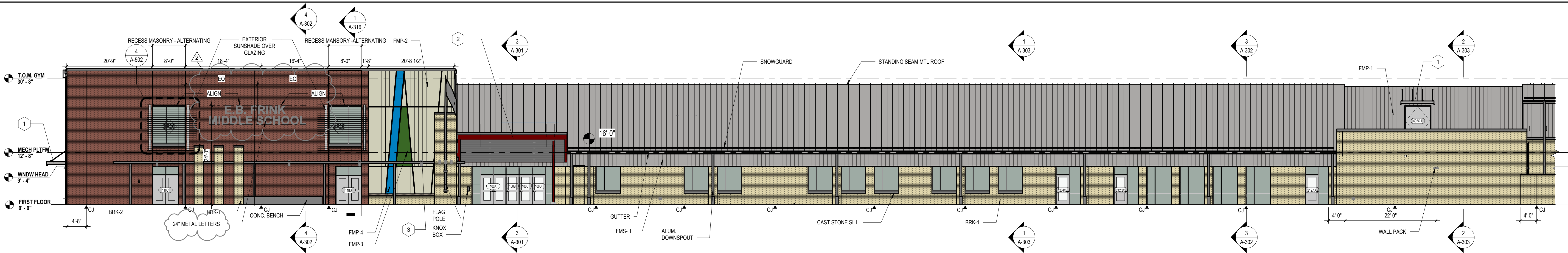
SCALE: 1 1/2" = 1'-0"



3
A-201
OVERALL ELEVATION - WEST
SCALE: 3/32" = 1'-0"



2
A-201
OVERALL ELEVATION - SOUTH CONT'D
SCALE: 3/32" = 1'-0"



1
A-201
OVERALL ELEVATION - SOUTH
SCALE: 3/32" = 1'-0"

EXTERIOR BUILDING MATERIAL LEGEND

	BRK-1 MTR-1	IVORYSTONE #122 LINEN (TO MATCH BRK-1)	PALMETTO CUSTOM
	BRK-2 MTR-2	RED WIRECUT #5 NUTMEG (TO MATCH BRK-2)	PALMETTO CUSTOM
	FMP-1	WALL PANEL - ARCHITECT TO SELECT FROM FULL COLOR LINE	MORIN
	FMP-2	WALL PANEL - ARCHITECT TO SELECT FROM FULL COLOR LINE	MORIN
	FMP-3	WALL PANEL - ARCHITECT TO SELECT CUSTOM COLOR	MORIN
	FMP-4	WALL PANEL - ARCHITECT TO SELECT CUSTOM COLOR	MORIN
	FMS-1	FLUSH METAL SOFFIT - COLOR TO MATCH ROOF	

ELEVATION KEY NOTES

- WALL MOUNTED MANUFACTURED ALUMINUM CANOPY
 - CUSTOM CURVED MANUFACTURED ALUMINUM ENTRY CANOPY
 - CUSTOM CURVED MANUFACTURED ALUMINUM BUS CANOPY
- ALL WALL PACK LIGHTS TO BE MOUNTED AT WINDOW HEAD HEIGHT, 9'-4"

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Construction Documents

Lenoir County
EB Frink Middle School
405 North Charles Street La Grange NC, 28551

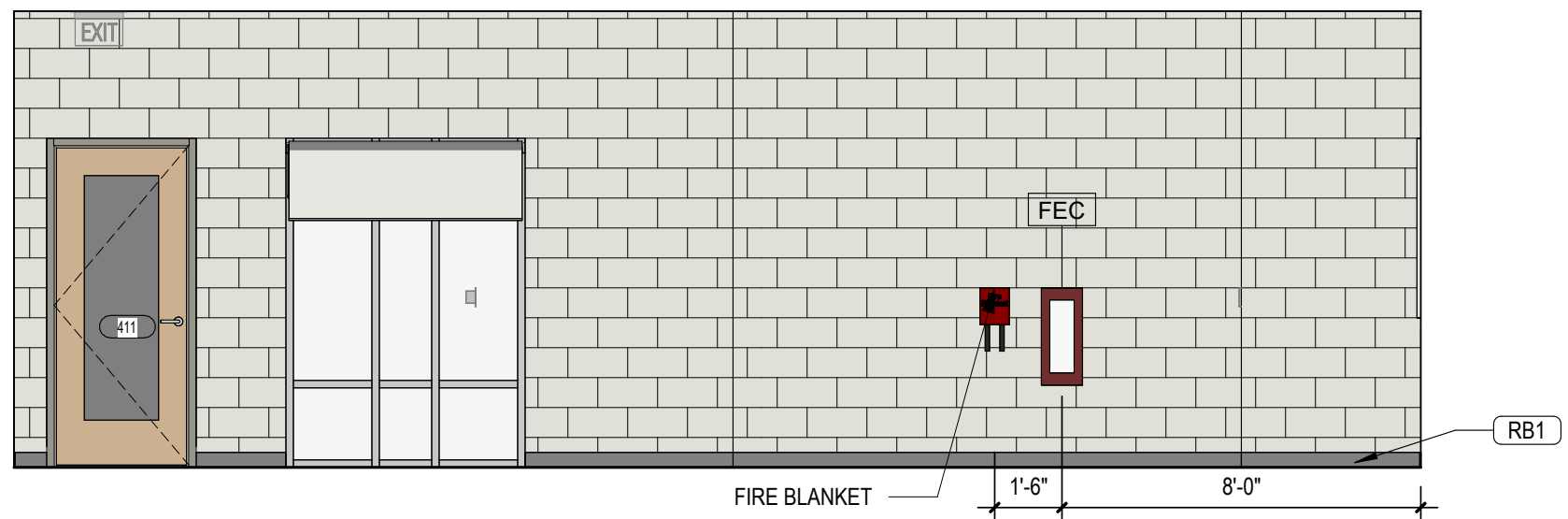
ENERGY
STAR
PARTNER

No.	Date	Description
2	03/05/2025	BID ADDENDUM 1

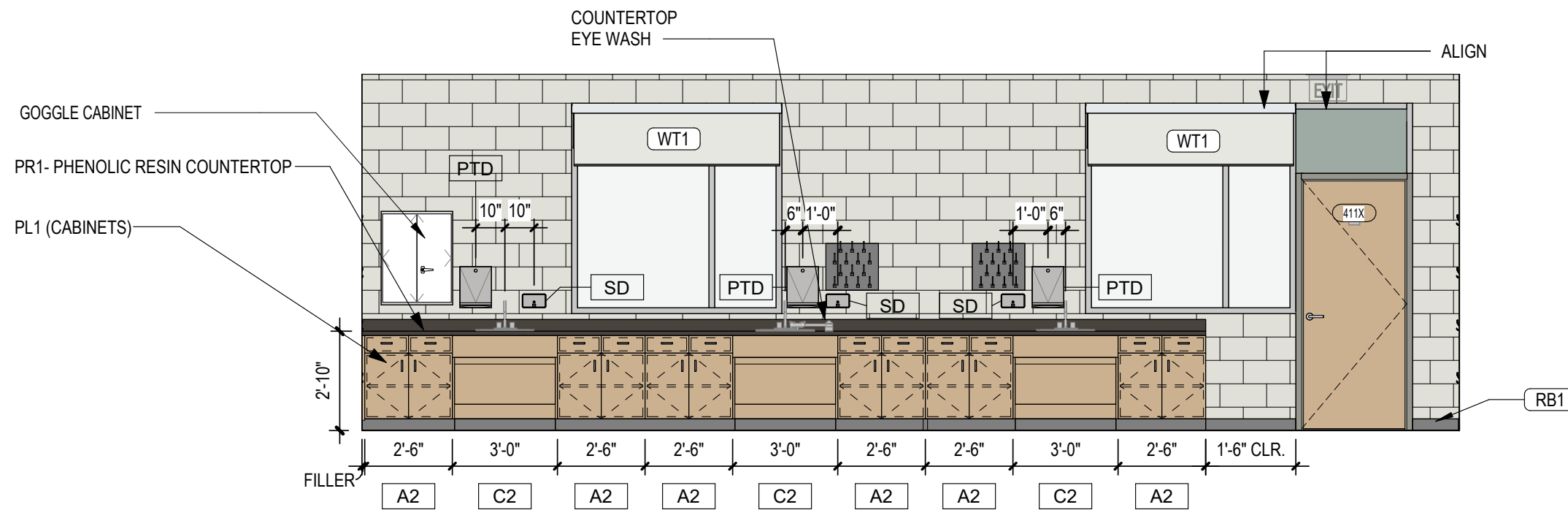
ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: DS
CHECKED BY: MK
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OVERALL EXTERIOR
ELEVATIONS

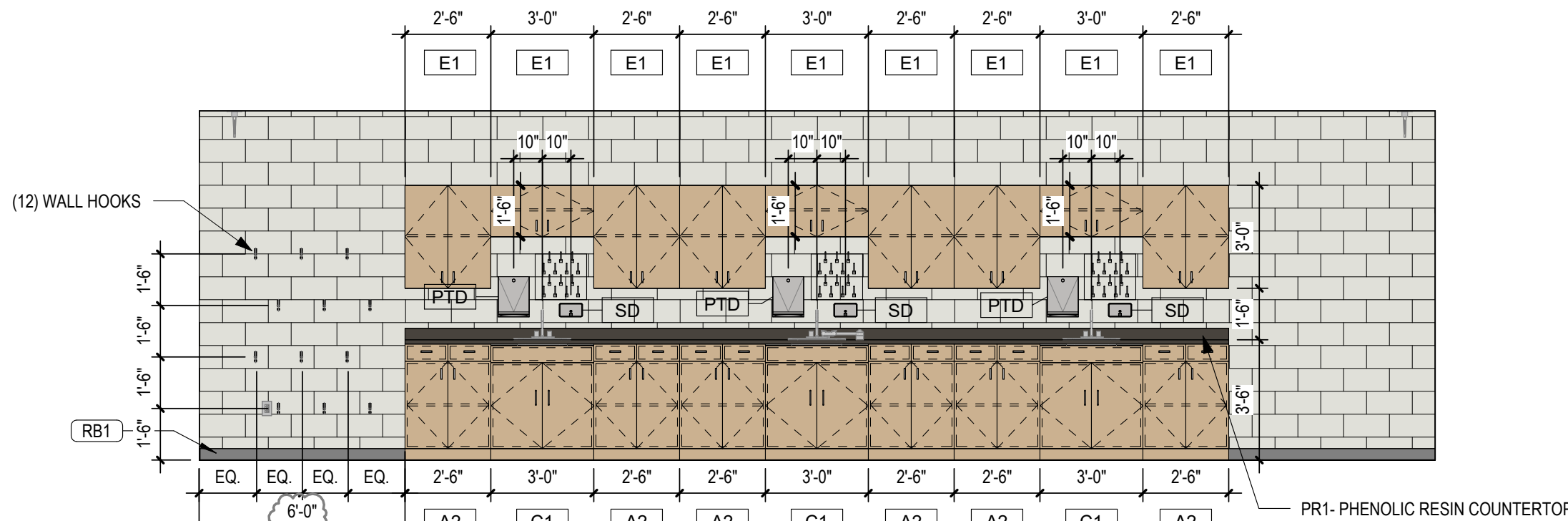
A-201



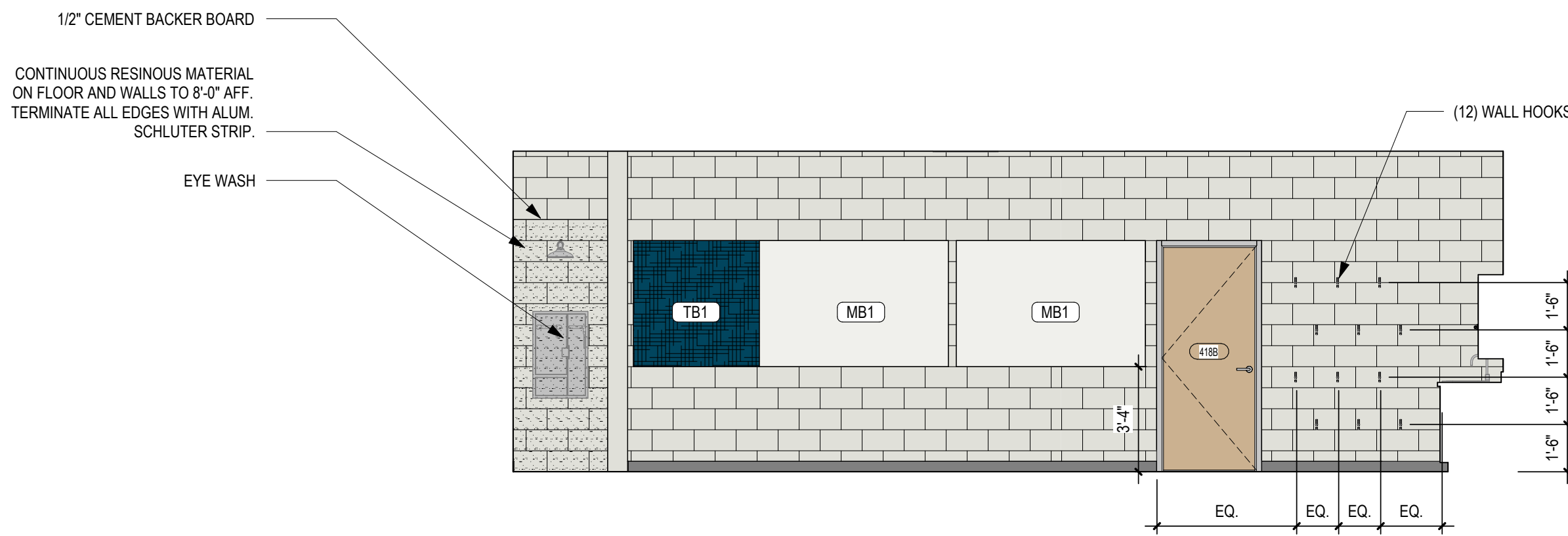
9 INT ELEV - TYP. SCIENCE CLASSROOM - WEST
A-411 SCALE: 1/4" = 1'-0"



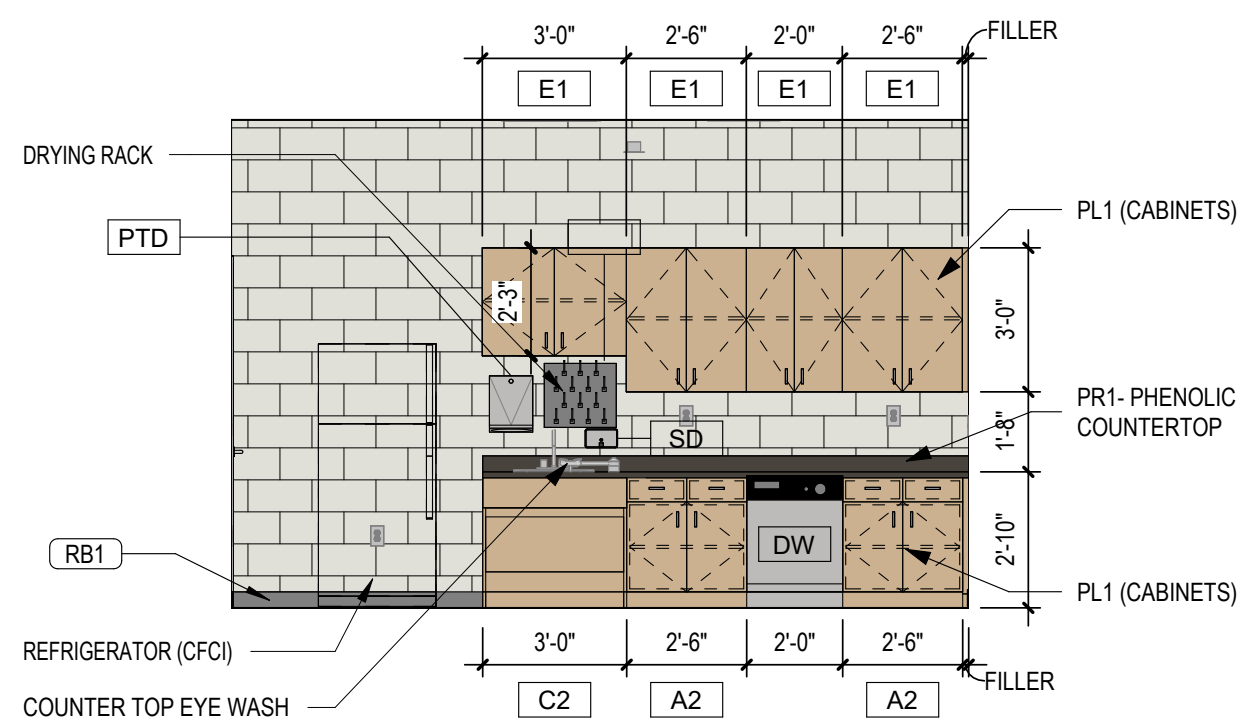
7 INT ELEV - TYP. SCIENCE CLASSROOM - EAST
A-411 SCALE: 1/4" = 1'-0"



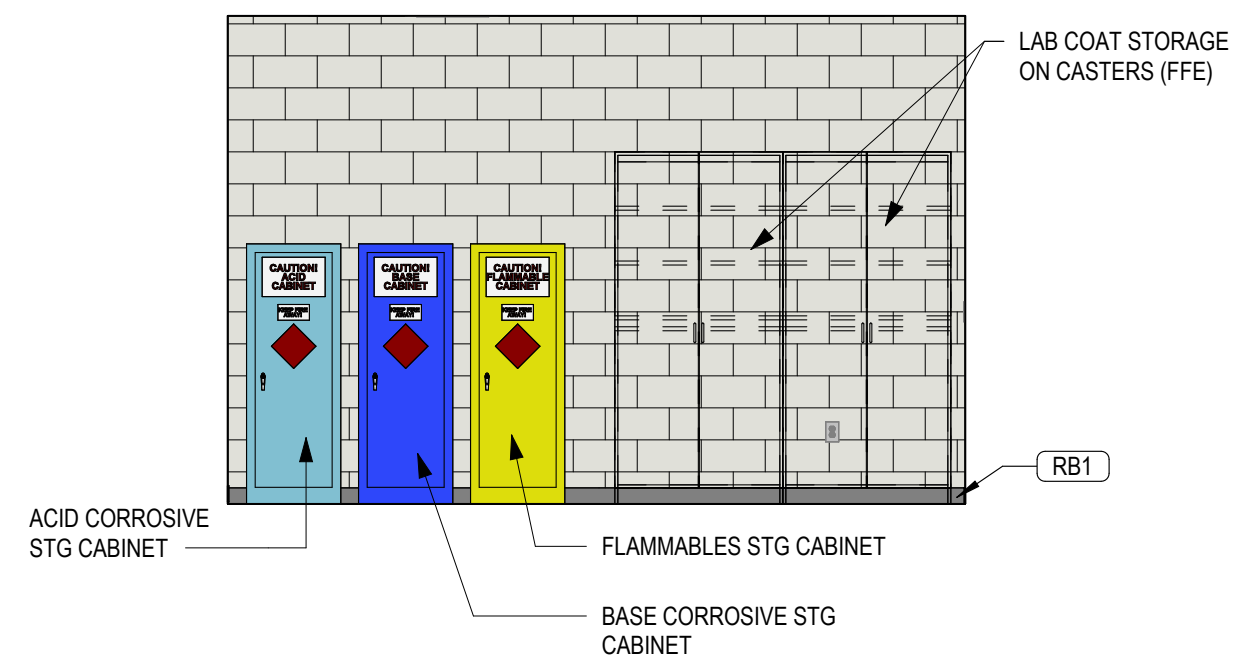
8 INT ELEV - TYP. SCIENCE CLASSROOM - SOUTH
A-411 SCALE: 1/4" = 1'-0"



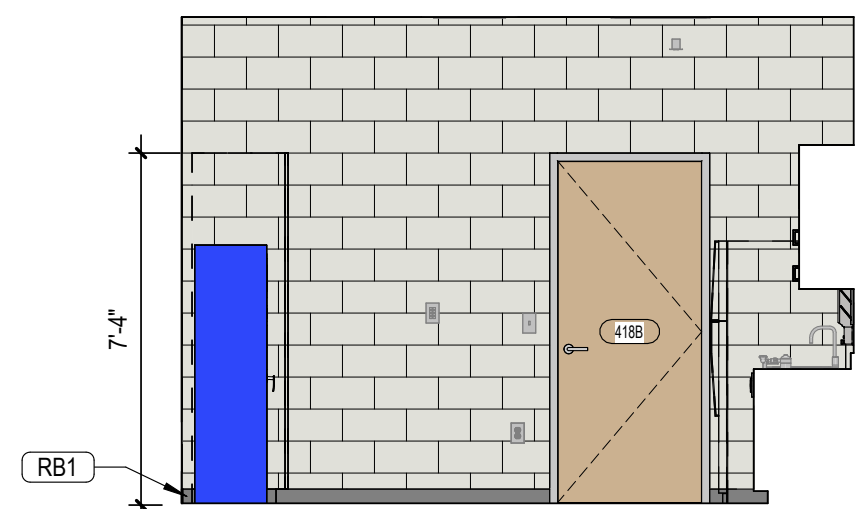
6 INT ELEV - TYP. SCIENCE CLASSROOM - NORTH
A-411 SCALE: 1/4" = 1'-0"



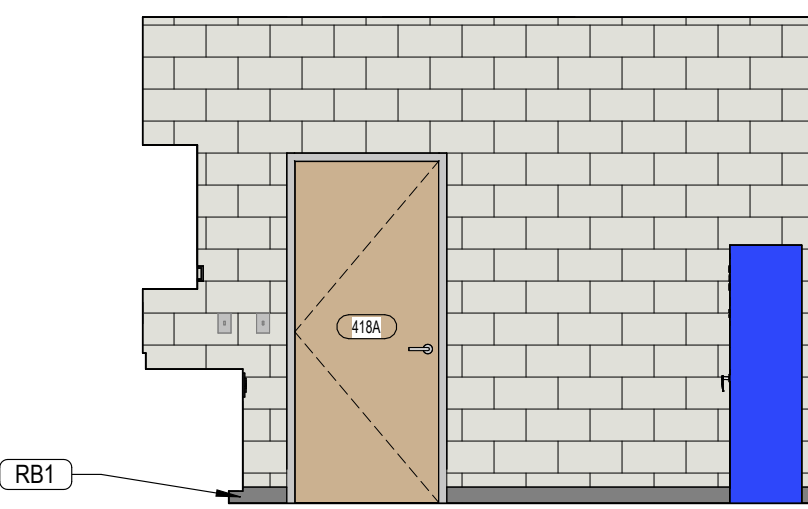
5 INT. ELEVATIONS - TYP SCIENCE PREP ROOM WEST
A-411 SCALE: 1/4" = 1'-0"



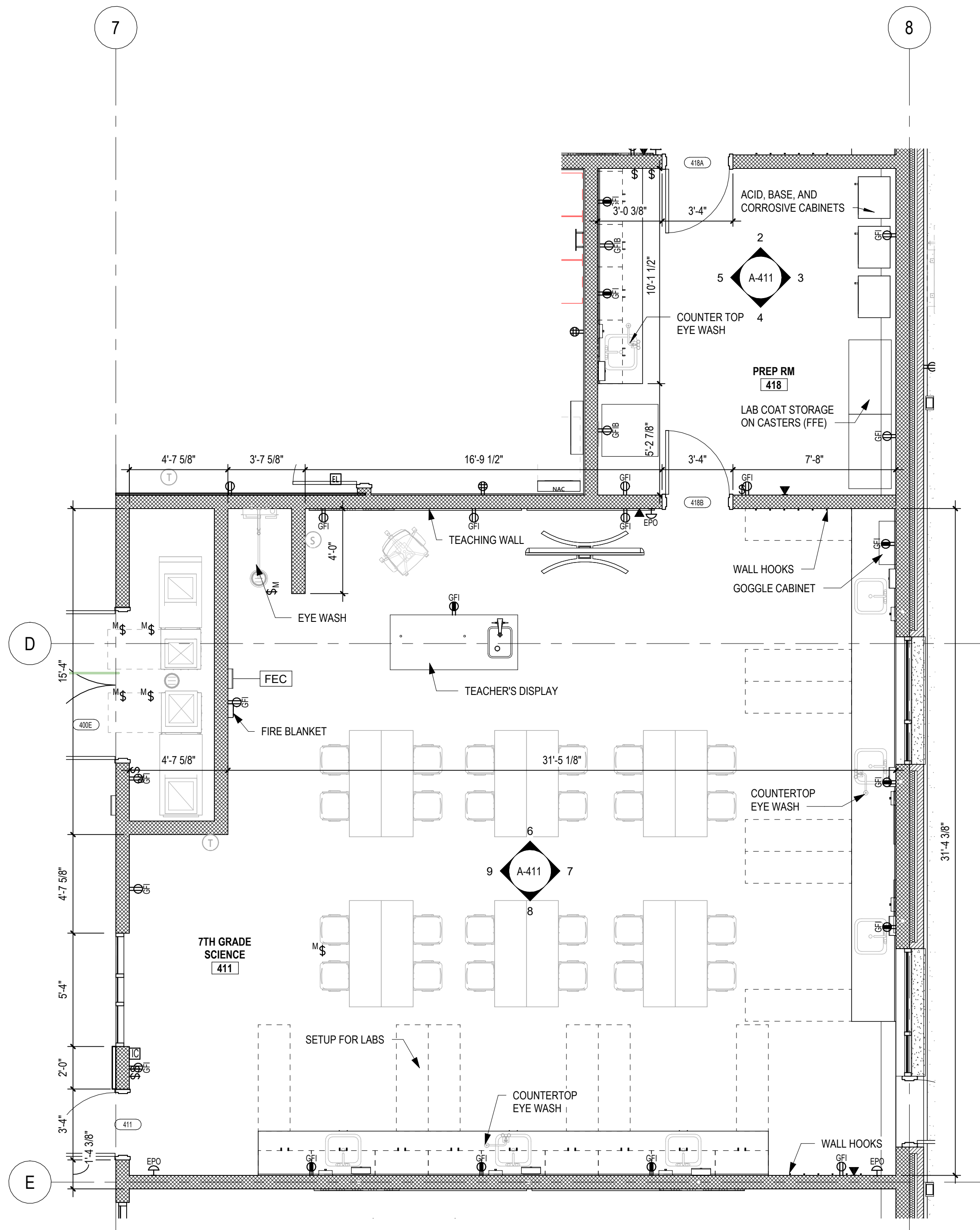
3 INT. ELEVATIONS - TYP SCIENCE PREP ROOM EAST
A-411 SCALE: 1/4" = 1'-0"



4 INT. ELEVATIONS - TYP SCIENCE PREP ROOM SOUTH
A-411 SCALE: 1/4" = 1'-0"



2 INT. ELEVATIONS - TYP SCIENCE PREP ROOM NORTH
A-411 SCALE: 1/4" = 1'-0"



1 ENLARGED PLAN - TYP SCIENCE CLASSROOMS
A-411 SCALE: 1/4" = 1'-0"

ENLARGED SCIENCE LAB FLOOR PLAN LEGEND

SYMBOL	DESCRIPTION
	1 HR RATED (FIRE BARRIER)
	2 HOUR RATED WALL
	TEACHING WALL - SEE SHEET 401
	CONTROL JOINT - SEE DETAIL A-010
	FLOOR DRAIN - SEE PLUMBING DRAWINGS
	STOREFRONT (CURTAIN WALL) TAG - SEE SHEET A-611 AND FLOOR PLANS
	WINDOW TAG - SEE SHEET A-611 AND FLOOR PLANS
	DOOR TAG - SEE SHEET A-601 AND FLOOR PLANS

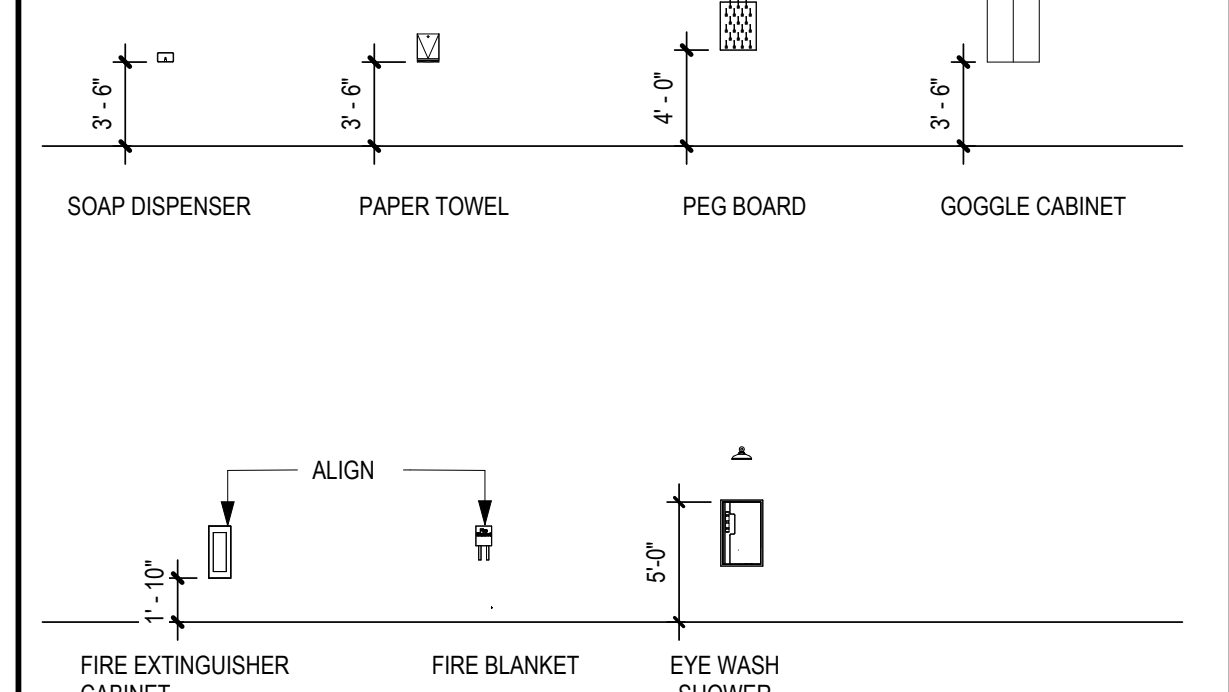
GENERAL NOTES:

- ALL FINISHES IN FAMILY SCIENCE CLASSROOMS TO BE HEALTH GRADE FINISHES. REFER TO FINISH PLAN FOR SPECIFICATION.
- ALL SCIENCE LAB AND PREP ROOM CASEWORK TO BE WOOD WITH EPOXY RESIN COUNTERTOPS WITH 4" BACKSPLASH WHICH ARE RESISTANT TO CHEMICALS. REFER TO SPECIFICATIONS AND INTERIOR FINISH LEGEND FOR ADDITIONAL INFORMATION.
- ALL PREP ROOM TALL STORAGE CABINETS TO BE VENTED & LOCKABLE & LABELED AS SUCH. SEE PLUMBING DRAWINGS FOR SEDIMENT FILTERS AND ACID NEUTRALIZATION SYSTEM. TO BE PROVIDED BY MILLWORK CONTRACTOR.
- GENERAL CONTRACTOR TO PROVIDE ALL SCIENCE CLASSROOMS WITH THE SAFETY EQUIPMENT BELOW AND TO BE STORED IN THE SCIENCE ROOM AND/OR PREP ROOM:
 - FIRE BLANKET (ONE PER CLASSROOM)
 - CHEMICAL & FIRE-RESISTANT APRONS/LAB COATS (ONE PER STUDENT)
 - FIRE EXTINGUISHER ABC (ONE PER ROOM)
 - SPILL CONTROL CENTER
 - SAFETY SHIELDS (ONE PER STUDENT)
 - GOGGLES AND GOGGLE SANITIZER (ONE PER STUDENT)
 - HEAT & ACID RESISTANT GLOVES (ONE PER STUDENT)
 - SAFETY/CHEMICAL INVENTORY SOFTWARE
 - BROKEN GLASS DISPOSAL CONTAINER
 - COAT & BACKPACK HOOKS (TO BE LOCATED ON EACH STUDENT DESK & PROVIDED BY FURNITURE VENDOR)

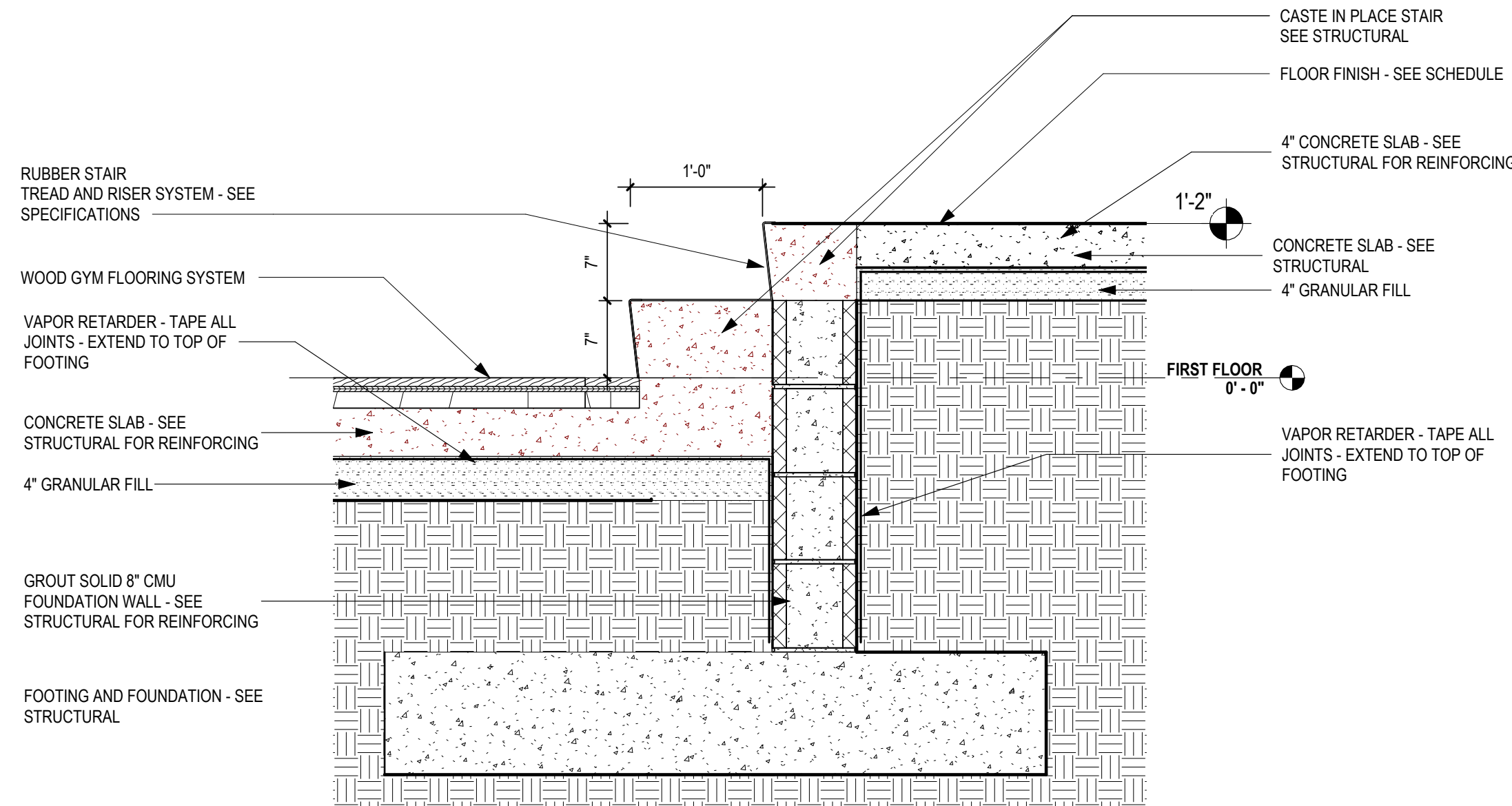
ENLARGED SCIENCE LAB PLANS & ELEVATIONS SCHEDULE

- WALL HOOKS
- FIRE EXTINGUISHER CABINET
- FIRE BLANKET CABINET - BOD: NYSTROM BC-6001
- EYE WASH
- FUME HOOD
- FLAMMABLES STORAGE CABINET
- ACID CORROSIVE STORAGE CABINET
- REFRIGERATOR
- DISHWASHER (REF: INTERIOR SIGNAGE DETAILS FOR REOD SIGNAGE)
- GOGGLE CABINET (OFOI)
- DRYING RACK (OFOI)
- TEACHER'S DISPLAY (OFOI) PLUMBING, ELECTRIC, AND ACCESSORIES (CFCI)
- LAB COAT STORAGE
- BASE CORROSIVE STORAGE CABINET

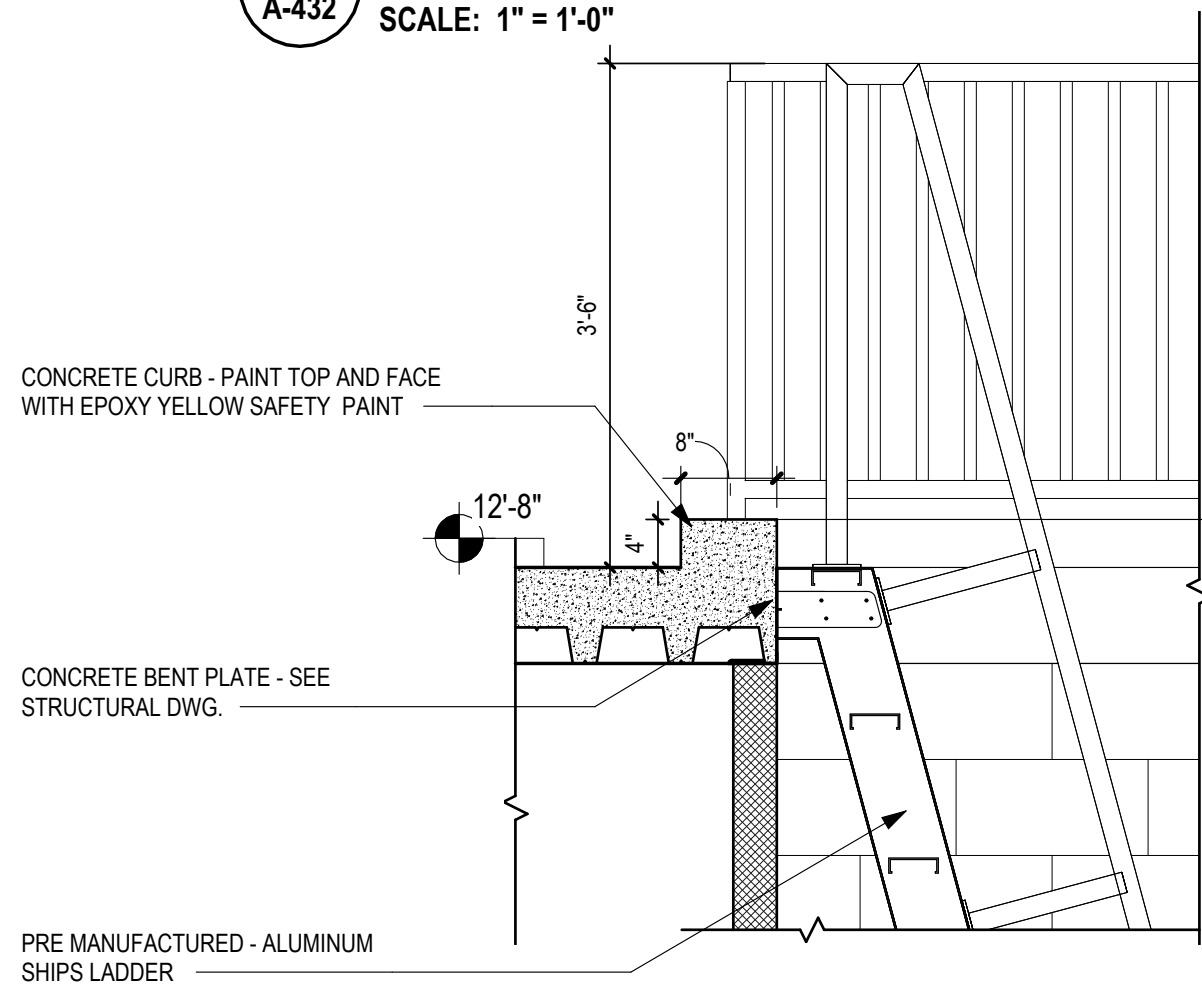
SCIENCE LAB EQUIPMENT MOUNTING HEIGHT LEGEND



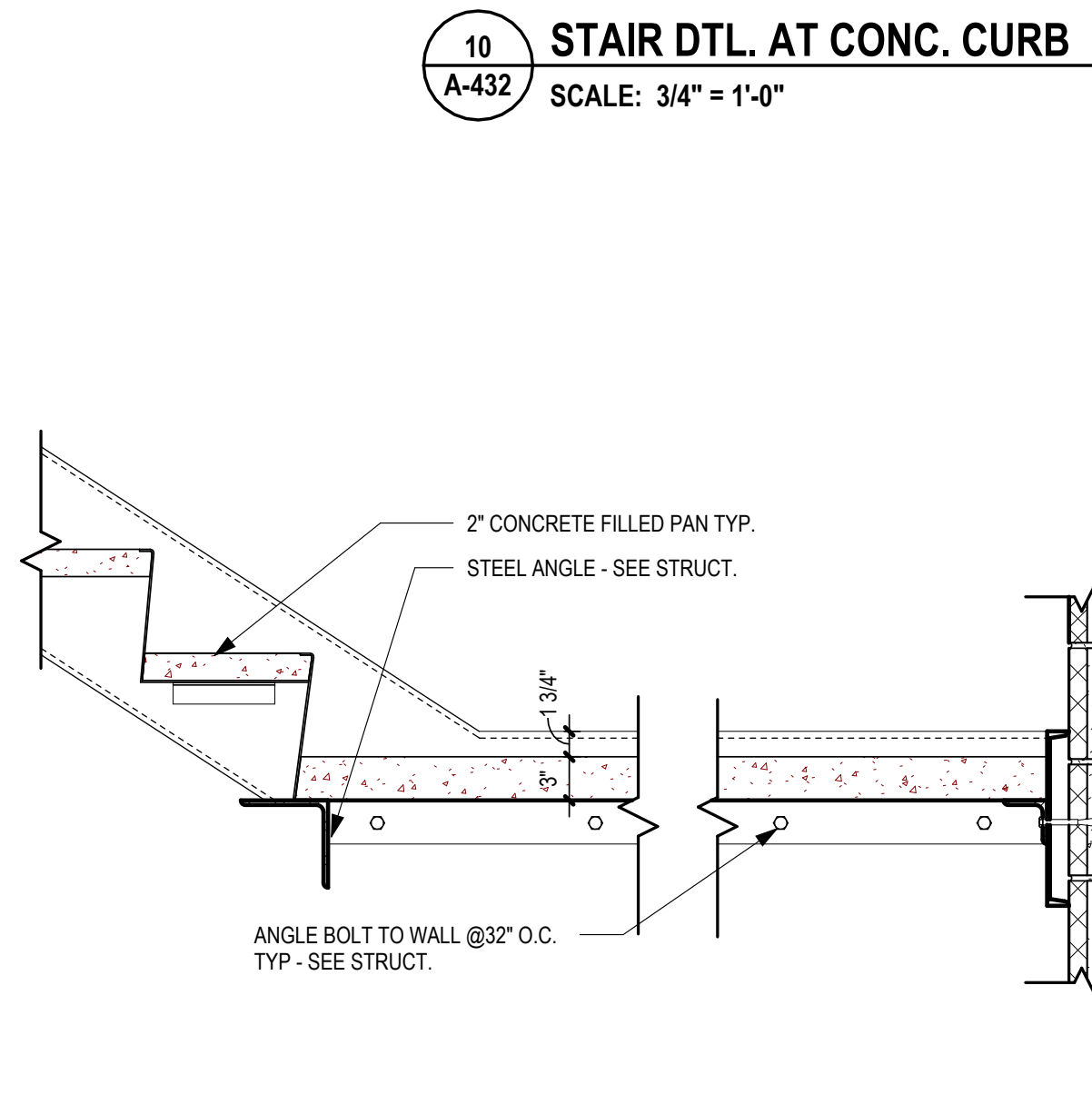
DETAIL 16
NOT USED



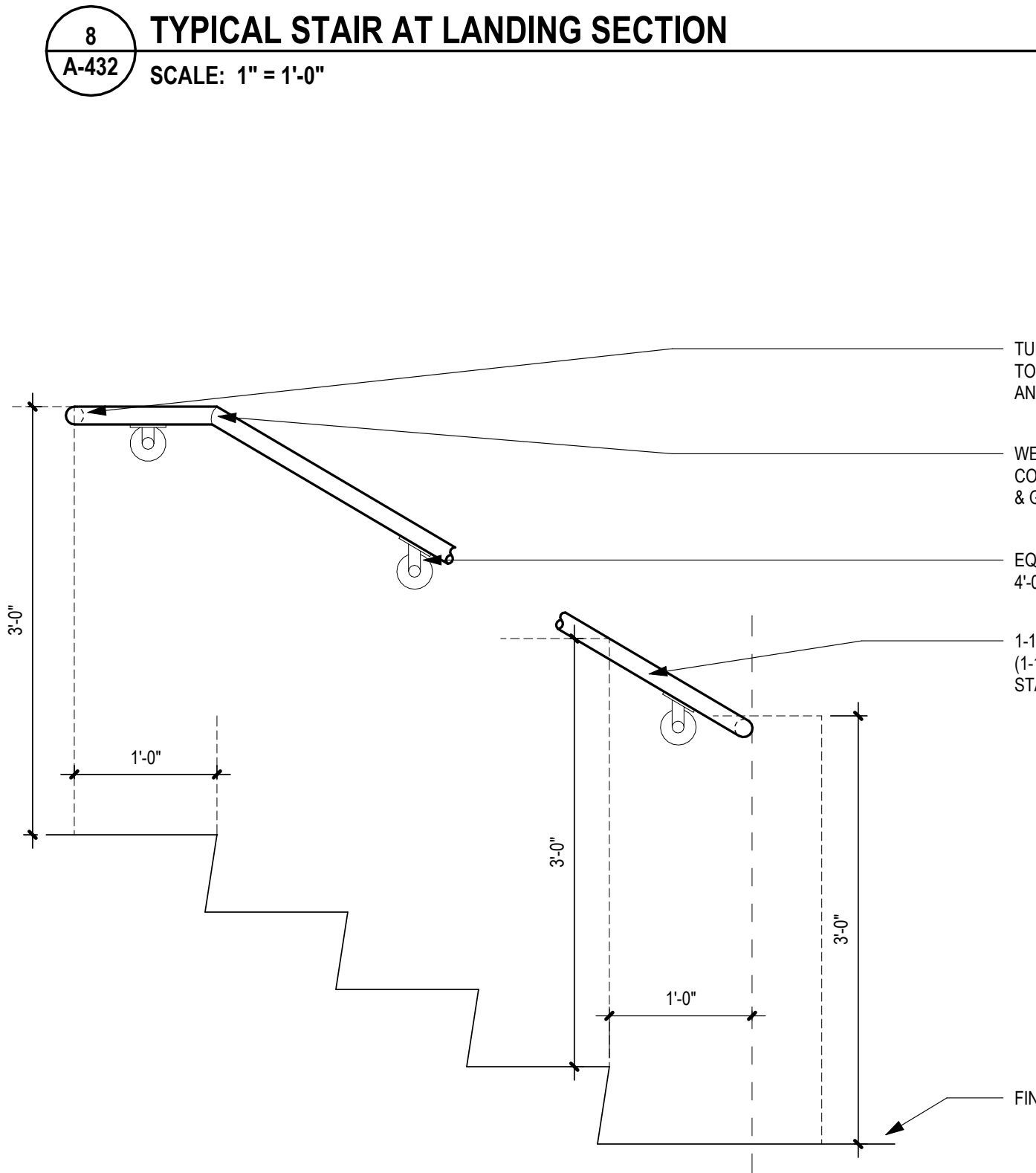
17 PLATFORM STAIR
A-432
SCALE: 1" = 1'-0"



10 STAIR DTL. AT CONC. CURB
A-432
SCALE: 3/4" = 1'-0"



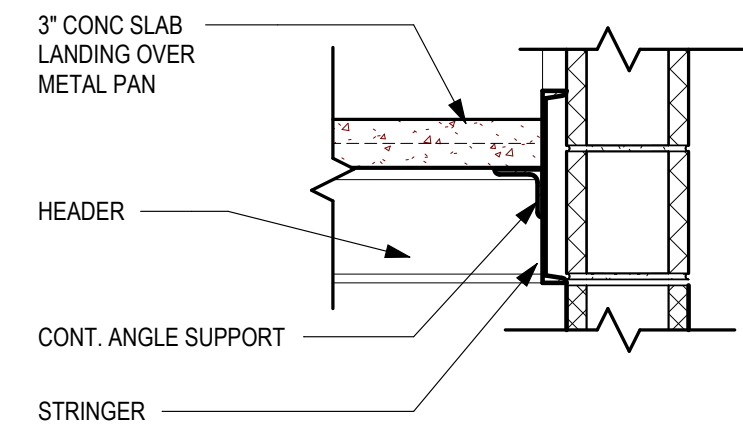
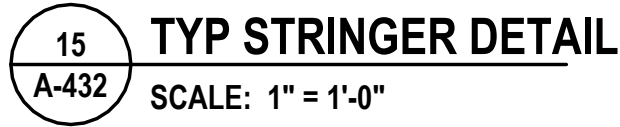
8 TYPICAL STAIR AT LANDING SECTION
A-432
SCALE: 1" = 1'-0"



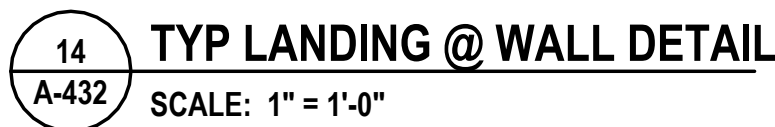
4 TYPICAL WALL MOUNT HANDRAIL DETAIL
A-432
SCALE: 1" = 1'-0"



15 TYP STRINGER DETAIL
A-432
SCALE: 1" = 1'-0"



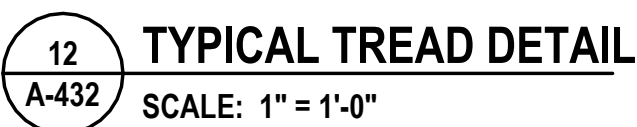
14 TYP LANDING @ WALL DETAIL
A-432
SCALE: 1" = 1'-0"



13 TYP STAIR @ LANDING DETAIL
A-432
SCALE: 1" = 1'-0"



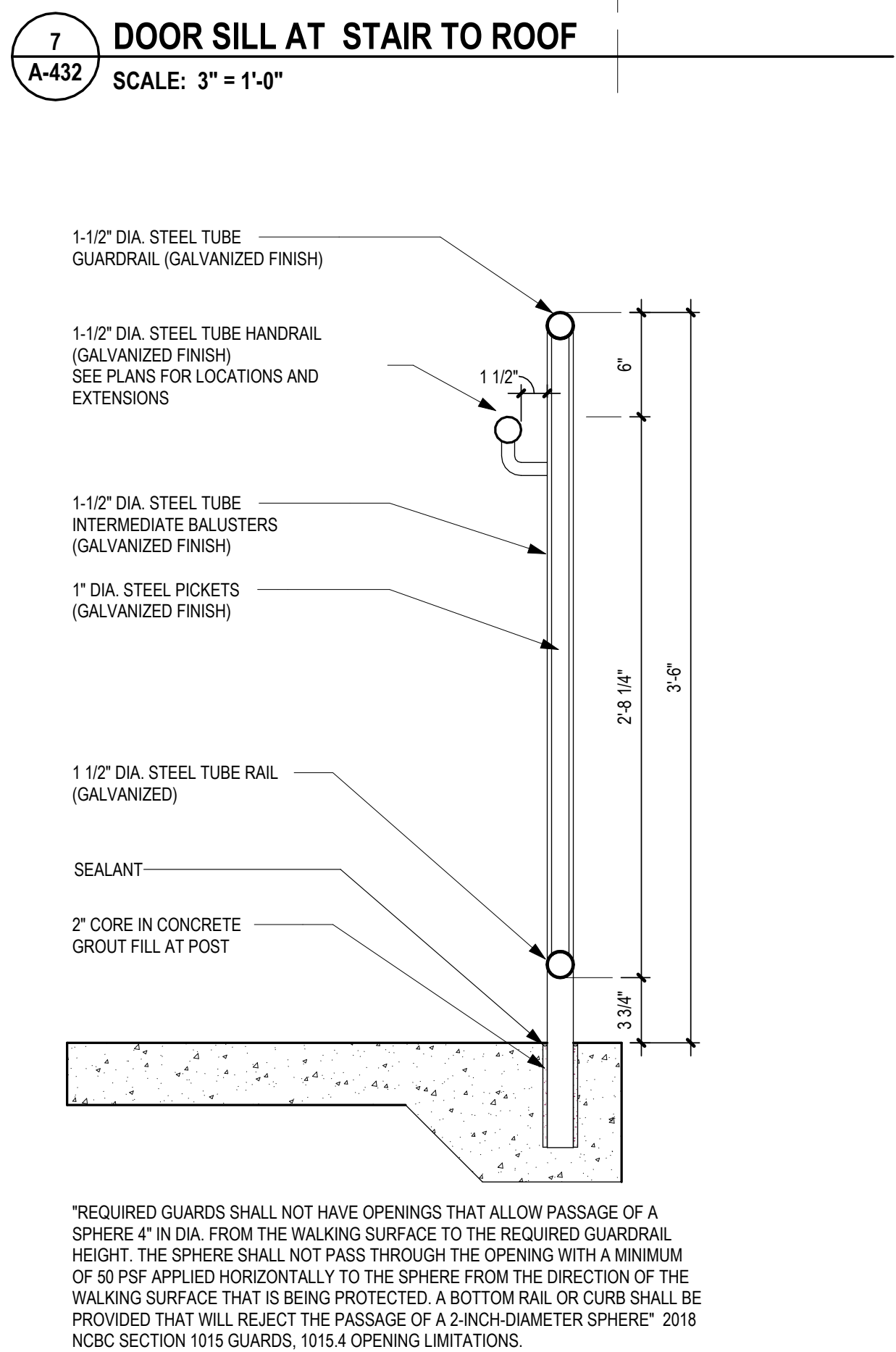
12 TYPICAL TREAD DETAIL
A-432
SCALE: 1" = 1'-0"



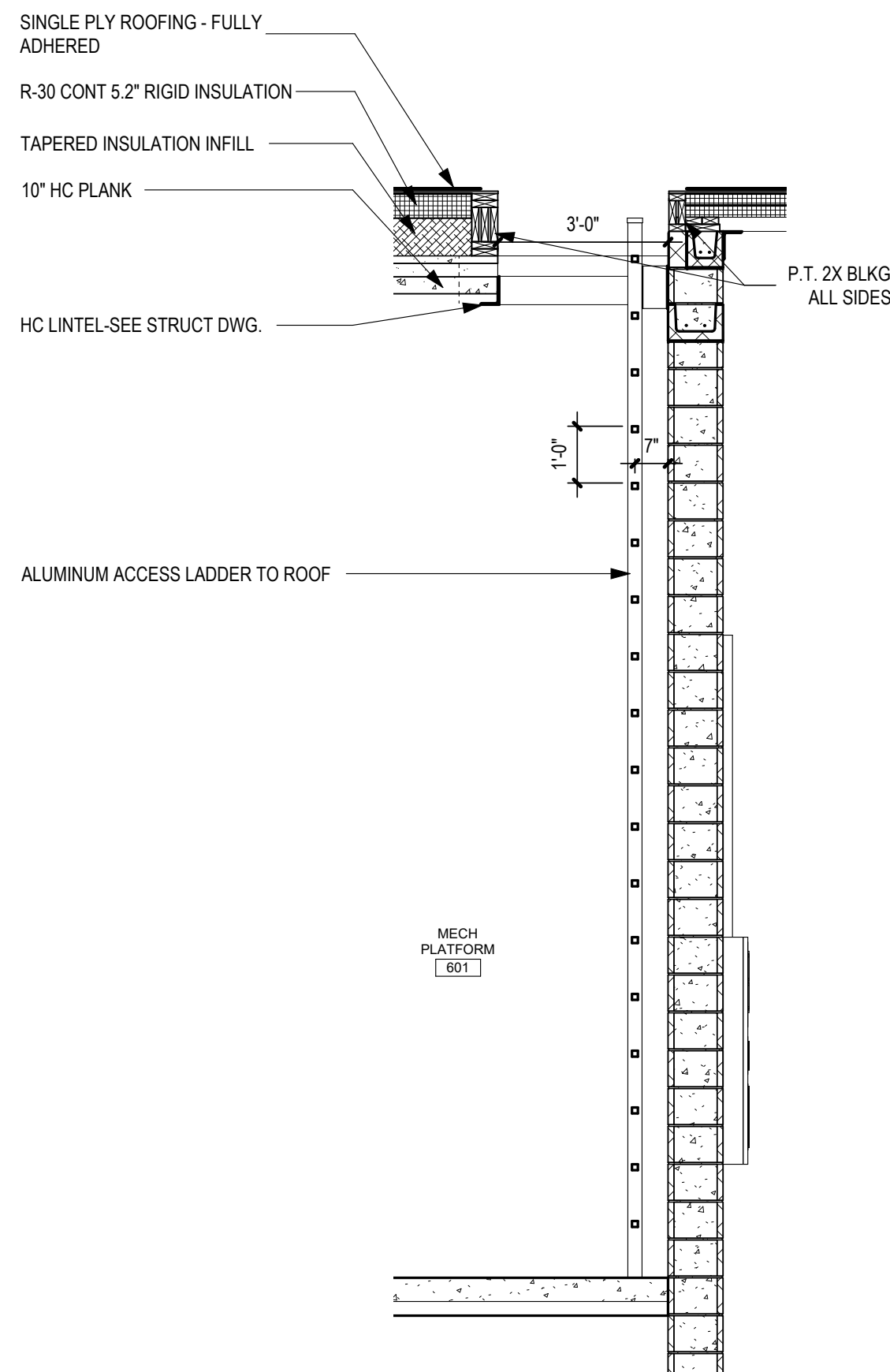
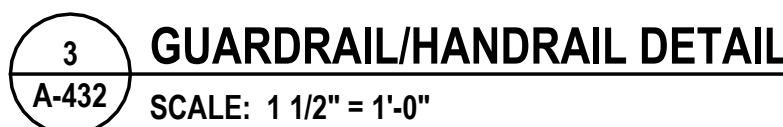
11 TYP STAIR @ FLOOR DETAIL
A-432
SCALE: 1" = 1'-0"



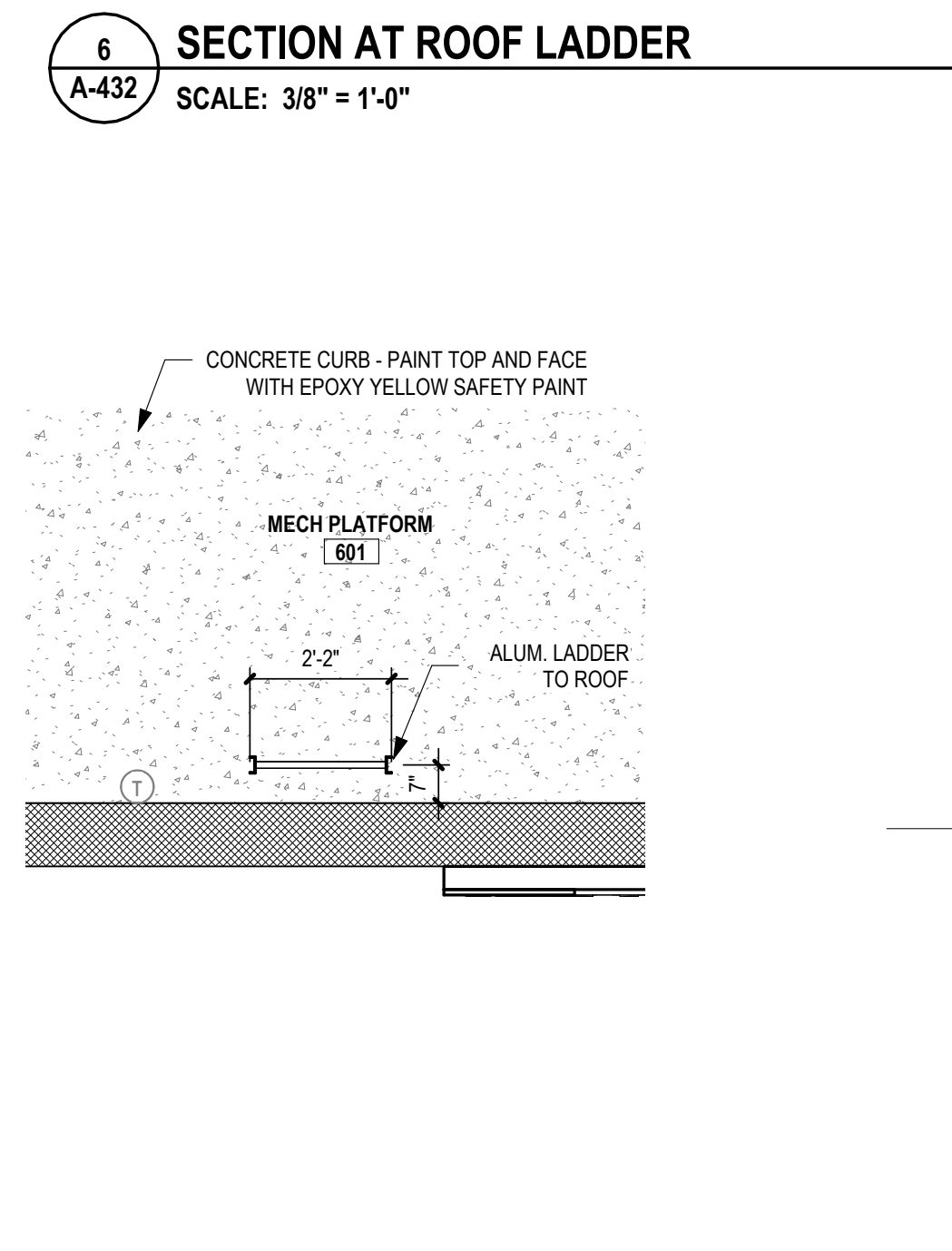
7 DOOR SILL AT STAIR TO ROOF
A-432
SCALE: 3" = 1'-0"



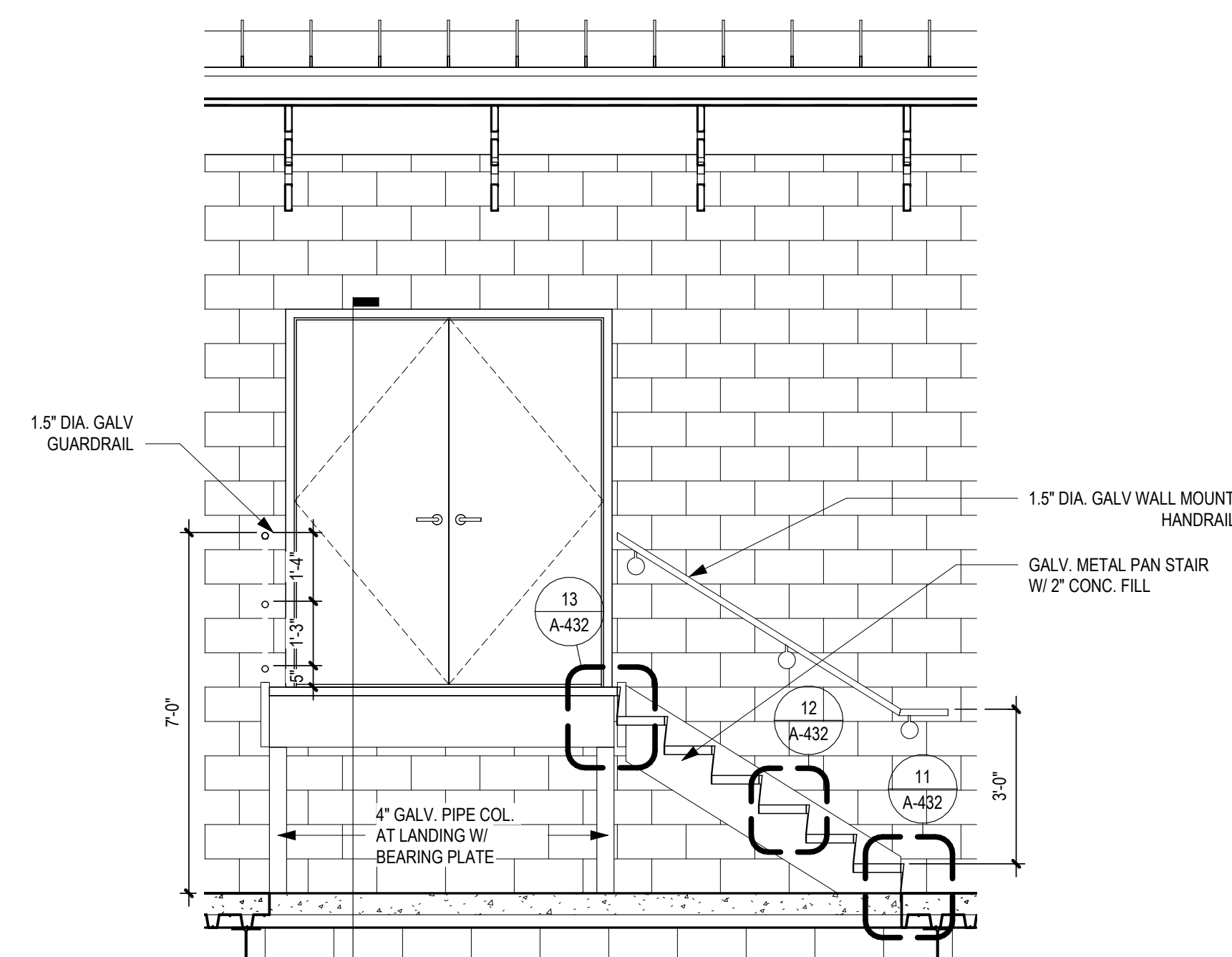
3 GUARDRAIL/HANDRAIL DETAIL
A-432
SCALE: 1 1/2" = 1'-0"



6 SECTION AT ROOF LADDER
A-432
SCALE: 3/8" = 1'-0"



2 PLAN - ROOF ACCESS LADDER - MECH 601
A-432
SCALE: 3/8" = 1'-0"



ALL STAIR AND HANDRAIL COMPONENTS
ARE HOT DIPPED GALV. FINISH

9 SECTION - STAIR/LANDING TO ROOF
A-432
SCALE: 3/8" = 1'-0"



ALL STAIR AND HANDRAIL COMPONENTS
ARE HOT DIPPED GALV. FINISH



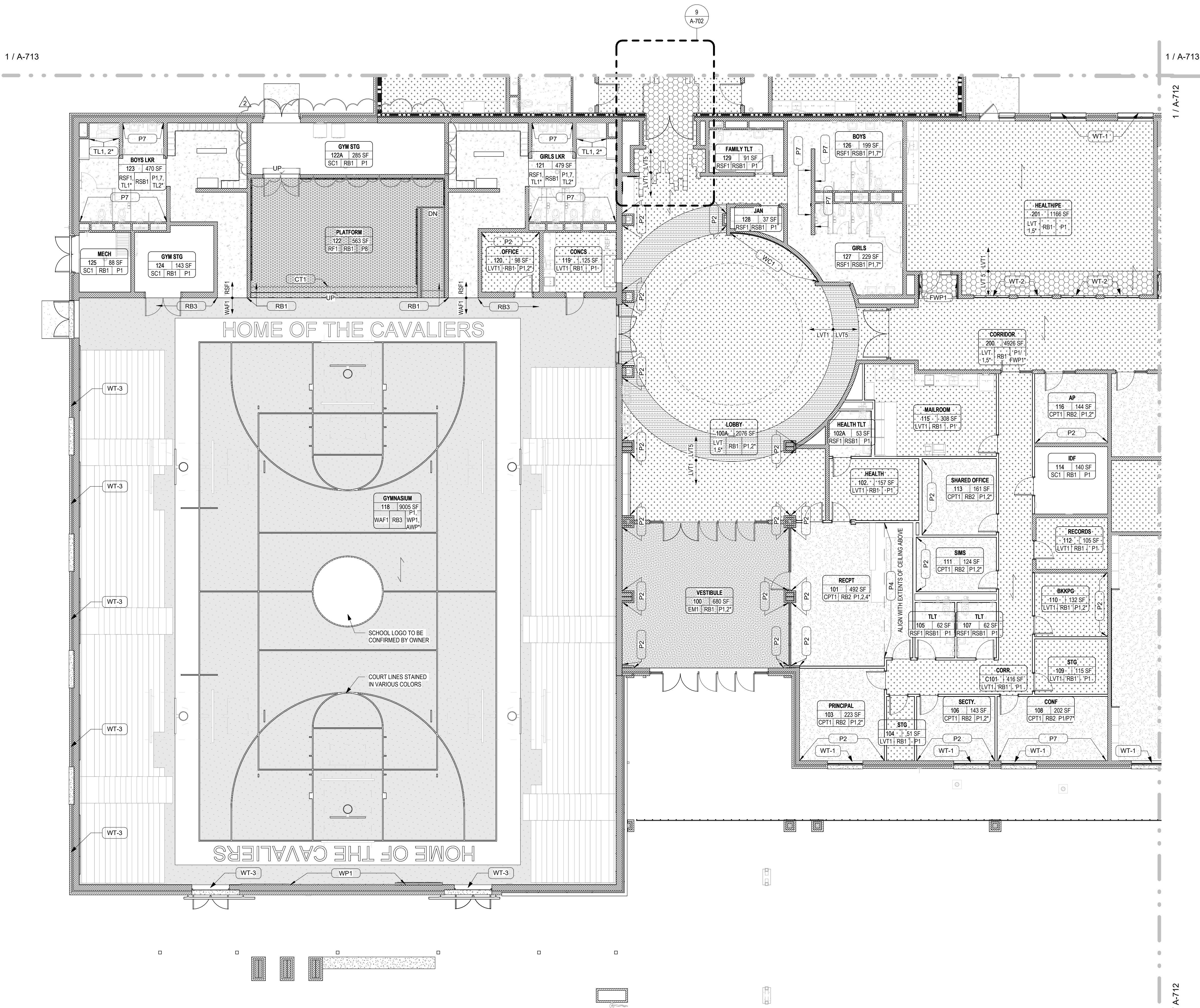
5 SECTION - STAIR TO ROOF
A-432
SCALE: 3/8" = 1'-0"



1 ENLRGD PLAN - STAIR TO ROOF - MECH 602
A-432
SCALE: 3/8" = 1'-0"

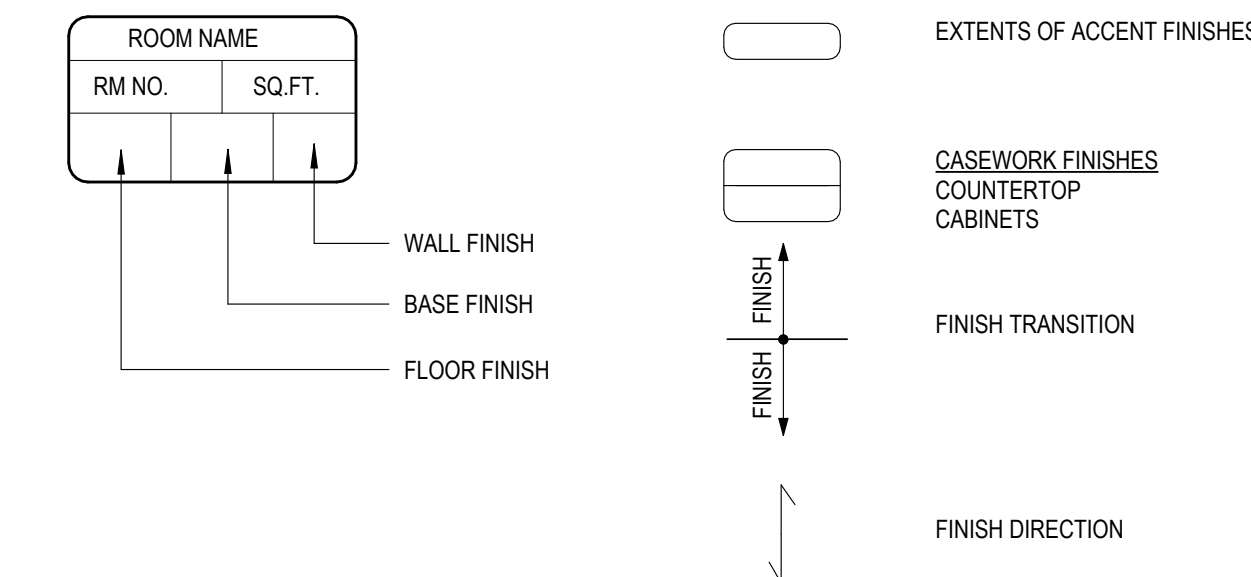


1 / A-713



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

FINISH FLOOR PLAN LEGEND



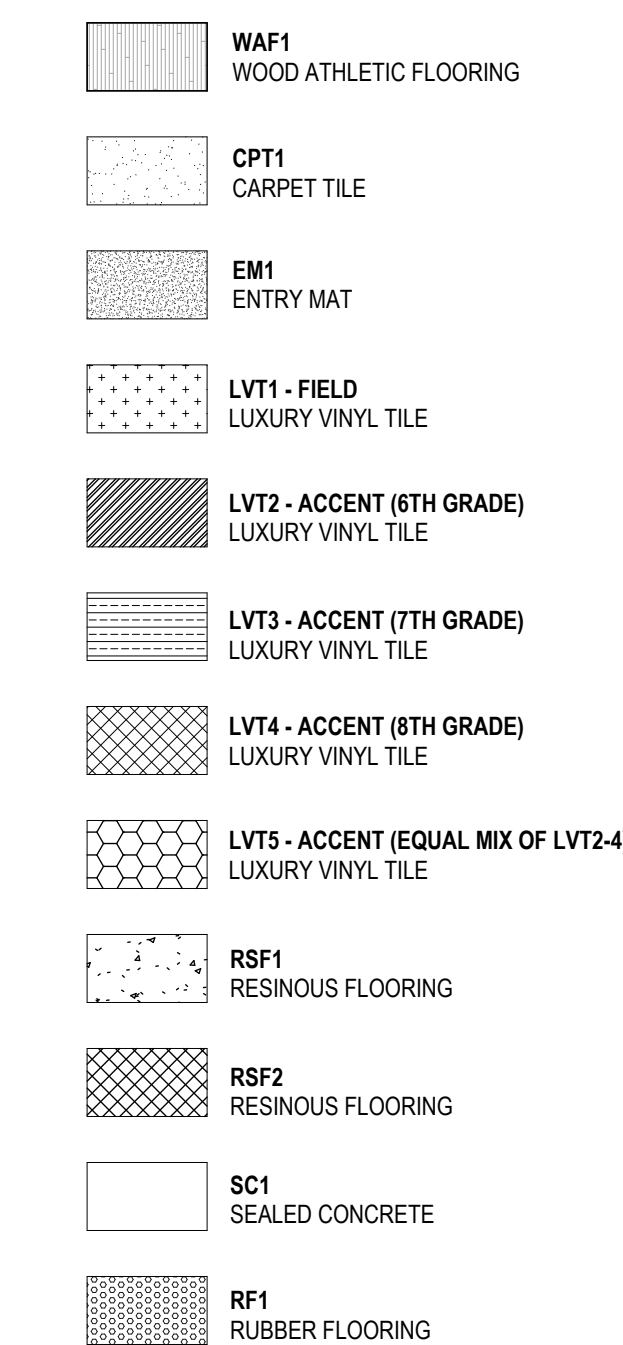
GENERAL FINISH NOTES

- REFER TO THE FINISH PLANS, INTERIOR ELEVATIONS, AND INTERIOR FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- ALL FLOORING TRANSITIONS OCCUR AT THE CENTER OF THE UNDERSIDE OF THE DOOR UNLESS OTHERWISE NOTED.
- ALL FINISHES LISTED AS "TBD" TO BE SELECTED FROM BASIS OF DESIGN MANUFACTURER'S FULL RANGE OF COLORS.
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- ALL INTERIOR FINISHES TO COMPLY WITH CHAPTER 8 OF THE 2018 NC BUILDING AND FIRE CODES. REFER TO SPECIFICATIONS FOR CLASS RATINGS FOR EACH FINISH MATERIAL.

PAINT NOTES

- PAINT P1 STANDARD WALL FIELD IN ALL LOCATIONS U.N.O.
- EPOXY PAINT TYPICAL AT ALL RESTROOMS, JANITOR CLOSETS, AND KITCHEN / SERVING AREAS.
- SEMGLOSS PAINT TYPICAL AT ALL CONCRETE MASONRY WALLS AND HOLLOW METAL DOOR FRAMES, U.N.O.
- EGGSHELL PAINT TYPICAL AT ALL GYPSUM BOARD WALLS U.N.O.
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- PAINT COLORS DESIGNATED AT BULKHEADS TO BE APPLIED TO ENTIRE VERTICAL AND HORIZONTAL FACES, UNLESS NOTED OTHERWISE IN RCP AND ELEVATIONS.
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EXPOSED DUCTWORK IN GYM ACCENT PAINT - TBD
MEP PIPE, CONDUITS, EQUIPMENT/ACCESSORIES, ETC. - DRY FOG WHITE

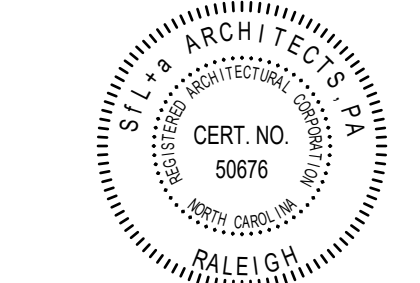
FLOOR PATTERN PLAN LEGEND



KEY PLAN 100

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Construction Documents

Lenoir County

EB Frink Middle School

405 North Charles Street La Grange NC, 28551

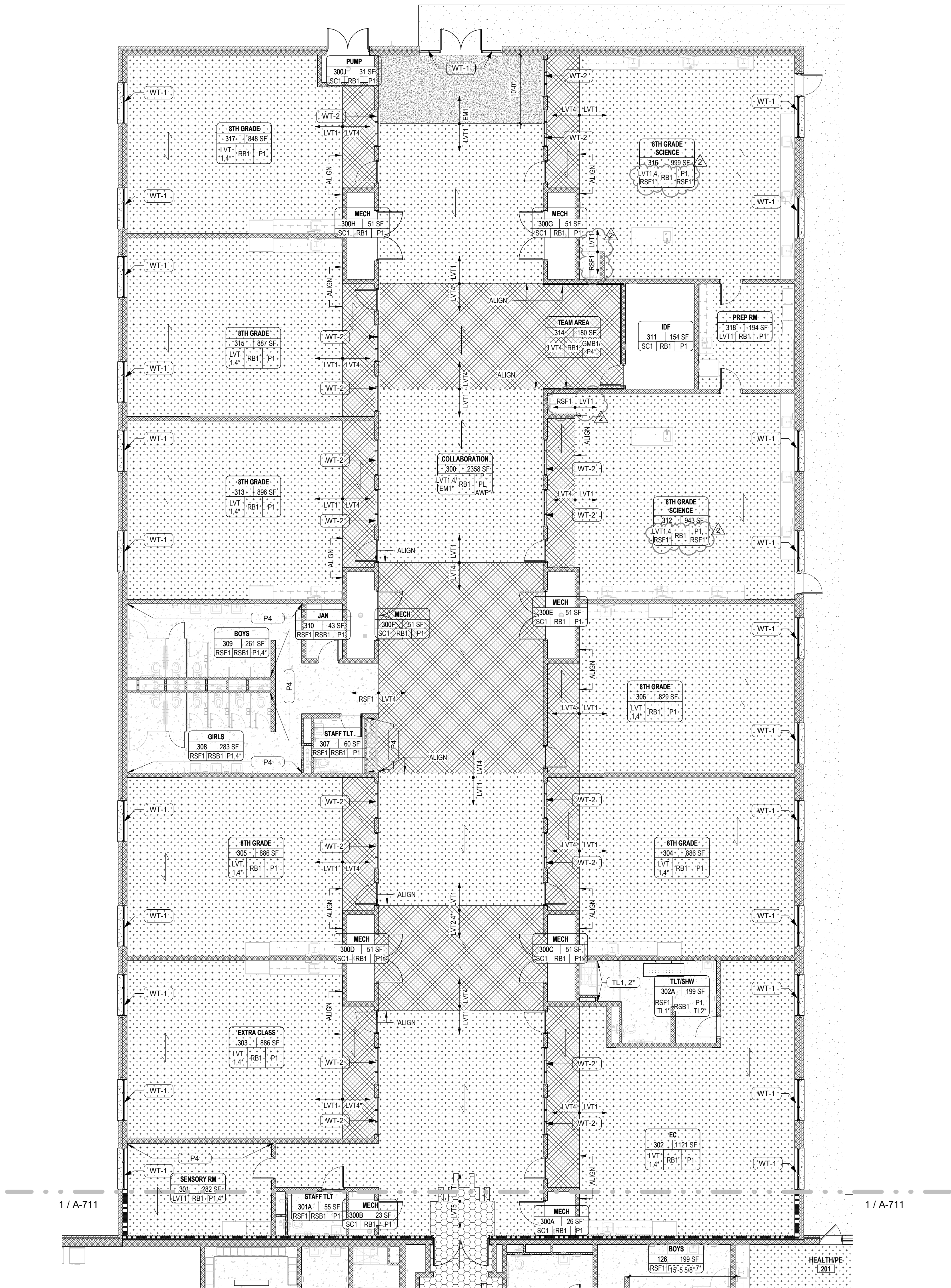


No.	Date	Description
2	03/05/2025	BID ADDENDUM 1

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RLH
CHECKED BY: MK
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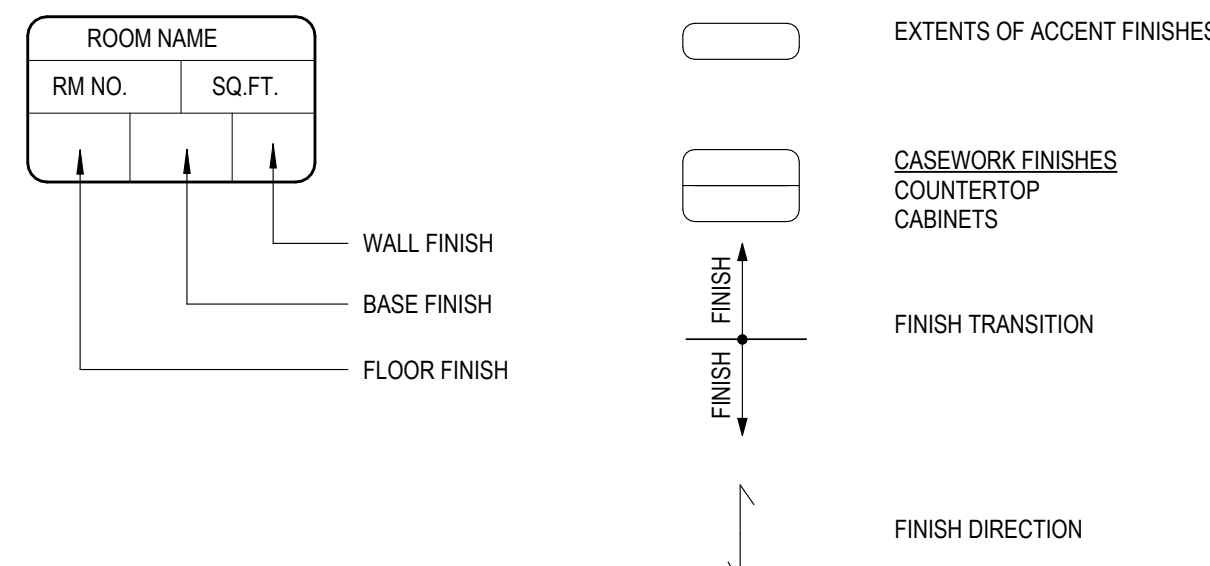
FINISH FLOOR PLAN
- AREA 100

A-711



1
A-713
FINISH FLOOR PLAN-AREA 300
SCALE: 1/8" = 1'-0"

FINISH FLOOR PLAN LEGEND



GENERAL FINISH NOTES

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EXPOSED DUCTWORK IN GYM ACCENT PAINT - TBD
MEP PIPE, CONDUITS, EQUIPMENT/ACCESSORIES, ETC. - DRY FOG WHITE

FLOOR PATTERN PLAN LEGEND



7
KEY PLAN 300

No.	Date	Description
2	03/05/2025	BID ADDENDUM 1

ISSUE DATE: 02/18/2025

PROJECT #: 02303.000

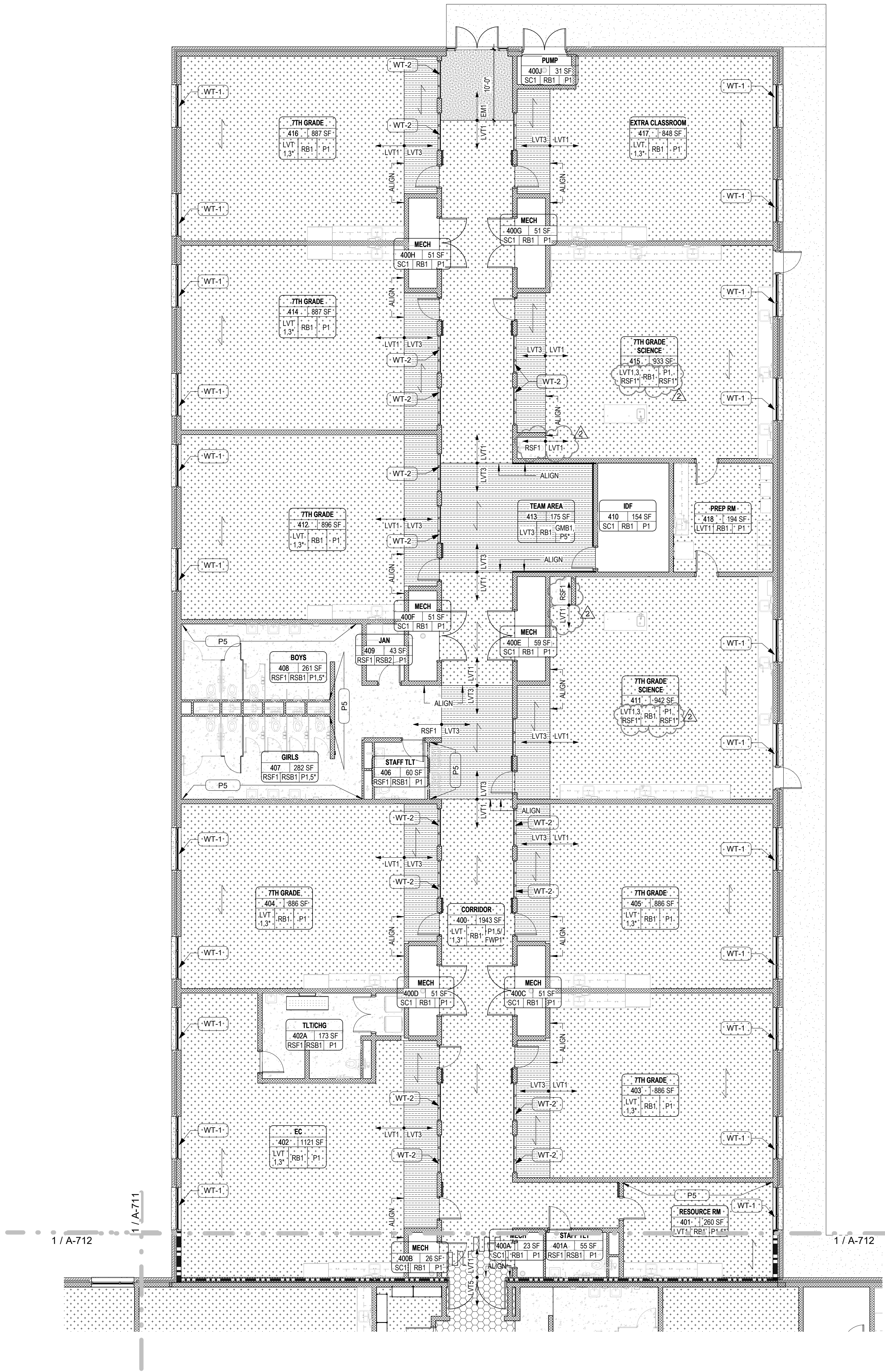
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CHECKED BY: MK

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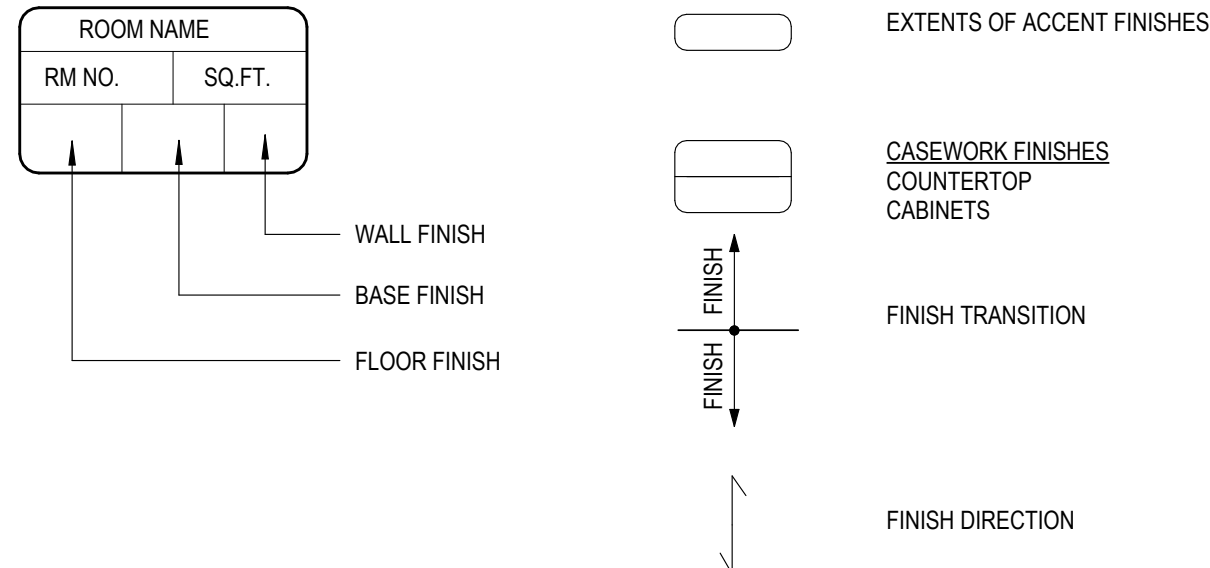
FINISH FLOOR PLAN

- AREA 300



1 FINISH FLOOR PLAN-AREA 400
SCALE: 1/8" = 1'-0"

FINISH FLOOR PLAN LEGEND



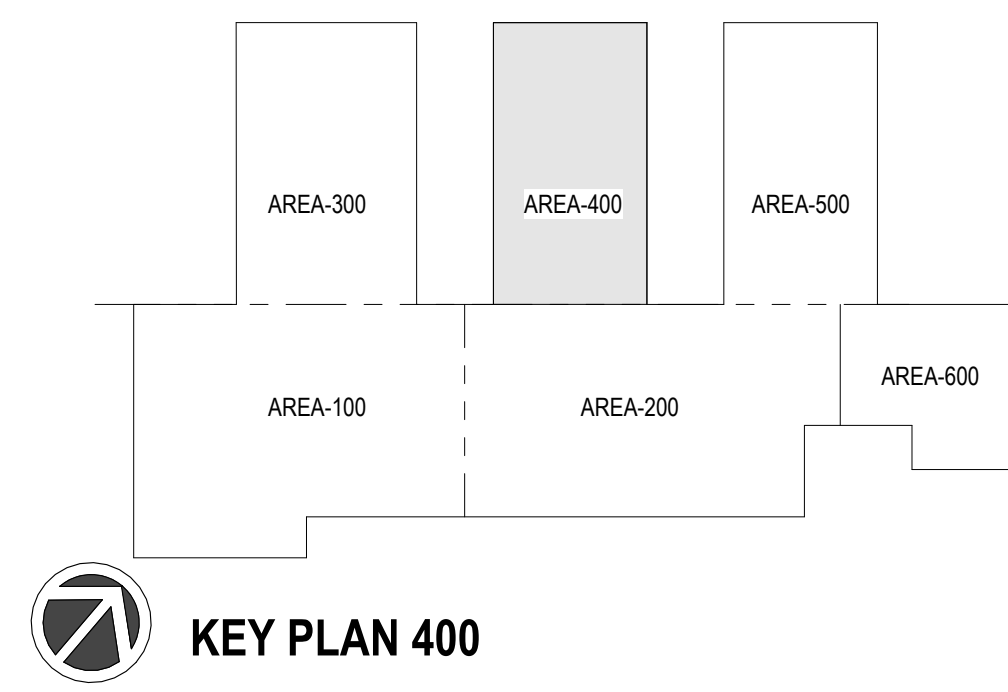
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EXPOSED DUCTWORK IN GYM ACCENT PAINT - TBD
MEP PIPE, CONDUITS, EQUIPMENT/ACCESSORIES, ETC. - DRY FOG WHITE

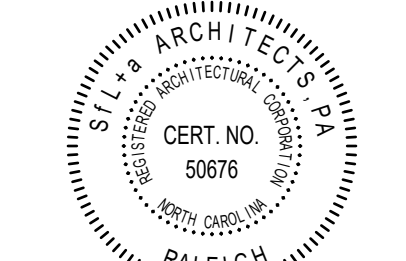
FLOOR PATTERN PLAN LEGEND



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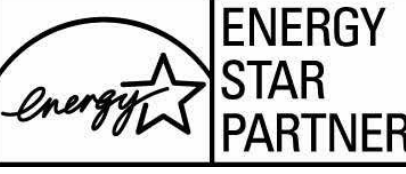
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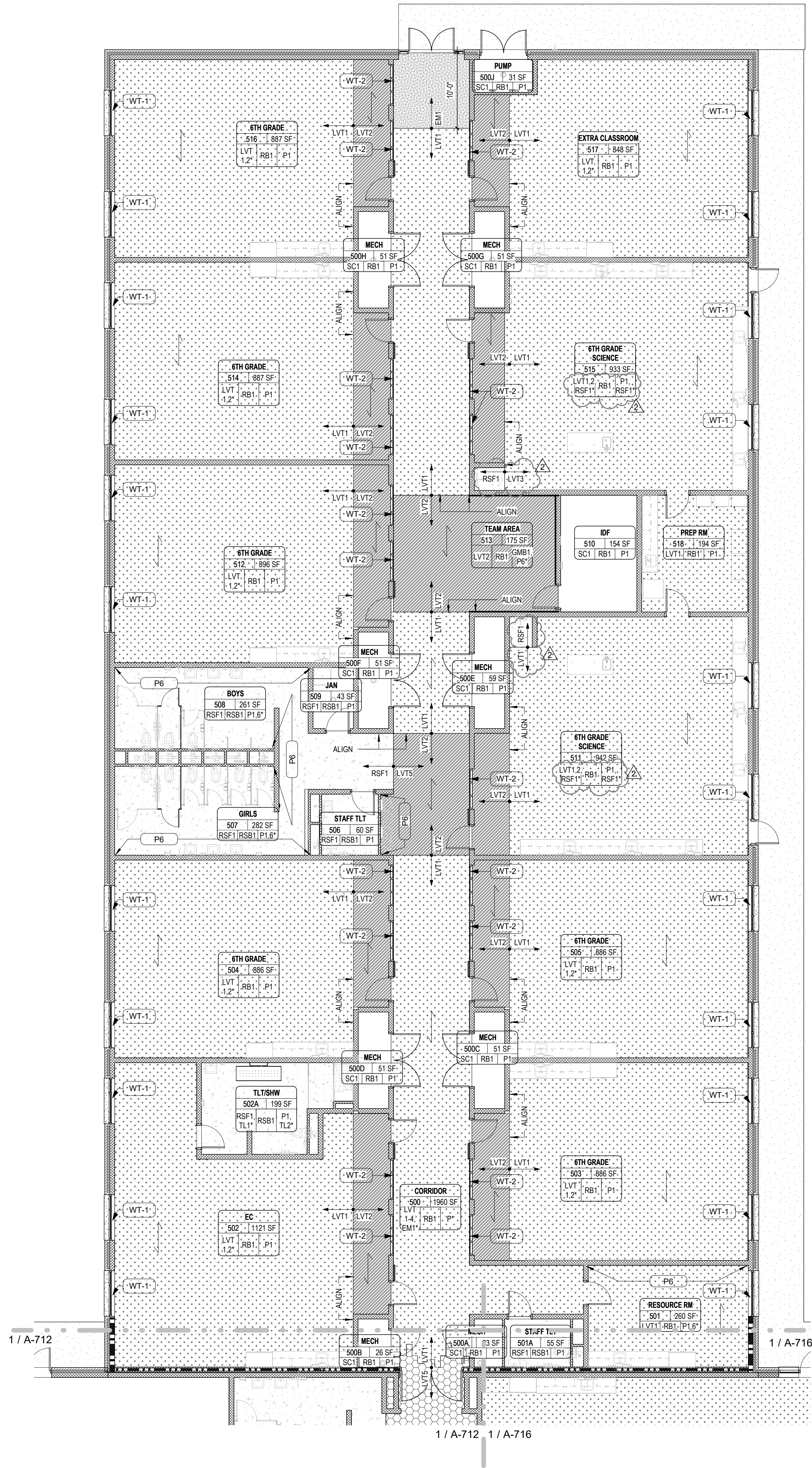
Lenoir County
EB Frink Middle School
405 North Charles Street La Grange NC, 28551



No.	Date	Description
2	03/05/2025	BID ADDENDUM 1

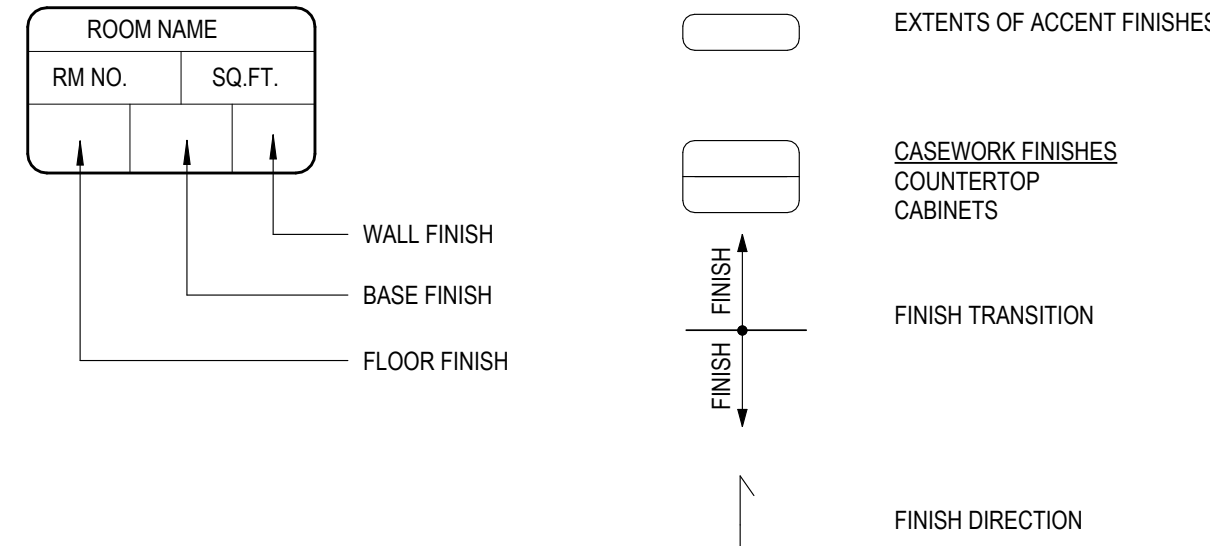
ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
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CHECKED BY: MK
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FINISH FLOOR PLAN
- AREA 400

A-714



1
A-715
FINISH FLOOR PLAN-AREA 500
SCALE: 1/8" = 1'-0"

FINISH FLOOR PLAN LEGEND



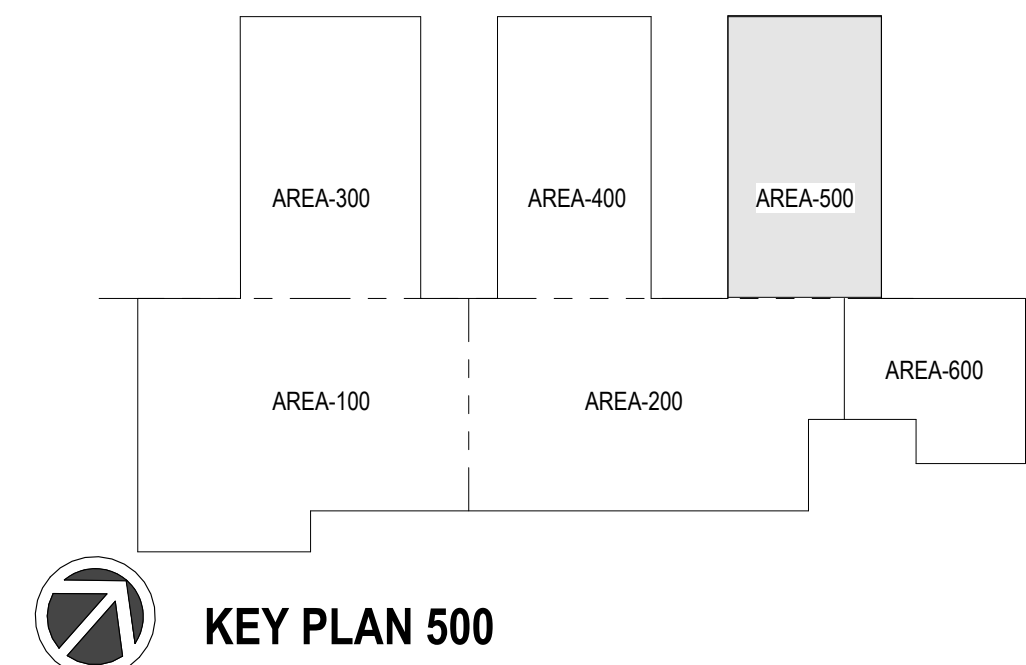
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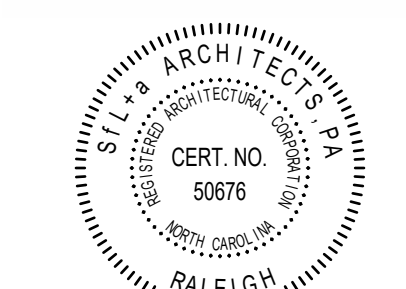
FLOOR PATTERN PLAN LEGEND



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EB Frink Middle School
405 North Charles Street La Grange NC, 28551




No.	Date	Description
2	03/05/2025	BID ADDENDUM 1

ISSUE DATE: 02/18/2025
PROJECT #: 02303.000
DRAWN BY: RLH
CHECKED BY: MK
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FINISH FLOOR PLAN
- AREA 500

A-715

EB Frink Middle School RFI Log									
ITEM #	REQUEST DATE	REQUEST LOCATION Plans/Spec/Bid Manual	QUESTION	RESPONSE	RESPONDER	ANSWER DATE	TRADE/SCOPE	REQUEST BY	
1		Plans / S-301	In reference to the Control joint on S-301 detail 14, shows CJ at columns but none are shown on the Slab Plan. Please provide a drawing showing CJ around Columns to insure the CJ are in the correct location.	This will be addressed in Addendum #2.	B&P	3/5/2025	BP0330	Metcon	
2		Plans	There are a few floor drains located throughout the building but nowhere on the drawings show sloped concrete, please advise if the concrete slab needs to be sloped to the drain in a few areas.	There are not additional floor sloping at floor drains. For kitchen floor drains refer to details 1 and 2 on A-511. In restroom locations reduce floor sink dimention to 2'x2'.	SFL+a	3/5/2025	BP0330	Metcon	
3		Plans	Hose bibbs are located in a few mechanical closets but aren't in all. Please confirm if hose bibbs are required in other mechanical closets.	Hose bibbs are located correctly and are not intended to be in all locations.	SFL+A	3/5/2025	BP2200	Metcon	
4		Plans	Need extended column lines from north to south on Structural and Architectural	This will be addressed in forthcoming addendum.	SFL+A	3/5/2025	All	Metcon	
5		Plans	I- Beams in area 600,300,400,500 do not show TOS elevations	This will be addressed in forthcoming addendum.	SFL+A	3/5/2025	BP0510	Metcon	
6		Plans	In lieu of the front miscellaneous steel angle on the perimeter roof edge / face of the building. We suggest using metal framing	This will be addressed in forthcoming addendum.	SFL+A	3/5/2025	BP0510	Metcon	
7		Plans / A-010	Wall type L8A6 shown on A-010. Clarify where this wall type is located.	Wall type has been removed.	SFL+a	2/26/2025	General	Metcon	
8		Plans	No electrical floor box dimensions.	Dimension shall be coordinated in a forthcoming addendum.	SfL+a		Electrical/ Concrete	Metcon	
9		Plans / A-411	In reference to detail 8 on A-411 the casework does not show a clear dimension off of the adjacent wall. Please provide	Dimensions to be provided in Addendum #1.	SfL+a	3/3/2025	BP1230	Metcon	
10	2.25.2025	Plans & Specifications	Room Identification Signs Please provide a signage schedule for the required room identification signs detailed on A-702	Signage schedule will not be provided. Refer to specification for additional details.	SFL+a	3/5/2025	BP1014	AOA Signs	
11	2.25.2025	Plans	Dimensional Letter Sign - Building Face - Building Name Please confirm the required copy: E.B. FRINK MIDDLE SCHOOL (18"). Please provide an exterior elevation drawing detailing the location of these building letters.	Drawings have been updated to indicate location and dimension. See specification for revisions. Revisions to be issued in forthcoming addendum.	SFL+a	3/5/2025	BP1014	AOA Signs	
12	2.25.2025	Plans & Specifications	Primary Monumental Site Sign Spec: (48) Total Characters (12") (20) Total Charaters (8") A-502: EB FRINK MIDDLE SCHOOL (18") 405 (8") (2 Seys) Please confirm the required quantity of dimensional characters required on the Monumental Site Sign.	A-502 is correct. Specs to be revised.	SFL+a	3/5/2025	BP1014	AOA Signs	
13	2.25.2025	Plans & Specifications	Interior Metal Letters Please confirm the required quantity of the following: MEDIA CENTER , BAND , AGRICULTURE , ART , CHORUS , BUSINESS , STEM , HEALTH , BOYS , GIRLS	Refer to specification 101400 Part 2.6.B.5. for sign quantities requested.	SFL+a	2/26/2025	BP1014	AOA Signs	
14	2.25.2025	Scope	Warning Stencils Typically, Warning Stencils are NOT included in Signage Bid Packages. Are Warning Stencils included in Bid Package 1014 Signage?	Will be excluded from Signage bid package BP1014 in forthcoming Addendum	Metcon	2/26/2025	BP1014	AOA Signs	
15	2.25.2025	Scope	Bid Package 1014 Signage: Scope F.3. "Subcontractor to furnish all exterior sign bases." Is the site sign masonry base (A-502) to be included in Bid Page 1014 Signage	Masonry exterior sign base will be excluded from Signage bid package BP1014 scope in forthcoming Addendum	Metcon	2/26/2025	BP1014	AOA Signs	

EB Frink Middle School RFI Log									
ITEM #	REQUEST DATE	REQUEST LOCATION Plans/Spec/Bid Manual	QUESTION	RESPONSE	RESPONDER	ANSWER DATE	TRADE/SCOPE	REQUEST BY	
16	2.25.2025	Scope	In the Bid Manual it has Roof panels as part of the Wall Panel Scope but does not call out any of these products or systems in the additional scope breakdown. Will it be acceptable to bid just the wall panels and soffit panels as our scope of work?	The metal roof system was moved to the BP0750 Turnkey Roofing scope and removed from the BP0740 Wall Panels scope. Wall and soffit panels remain in BP0 This will be updated in the forthcoming addendum.	Metcon	2.26.25	BP0740	Bonitz	
17	2.25.2025	Scope	I noticed there is not a scope work for the wood athletic flooring in the bid documents. I'm assuming it's still being revised?	Yes, this will be included in the forthcoming Addendum	Metcon	2.25.2025	BP0962	Bonitz	
18	2.25.2025	Specifications	The vented cove base is included in two spec sections-wood athletic flooring 096466 and resilient flooring 096500. Can you confirm it needs to be covered by the wood athletic flooring package?	Vented base to be covered by Wood Athletic Flooring package. Spec 096500 Section 2.4 to be removed for clarity in Addendum #1.	SFL+a	3/3/2025	BP0962	Bonitz	
19	2.27.2025	Plans	Please provide EOS dimensions, Center of footing dimensions off column lines, Center of columns in reference to column lines.	This will be addressed in forthcoming addendum.	SFL+a	3/5/2025	BP0330	Metcon	
20	2.27.2025	Plans	Note on elevations on 6/A-411 & 5/A-412 at Science classrooms calls for resinous finish at the eyewash stations on both the walls and the floors.The finish plans, however, show the eyewash stations get LVT flooring. Please confirm which floor finish is correct.	Resinous flooring to be provided at eyewash stations, Finish Plans to be revised in Addendum #1.	SFL+a	3/3/2025	BP0960	Bonitz	
21	2.27.2025	Bid From	Is there any consideration for the bond requirements to be help at the \$300,000 limit for the signage package rather than \$100,000? There is a good chance the \$100,000 limit could prevent us from bring able to pursue this project.	This will be changed in Addendum #1 to be \$300,000 or greater requires a 10% bid bond.	Metcon	3/5/2025	BP1014	AOA Signs	
22	2.27.2025	Bid From	Additionally, can you clarify if the \$160,000 worth of signage allowances have to be in our base bid or if they will be carried by you as the CM?	This allowance has been reduced to \$10,000 to be carried by the CM and will be updated in the specifications in the forthcoming addendum.	Metcon	3/4/2025	BP1014	AOA Signs	
23	3.3.2025	Plans	Finish schedule notes for RF1 and RF2 rubber stair finishes. These finishes are not in spec 096500 that indicates sizes, profiles desired. Please advise.	Spec 09 65 00 to be updated in Addendum #1.	SFL+a	3/3/2025	BP0960	Bonitz	
24	3.3.2025	Plans	Gym Storage #122A is hatched with LVT1 on the finish plan. Finish tag notes for floor finish to be SC1. Please advise on correct floor finish.	Flooring in Gym Storage 122A to be Sealed Concrete, hatch pattern to be updated in Addendum #1.	SFL+a	3/3/2025	BP0960	Bonitz	
25	3.3.2025	Plans	#122A also has a step up to platform 122. Note on A-111 says to reference A-432 for typ. stair details, but doesn't note which detail is used. Please advise if this step will receive a rubber stair tread/riser (16/A-432) or will be just a concrete filled pan (13/A-432).	Refer to detail 13/A-432 detail for concrete filled pan. Detail 16 has been removed.	SFL+a	3/5/2025	BP0960	Bonitz	
26	3.3.2025	Plans	Please confirm stair 216 will need RF1 at the mid-landing and rubber treads/risers as noted in detail 16 on A-432.	Detail 16 has been removed. Refer to detail 13 for typical detial. Sealed concrete.	SFL+a	3/5/2025	BP0960	Bonitz	
27	3.3.2025	Scope	Neither specifications nor scope of work details what type of floor protection is desired at the carpet/resilient/epoxy flooring. Should we price Ramboard throughout?	Yes, this will be included in scope packages BP0960 Resilient Flooring & Carpet and BP0967 Epoxy Flooring in the forthcoming Addendum	Metcon	3/3/2025	BP0960	Bonitz	
				END ADDENDUM 1				Metcon	