

ADDENDUM NO. 1

October 18, 2022

Additions and Renovations Eastridge Elementary School

10930 East 10th Street
Indianapolis, IN 46229

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated July 1, 2022, by CSO Architects. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 1-1, ADD 1-2, and Addendum No. 1 from CSO Architects dated October 14, 2022, consisting of six (6) pages, Specification Section 08 71 00 – Door Hardware, Specification Section 10 22 33 – Accordion Folding Partitions, Specification Section 32 33 00 – Site Furnishings, Specification Section 33 46 00 – Stormwater Detention, Addendum Drawings: L302 – Planting Plan, L304 – Planting Plan, A201a – First Floor Plan – Unit A, A201c – First Floor Plan – Unit C, A201d – First Floor Plan – Unit D, A410 – Vertical Circulation Sections And Details, A602 – Gym Interior Elevations, A603 – Cafeteria And Media Center Interior Elevations And Details, A701 – Enlarged Plans & Toilet Accessory Schedule, A800 – Finish Legend And Information, A801a – First Floor Finish Plan – Unit A, A801b – First Floor Finish Plan – Unit B, A801c – First Floor Finish Plan – Unit C, A801d – First Floor Finish Plan – Unit D, Stair Associates Addendum #1 Including Sheets, Ed201a – First Floor Power And Systems Demolition Plan - Unit A, Ed211a – First Floor Lighting Demolition Plan – Unit A, E201a – First Floor Power And Systems Plan - Unit A, E201b – First Floor Power And Systems Plan - Unit B, E211a – First Floor Lighting Plan – Unit A

A. Pre-Award Conference

1. Successful Bidders shall each attend a Pre-Award Conference by conference call with The Skillman Corporation according to the following schedule:

Bid Category #1 – General Trades: October 31 @ 9:00 am.

Bid Category #2 – Masonry: October 31 @ 9:45 am.

Bid Category #3 – Structural Steel: October 31 @ 10:30 am.

Bid Category #4 – Metal Studs, Drywall: October 31 1:00 pm.

Bid Category #5 – Roofing: November 2 @ 9:00 am.

Bid Category #6 – Al. Windows/Entrances: November 2 @ 9:45 am.
Bid Category #7 – Flooring: November 2 @ 10:30 am.
Bid Category #8 – Painting: November 2 @ 1:00 pm.
Bid Category #9 – Casework: November 3 @ 9:00 am.
Bid Category #10 – Fire Protection: November 3 @ 9:45 am.
Bid Category #11 – Plumbing & HVAC: November 3 @ 10:30 am.
Bid Category #12 – Electrical & Tech: November 3 @ 1:00 pm.

B. SPECIFICATION SECTION 00 31 00 – Contractor’s Bid for Public Works Form #96

1. Replace Specification Section 00 31 00 with revised section attached.

C. SPECIFICATION SECTION 01 12 00 – Multiple Contract Summary

1. 3.03 / A / Clarifications:
 - a. Delete paragraph 8./a.
 - b. Change 8./b. to read: Provide an 150 linear feet of temporary partition in a minimum of (3) sections as directed by the Construction Manager.
 - c. Add: 15. Partitions and walls scheduled for demolition and not called out as Masonry or Gypsum Board shall be assumed to be plaster on metal lath for purposes of the bid.
 - d. Add: 16. Demolition of carpet and resilient flooring described in the contract documents is included in this scope of work.
 - e. Add: 17. Removal (demolition) of FRP wall paneling is included in this scope of work.
 - f. Add: 18. Fences, See Spec. Section 01 32 00 Schedules and Reports, page 7.
 - i. Provide security fence on West, North and East sides of site area indicated in RED from March of 2023 until February of 2024 or minimally until the new bus drop off is turned over to the Owner for use.
 - ii. Provide security fence on West, North and South sides of site area indicated in Orange from June of 2023 until October of 2023 or minimally until asphalt paving is complete.
 - iii. Provide security fence on ALL sides of site area indicated in WHITE from March of 2023 until July of 2023 or minimally until excavation is backfilled to finish grade.
 - iv. Provide an additional 75 linear feet of security fence for (1) year for use at the Owner’s discretion.

D. SPECIFICATION SECTION 01 23 00 – Alternates

1. Replace Specification Section 01 23 00 with revised section attached.

E. SPECIFICATION SECTION 01 32 00 – Schedules and Reports

2. Add Specification Section 01 32 00 attached.

CONTRACTOR'S BID FOR PUBLIC WORKS FORM NO. 96

Format (Revised 2013)
(Amended for MSDWT)

**Additions and Renovations to Eastridge
Elementary School**
Metropolitan School District of Warren Township
Marion County

PART I

(To be completed for all bids. Please type or print)

Date (month, day, year): _____

BIDDER (Firm) _____

Address _____ P.O. Box _____

City/State/Zip ____

Telephone Number: _____ Email Address: _____

Person to contact regarding this Bid _____

Pursuant to notices given, the undersigned offers to furnish labor and/or materials necessary to complete the public works project of:

Insert Category No. (s) and Name(s)

Of public works project, *Additions and Renovations to Eastridge Elementary School*, in accordance with Plans and Specifications prepared by *CSO Architects, 8831 Keystone Crossing, Indianapolis, IN 46240*, as follows:

BASE BID

For the sum of _____
(Sum in words)

_____ DOLLARS (\$_____)
(Sum in figures)

Receipt of Addenda No. (s) _____

Bidder agrees that this Bid shall remain in force for a period of sixty (60) consecutive calendar days from the due date, and Bids may be accepted or rejected during this period. Bids not accepted within said sixty (60) consecutive calendar days shall be deemed rejected.

Has visited the jobsite YES _____ NO _____

Bidder has included their Written Drug Testing Plan that covers all employees of the bidder who will perform work on the public work project and meets or exceeds the requirements set in IC 4-13-18-5 or IC 4-13-18-6. YES _____ NO _____

Bidder has included:

DBE:	YES	_____ %	NO	_____
MBE:	YES	_____ %	NO	_____
WBE:	YES	_____ %	NO	_____
VBE:	YES	_____ %	NO	_____

If additional units of material included in the contract are needed, the cost of units must be the same as that shown in the original contract if accepted by the governmental unit. If the bid is to be awarded on a unit bases, the itemization of the units shall be shown on a separate attachment.

Bid Form Section 00 31 00-2

CERTIFICATION OF USE OF UNITED STATES STEEL PRODUCTS
(if applicable)

I, the undersigned bidder, or agent as a contractor on a public works project, understand my statutory obligation to use steel products made in the United States (I.C. 5-16-8-2). I hereby certify that I and all subcontractors employed by me for this project will use U.S. steel on this project if awarded. I understand that violations hereunder may result in forfeiture of contractual payments.

ALTERNATE BIDS

A blank entry or an entry of "No Bid", "N/A", or similar entry on any Alternate will cause the bid to be rejected as non-responsive only if that Alternate is selected. If no change in the bid amount is required, indicate "No Change".

****ALL ALTERNATES ARE ADD ALTERNATES****

ALTERNATE NO. 1 - New Parking Lot **ADD**

The sum of _____
(Sum in words)

DOLLARS (\$) _____
(Sum in figures)

ALTERNATE NO. 2A – Siemens Controls **ADD**

The sum of _____
(Sum in words)

DOLLARS (\$) _____
(Sum in figures)

ALTERNATE NO. 2B – Open Controls **ADD**

The sum of _____
(Sum in words)

DOLLARS (\$) _____
(Sum in figures)

ALTERNATE NO. 3 – Finishes **ADD**

The sum of _____
(Sum in words)

DOLLARS (\$ _____)
(Sum in figures)

ALTERNATE NO. 4 – Finishes **ADD**

The sum of _____
(Sum in words)

DOLLARS (\$ _____)
(Sum in figures)

ALTERNATE NO. 5 - Finishes **ADD**

The sum of _____
(Sum in words)

DOLLARS (\$ _____)
(Sum in figures)

ALTERNATE NO. 6 – Gas Fired Generator **ADD**

The sum of _____
(Sum in words)

DOLLARS (\$ _____)
(Sum in figures)

PART II

(For projects of \$150,000 or more – IC 36-1-12-4)

These statements to be submitted under oath by each bidder with and as a part of his bid. (Attach additional pages for each section as needed.)

SECTION I EXPERIENCE QUESTIONNAIRE

1. What public works projects has your organization completed for the period of one (1) year prior to the date of the current bid?

{PRIVATE }Contract Amount	Class of Work	Completion Date	Name and Address of Owner

2. What public works projects are now in process of construction by your organization?

{PRIVATE }Contract Amount	Class of Work	Completion Date	Name and Address of Owner

3. Have you ever failed to complete any work awarded to you? _____ If so, where and why?

4. List references from private firms for which you have performed work.

SECTION II PLAN AND EQUIPMENT QUESTIONNAIRE

1. Explain your plan or layout for performing proposed Work. (Examples could include a narrative of when you could begin, complete the project, number of workers, etc. and any other information which you believe would enable the governmental unit to consider your bid.)

2. Please list the names and addresses of all subcontractors (i.e. persons or firms outside your own firm who have performed part of the work) that you have used on public works projects during the past five (5) years along with a brief description of the work done by each subcontractor.

3. If you intend to sublet any portion of the work, state the name and addresses of each subcontractor, equipment to be used by the subcontractor, and whether you will required a bond. However, if you are unable to currently provide a listing, please understand a listing must be provided prior to contract approval. Until the completion of the proposed project, you are under a continuing obligation to immediately notify the governmental unit in the event that you subsequently determine that you will use a subcontractor on the proposed project.

4. What equipment do you have available to use for the proposed Project? Any equipment used by subcontractors may also be required to be listed by the governmental unit.

5. Have you into contracts or received offers for all materials which substantiate the prices used in preparing your proposal? If not, please explain the rationale used which corroborate the process listed.

SECTION III CONTRACTOR'S FINANCIAL STATEMENT

Attachment of Bidder's financial statement is mandatory. Any Bid submitted without said financial statement as required by statute shall thereby be rendered invalid. The financial statement provided hereunder to the governing body awarding the Contract must be specific enough in detail so that said governing body can make a proper determination of the Bidder's capability for completing the Project if awarded.

SECTION IV CONTRACTOR NON-COLLUSION AFFIDAVIT

The undersigned Bidder or agent, being duly sworn on oath, says that he has not, nor has any other member, representative, or agent of the firm, company, corporation or partnership represented by him, entered into any combination, collusion or agreement with any person relative to the price to be bid by anyone at such letting nor to prevent any person from bidding nor to induce anyone to refrain from bidding, and that this Bid is made without reference to any other bid and without any agreement, understanding or combination with any other person in reference to such bidding.

He further says that no person or persons, firms, or corporations has, have, or will receive directly or indirectly, any rebate, fee, gift, commission, or thing of value on account of such contract.

SECTION V OATH AND AFFIRMATION

I HEREBY AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE FACTS AND INFORMATION CONTAINED IN THE FOREGOING BID FOR PUBLIC WORKS ARE TRUE AND CORRECT

Dated at _____ this _____ day of _____, 20

(Name of Organization)

By

(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)
) SS:
COUNTY OF _____)

Before me, a Notary Public, personally appeared the above-named

Swore that the statements contained in the foregoing document are true and correct.

Subscribed and sworn to before me this _____ day of _____,

(Title)

Notary Public

My Commission Expires: _____

County of Residence: _____

END OF SECTION 00 31 00

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including amended General Conditions and other Division 1 Specification Sections, apply to work of this Section.

1.02 PURPOSE

- A. The Bids for the Alternates described herein are required in order for the Owner to obtain information necessary for the proper consideration of the Project in its entirety.

1.03 ALTERNATES

- A. Definitions: Alternates are defined as alternate products, materials, equipment, installations or systems for the Work, which may, at Owner's option and under terms established by Instructions to Bidders, be selected and recorded in the Owner-Contractor Agreement to either supplement or displace corresponding basic requirements of Contract Documents. Alternates may or may not substantially change scope and general character of the Work; and must not be confused with "allowances", "unit prices", "change orders", "substitutions", and other similar provisions.

1.04 SCHEDULE OF ALTERNATES

- A. ALTERNATE NO. 1: State the amount to be added to the Base Bid to provide the new parking lot west of the west curb cut and drive from 10th Street as Specified and as indicated on the Drawings.

Base Bid shall not include any new parking lot work in this area.

- B. ALTERNATE NO. 2A: State the amount to be added to the Bid Category no. 11 – Plumbing and HVAC Base Bid to provide Temperature Controls by Siemens Industries. Alternate Bid cost shall include associated Prime Contractor mark-ups. The cost of installation of dampers, pipe wells, control valves and other specified devices shall remain in the Prime Contractors Base Bid. The owner will select one Temperature Control Alternate following post-bid evaluation, and that amount will be included in that contract.

Base Bid shall not include the value of the Temperature Control subcontract as specified in Division 23 09 00.

- C. ALTERNATE NO. 2B: State the amount to be added to the Bid Category no. 11 – Plumbing and HVAC Base Bid to provide Temperature Controls by Open Controls Systems. Alternate Bid cost shall include associated Prime Contractor mark-ups. The cost of installation of dampers, pipe wells, control valves and other specified devices shall remain in the Prime Contractors Base Bid. The owner will select one Temperature Control Alternate following post-bid evaluation, and that amount will be included in that contract.

Base Bid shall not include the value of the Temperature Control subcontract as specified in Division 23 09 00.

- D. ALTERNATE NO. 3: State the amount to be added to the Base Bid to remove resilient base and carpet from Speech & Hearing B123, Guidance B124, Conference B125, Intervention B126, Counselor B127, Corridor B128, and Special Needs Conference B129 and install new carpet and resilient base as Specified and as indicated on the Drawings.

Base Bid shall not include any carpet removal and replacement in any of these spaces.

- E. ALTERNATE NO. 4: State the amount to be added to the Base Bid to remove existing resilient base and VCT flooring in Corridor C102 and resilient base and carpet flooring in PTA C123 and install new LVT and resilient base as Specified and as indicated on the Drawings.

Base Bid shall not include any VCT, and carpet removal and replacement in these spaces.

- F. ALTERNATE NO. 5: State the amount to be added to the Base Bid to remove vinyl wallcovering, prep, and paint walls in Resource A105, Resource A111, Media Workroom A121A, Podcast Studio A121C, Resource A121D, Level Library A121E, Storage A121G, Resource A126, and PTA C123 as Specified and as indicated on the Drawings.

Base Bid: shall not include any vinyl wallcovering removal, prep, and painting in these spaces.

- G. ALTERNATE NO. 6: State the amount to be added to the Base Bid to provide a new natural gas fired generator set and associated electrical switching and distribution to create a backup emergency power system as specified and indicated on the drawings. Under the Alternate, the Inverter is to be replaced with a new generator fed transfer switch and distribution, incorporating the existing emergency circuits and new emergency circuits to building additions. Under the Alternate, battery backup fixtures will not be necessary.

Provide revised screen wall, gate, fencing and other modifications as indicated on the contract drawings. Shift new screen wall construction including footer 10' - 4" north.

Base Bid: Under base bid, the existing emergency power battery inverter system is to remain in service and emergency lighting fixtures in new additions are to be furnished with battery backup.

PART 2 - PRODUCTS, PART 3 - EXECUTION (Not Used)

END OF SECTION 01 23 00

SECTION 01 32 00 - SCHEDULES AND REPORTS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

- A. The Work of this Section shall be included as a part of the Contract Documents of each Contractor on this Project. Where such Work applies to only one Contractor, it shall be defined as to which Contractor the Work belongs.

1.02 SUMMARY

- A. This Section includes administrative and procedural requirements for schedules and reports required for proper performance of the Work, including:
 - 1. Construction schedule
 - 2. Submittal schedule
 - 3. Use of site plan

1.03 GUIDELINE SCHEDULE

- A. A guideline schedule is included at the conclusion of this section showing milestone activities for the Project, as well as anticipated completion date.
 - 1. Prior to bidding Project, Contractor shall review the guideline schedule to determine if the intent of the schedule can be met.
 - 2. The guideline schedule is to be used for bidding reference only; however, the indicated completion date of all Work of the Project must be accomplished by all Contractors.

1.04 CONSTRUCTION SCHEDULES

- A. Within 15 days of the Pre-construction Meeting, each Contractor is to assemble all necessary information and dates concerning his activities, and those of his Subcontractors and Suppliers and submit such information in the form required by the Construction Manager. Each Contractor shall submit the following schedule information to the Construction Manager as a minimum:
 - 1. A bar chart schedule of all activities contained in the Contractor's Scope of Work. This schedule shall include activity descriptions and durations for all activities in workdays (as opposed to calendar day) for shop drawings, fabrication, delivery and installation of products, materials, and equipment. The activities on the schedule must be at a level of detail approved by the Construction Manager and agree with the terminology and building sequencing established by the Construction Manager.
 - 2. Identification of precedent relationships between the Contractor's activities and those of other Contractors based on a thorough review of the Contract Drawings and details showing interface between Contracts.
 - 3. Graphic diagrams indicating the proposed direction of work whenever applicable or if requested by the Construction Manager.

4. Assumed crew size, equipment, production rates, and similar data used to arrive at adequate durations and sequences.
 5. If a Contractor cannot provide a complete schedule of all of his activities within 15 days after Pre-construction Meeting, the Contractor may, after Construction Manager's written approval, provide a work plan for the first 60 days after award. The Contractor's final schedule shall be complete and submitted to the Construction Manager prior to the 45th day after the Pre-construction Meeting.
- B. In collaboration with the various Contractors associated with the Work, the Construction Manager will compile all Contractor schedules and develop a project master construction schedule, which integrates activities of Architect, Construction Manager, Contractors, Subcontractors, and Suppliers and meets the time requirements. The sequence of all work activities shall be determined by the Construction Manager and reviewed by all Contractors. This schedule will become the project plan for construction.
- C. Contractors' schedule activities may be re-sequenced and the schedule adjusted provided all Work is completed within the stated milestone dates and if the Construction Manager and affected Contractors are notified of the change within 5 calendar days of receipt of the schedule; otherwise, the project master construction schedule shall be deemed accepted by all parties and becomes a contractual requirement for each Contractor.
- D. The project construction schedule will be provided by the Construction Manager, consistent with the guideline schedule and utilizing the Contractors' construction schedules provided by the separate Contractors.
1. Contractor shall provide the Construction Manager with information and data to prepare a working day construction schedule and sequence of events for each work activity included in his bid category within 15 days after the Pre-construction Meeting. The Contractor shall cooperate with the Construction Manager in establishing a final overall project schedule which meets the specified completion date.
 2. After the project schedule has been established, Contractors shall work overtime, nights, and weekends, if necessary, to maintain their portion of the schedule.
 - a. Overtime, night and weekend work will be at no additional cost to the Owner.
 - b. Failure of the Contractor to maintain his portion of the schedule will be grounds for the Owner to withhold all or part of any payments which may become due to the Contractor for work completed.
 3. The Contractor is responsible to expedite all approvals and deliveries of material so as not to delay job progress.
 4. The Contractor shall begin all phases of his work as quickly as physically possible, but not to impede or jeopardize the work of other Contractors.

5. Phases of the work may be started prior to the scheduled start dates if coordinated with other Contractors, and, if approved through the Construction Manager.
 6. The Contractor shall cooperate fully with the Construction Manager in the coordination of the work with all other Contractors and the convenience of the Owner as indicated in the Specifications.
- E. Each Contractor's work shall be executed at such a rate as to ensure meeting the specified milestone dates for Substantial Completion. By execution of the Contract, a Contractor represents he has analyzed the Work, the materials and methods involved, the systems of the building, availability of qualified mechanics and unskilled labor, restrictions of the site, constraints imposed, his own work load and capacity to perform the Work and agrees that the specified dates are reasonable considering the existing conditions prevailing in the locality of the Work, including weather conditions, and other factors, with reasonable allowance for variations from average or ideal conditions.
- F. The Construction Manager will utilize the project master construction schedule to plan, coordinate, and manage all construction activities of Contractors, Subcontractors, and Suppliers. All Contractors are to complete all Work in accordance with this schedule.
- G. The Construction Manager will hold periodic progress meetings at the jobsite. Field supervisors from each Contractor working on the site are to attend all such meetings. Each Contractor is to provide services of responsible personnel to provide necessary scheduling and manpower information. Each Contractor shall be responsible to be familiar with the schedule, how it will affect or modify his operations including his coordination with the activities of other Contractors. Each Contractor shall prepare a short interval schedule generally covering a two-week period to coordinate with the activities of other Contractors. Each Contractor shall prepare a short interval schedule generally covering a two-week period to coordinate the detailed activities of subcontractors and suppliers. The short interval schedules shall be prepared on The Skillman Corporations' Look Ahead form at the end of this Section and be **submitted 24 hours prior to the job progress meetings**, or as required by the Construction Manager. The Construction Manager will update the project master construction schedule monthly and display the current schedule at the jobsite and prepare progress reports accordingly.
- H. Whenever it becomes apparent that any activity completion date may not be met, the responsible Contractor(s) are to take some or all of the following actions at no additional cost to the Owner or Construction Manager.

1. Increase construction manpower to put the project back on schedule.
 2. Increase number of working hours per shift, shifts per working day, working days per week, amount of construction equipment, or any combination, which will place the project back on schedule.
 3. Reschedule activities to achieve maximum practical concurrency and place the project back on schedule.
- I. If the Contractor fails to take any of the above actions, Owner or Construction Manager may take action to attempt to put the project back on schedule and deduct cost of such actions from monies due or to become due the Contractor in accordance with Subparagraph 2.4.1. of the amended General Conditions.
- J. The Construction Manager will manage the project and will make every effort to complete the project within the schedule. Time extensions may be granted to various Contractors when delays that affect final completion date have been caused by inability of another Contractor to meet his time commitments; however, neither Owner nor Construction Manager will assume responsibility to any Contractor for compensation, damages, or other costs due to delays.

1.05 LIST OF SUBCONTRACTORS, SUPPLIERS, AND MANUFACTURERS

- A. Each Contractor shall submit, through the Construction Manager, a list of subcontractors and manufacturer's participating on this Project. List shall be submitted within 48 hours after receipt of bids. The list shall be complete with names, street addresses, city, state, and zip code.

1.06 SUBMITTAL SCHEDULE

- A. Within 15 days of the Pre-Construction Meeting, each Contractor shall submit their schedule of submittals.
1. Coordinate Submittal Schedule with the list of subcontracts, Schedule of Values, and the list of products as well as the Construction Schedule.
 2. The contractor shall provide the following information:
 - a. Scheduled date for the first submittal (due date).
 - b. Name of the Subcontractor (under comments).
 - c. Fabrication time.
- B. Distribution: Following response to the initial submittal, print and distribute copies to the Construction Manager, Architect, Owner, subcontractors, and other parties required to comply with submittal dates indicated.
1. When revisions are made, distribute to the same parties and post in the same locations. Delete parties from distribution when they have completed their assigned portion of the Work and are no longer involved in construction activities.

- C. Schedule Updating: Revise the schedule after each meeting or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.

1.07 PROJECT USE SITE PLAN

- A. The Construction Manager, in cooperation with other Contractors on this Project, shall prepare a proposed project use site plan.
- B. Contractor shall confine operations at the site to areas within the areas indicated and as approved on the use of the site plan, and as permitted by law, ordinances, and permits. Site shall not be unreasonably encumbered with materials, products, or construction equipment.
- C. The Construction Manager in reviewing his use of the site shall include access to proposed building for construction purposes, storage of materials and products, parking, where possible, for employees, temporary facilities including offices, storage, and workshop sheds or portable trailers, and unloading space.
- D. Where a temporary fence is to be provided, the Construction Manager shall show any additional area needed in the Contractor's use of the site beyond that which may be indicated on the Drawings.
- E. The Construction Manager will indicate to the other Contractors after award of Contract which portions of the existing parking lot and nonpaved areas can be used for construction activities. Damage to existing parking lot or unpaved areas shall be paid for by the Contractor responsible for damage.

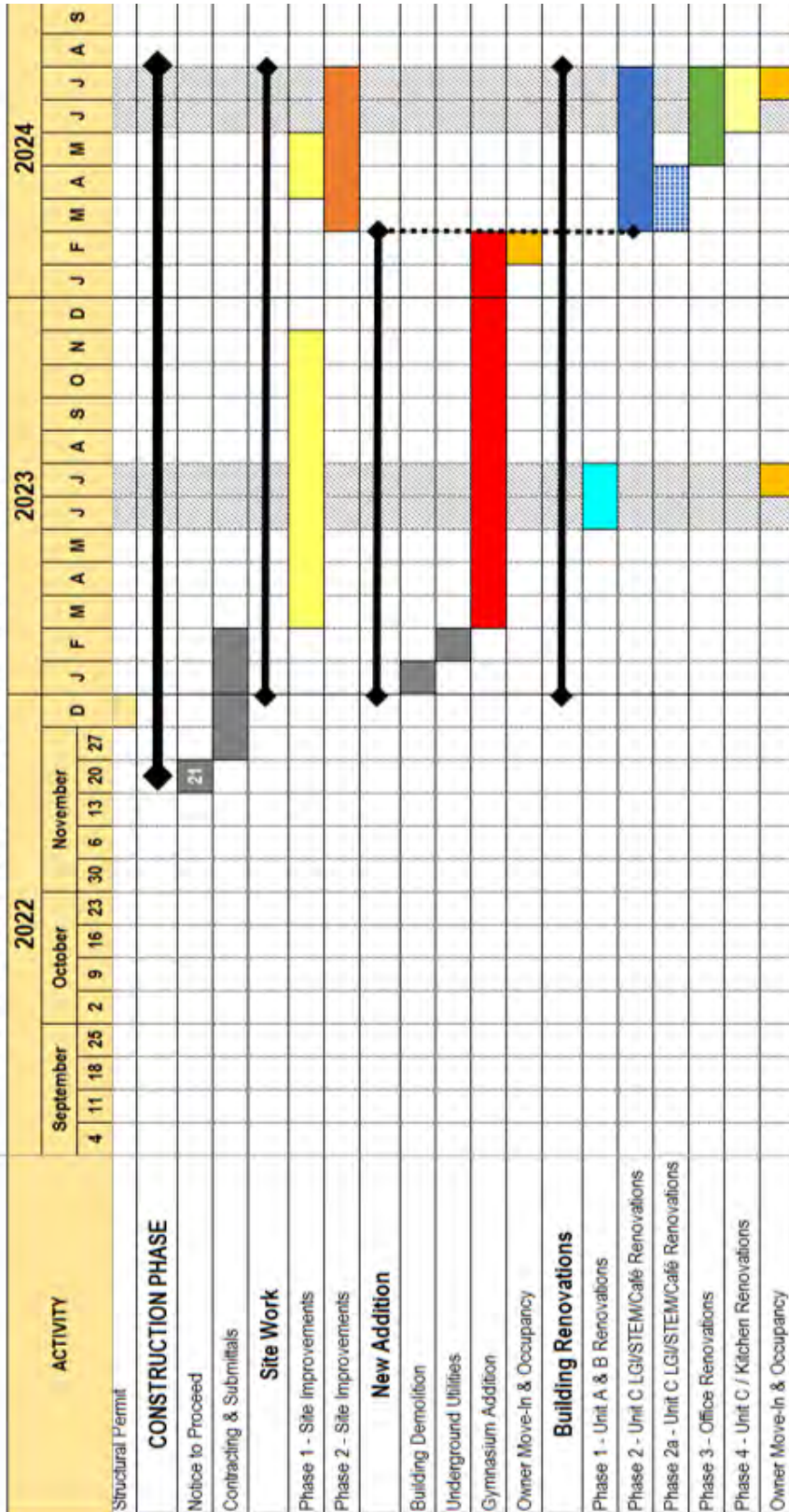
PART 2 – PRODUCTS (Not Used)

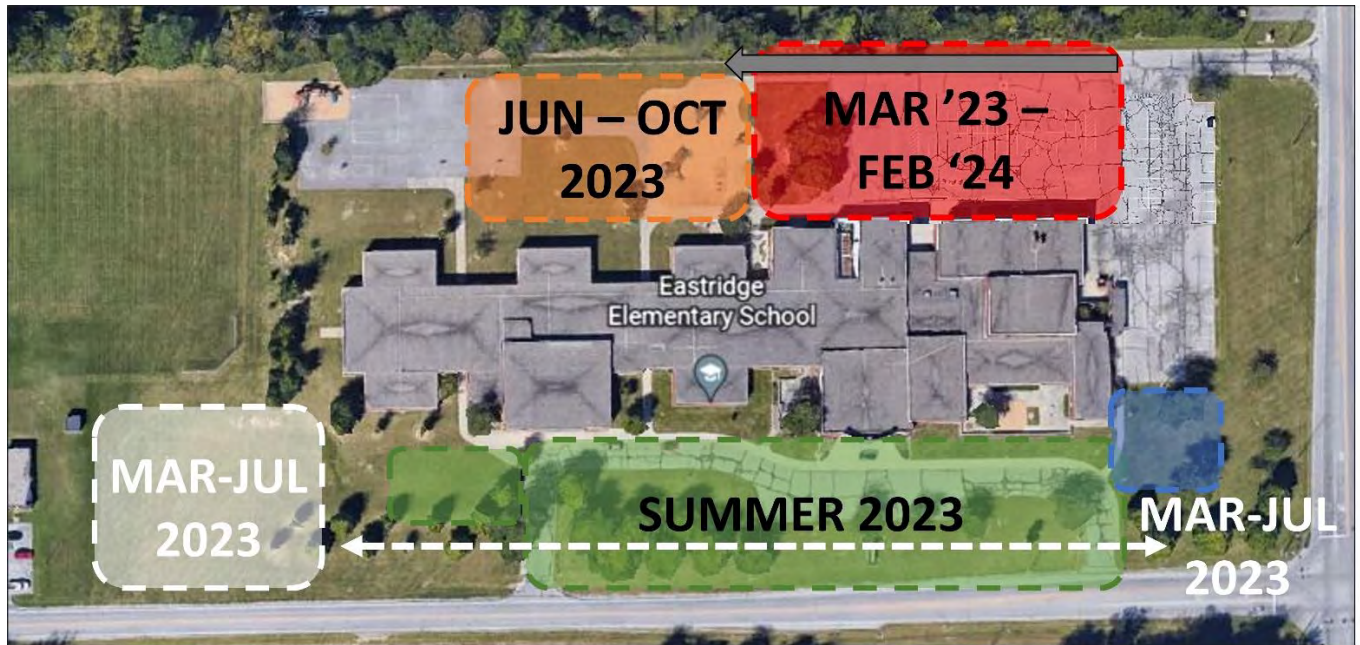
PART 3 - EXECUTION

3.01 PHASING

- A. Projected outline schedule and phasing follows. Note that schedule and phasing are shown for intent. It is anticipated that the actual Work flow may be adjusted throughout the project. Project completion shall remain July 2024:

PROJECT PLANNING SCHEDULE - EASTRIDGE ELEMENTARY





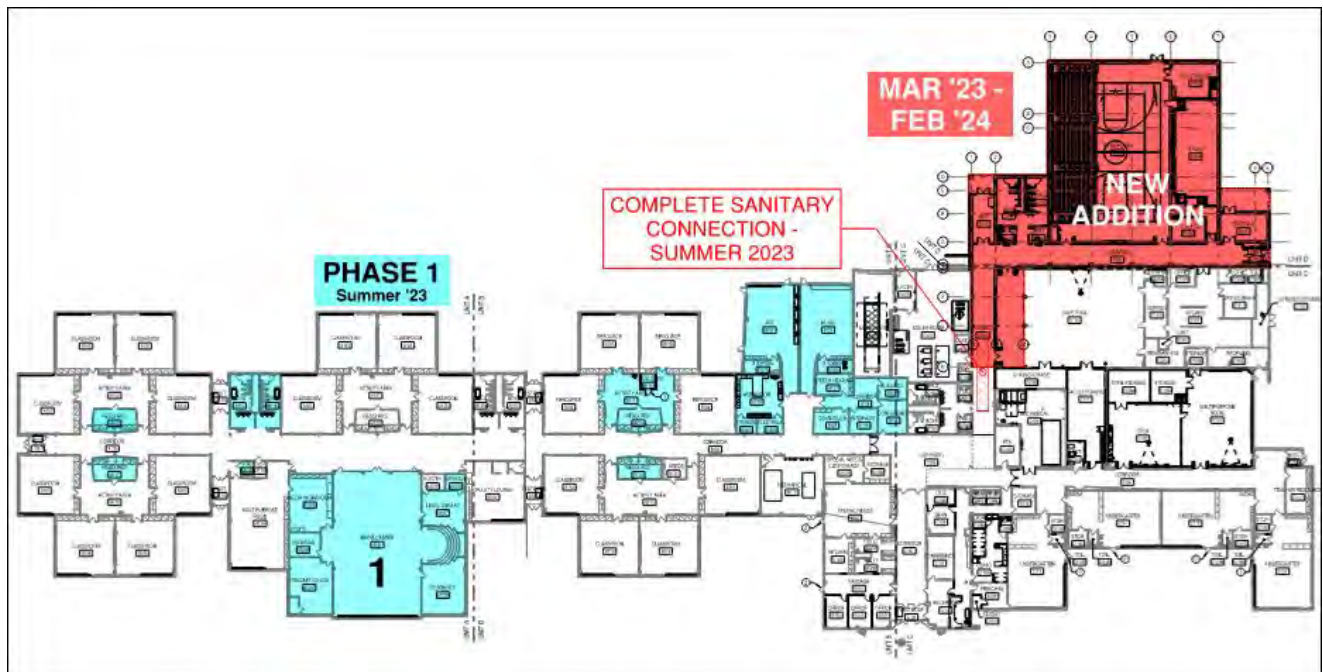
Site from March 2023 through October 2023

NOTES:

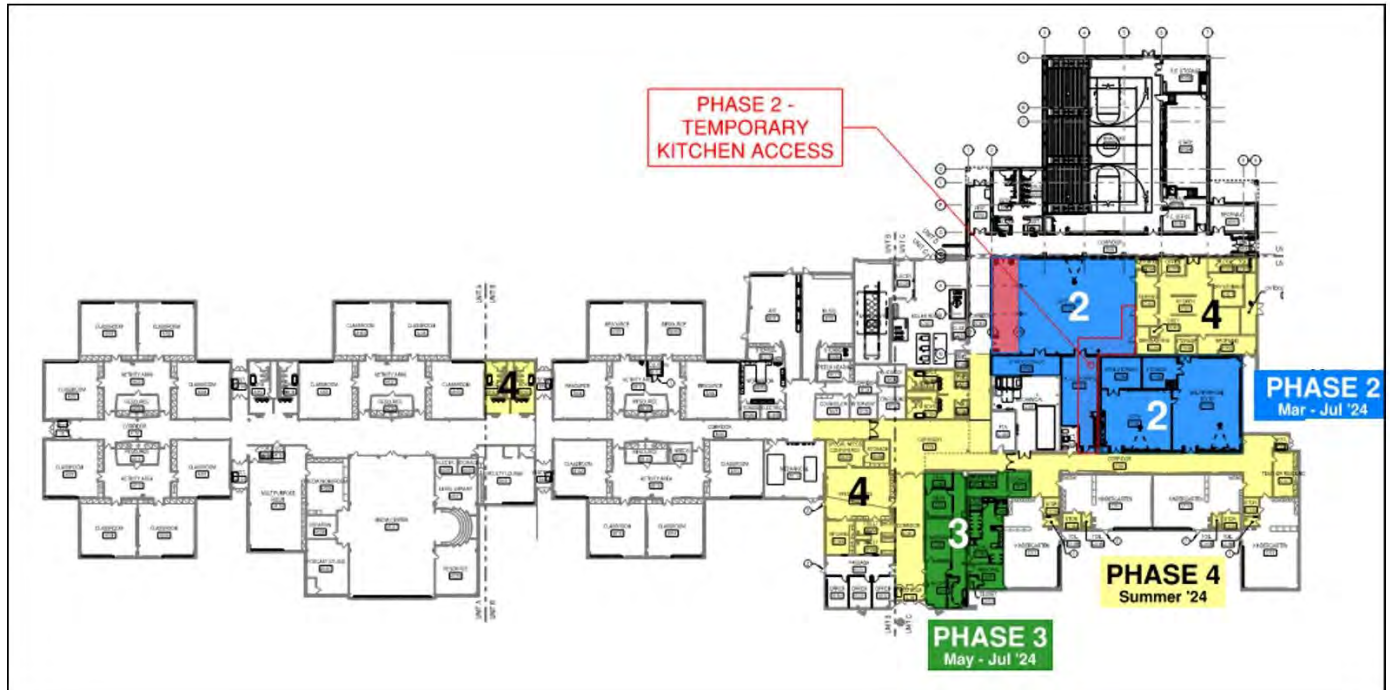
1. Asphalt paving noted in GREEN as Summer 2023 shall be completed between the end of the owner's Spring school term and the beginning of the Owner's Fall term.
2. Turf and grass for and adjacent to areas completed by July 2023 shall be planted during the 2023 Fall planting season. All other Turf and Grass shall be planted in or before the Spring 2024 planting season.
3. Dashed WHITE line represents stormwater drainage.



Site Summer 2024



Building Addition and Phase 1



Building Phases 2 through 4

END OF SECTION 01 32 00

ADDENDUM

ADDENDUM NO: 1

PROJECT: ADDITIONS AND RENOVATIONS TO EASTRIDGE ELEMENTARY SCHOOL

PROJECT NO: 2021055

DATE: October 14, 2022

BY: Amy Rees

This Addendum is issued in accordance with the provisions of "The General Conditions of the Contract for Construction," Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. This Addendum includes:

Addendum Pages: Add1 pages 1 – 6 plus attachments

Attached Documents: Specification Section 08 71 00 – DOOR HARDWARE
Specification Section 10 22 33 – ACCORDION FOLDING PARTITIONS
Specification Section 32 33 00 – SITE FURNISHINGS
Specification Section 33 46 00 – STORMWATER DETENTION
L302 – PLANTING PLAN
L304 – PLANTING PLAN
A201A – FIRST FLOOR PLAN – UNIT A
A201C – FIRST FLOOR PLAN – UNIT C
A201D – FIRST FLOOR PLAN – UNIT D
A410 – VERTICAL CIRCULATION SECTIONS AND DETAILS
A602 – GYM INTERIOR ELEVATIONS
A603 – CAFETERIA AND MEDIA CENTER INTERIOR ELEVATIONS AND DETAILS
A701 – ENLARGED PLANS & TOILET ACCESSORY SCHEDULE
A800 – FINISH LEGEND AND INFORMATION
A801A – FIRST FLOOR FINISH PLAN – UNIT A
A801B – FIRST FLOOR FINISH PLAN – UNIT B
A801C – FIRST FLOOR FINISH PLAN – UNIT C
A801D – FIRST FLOOR FINISH PLAN – UNIT D
Stair Associates Addendum #1 including sheets
ED201A – FIRST FLOOR POWER AND SYSTEMS DEMOLITION PLAN - UNIT A
ED211A – FIRST FLOOR LIGHTING DEMOLITION PLAN – UNIT A
E201A – FIRST FLOOR POWER AND SYSTEMS PLAN - UNIT A
E201B – FIRST FLOOR POWER AND SYSTEMS PLAN - UNIT B
E211A – FIRST FLOOR LIGHTING PLAN – UNIT A

PART 0 - GENERAL INFORMATION

0.1 If you have trouble viewing downloaded PDFs, please contact

Greg.Holman@easternengineering.com

0.2 A list of planholders can be found on the Eastern Engineering website:

https://www.skillmanplanroom.com/View/ViewJob.aspx?job_id=27265&view=ph

- 0.3 Clarification: work shown at Media Center is by Base Bid, and not by Alternate Bid as indicated on sheet A201A and A801A.

PART 1 - BIDDING REQUIREMENTS

- 1.1 NOT USED

PART 2 - SPECIFICATIONS

2.1 SECTION 08 11 13 – HOLLOW METAL DOORS AND FRAMES

- A. 2.01, A., add item 8 as follows:

8. De La Fontaine / Atlas Companies

2.2 SECTION 08 71 00 – DOOR HARDWARE

- A. Replace specification section with the revised specification section, **attached**.

2.3 SECTION 10 14 23 – PANEL SIGNAGE

- A. B., 6., c., 3) Revise as follows:

- 3) Logo Color: approximately 9 colors as indicated by the sample at the end of this specification section and as shown on 4/A702.

- B. B., ADD ITEM 10. AS FOLLOWS:

1. 10. Provide duplicate signage with Spanish language translation as follows:
 - a. At all SEVERE WEATHER REFUGE AREAS ('ÁREA DE REFUGIO DE CLIMA SEVERO' (note accent mark above 'a')
 - b. At all restrooms with text as follows:

RESTROOM	=	BAÑO
FAMILY	=	FAMILIA
BOYS	=	NIÑOS
GIRLS	=	NIÑAS
 - c. At directional signage with arrows with text as follows: (all capital letters)

OFFICE	=	OFICINA
CAFETERIA	=	Cafetería (note accent mark above 'i')
MEDIA CENTER	=	BIBLIOTECA / CENTRO MULTIMEDIA
GYMNASIUM	=	GIMNASIO
MULTIPURPOSE	=	SALA MULTIUSO

2.4 SECTION 10 22 33 – ACCORDION FOLDING PARTITION

- A. Add specification section 10 22 33 – ACCORDION FOLDING PARTITION, **attached**.

2.5 SECTION 32 33 00 – SITE FURNISHINGS

- A. Specification updated to provide basis of design product information for Flagpole.

2.6 SECTION 33 46 00 – STORMWATER DETENTION

- A. Add Specification Section 33 46 00, **attached**.

PART 3 - DRAWINGS

3.1 COVER SHEET

- A. Sheet Index
 - 1. Architectural sheet A603 change title to read “CAFETERIA AND MEDIA CENTER INTERIOR ELEVATIONS AND DETAILS”

LANDSCAPE

3.2 L302 PLANTING PLAN

- A. Planting Plan updated in response to comments from City Planning, **attached**.

3.3 L304 PLANTING PLAN

- A. Planting Plan updated in response to comments from City Planning **attached**.

ARCHITECTURAL

3.4 SHEET A201A – FIRST FLOOR PLAN – UNIT A

- A. Delete and replace entire sheet, **attached**.
- B. Delete reference to Alternate at Media Center A121.
- C. Add plan note 36 – “Patch and repair wall construction to return to like-new condition” in Resource room A121D.

3.5 SHEET A201C – FIRST FLOOR PLAN – UNIT C

- A. Delete and replace entire sheet, **attached**.
- B. Added 2/A201C COLUMN ENCLOSURE DETAIL.

3.6 SHEET A201D – FIRST FLOOR PLAN – UNIT D

- A. Delete and replace entire sheet, **attached**.
- B. Added dimensions to basketball goals and game line location.
- C. Delete door D103 and add urinal in its location.

3.7 SHEET A410 – VERTICAL CIRCULATION SECTIONS AND DETAILS

- A. Delete and replace entire sheet, **attached**.
- B. Add CMU wall construction at detail 2/A410

3.8 SHEET A501 – DOOR SCHEDULE & FRAME ELEVATIONS

- A. Door and Frame Schedule
 - 1. Delete Door D103.

3.9 SHEET A600 – CASEWORK AND SPECIALTY EQUIPMENT NOTES

- A. Casework Schedule
 - 1. Add Type "B10", Description "BASE CABINET W/ 1 DOOR & 1 SHELF", Spec Section "12 32 16", Manufacturer "STEVENS INDUSTRIES", Model "10121", Size "15"W x 29"H x 24"D"
 - 2. Add Type "B11", Description "BASE CABINET W/ 2 DOORS & 1 SHELF", Spec Section "12 32 16", Manufacturer "STEVENS INDUSTRIES", Model "10129", Size "30"W x 29"H x 24"D"
 - 3. Add Type "B12", Description "BASE CABINET W/ 2 SMALL DRAWERS & FILE DRAWER", Spec Section "12 32 16", Manufacturer "STEVENS INDUSTRIES", Model "10329", Size "15"W x 29"H x 24"D"
 - 4. Add Type "CT3", Description "COUNTERTOP SUPPORT BRACKET", Spec Section "12 32 16", Manufacturer "RANGINE CORP. - RAKKS", Model "EH-1818"

3.10 SHEET A602 – GYM INTERIOR ELEVATIONS

- A. Delete and replace entire sheet, **attached**.
- B. Added dimensions to acoustical panels and score boards.

3.11 SHEET A603 – CAFETERIA AND MEDIA CENTER INTERIOR ELEVATIONS AND DETAILS

- A. Delete and replace entire sheet, **attached**.
- B. Added details and elevations for new reception desk in MEDIA CENTER A121.
- C. Revise wall finish tag in elevation 4/A604 CAFETERIA NORTH ELEVATION from ~~EP4~~ to **WC1**.

3.12 SHEET A701 – ENLARGED PLANS & TOILET ACCESSORY SCHEDULE

- A. Delete and replace entire sheet.
- B. Delete door D103 and add urinal in its location.

3.13 SHEET A800 – FINISH LEGEND AND INFORMATION

- A. Delete and replace entire sheet.
- B. Revised GENERAL FINISH NOTES, KEYED FINISH NOTES, FINISH LEGEND.
- C. Revised dimensions to elevations 1/A800 – 4/A800.

3.14 SHEET A801A – FIRST FLOOR FINISH PLAN – UNIT A

- A. Delete and replace entire sheet.
- B. Added finish tags EB1 outside of BOYS A115 and GIRLS A116.
- C. Added casework finish tags to MEDIA CENTER A121 reception desk.
- D. Added wall paint tag P1 to LIBRARIAN A121B

3.15 SHEET A801B – FIRST FLOOR FINISH PLAN – UNIT B

- A. Delete and replace entire sheet.
- B. Added finish tags EB1 outside of GIRLS B102 and BOYS B103.
- C. Revised casework finish tags in WORKROOM B120.
- D. Delete floor and base finish tags from ART B121 and MUSIC B122.

- E. Added wall paint tags P1 to ART B121.
- F. Added keyed finish note F1 to GUIDANCE B124.
- G. Added keyed finish note F6 to new cross-corridor door/wall in CORRIDOR B100.
- H. Seclusion Room B111A: provide manufacturers' standard floor padding system integral with wall padding system.

3.16 SHEET A801C – FIRST FLOOR FINISH PLAN – UNIT C

- A. Delete and replace entire sheet.
- B. Added finish tags and keyed finish notes to CORRIDOR C102 and CORRIDOR C104.
- C. Revised directional arrow in STEM C120 and MULTIPURPOSE ROOM C119.
- D. Revised floor finish in FACULTY DINING C121.
- E. Revised wall finish tag WC1 in CAFETERIA C129 from South Wall to North Wall.
- F. Added keyed finish note tag F6 to Office C131B.

3.17 SHEET A801D – FIRST FLOOR FINISH PLAN – UNIT D

- A. Delete and replace entire sheet.
- B. Added keyed finish note tag F24 to GYMNASIUM D105.
- C. Added directional arrow to OFFICE D105A and STAGE D106A.
- D. Revise floor tag TR1 location in STAGE D106A.

PLUMBING, ELECTRICAL AND MECHANICAL

- 3.18 See Stair Associates Addendum #1, with attachments, **attached**

END ADDENDUM

SECTION 08 71 00 - DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes:

1. Mechanical and electrified door hardware
2. Electronic access control system components

B. Section excludes:

1. Windows
2. Cabinets (casework), including locks in cabinets
3. Signage
4. Toilet accessories
5. Overhead doors

C. Related Sections:

1. Division 01 Section "Alternates" for alternates affecting this section.
2. Division 06 Section "Rough Carpentry"
3. Division 06 Section "Finish Carpentry"
4. Division 07 Section "Joint Sealants" for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:
 - a. "Metal Doors and Frames"
 - b. "Flush Wood Doors"
 - c. "Aluminum-Framed Entrances and Storefronts"
6. Division 26 "Electrical" sections for connections to electrical power system and for low-voltage wiring.
7. Division 28 "Electronic Safety and Security" sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. UL LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule

2. Recommended Locations for Builders Hardware
 3. Keying Systems and Nomenclature
 4. Installation Guide for Doors and Hardware
- C. NFPA – National Fire Protection Association
1. NFPA 70 – National Electric Code
 2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
 3. NFPA 101 – Life Safety Code
 4. NFPA 105 – Smoke and Draft Control Door Assemblies
 5. NFPA 252 – Fire Tests of Door Assemblies
- D. ANSI - American National Standards Institute
1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
 2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
 3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
 4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
 5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.03 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
 - a. Review drawings and Sections from related trades to verify compatibility with specified hardware.
 - b. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
 - a. Wiring Diagrams: For power, signal, and control wiring and including:
 - 1) Details of interface of electrified door hardware and building safety and security systems.
 - 2) Schematic diagram of systems that interface with electrified door hardware.
 - 3) Point-to-point wiring.
 - 4) Risers.

3. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.
 - a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.
4. Door Hardware Schedule:
 - a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.
 - b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
 - c. Indicate complete designations of each item required for each opening, include:
 - 1) Door Index: door number, heading number, and Architect's hardware set number.
 - 2) Quantity, type, style, function, size, and finish of each hardware item.
 - 3) Name and manufacturer of each item.
 - 4) Fastenings and other pertinent information.
 - 5) Location of each hardware set cross-referenced to indications on Drawings.
 - 6) Explanation of all abbreviations, symbols, and codes contained in schedule.
 - 7) Mounting locations for hardware.
 - 8) Door and frame sizes and materials.
 - 9) Degree of door swing and handing.
 - 10) Operational Description of openings with electrified hardware covering egress, ingress (access), and fire/smoke alarm connections.
5. Key Schedule:
 - a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
 - b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
 - c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
 - d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
 - e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
 - f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

C. Informational Submittals:

1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.

2. Provide Product Data:
 - a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
 - b. Include warranties for specified door hardware.
- D. Closeout Submittals:
 1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
 - a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
 - b. Catalog pages for each product.
 - c. Final approved hardware schedule edited to reflect conditions as installed.
 - d. Final keying schedule
 - e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.
 - f. As-installed wiring diagrams for each opening connected to power, both low voltage and 110 volts.
- E. Inspection and Testing:
 1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
 - a. Fire door assemblies, in compliance with NFPA 80.
 - b. Required egress door assemblies, in compliance with NFPA 101.

1.04 QUALITY ASSURANCE

- A. Qualifications and Responsibilities:
 1. Supplier: Recognized architectural hardware supplier with a minimum of 5 years documented experience supplying both mechanical and electromechanical door hardware similar in quantity, type, and quality to that indicated for this Project. Supplier to be recognized as a factory direct distributor by the manufacturer of the primary materials with a warehousing facility in the Project's vicinity. Supplier to have on staff, a certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) available to Owner, Architect, and Contractor, at reasonable times during the Work for consultation.
 2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.
 3. Architectural Hardware Consultant: Person who is experienced in providing consulting services for door hardware installations that are comparable in material, design, and extent to that indicated for this Project and meets these requirements:
 - a. For door hardware: DHI certified AHC or DHC.
 - b. Can provide installation and technical data to Architect and other related subcontractors.
 - c. Can inspect and verify components are in working order upon completion of installation.

- d. Capable of producing wiring diagram and coordinating installation of electrified hardware with Architect and electrical engineers.
 - 4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.
- B. Certifications:
- 1. Fire-Rated Door Openings:
 - a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.
 - b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.
 - 2. Smoke and Draft Control Door Assemblies:
 - a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
 - b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.
 - 3. Electrified Door Hardware
 - a. Listed and labeled as defined in NFPA 70, Article 100, by testing agency acceptable to authorities having jurisdiction.
 - 4. Accessibility Requirements:
 - a. Comply with governing accessibility regulations cited in "REFERENCES" article 087100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.
- C. Pre-Installation Meetings
- 1. Keying Conference
 - a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
 - 1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
 - 2) Preliminary key system schematic diagram.
 - 3) Requirements for key control system.
 - 4) Requirements for access control.
 - 5) Address for delivery of keys.
 - 2. Pre-installation Conference

- a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
- b. Inspect and discuss preparatory work performed by other trades.
- c. Inspect and discuss electrical roughing-in for electrified door hardware.
- d. Review sequence of operation for each type of electrified door hardware.
- e. Review required testing, inspecting, and certifying procedures.
- f. Review questions or concerns related to proper installation and adjustment of door hardware.

3. Electrified Hardware Coordination Conference:

- a. Prior to ordering electrified hardware, schedule and hold meeting to coordinate door hardware with security, electrical, doors and frames, and other related suppliers.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.
- B. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer's original packaging.
- C. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.
- D. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.
- E. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.
- F. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.06 COORDINATION

- A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.
- B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.
- C. Security: Coordinate installation of door hardware, keying, and access control with Owner's security consultant.
- D. Electrical System Roughing-In: Coordinate layout and installation of electrified door hardware with connections to power supplies and building safety and security systems.

1.07 WARRANTY

- A. Manufacturer's standard form in which manufacturer agrees to repair or replace components of door hardware that fail in materials or workmanship within published warranty period.

1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.
 - a. Mechanical Warranty
 - 1) Locks: 3 Years
 - 2) Exit Devices: 3 Year
 - 3) Closers: 30 Years
 - b. Electrical Warranty
 - 1) Locks: 1 Year
 - 2) Exit Devices: 1 Year

1.08 MAINTENANCE

- A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.
- B. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

- A. The Owner requires use of certain products for their unique characteristics and project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."
1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.
- B. Approval of manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category shall be in accordance with QUALITY ASSURANCE article, herein.
- C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.
- D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.02 MATERIALS

- A. Fabrication

1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer's recognized installation standards for application intended.
 2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
 3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with "Metal Doors and Frames", "Flush Wood Doors", "Stile and Rail Wood Doors" to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.
- B. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.
1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.
 2. For closers and panic devices: Verify with Architect and/or Owner if thru-bolts are required at specific door materials.

2.03 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Ives 5BB series
2. Acceptable Manufacturers and Products:
 - a. Hager BB series
 - b. McKinney TB series

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Provide five knuckle, ball bearing hinges.
3. Hinge Height:
 - a. 1-3/4 inch (44 mm) thick doors, up to and including 36 inches (914 mm) wide: 4-1/2 inches (114 mm) high
 - b. 1-3/4 inch (44 mm) thick doors over 36 inches (914 mm) wide: 5 inches (127 mm) high
 - c. 2 inches or thicker doors: 5 inches (127 mm) high, regardless of door width
4. Hinge Width: 4-1/2 inches (114 mm) wide typical. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
5. Hinge quantity: Provide three hinges per door leaf for doors 90 inches (2286 mm) or less in height, and one additional hinge for each 30 inches (762 mm) of additional door height.
6. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
 - a. Steel Hinges: Steel pins
 - b. Non-Ferrous Hinges: Stainless steel pins
 - c. Out-Swinging Exterior Doors: Non-removable pins

- d. Out-Swinging Interior Lockable Doors: Non-removable pins
 - e. Interior Non-lockable Doors: Non-rising pins
7. Provide hinges with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate electric hinge at second hinge from bottom or nearest to electrified locking component. Provide mortar guard for each electrified hinge specified.

2.04 CONTINUOUS HINGES

A. Manufacturers:

- 1. Scheduled Manufacturer:
 - a. Ives
- 2. Acceptable Manufacturers:
 - a. Select
 - b. Pemko

B. Requirements:

- 1. Provide aluminum geared continuous hinges conforming to ANSI/BHMA A156.26, Grade 1.
- 2. Provide aluminum geared continuous hinges, where specified in the hardware sets, fabricated from 6063-T6 aluminum.
- 3. Provide split nylon bearings at each hinge knuckle for quiet, smooth, self-lubricating operation.
- 4. Provide hinges capable of supporting door weights up to 450 pounds, and successfully tested for 1,500,000 cycles.
- 5. On fire-rated doors, provide aluminum geared continuous hinges classified for use on rated doors by testing agency acceptable to authority having jurisdiction.
- 6. Provide aluminum geared continuous hinges with electrified option scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
- 7. Provide hinges 1 inch (25 mm) shorter in length than nominal height of door, unless otherwise noted or door details require shorter length and with symmetrical hole pattern.
- 8. Adjust hinge model/width as required for door thickness or construction.

2.05 ELECTRIC POWER TRANSFER / DOOR CORD

A. Manufacturers:

- 1. Scheduled Manufacturer and Product:
 - a. Von Duprin / Schlage
- 2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide power transfer with electrified options as scheduled in the hardware sets. Provide with number and gage of wires enough to accommodate electric function of specified hardware.
2. Locate electric power transfer per manufacturer's template and UL requirements, unless interference with operation of door or other hardware items.

2.06 FLUSH BOLTS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco

B. Requirements:

1. Provide automatic, constant latching, and manual flush bolts with forged bronze or stainless-steel face plates, extruded brass levers, and with wrought brass guides and strikes. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

2.07 COORDINATORS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco

B. Requirements:

1. Where pairs of doors are equipped with automatic flush bolts, an astragal, or other hardware that requires synchronized closing of the doors, provide bar-type coordinating device, surface applied to underside of stop at frame head.

2. Provide filler bar of correct length for unit to span entire width of opening, and appropriate brackets for parallel arm door closers, surface vertical rod exit device strikes, or other stop mounted hardware. Factory-prepared coordinators for vertical rod devices as specified.

2.08 MORTISE LOCKS AND DEADBOLTS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Schlage L9000 series
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide mortise locks conforming to ANSI/BHMA A156.13 Series 1000, Grade 1, and UL Listed for 3-hour fire doors.
2. Indicators: Where specified, provide indicator window measuring a minimum 2-inch x 1/2 inch with 180-degree visibility. Provide messages color-coded with full text and/or symbols, as scheduled, for easy visibility.
3. Provide locks manufactured from heavy gauge steel, containing components of steel with a zinc dichromate plating for corrosion resistance.
4. Provide lock case that is multi-function and field reversible for handing without opening case. Cylinders: Refer to "KEYING" article, herein.
5. Provide locks with standard 2-3/4 inches (70 mm) backset with full 3/4 inch (19 mm) throw stainless steel mechanical anti-friction latchbolt. Provide deadbolt with full 1-inch (25 mm) throw, constructed of stainless steel.
6. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim. Provide electrified options as scheduled in the hardware sets. Where scheduled, provide switches and sensors integrated into the locks and latches.
7. Provide motor based electrified locksets that comply with the following requirements:
 - a. Universal input voltage – single chassis accepts 12 or 24VDC to allow for changes in the field without changing lock chassis.
 - b. Fail Safe/Fail Secure – changing mode between electrically locked (fail safe) and electrically unlocked (fail secure) is field selectable without opening the lock case.
 - c. Low maximum current draw – maximum 0.4 amps to allow for multiple locks on a single power supply.
 - d. Low holding current – maximum 0.01 amps to produce minimal heat, eliminate "hot levers" in electrically locked applications, and to provide reliable operation in wood doors that provide minimal ventilation and air flow.
 - e. Connections – provide quick-connect Molex system standard.
8. Lever Trim: Solid brass, bronze, or stainless steel, cast or forged in design specified, with wrought roses and external lever spring cages. Provide thru-bolted levers with 2-piece spindles.
 - a. Lever Design: Schlage 03A - Verify/Match Existing.

2.09 DEADBOLTS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Schlage B600 Series
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide grade 1 deadbolt series conforming to ANSI/BHMA A156.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide deadbolts with standard 2-3/4 inches (70 mm) backset. Provide 2-3/8 inches (60 mm) where noted or if door or frame detail requires. Provide deadbolt with full 1-inch (25 mm) throw, constructed of steel alloy.
4. Provide manufacturer's standard strike.

2.10 TIME OUT PADDLE LOCKS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. ABH
2. Acceptable Manufacturers:
 - a. No Substitute

B. Requirements:

1. Provide standard ASA strikes unless extended lip strikes are necessary to protect trim.
2. Provide standard dampened paddle action – depression and snap back – reducing noise associated with lock operation

2.11 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Von Duprin 99 series
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to "KEYING" article, herein.
3. Provide grooved touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
7. Provide flush end caps for exit devices.
8. Provide exit devices with manufacturer's approved strikes.
9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.
10. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
12. Removable Mullions: 2 inches (51 mm) x 3 inches (76 mm) steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
14. Provide electrified options as scheduled.
15. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
16. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

2.12 POWER SUPPLIES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
 - a. Schlage/Von Duprin PS900 Series
2. Acceptable Manufacturers and Products:
 - a. No Substitute

B. Requirements:

1. Provide power supplies approved by manufacturer of supplied electrified hardware.
2. Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.

3. Provide regulated and filtered 24 VDC power supply, and UL class 2 listed.
4. Provide power supplies with the following features:
 - a. 12/24 VDC Output, field selectable.
 - b. Class 2 Rated power limited output.
 - c. Universal 120-240 VAC input.
 - d. Low voltage DC, regulated and filtered.
 - e. Polarized connector for distribution boards.
 - f. Fused primary input.
 - g. AC input and DC output monitoring circuit w/LED indicators.
 - h. Cover mounted AC Input indication.
 - i. Tested and certified to meet UL294.
 - j. NEMA 1 enclosure.
 - k. Hinged cover w/lock down screws.
 - l. High voltage protective cover.

2.13 CYLINDER HOUSINGS

A. Manufacturers:

1. Scheduled Manufacturer: Schlage
2. Acceptable Manufacturers: No Substitute

B. Requirements:

1. Provide cylinders/cores, from the same manufacturer of locksets, compliant with ANSI/BHMA A156.5; latest revision, Section 12, Grade 1; permanent cylinders; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
 - a. Cylinder/Core Type: Small Format Interchangeable Core (SFIC)
3. Replaceable Construction Cores.
 - a. Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
 - 1) 2 construction control keys.
 - 2) 12 construction change (day) keys.

2.14 PERMANENT CORES, KEYING, AND KEYS

A. Manufacturers:

1. Scheduled Manufacturer: Best
2. Acceptable Manufacturers: No Substitute

B. Core Requirements:

1. Provide cylinders/cores compliant with ANSI/BHMA A156.5; latest revision, Section 12, Grade 1; permanent cylinders; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.
 2. Provide cylinders in the below-listed configuration(s), distributed throughout the Project as indicated.
 - a. Match owner's existing system.
 - b. Cylinder/Core Type: Small Format Interchangeable Core (SFIC)
 - c. Keyway/Security Type:
 - 1) Exterior: Best Kaba Peaks
 - 2) Interior: Best F Series
 3. Nickel silver bottom pins.
- C. Keying Requirements:
1. Provide a factory registered keying system, complying with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.
 2. Provide keying system capable of multiplex masterkeying.
 3. Permanent keyed by the manufacturer according to the following key system.
 - a. Keying system as directed by the Owner.
 - b. Match Owner's existing system.
 - c. Keyway/Security Type:
 - 1) Exterior: Best Kaba Peaks
 - 2) Interior: Best F Series
 - d. (Great)Grand Master Key System: Cylinders/cores operated by change (day) keys and subsequent masters (including grand/great grand) keys.
 4. Forward biting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements shall be cause for replacement of cylinders/cores involved at no additional cost to Owner.
 5. Provide keys with the following features:
 - a. Material: Nickel silver; minimum thickness of .107-inch (2.3mm).
 - b. Keyway/Security Type:
 - 1) Exterior: Best Kaba Peaks
 - 2) Interior: Best F Series
 6. Identification:
 - a. Mark permanent cylinders/cores and keys with applicable blind code per DHI publication "Keying Systems and Nomenclature" for identification. Blind code marks shall not include actual key cuts.
 - b. Identification stamping provisions must be approved by the Architect and Owner.
 - c. Stamp keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE".
 - d. Failure to comply with stamping requirements shall be cause for replacement of keys involved at no additional cost to Owner.
 7. Quantity: Furnish in the following quantities.

- a. Change (Day) Keys: 3 per cylinder/core.
- b. Permanent Control Keys: 3 (if required).
- c. Master Keys: 6 per master.
- d. Unused balance of key blanks shall be furnished to Owner with the cut keys.

D. Verify with owner where permanent cores and keys are to be shipped to.

2.15 KEY CONTROL SYSTEM

A. Manufacturers:

1. Scheduled Manufacturer:

- a. Telkee

2. Acceptable Manufacturers:

- a. HPC
- b. Lund

B. Requirements:

1. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project.
 - a. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.
 - b. Provide hinged-panel type cabinet for wall mounting.

2.16 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

- a. LCN 4040XP series

2. Acceptable Manufacturers and Products:

- a. No Substitute

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.

3. Cylinder Body: 1-1/2-inch (38 mm) diameter piston with 5/8-inch (16 mm) diameter double heat-treated pinion journal. QR code with a direct link to maintenance instructions.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards. Provide snap-on cover clip, with plastic covers, that secures cover to spring tube.
6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck. Provide graphically labelled instructions on the closer body adjacent to each adjustment valve. Provide positive stop on reg valve that prevents reg screw from being backed out.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.

2.17 DOOR TRIM

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Trimco
 - b. Rockwood

B. Requirements:

1. Provide push plates, push bars, pull plates, pulls, and hands-free reversible door pulls with diameter and length as scheduled.

2.18 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Trimco
 - b. Rockwood

B. Requirements:

1. Provide protection plates with a minimum of 0.050 inch (1 mm) thick, beveled four edges as scheduled. Furnish with sheet metal or wood screws, finished to match plates.
2. Sizes plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards.
3. At fire rated doors, provide protection plates over 16 inches high with UL label.

2.19 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS

A. Manufacturers:

1. Scheduled Manufacturers:
 - a. Glynn-Johnson
2. Acceptable Manufacturers:
 - a. No Substitute

B. Requirements:

1. Provide overhead stop at any door where conditions do not allow for a wall stop or floor stop presents tripping hazard.
2. Provide friction type at doors without closer and positive type at doors with closer.

2.20 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
2. Acceptable Manufacturers:
 - a. Trimco
 - b. Rockwood

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button or thumbturn.
2. Where a wall stop cannot be used, provide universal floor stops.
3. Where wall or floor stop cannot be used, provide overhead stop.
4. Provide roller bumper where doors open into each other and overhead stop cannot be used.

2.21 THRESHOLDS, SEALS, DOOR SWEEPS, AUTOMATIC DOOR BOTTOMS, AND GASKETING

A. Manufacturers:

1. Scheduled Manufacturer:

- a. Zero International

2. Acceptable Manufacturers:

- a. National Guard
- b. Reese
- c. Pemko

B. Requirements:

- 1. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items.
- 2. Smoke- and Draft-Control Door Assemblies: Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.
- 3. Provide door sweeps, seals, astragals, and auto door bottoms only of type where resilient or flexible seal strip is easily replaceable and readily available.
- 4. Size thresholds 1/2 inch (13 mm) high by 5 inches (127 mm) wide by door width unless otherwise specified in the hardware sets or detailed in the drawings.

2.22 SILENCERS

A. Manufacturers:

1. Scheduled Manufacturer:

- a. Ives

2. Acceptable Manufacturers:

- a. Rockwood
- b. Trimco

B. Requirements:

- 1. Provide "push-in" type silencers for hollow metal or wood frames.
- 2. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame.
- 3. Omit where gasketing is specified.

2.23 ROLLER LATCHES

A. Manufacturers:

1. Scheduled Manufacturer:
 - a. Ives
 2. Acceptable Manufacturers:
 - a. Rockwood
 - b. Trimco
- B. Requirements:
1. Provide roller latches with 4-7/8 inches (124 mm) strike at single doors to fit ANSI frame prep. If dummy levers are used in conjunction with roller latch mount roller latch at a height as to not interfere with proper mounting and height of dummy lever.
 2. Provide roller latches with 2-1/4 inches (57 mm) full lip strike at pair doors. Mount roller in top rail of each leaf per manufacturer's template.

2.24 MAGNETIC HOLDERS

- A. Manufacturers:
1. Scheduled Manufacturer:
 - a. LCN
 2. Acceptable Manufacturers:
 - a. No Substitute
- B. Requirements:
1. Provide wall or floor mounted electromagnetic door release as specified with minimum of 25 pounds of holding force. Coordinate projection of holder and armature with other hardware and wall conditions to ensure that door sits parallel to wall when fully open. Connect magnetic holders on fire-rated doors into the fire control panel for fail-safe operation.

2.25 DOOR POSITION SWITCHES

- A. Manufacturers:
1. Scheduled Manufacturer:
 - a. Schlage
 2. Acceptable Manufacturers:
 - a. George Risk Industries, Inc.
- B. Requirements:

1. Provide recessed or surface mounted type door position switches as specified.
2. Coordinate door and frame preparations with door and frame suppliers. If switches are being used with magnetic locking device, provide minimum of 4 inches (102 mm) between switch and magnetic locking device.

2.26 FINISHES

- A. Provide finish for each item as indicated in the sets.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.
- B. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.
- C. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.
 1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
 2. Custom Steel Doors and Frames: HMMA 831.
 3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
 4. Installation Guide for Doors and Hardware: DHI TDH-007-20
- B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.
- C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.
- D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.
- E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.
- F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.
- G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.
- H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.
- I. Lock Cylinders:

1. Install construction cores to secure building and areas during construction period.
 2. Replace construction cores with permanent cores as indicated in keying section.
- J. Wiring: Coordinate with Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for:
1. Conduit, junction boxes and wire pulls.
 2. Connections to and from power supplies to electrified hardware.
 3. Connections to fire/smoke alarm system and smoke evacuation system.
 4. Connection of wire to door position switches and wire runs to central room or area, as directed by Architect.
 5. Connections to panel interface modules, controllers, and gateways.
 6. Testing and labeling wires with Architect's opening number.
- K. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.
- L. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.
- M. Closer/Holders: Mount closer/holders on room side of corridor doors, inside of exterior doors, and stair side of stairway doors.
- N. Power Supplies: Locate power supplies as indicated or, if not indicated, above accessible ceilings or in equipment room, or alternate location as directed by Architect.
- O. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."
- P. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.
- Q. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.
- R. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.
- S. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.03 ADJUSTING

- A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.
1. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.
- B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.04 CLEANING AND PROTECTION

- A. Clean adjacent surfaces soiled by door hardware installation.
- B. Clean operating items per manufacturer's instructions to restore proper function and finish.

- C. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.05 DOOR HARDWARE SCHEDULE

- A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.
- B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.
- C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.
- D. Hardware Sets:

78334 OPT0291475 Version 2

HARDWARE GROUP NO. 01

For use on Door #(s):

B111A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	TIME OUT PADDLE LOCK	683X-2-A	626	ABH
1	EA	ROLLER LATCH	RL30 @ HEAD TO HOLD DOOR CLOSED WHEN NOT IN USE	626	IVE
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 02

For use on Door #(s):

D101-1 D102-2

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	112XY	628	IVE
2	EA	DUMMY PUSH BAR X PULL TRIM	330 X 990DT	626	VON
2	EA	SURFACE CLOSER (W/ STOP)	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61	689	LCN

HARDWARE GROUP NO. 03

For use on Door #(s):

C131A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	SGL CYL DEADBOLT	B660BDC 12-631 10-064	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	PUSH PLATE	8200 4" X 16"	630	IVE
1	EA	PULL PLATE	8303 10" 4" X 16"	630	IVE
1	EA	SURFACE CLOSER (W/ STOP & HO)	4040XP HCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 04

For use on Door #(s):

D103A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY LOCK (W/ OCC IND)	L9040 03A L583-363 L283-722	626	SCH
1	EA	SURFACE CLOSER	4040XP REG	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	MOP PLATE	8400 4" X 1" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

2021055
 Additions and Renovations to
 Eastridge Elementary School
 MSD of Warren Township

SECTION 08 71 00
 DOOR HARDWARE

HARDWARE GROUP NO. 05

For use on Door #(s):
 C108A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	PRIVACY W/COIN TURN	L9044 03A L583-363 L283-722	626	SCH
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 06

For use on Door #(s):

B132 B133 B134 C107 C109 D105A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE/ENTRY LOCK	L9050BDC 03A L583-363	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 07

For use on Door #(s):
 C105-3

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE/ENTRY LOCK	L9050BDC 03A L583-363	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER (W/ STOP)	4040XP CUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 08

For use on Door #(s):

C130-1 C130-2

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE/ENTRY LOCK	L9050BDC 03A L583-363	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER (W/ STOP & HO)	4040XP HCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 09

For use on Door #(s):

C121-1

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE/ENTRY LOCK	L9050BDC 03A L583-363	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER	4040XP EDA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 10

For use on Door #(s):

D106-1

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	OFFICE/ENTRY LOCK	L9050BDC 03A L583-363	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER	4040XP REG	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CVX	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 11

For use on Door #(s):
C131

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T (AS REQ'D)	630	IVE
1	EA	OFFICE/ENTRY LOCK	L9050BDC 03A L583-363	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	COORDINATOR	COR X FL (MB AS REQ'D)	628	IVE
2	EA	OH STOP & HOLDER	410H	652	GLY
2	EA	SURFACE CLOSER	4040XP REG ST-1630	689	LCN
1	EA	MOUNTING PLATE	4040XP-18TJ	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 12

For use on Door #(s):
D107-2

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224XY	628	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T (AS REQ'D)	630	IVE
1	EA	DBL CYL STORE W/DB	L9466BDC 03A	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	COORDINATOR	COR X FL (MB AS REQ'D)	628	IVE
2	EA	OH STOP & HOLDER	410H	652	GLY
2	EA	SURFACE CLOSER	4040XP REG ST-1630	689	LCN
1	EA	MOUNTING PLATE	4040XP-18TJ	689	LCN
2	EA	ARMOR PLATE	8400 35" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 13

For use on Door #(s):
C121-2

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T (AS REQ'D)	630	IVE
2	EA	DBL CYL STORE W/DB	L9466BDC 03A	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	COORDINATOR	COR X FL (MB AS REQ'D)	628	IVE
2	EA	SURFACE CLOSER (W/ STOP & HO)	4040XP HCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 14

For use on Door #(s):
C107A C108B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	OH STOP	450S	652	GLY
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 15

For use on Door #(s):
C109A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	CLASSROOM LOCK	L9070BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 16

For use on Door #(s):
NOT USED

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCK	L9080BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER (W/ STOP)	4040XP CUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 17

For use on Door #(s):
D104A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCK	L9080BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER	4040XP REG	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CVX	630	IVE
3	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 18

For use on Door #(s):
D106A-2

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	STOREROOM LOCK	L9080BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER	4040XP EDA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CVX	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 19

For use on Door #(s):

C119A C119B C120A C129A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224XY	628	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T (AS REQ'D)	630	IVE
1	EA	STOREROOM LOCK	L9080BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	OH STOP	450S	652	GLY
2	EA	ARMOR PLATE	8400 35" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 20

For use on Door #(s):

D105B

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224XY	628	IVE
1	EA	CONST LATCHING BOLT	FB51T/FB61T (AS REQ'D)	630	IVE
1	EA	STOREROOM LOCK	L9080BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	ARMOR PLATE	8400 35" X 1" LDW B-CS	630	IVE
2	EA	WALL STOP	WS406/407CVX	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 21

For use on Door #(s):
D107-1

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	CONT. HINGE	224XY	628	IVE
1	EA	CONT. HINGE	224XY EPT	628	IVE
1	EA	POWER TRANSFER	EPT10	689	VON
1	EA	CONST LATCHING BOLT (HM)	FB51P	630	IVE
1	EA	DUST PROOF STRIKE	DP2	626	IVE
1	EA	EU MORTISE LOCK	L9092HDEU 06B RX CON 12/24 VDC	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	COORDINATOR	COR X FL (MB AS REQ'D)	628	IVE
1	EA	OH STOP & HOLDER	90H (INACTIVE LEAF)	630	GLY
1	EA	SURFACE CLOSER (W/ STOP & HO)	4040XP SHCUSH (ACTIVE LEAF)	689	LCN
2	EA	ARMOR PLATE	8400 35" X 1" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	SET	WEATHERSTRIPPING	429AA-S	AA	ZER
1	EA	ASTRAGAL, OVERLAP	383AA	AA	ZER
2	EA	DOOR SWEEP, BRUSH W/ DRIP	8198AA	AA	ZER
1	EA	THRESHOLD	655A-V3	A	ZER
1	EA	CREDENTIAL READER	BY DIV 28		B/O
2	EA	DOOR CONTACT	679 SERIES	BLK	SCE
1	EA	POWER SUPPLY	PS902 120/240 VAC		VON

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER WILL UNLOCK OUTSIDE LEVER, ALLOWING ACCESS. DOOR REMAINS LOCKED WITH LOSS OF POWER. FREE EGRESS AT ALL TIMES.

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HARDWARE GROUP NO. 22

For use on Door #(s):
C122

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	AUTO FLUSH BOLT	FB31T/FB41T (AS REQ'D)	630	IVE
1	EA	STOREROOM LOCK	L9080BDC 03A	626	SCH
1	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	COORDINATOR	COR X FL (MB AS REQ'D)	628	IVE
2	EA	SURFACE CLOSER (W/ STOP)	4040XP CUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	SILENCER	SR64	GRY	IVE

HARDWARE GROUP NO. 23

For use on Door #(s):

B100 C104

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224XY EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-99-DT 24 VDC	626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-99-NL 24 VDC	626	VON
1	EA	MORTISE CYL HOUSING (SFIC)	80-110 (W/ DISP CONST CORE)	626	SCH
1	EA	RIM CYL HOUSING (SFIC)	80-116 (W/ DISP CONST CORE)	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	ELEC WALL MAG HOLDER	SEM7830 AS REQ (12/24/120V AC/DC TRI-VOLT)	689	LCN
1	EA	CREDENTIAL READER	BY DIV 28		B/O
2	EA	DOOR CONTACT	679 SERIES	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-2RS 120/240 VAC		VON

DOORS NORMALLY HELD OPEN BY ELEC HOLDERS. ELEC HOLDERS TIED TO SECURITY SYSTEM. WHEN SECURITY SYSTEM IS ACTIVATED, HOLDERS RELEASE, AND DOORS CLOSE AND LOCK. DOORS CAN ALSO BE MANUALLY RELEASED FROM HOLDERS.

WHEN DOORS ARE CLOSED AND LOCKED, PRESENTING VALID CREDENTIAL TO READER MOMENTARILY RETRACTS PANIC DEVICE LATCH, ALLOWING ACCESS. PANIC DEVICE LATCHES ALSO CAPABLE OF BEING ELECTRONICALLY DOGGED DOWN (I.E. PUSH/PULL MODE) AS DESIGNATED BY ACCESS CONTROL SYSTEM SCHEDULE. EXIT DEVICES LATCH AND LOCK WITH ACTIVATION OF SECURITY SYSTEM. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 24

For use on Door #(s):

D101-2 D102-1

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	112XY EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
1	EA	PANIC HARDWARE (W/ RX)	LD-RX-99-DT	626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-99-NL 24 VDC	626	VON
1	EA	MORTISE CYL HOUSING (SFIC)	80-110 (W/ DISP CONST CORE)	626	SCH
1	EA	RIM CYL HOUSING (SFIC)	80-159 (W/ KEYED CONST CORE)	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	SURFACE CLOSER (W/ STOP)	4040XP SCUSH	689	LCN
2	EA	PA MOUNTING PLATE	4040XP-18PA	689	LCN
2	EA	CUSH SHOE SUPPORT	4040XP-30	689	LCN
2	EA	BLADE STOP SPACER	4040XP-61	689	LCN
1	EA	RAIN DRIP	142AA	AA	ZER
1	EA	MULLION SEAL	8780NBK PSA	BK	ZER
1	EA	WEATHERSTRIPPING	BY DOOR/FRAME MANUFACTURER		B/O
2	EA	DOOR SWEEP, BRUSH W/ DRIP	8198AA	AA	ZER
1	EA	THRESHOLD, 1/2"	655A	A	ZER
1	EA	CREDENTIAL READER	BY DIV 28		B/O
2	EA	DOOR CONTACT	679 SERIES	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-2RS 120/240 VAC		VON

DOOR NORMALLY CLOSED AND LOCKED. PRESENTING VALID CREDENTIAL TO READER
MOMENTARILY RETRACTS PANIC DEVICE LATCH, ALLOWING ACCESS. PANIC DEVICE LATCHES
ALSO CAPABLE OF BEING ELECTRONICALLY DOGGED DOWN (I.E. PUSH/PULL MODE) AS
DESIGNATED BY ACCESS CONTROL SYSTEM SCHEDULE. EXIT DEVICES LATCH AND LOCK
WITH ACTIVATION OF SECURITY SYSTEM. FREE EGRESS AT ALL TIMES.

HARDWARE GROUP NO. 25

For use on Door #(s):

C119-1 C120 C129-1 C129-2 D105-2 D105-3

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
6	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
2	EA	PANIC HARDWARE	LD-99-L-2SI-03	626	VON
1	EA	MORTISE CYL HOUSING (SFIC)	80-110 (W/ DISP CONST CORE)	626	SCH
4	EA	RIM CYL HOUSING (SFIC)	80-116 (W/ DISP CONST CORE)	626	SCH
5	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	SURFACE CLOSER	4040XP EDA	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
2	EA	WALL STOP/HOLDER	WS45/WS45X	626	IVE
2	EA	SILENCER	SR64	GRY	IVE

SWING 180 WITH WALL STOP/HOLDERS. IF EXISTING CONDITIONS DO NOT ALLOW 180 DEG SWING, THEN USE SHCUSH CLOSER ARMS IN LIEU OF WALL STOP/HOLDERS.

HARDWARE GROUP NO. 26

For use on Door #(s):
D105-1

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
2	EA	CONT. HINGE	224XY EPT	628	IVE
2	EA	POWER TRANSFER	EPT10	689	VON
1	EA	REMOVABLE MULLION	KR4954 STAB	689	VON
1	EA	PANIC HARDWARE (W/ RX)	LD-RX-99-DT	626	VON
1	EA	PANIC HARDWARE (W/ RX)	LD-RX-99-NL	626	VON
1	EA	MORTISE CYL HOUSING (SFIC)	80-110 (W/ DISP CONST CORE)	626	SCH
1	EA	RIM CYL HOUSING (SFIC)	80-159 (W/ KEYED CONST CORE)	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	SURFACE CLOSER (W/ STOP)	4040XP SCUSH	689	LCN
2	EA	KICK PLATE	8400 10" X 1" LDW B-CS	630	IVE
1	EA	RAIN DRIP	142AA	AA	ZER
1	SET	WEATHERSTRIPPING	429AA-S	AA	ZER
1	EA	MULLION SEAL	8780NBK PSA	BK	ZER
2	EA	ASTRAGAL, MEETING STILE	8195AA	AA	ZER
2	EA	DOOR SWEEP, BRUSH W/ DRIP	8198AA	AA	ZER
1	EA	THRESHOLD, 1/2"	655A	A	ZER
2	EA	DOOR CONTACT	679 SERIES	BLK	SCE

HARDWARE GROUP NO. 27

For use on Door #(s):
D106A-1

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	FIRE EXIT HARDWARE	99-L-F-2SI-03	626	VON
2	EA	RIM CYL HOUSING (SFIC)	80-116 (W/ DISP CONST CORE)	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER (W/ STOP)	4040XP SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 28

For use on Door #(s):
D106-2

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	EA	HINGE	5BB1HW 4.5 X 4.5 (NRP AS REQ'D)	652	IVE
1	EA	FIRE EXIT HARDWARE	99-L-F-2SI-03	626	VON
2	EA	RIM CYL HOUSING (SFIC)	80-116 (W/ DISP CONST CORE)	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
1	EA	SURFACE CLOSER	4040XP EDA	689	LCN
1	EA	KICK PLATE	8400 10" X 1 1/2" LDW B-CS	630	IVE
1	EA	WALL STOP	WS406/407CVX	630	IVE
1	EA	GASKETING	488SBK PSA	BK	ZER

HARDWARE GROUP NO. 29

For use on Door #(s):

B130A B131A C114A C115A C116A C133A

Provide each OPENING with the following:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	EA	DOOR CORD	788C-18 (MOUNT UP HIGH)	626	SCE
1	EA	DELAYED PANIC HARDWARE	CX99-L-M996-03-FSE	626	VON
1	EA	MORTISE CYL HOUSING (SFIC)	80-110 (W/ DISP CONST CORE)	626	SCH
1	EA	RIM CYL HOUSING (SFIC)	80-159 (W/ KEYED CONST CORE)	626	SCH
2	EA	PERMANENT CORE	MATCH OWNER STANDARD SYSTEM	626	BES
2	EA	CREDENTIAL READER	BY DIV 28		B/O
1	EA	DOOR CONTACT	679 SERIES	BLK	SCE
1	EA	POWER SUPPLY	PS902 900-2RS 120/240 VAC		VON

DOOR NORMALLY CLOSED AND LOCKED IN BOTH DIRECTIONS, AND DELAYED EGRESS PANIC ARMED. PRESENTING VALID CREDENTIAL TO READER ON EXTERIOR SIDE WILL TEMPORARILY DISARM DELAYED EGRESS PANIC AND UNLOCK OUTSIDE LEVER TRIM, ALLOWING ACCESS. PRESENTING VALID CREDENTIAL TO READER ON INTERIOR SIDE WILL TEMPORARILY DISARM DELAYED EGRESS PANIC, ALLOWING IMMEDIATE EGRESS. WITHOUT VALID CREDENTIAL ON INTERIOR SIDE, PRESSING PUSH BAR WILL ACTIVATE DELAYED EGRESS SYSTEM, SOUND INTERNAL ALARM, AND ALLOW FREE EGRESS IN 15 SECONDS. DELAYED EGRESS PANIC DISARMS AND ALLOWS IMMEDIATE EGRESS WITH LOSS OF POWER OR FIRE ALARM ACTIVATION. EXTERIOR LEVER TRIM REMAINS LOCKED WITH LOSS OF POWER OR FIRE ALARM ACTIVATION. PUSH BAR ARMS/DISARMS DELAYED EGRESS OPERATION VIA KEY IN PUSH BAR. EXTERIOR ACCESS BY KEY ONLY WHEN DELAYED EGRESS PANIC IS DISARMED.

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HARDWARE GROUP NO. 30

For use on Door #(s):

C100-1	C100-2	C100-3	C100-4	C105-1	C105-2
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Provide each OPENING with the following:

QTY	DESCRIPTION	CATALOG NUMBER	FINISH	MFR
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ALL HARDWARE EXISTING TO REMAIN.

END OF SECTION

<u>DOOR #</u>	<u>HS #</u>
B100	23
B111A	01
B130A	29
B131A	29
B132	06
B133	06
B134	06
C100-1	30
C100-2	30
C100-3	30
C100-4	30
C104	23
C105-1	30
C105-2	30
C105-3	07
C107	06
C107A	14
C108A	05
C108B	14
C109	06
C109A	15
C114A	29
C115A	29
C116A	29
C119-1	25
C119A	19
C119B	19
C120	25
C120A	19
C121-1	09
C121-2	13
C122	22
C129-1	25
C129-2	25
C129A	19
C130-1	08
C130-2	08
C131	11
C131A	03
C133A	29
D101-1	02
D101-2	24
D102-1	24
D102-2	02

<u>DOOR #</u>	<u>HS #</u>
D103A	04
D104A	17
D105-1	26
D105-2	25
D105-3	25
D105A	06
D105B	20
D106-1	10
D106-2	28
D106A-1	27
D106A-2	18
D107-1	21
D107-2	12

SECTION 10 22 33 - ACCORDION FOLDING PARTITIONS

PART 1 - GENERAL

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. Section Includes:
 - 1. Manually operated, accordion folding partitions.

1.03 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Design accordion folding partitions, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.
- B. Seismic Performance: Accordion folding partitions shall withstand the effects of earthquake motions determined according to ASCE/SEI 7.
- C. Acoustical Performance: Provide accordion folding partitions tested by a qualified testing agency for the following acoustical properties according to test methods indicated:
 - 1. Sound-Transmission Requirements: Accordion folding partition assembly tested in a laboratory for sound transmission loss performance according to ASTM E 90, calculated according to ASTM E 413, and rated for not less than the STC value indicated.
 - 2. Acoustical Performance Requirements: Installed accordion folding partition assembly, identical to partition tested for STC, tested for NIC according to ASTM E 336, determined by ASTM E 413, and rated for 10 dB less than STC value indicated.

1.04 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. Indicate storage and operating clearances. Indicate location and installation requirements for hardware and track, blocking, and direction of travel.
 - 2. Indicate facing-material seam locations if any.
- C. Samples for Initial Selection: For each type of exposed material, facing material, and finish indicated.
 - 1. Include similar Samples of accessories involving color selection.

- D. Samples for Verification: For each type of exposed material, facing material, and finish indicated, prepared on Samples of size indicated below:
 - 1. Facing Material: Manufacturer's standard-size unit, not less than 3 inches (75 mm) square.
 - 2. Edge Material: Not less than full width by 3 inches (75 mm) long.
 - 3. Hardware: Manufacturer's standard exposed door-operating device.
- E. Delegated-Design Submittal: For accordion folding partitions indicated to comply with performance requirements and design criteria, including analysis data and calculations signed and sealed by the qualified professional engineer responsible for their preparation.
 - 1. Design Calculations: Calculate requirements for seismic restraints.

1.05 INFORMATIONAL SUBMITTALS

- A. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, based on input from installers of the items involved:
 - 1. Suspended ceiling components.
 - 2. Structural members to which suspension systems will be attached.
 - 3. Size and location of initial access modules for acoustical tile.
 - 4. Items penetrating finished ceiling, including the following:
 - a. HVAC ductwork, outlets, and inlets.
 - b. Speakers.
 - c. Sprinklers.
 - d. Smoke detectors.
 - e. Access panels.
 - 5. Plenum fire smoke and acoustical barriers.
- B. Setting Drawings: For embedded items and cutouts required in other work.
- C. Qualification Data: For manufacturer and Installer.
- D. Seismic Qualification Certificates: For accordion folding partitions, accessories, and components, from manufacturer.
- E. Product Certificates: For each type of accordion folding partition, from manufacturer.
- F. Material Certificates: For each textile dye lot, signed by manufacturers.
- G. Product Test Reports: Based on evaluation of comprehensive tests performed by a qualified testing agency, for each accordion folding partition.
- H. Warranty: Sample of special warranty.

1.06 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For accordion folding partitions to include in maintenance manuals. In addition to items specified in Section 01 78 23 "Operation and Maintenance Data," include the following:
 - 1. Facing materials and finishes for exposed trim and accessories. Include precautions for cleaning materials and methods that could be detrimental to finishes and performance.
 - 2. Seals, hardware, track, carriers, and other operating components.

1.07 QUALITY ASSURANCE

- A. Installer Qualifications: An employer of workers trained and approved by manufacturer.
- B. Fire-Test-Response Characteristics: Provide partitions with finishes meeting the following as determined by testing identical products by UL or another testing and inspecting agency acceptable to authorities having jurisdiction:
 - 1. Surface-Burning Characteristics: As determined by testing per ASTM E 84.
 - a. Flame-Spread Index: 25 or less.
 - b. Smoke-Developed Index: 450 or less.

1.08 PROJECT CONDITIONS

- A. Field Measurements: Verify actual dimensions of accordion folding partition openings by field measurements before fabrication.

1.09 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace components of accordion folding partitions that fail in materials or workmanship within specified warranty period.
 - 1. Failures include, but are not limited to, the following:
 - a. Faulty operation of accordion folding partitions.
 - b. Deterioration of metals, metal finishes, and other materials beyond normal wear.
 - 2. Warranty Period: Two years from date of Substantial Completion.
 - 3. Warranty Period for Pantographic Frames, Trolleys, and Tracks: 10 years from date of Substantial Completion.

PART 2 - PRODUCTS

2.01 ACCORDION FOLDING PARTITION

- A. Accordion Folding Partition: Accordion folding frame with pantograph sections designed for horizontal extension and retraction, covered with decorative facing material, reinforced for hardware attachment, supported by overhead suspension system, and equipped with manufacturer's standard air-release method to prevent billowing.

1. Basis of Design: Modernfold Soundmaster 8 or approved equivalent by listed manufacturers.
 - a. Modernfold, Inc.
 - b. Panelfold.
 - c. Moderco Inc.
- B. Partition Type: Center-Opening Double fixed jamb partition:
 1. Pendant Pull: Near top of lead post in addition to standard pull handle/latch for units more than 10 feet (3 m) high or 20 feet (6 m) wide, or both.
- C. STC Rating: 39.
- D. Facing Material: Vinyl-coated fabric.
 1. Color/Pattern: As selected by Architect from manufacturer's full range.

2.02 COMPONENTS

- A. Posts and Seals: Provide types of posts and seals that produce accordion folding partitions complying with performance requirements.
 1. Posts: Steel or aluminum; formed with deep-nesting and interlocking interfaces and fabricated to ensure rigidity of accordion folding partition.
 2. Perimeter Seals: Manufacturer's standard vinyl, neoprene, or woven silica vertical seals, horizontal top and bottom seals, and closures for lead posts and jambs.
- B. Hardware: Manufacturer's standard manually operated pulls, latches, locks, and bolts as required to operate accordion folding partitions; with decorative, protective finish. Provide master keyed locks. Master keyed cylinders provided by.
- C. Trim: Manufacturer's standard with decorative, protective finish.
- D. Tiebacks: As required to maintain accordion folding partitions in stacked position; with manufacturer's standard finish.

2.03 SUSPENSION SYSTEMS

- A. Suspension Tracks: Steel mounted directly to overhead structural support, designed for type of operation, size, and weight of accordion folding partition indicated. Size track to support partition operation and storage without damage to suspension system, accordion folding partitions, or adjacent construction. Limit track deflection to no more than 0.10 inch (2.54 mm) between bracket supports. Provide a continuous system of track sections and accessories to accommodate configuration and layout indicated for partition operation and storage.
 1. Track: Recessed.
 - a. Head Closure Trim and Track Channel Pocket: For protecting overhead surfaces and enclosing overhead track opening; with factory-applied, decorative, protective finish.

- B. Carriers: Trolley system as required for size and weight of partition and for easy, quiet operation; with manufacturer's standard ball-bearing carriers at lead post and manufacturer's standard ball-bearing carriers at intermediate panel supports.
 - 1. Wheels: Manufacturer's standard.
- C. Track Switches and Accessories: Manufacturer's standard switches as required for type of operation, storage, track configuration, and layout indicated.
- D. Steel Finish: Factory-applied, corrosion-resistant, protective coating unless otherwise indicated.

2.04 FACING MATERIALS

- A. General: Provide facing materials with appropriate backing that comply with indicated fire-test-response characteristics, and that are factory attached to accordion folding partitions with concealed fasteners.
 - 1. Factory-apply facing material free of air bubbles, wrinkles, blisters, and other defects; with vertical invisible seams complying with Shop Drawings for location; and with no gaps or overlaps. Tightly secure and conceal raw and selvage edges of facing material for finished appearance. Horizontal butted edges or seams are not permitted.
 - 2. Where facing material with directional or repeating pattern, directional weave, or matching grain is indicated, mark facing-material top and attach facing material in same direction.
- B. Vinyl-Coated Fabric: Manufacturer's standard mildew-resistant, washable, vinyl-coated fabric wall covering; complying with CFFA-W-101-D for Type II; Class A.
 - 1. Total Weight: 20 oz/lin.yd.
 - 2. Antimicrobial Treatment: Additives capable of inhibiting growth of bacteria, fungi, and yeasts.
 - 3. Color: As selected by Architect from manufacturer's full range.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine flooring, structural support, and opening, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of accordion folding partitions.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. General: Comply with ASTM E 557 except as otherwise required by accordion folding partition manufacturer's written installation instructions. Install accordion folding partitions level and plumb, with tight joints and uniform appearance, and free of deformation and surface and finish irregularities.

- B. Install accordion folding partitions and accessories after other finishing operations, including painting, have been completed.

3.03 ADJUSTING

- A. Adjust accordion folding partitions to operate smoothly, without warping or binding. Lubricate hardware and other moving parts.

3.04 CLEANING

- A. Clean soiled surfaces of accordion folding partitions, to remove dust, loose fibers, fingerprints, adhesives, and other foreign materials according to manufacturer's written instructions.

3.05 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's maintenance personnel to adjust, operate, and maintain accordion folding partitions.

END OF SECTION

SECTION 32 33 00 – SITE FURNISHINGS

1.01 RELATED DOCUMENTS

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

1.02 SUMMARY

- A. This Section includes the following:
 - 1. Vehicular Barrier Gate – 36' Width
 - 2. Vehicular Barrier Gate – 28' Width
 - 3. **Flagpole**
 - 4. **Flagpole Light Topper**
- B. Related Sections include the following:
 - 1. Division 31 Section "Earth Moving" for soil materials, excavating, backfilling and site grading requirements.

1.03 SUBMITTALS

- A. General: Submit the following according to Conditions of Contract and Division 1 Specification Sections.
- B. Product Data: For each type of site furnishing specified, with installation instruction for each unit built-in or connected to other construction. Include methods of installation for each type of substrate.
- C. Samples for Initial Selection Purposes: Manufacturer's standard size samples showing full range of colors, textures, and patterns available for each type of site furnishing required.
- D. Submissions for Verification Purposes: Manufacturer's standard sizes for each type of site furnishing required.
- E. Shop Drawings: For each piece of site furniture, indicating dimensions, anchoring methods, color, finish, etc. Shop drawings will allow for final approval from Landscape Architect and coordination of installation by Contractor.

1.04 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Firm (Material Producer) with not less than three (3) years of production experience, and whose published literature clearly indicates compliance with the indicated requirements of this Section.
- B. Single Source Responsibility: Provide each required type of site furnishing as produced by a single manufacturer

1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to Project site in original factory wrappings and/or containers, clearly labeled with identification of manufacturer, brand name and lot number (as applicable).

1. Sequence delivery of site furnishings as near as practicable to required time scheduled for installation so as to minimize the required amount of onsite storage time.
 2. Store materials in original, undamaged packages and containers, protected from the elements, soiling and other potential sources of damage.
- B. Comply with instructions and recommendations of manufacturer for additional delivery, storage and handling requirements.

1.06 MAINTENANCE

- A. Maintenance Instructions: Submit manufacturer's printed instructions for maintenance of installed Work, including methods and frequency recommended for maintaining optimum condition under anticipated use conditions. Include precautions about materials and methods which may be detrimental to finishes and performance.

PART 2 - PRODUCTS

2.01 MISCELLANEOUS MATERIALS

- A. Welding Electrodes and Filler Metal: Type and alloy of filler metal and electrodes as recommended by producer of metal to be welded, complying with applicable AWS specifications and as required for color match, strength and compatibility in fabricated items.
- B. Cast-in-Place Anchors: Anchors fabricated from corrosion-resistant materials with capability to sustain imposed design loads when installed in concrete as determined by testing per ASTM E 488 conducted by a qualified independent testing agency.
- C. Fasteners: Use fasteners of same basic metal as the fastened metal, unless otherwise indicated. Do not use metals that are corrosive or incompatible with materials joined.
1. Provide concealed fasteners for connection of site furnishings and for their attachment to other Work except where exposed fasteners are unavoidable. Provide tamper-proof and corrosion-resistant machine screws for exposed fasteners, unless otherwise indicated or approved by the Landscape Architect.

2.02 FABRICATION, GENERAL

- A. Provide site furnishing items, both freestanding and permanently installed, equipped with functions as specified. Fabricate units with tight seams and joints, exposed metal edges rolled. Provide products with smooth welds, consistent finish with no evidence of wrinkling, chipping, uneven coloration, dents or other imperfections.

2.03 VEHICULAR BARRIER GATE

- A. Provide a "Z-Series" Tubular Barrier Gate as manufactured by Hoover Fence Co., Newton Falls, OH, (800) 355-2335, or approved equal prior to bidding. Black powdercoat finish. Confirm color during submittal process.
1. Model HCG-Z-4x36-DB-KIT-G-B or equal when approved by Landscape Architect prior to bidding
- B. Provide a "Z-Series" Tubular Barrier Gate as manufactured by Hoover Fence Co., Newton Falls, OH, (800) 355-2335, or approved equal prior to bidding. Black powdercoat finish. Confirm color during submittal process.

1. Model HCG-Z-4x28-DB-KIT-G-B or equal when approved by Landscape Architect prior to bidding

2.04 FLAGPOLE

- A. **Basis-of-design:** Tapered Aluminum Internal Halyard with lockable cover plate and gold ball topper. Satin finish. Model: MDG40CC, 40' height. Satin Finish. 6' x 10' Flag Size. Include all proper hardware and clips for a complete installation. As coordinated, designed, and fabricated by Admiral Flag Inc, 1-800-783-7653. Install per manufacturers recommendations.
 1. Numerous manufacturers offer comparable products and are encouraged to offer an equal product as part of the bidding process. Provide full product literature and ensure all quality standards demonstrated by the basis-of-design product are met or exceeded.

2.05 FLAGPOLE LIGHT TOPPER

- A. **Basis-of-design:** Eagle Mountain Flag and Flagpole 333 FM 2325 PO Box 500 Wimberley TX 78676 1-512-847-0010.
 1. Install per manufacturers recommendations.
 2. Model: SG-IHR-CB
 3. Truck Finish: Satin
 4. Dome Size: Medium
 5. Dome Finish: Gold
 6. Cable Length: 150'
 7. Dawn to Dusk Photocell: yes
 8. Provide SG-IG Driver
 9. Coordinate electrical service with Electrical Drawings prior to pouring foundation.
 10. Coordinate installation of Light Topper with Flagpole

PART 3 - EXECUTION

3.01 PREPARATION

- A. Coordinate and furnish anchorages and setting drawings, diagrams, templates, instructions and directions for installing items having integral anchors that are to be embedded in concrete or masonry construction. Coordinate delivery of such items to the Project site.

3.02 INSTALLATION, GENERAL

- A. Provide anchorage devices and fasteners where necessary for securing site furnishings to in-place construction.
- B. As required, and in accordance with manufacturer's written recommendations, perform drilling and fitting to install units. Set units accurately in location, alignment and elevation, plumb, level and true, measured from established lines and levels. Provide temporary bracing or anchors in form work for items that are to be built into concrete, masonry or similar construction.

- C. Fit exposed connections accurately together to form tight, hairline joints. If cutting, welding and/or grinding is required for proper shop fitting and joining of site furnishings, restore finishes to completely eliminate any evidence of such corrective Work.
 - 1. Do not cut or abrade finishes that cannot be completely restored in the field. Return items with such finishes to the shop for required alterations, followed by complete refinishing, or provide new units as required by the Owner.

3.03 INSTALLATION

- A. Verify that materials are those specified before installing. Inspect site furnishings to ensure that all units are complete, including fasteners, anchoring devices and/or accessories required for installation as shown and indicated.
- B. Coordinate installation of site furnishings with related Work to ensure that units will be undamaged at time of acceptance of Work. Provide temporary protective covering for units to avoid damage during the remainder of the construction period. Remove any temporary coverings at time of Substantial Completion.
- C. Remove and replace all damaged or defective items at no additional cost to the Owner. Clean and polish exposed surfaces using materials and methods as recommended by the manufacturer.

END OF SECTION

SECTION 33 46 00
STORMWATER DETENTION

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Stormwater ponds.
- B. Outlet structures for stormwater ponds.
- C. Modular buried stormwater detention units.

1.02 RELATED REQUIREMENTS

- A. Section 03 30 00 - Cast-in-Place Concrete.
- B. Section 31 05 19 - Geosynthetics for Earthwork.
- C. Section 31 23 16 - Excavation.
- D. Section 31 23 23 - Fill.
- E. Section 33 05 13 - Manholes and Structures.
- F. Section 33 42 11 - Stormwater Gravity Piping.
- G. Section 33 42 30 - Stormwater Drains.

1.03 REFERENCE STANDARDS

- A. AASHTO HB - Standard Specifications for Highway Bridges; Seventeenth Edition.
- B. ASTM A929/A929M - Standard Specification for Steel Sheet, Metallic-Coated by the Hot-Dip Process for Corrugated Steel Pipe; 2001 (Reapproved 2013).
- C. ASTM C913 - Standard Specification for Precast Concrete Water and Wastewater Structures; 2021.
- D. ASTM C923/C923M - Standard Specification for Resilient Connectors Between Reinforced Concrete Manhole Structures, Pipes, and Laterals; 2020.
- E. ASTM D3282 - Standard Practice for Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes; 2015.
- F. ASTM D4873/D4873M - Standard Guide for Identification, Storage, and Handling of Geosynthetic Rolls and Samples; 2016.
- G. ASTM D6637/D6637M - Standard Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method; 2015.
- H. GRI GM13 - Test Methods, Test Properties and Testing Frequency for High Density Polyethylene (HDPE) Smooth and Textured Geomembranes; 2019.

1.04 ADMINISTRATIVE REQUIREMENTS

1.05 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data on each product to be used, including physical properties, seaming materials, and installation instructions.
- C. Shop Drawings: Indicate stack assembly, invert elevations, opening sizes, and pipe angles.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with at least three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified and with at least three years of documented experience and approved by manufacturer.

- C. Documents at Project Site: Maintain at project site one copy of manufacturer's instructions and shop drawings.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Identify, store, and handle geosynthetic rolls in accordance with ASTM D4873/D4873M.
- B. Protect materials from sunlight and other ultraviolet light sources during storage.
- C. Handle geosynthetics with care and prevent dragging, dropping, or imbalanced lifting.

PART 2 PRODUCTS

2.01 STORMWATER DETENTION

- A. Fill: See Section 31 23 23.
- B. Impermeable Layer: Group A-4 in accordance with ASTM D3282.
- C. Geogrid: Geogrid for stabilization as specified in Section 31 05 19.

2.02 OUTLET STRUCTURES FOR STORMWATER PONDS

- A. Precast Concrete: Reinforced, integrated lift rings, in accordance with ASTM C913.
 - 1. Concrete: 4,000 psi minimum 28 day compressive strength.
 - 2. Wall Thickness: 4 inches (102 mm).
 - 3. Resilient Connectors: Natural rubber, in accordance with ASTM C923/C923M.
- B. Corrugated Metal: Galvanized sheet steel in accordance with ASTM A929/A929M with helical lock seams.
- C. Trash Racks: Cast iron, heavy duty bar screen.
- D. Concrete Base: See Section 03 30 00.

2.03 MODULAR BURIED STORMWATER DETENTION UNITS

- Modular Plastic: Open cell, interlocking, 100 percent recycled.
 - 1. Loading: H-20 minimum, in accordance with AASHTO HB.
 - 2. Manufacturers:
 - a. Contech.
- A. Geogrid: 1,300 lb/ft (19.0 kN/m) minimum ultimate tensile strength, when tested in accordance with ASTM D6637/D6637M.
- B. Geomembrane: HDPE, comply with GRI GM13.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verification of Conditions:
 - 1. Verify excavations are at correct topographies and areas to be filled are not compromised with surface or ground water.
 - 2. Verify items provided by other sections of work are properly sized and located.

3.02 PREPARATION

- A. Coordinate placement of inlet and outlet pipe required by other sections.

3.03 POND CONSTRUCTION

- A. Install geogrid according to manufacturer's instructions.
- B. Fill to contours and elevations indicated using unfrozen materials.
- C. Employ a placement method that does not disturb or damage other work.
- D. Systematically fill to allow maximum time for natural settlement. Do not fill over porous, wet, frozen, or spongy subgrade surfaces.
- E. Maintain optimum moisture content of fill materials to attain required compaction density.

- F. Granular Fill: Place and compact materials in equal continuous layers not exceeding 6 inches compacted depth.
- G. Soil Fill: Place and compact material in equal continuous layers not exceeding 8 inches compacted depth.

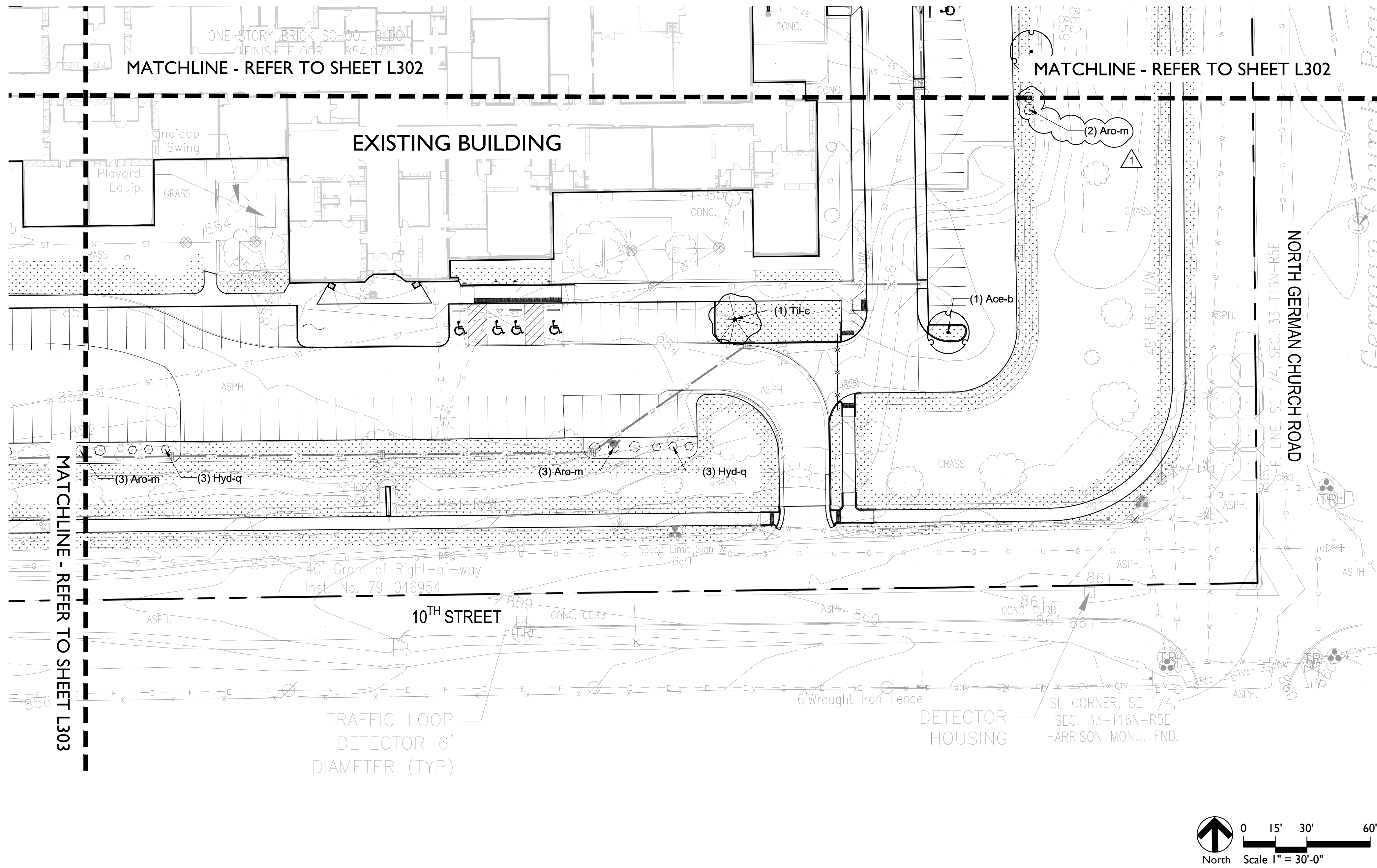
3.04 POND OUTLET CONSTRUCTION

- A. Form concrete base pad according to drawings, trowel top surface level.
- B. Precast Structure: Place structure sections plumb and level, trim to correct elevations.
 - 1. Anchor to base pad.
 - 2. Cut and fit for pipe.
 - 3. Grout base of shaft sections to achieve slope to exit piping. Trowel smooth. Contour as required.
- C. Corrugated Structure: Install elbow fitting and sections plumb and level, trim to correct elevations.
 - 1. Anchor to base pad.
 - 2. Cut and fit for pipe.
- D. Set trash racks level without tipping, to correct elevations.

3.05 MODULAR UNIT INSTALLATION

- A. Install modular units according to manufacturer's instructions.
- B. Lay geogrid sheets on base in the direction of construction.
- C. Lay geomembrane sheets on geogrid in the direction of construction.
- D. Install modular units according to drawings, interlocking wherever possible.
- E. Lay geogrid sheets on modular units in the direction of construction.
- F. Cover top and sides of modular units with geomembrane, weld seams according to manufacturer's instructions.
- G. Backfill without damaging modular units, geomembrane, or geogrid as specified in Section 31 23 23.

END OF SECTION



GENERAL LANDSCAPE AND PLANTING NOTES

1. Refer to Project Manual for Planting Specifications and Topsoil requirements. Refer to Plant Schedule and Planting Details for additional information.
2. All materials are subject to the approval of the Landscape Architect and Owner at any time. Landscape Architect to inspect all plant locations and plant bed conditions prior to installation. On-site adjustments may be required.
3. Rootballs shall meet or exceed size standards as set forth in American Standards for Nursery Stock. MAIN LEADERS OF ALL TREES SHALL REMAIN INTACT.
4. Remove from the site any plant material that turns brown or defoliates within five (5) days after planting. Replace immediately with approved, specified material.
5. Plant counts indicated on drawings are for Landscape Architect's use only. Contractor shall make own plant quantity takeoffs using drawings, specifications, and plant schedule requirements (i.e., spacing), unless otherwise directed by Landscape Architect. Contractor to verify bed measurements and install appropriate quantities as governed by plant spacing per schedule. Plant material quantities shown on plan are minimum quantities. Additional material may be needed to meet spacing requirements and field conditions.
6. Seed all areas disturbed by construction activities that are not otherwise noted to receive pavement, planting bed, or sod treatment.
7. The Contractor shall install and/or amend topsoil in all proposed bed areas to meet Specifications. Contractor shall coordinate quantity and placement of topsoil. Landscaper shall verify depth of topsoil prior to plant installation. (Refer to specifications for topsoil source and placement requirements)
8. All tree locations shall be marked with 2x2' stakes prior to planting for review and approval by the Landscape Architect. Any plant material installed in an incorrect location, by the judgment of the Landscape Architect, shall be reinstalled at the Contractor's expense.
9. All plant beds shall receive 3" minimum of shredded hardwood bark mulch (unless otherwise noted).
10. Verify all utility locations in the field prior to beginning work. Repair all damaged utilities to Owner's satisfaction at no additional cost.
11. The Contractor shall maintain all plant material and lawns until the project is fully accepted by the Landscape Architect, unless otherwise noted.
12. All workmanship and materials shall be guaranteed by the Contractor for a period of one calendar year after Final Acceptance.
13. Install all plant material in accordance with all local codes and ordinances. Coordinate with the Owner to obtain any required permits necessary to complete work.
14. Contractor shall test all tree pits for drainage. Any tree pit that holds water for more than 24 hours shall be installed using tree pit drainage.
15. Tree Protection Fencing is the responsibility of the Contractor. Minimum protected area shall include the full drip line of the canopy. NO construction activities, material storage, etc. may occur within that area. The Contractor shall ensure that no soil compaction or tree damage occurs in any Protected areas, at any time during the construction process.
16. Trees shall be matched in groups unless otherwise noted.

ORDINANCE REQUIREMENTS

744.504 - Street Frontage and Front Yard Landscaping

Exempt pursuant to 744.502
Building Expansion does not exceed 125% of the original square footage.

744.505.A - Parking Lot Landscaping | Street Frontage Landscaping

Requirements: (1) shade tree / 35 l.f. of street frontage OR under powerlines (1) ornamental tree / 20 l.f. of street frontage 10 ft. planting bed along entire street frontage + (3) large shrubs / 25 l.f. of street frontage

South Parking Lot - 205 l.f. of street frontage
Required: 6 shade trees + 17 shrubs
Provided: 6 shade trees + 17 shrubs

South Parking Add Alternate - 81 l.f. of street frontage
Required: 3 shade trees + 10 shrubs
Provided: 3 shade trees + 10 shrubs

East Parking Lot - 70 l.f. of street frontage
Required: 2 shade trees + 8 shrubs
Provided: 2 shade trees + 8 shrubs

744.505.B - Parking Lot Landscaping | Interior Landscaping

Requirements: Required interior landscaping area = 6% of all uncovered new vehicle areas, minimum width of landscaped area is 8'. Minimum number of shade trees is 1 per 180 square feet of interior landscaping area.

South Parking Lot - 11,100 sf. of new vehicle areas (0.06)
Required: 666 sf. and 4 shade trees
Provided: 679 sf. and 3 proposed shade trees and 1 existing tree

South Parking Add Alternate - 5,184 sf. of new vehicle areas (0.06)
Required: 311 sf. and 2 shade trees
Provided: 1,191 sf. and 4 shade trees

East Parking Lot - 3,226 sf. of new vehicle areas (0.06)
Required: 200 sf. and 2 shade trees
Provided: 322 sf. and 2 shade trees

744.506.B - Transitional Yard and Edge Buffering

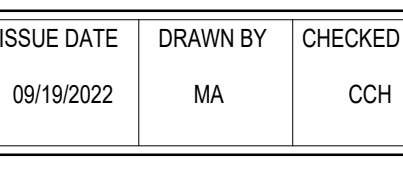
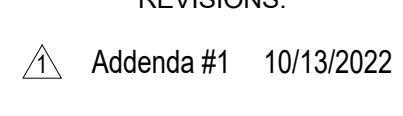
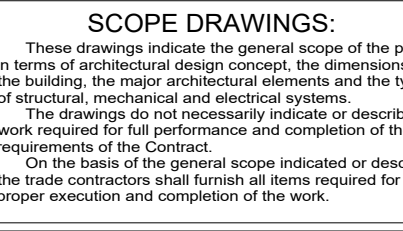
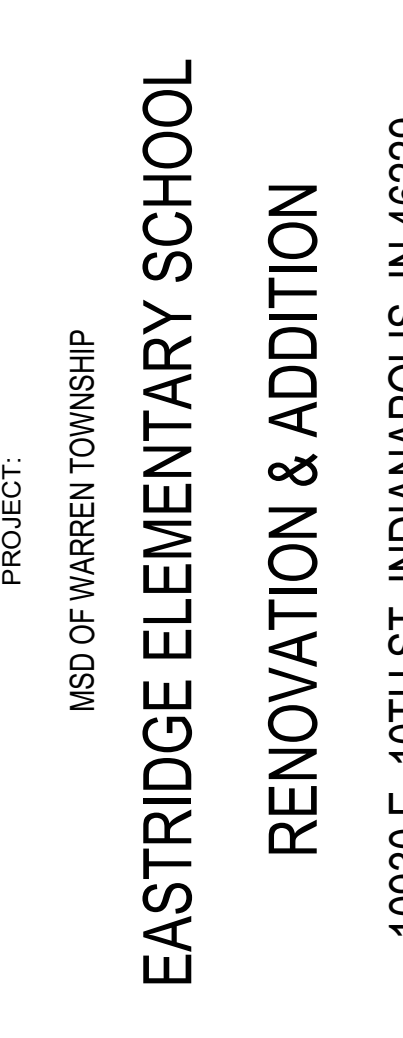
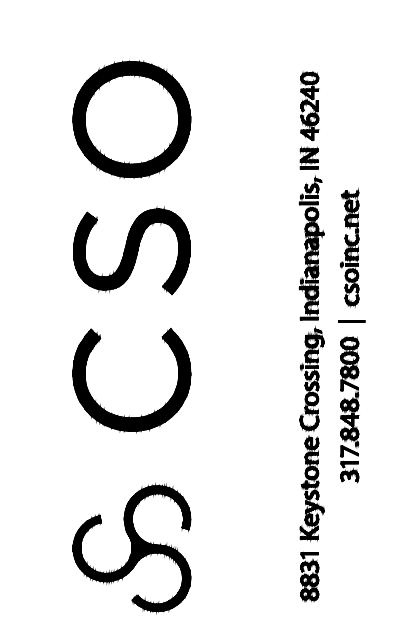
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Building Expansion does not exceed 125% of the original square footage.

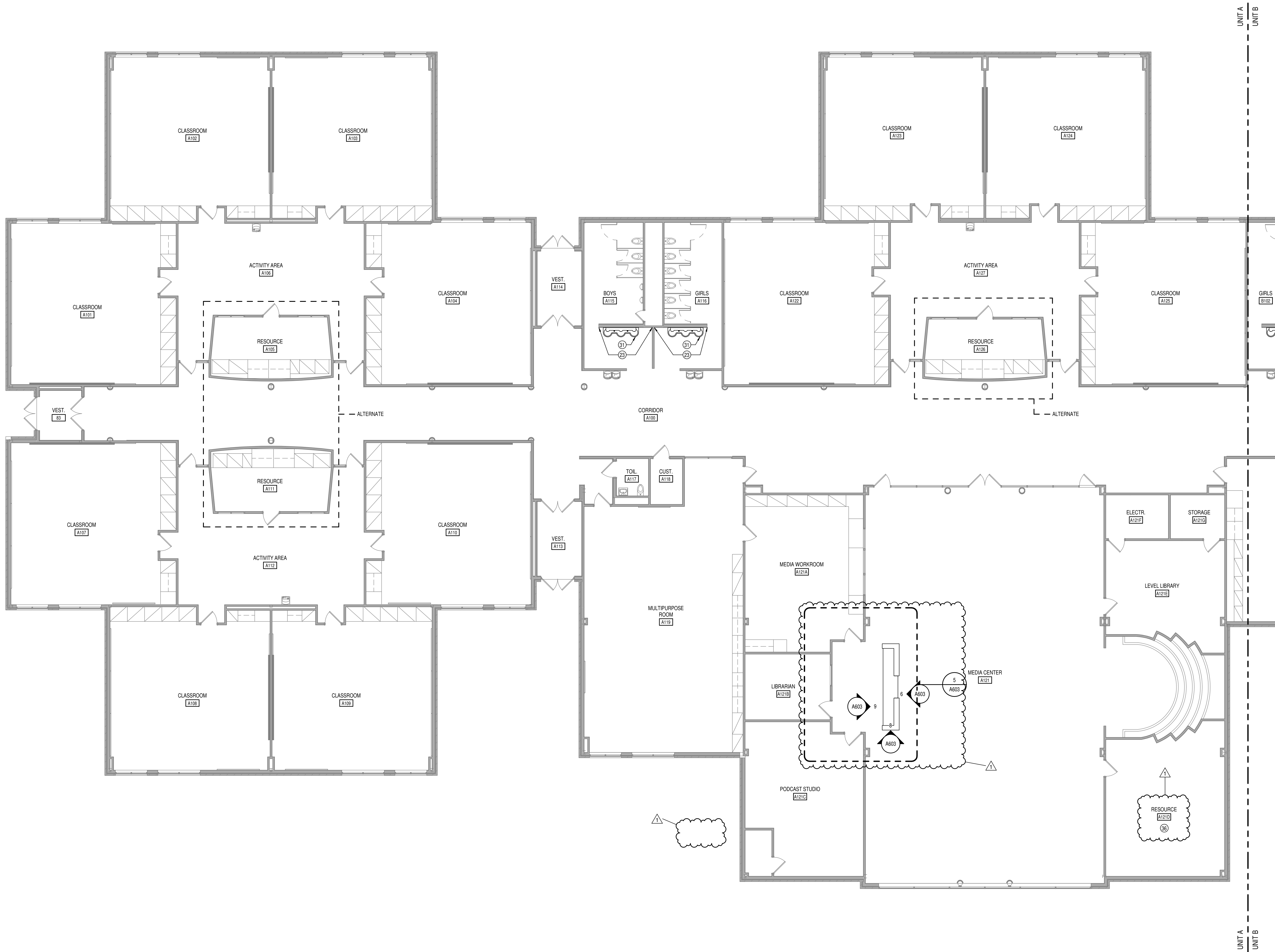
744.507 - Dwelling Districts

Not applicable

744.508 - Screening of Facilities and Equipment

Not applicable

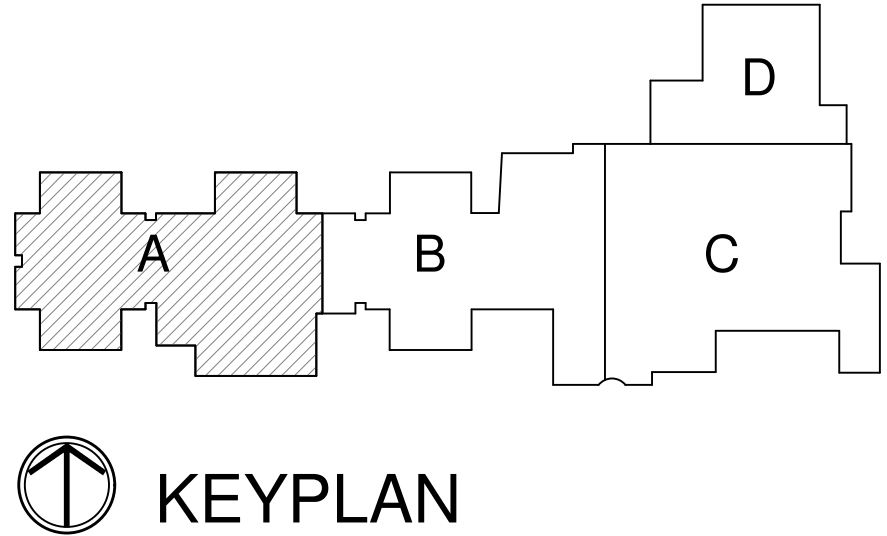





1 FIRST FLOOR - PLAN - UNIT A
A201A SCALE: 1/8" = 1'-0"

- ### GENERAL NOTES
- COORDINATE THE WORK OF EACH TRADE WITH THE WORK OF OTHER TRADES.
 - ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS AND STANDARDS INCLUDING, BUT NOT LIMITED TO THOSE LISTED ON THE COVER SHEET. ALL APPLICABLE RULES & REGULATIONS ARE TO BE THE MOST CURRENT ADOPTED EDITIONS.
 - FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
 - ALL DIMENSIONS ARE FROM CENTERLINE OF STRUCTURE, FINISH FACE OF WALL, FACE OF MASONRY, OR FACE OF EXISTING.
 - ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
 - REFER TO WALL TYPE SCHEDULE, SHEET A200, TO DETERMINE WHICH WALLS EXTEND TO DECK. SEE STRUCTURAL FOR TOP SUPPORT DETAIL. WHERE METAL STUDS EXTEND TO DECK, PROVIDE SLIP CONNECTIONS FOR ROOF/FLOOR DEFLECTION.
 - ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER LIMIT HEIGHT (L240).
 - WHERE INSULATED OR SOUND WALLS EXTEND TO DECK, FILL DECK FLUTES WITH INSULATION/SOUND ATTENUATION.
 - REFER TO PLUMBING PLANS FOR LOCATION OF FLOOR DRAINS.
 - WHERE ACCESS PANELS ARE SHOWN IN TOILET ROOM CHASES, FINAL LOCATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.
 - ALL CONCRETE MASONRY UNITS (CMU) SHALL BE LAID RUNNING BOND U.N.O. CMU WALLS THAT DO NOT LAY OUT IN FULL OR HALF LENGTHS SHOULD BE BALANCED SO AS NOT TO HAVE ANY PIECES LESS THAN 4" IN SIZE EXPOSED TO VIEW.
 - ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS PER PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS TO ALLOW FOR DEFLECTION.
 - THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM (R-15 MIN.) HORIZONTAL.
 - PROVIDE MISCELLANEOUS SUPPORT FOR ALL CEILING SUSPENDED ITEMS. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS, WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (E.G. A100-1). SEE A200 SERIES DRAWINGS FOR DOOR SCHEDULE AND DETAILS.
 - ALL DOOR FRAMES SHALL BE LOCATED 4" OFF FINISH WALLS OR 4" OFF MASONRY WALLS UNLESS NOTED OTHERWISE.
 - ALL GLASS AT INTERIOR DOOR FRAMES, DOOR LITES AND WINDOW FRAMES IS TO BE 1/4" CLEAR TEMPERED GLASS UNLESS NOTED OTHERWISE.
 - AT BUILDING EXPANSION JOINTS, ALL PARTITIONS, CEILINGS, FLOORS AND ALL WALL, FLOOR OR CEILING MOUNTED ITEMS SHALL BE ANCHORED TO THE BUILDING STRUCTURE ON ONLY ONE SIDE OF THE EXPANSION JOINTS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OR INSTALLATION OF ALL ITEMS NOTED TO ASSURE THAT NO SUCH ITEMS BRIDGE ACROSS THE EXPANSION JOINT.
 - ALL SLAB-ON-GRADE CONTROL JOINTS TO BE CLEANED AND CAULKED PRIOR TO PLACEMENT OF FLOOR FINISH.
 - SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS AND DETAILS.
 - REFER TO MECHANICAL DRAWINGS FOR WALL LOUVER LOCATIONS, SIZES AND QUANTITIES.
 - SEE A200 SERIES DRAWINGS FOR FINISH SCHEDULE AND PLANS.
 - SEE A200 SERIES DRAWINGS FOR EQUIPMENT SCHEDULE AND PLANS. PROVIDE BLOCKING IN STUD WALLS AND/OR GROUTED MASONRY CORES AS REQUIRED TO SUPPORT EQUIPMENT.
 - PROVIDE FIRE RESISTANT TREATED WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
 - WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR UNLESS NOTED OTHERWISE.
 - APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (E.G. MASONRY TO GYPSUM WALL BOARD) UTILIZING THE APPROPRIATE TYPE PER SPECIFICATIONS. COLOR TO BE SELECTED BY ARCHITECT.
 - APPLY SEALANT AT ALL COUNTERTOPS AND BACKSPLASHES AT JUNCTURE WITH WALL AND BETWEEN ALL DISSIMILAR MATERIALS. TYPICAL.
 - ALL DOORS MUST BE INSTALLED WITH AT LEAST THE MINIMUM MANEUVERING CLEARANCE AT THE DOOR APPROACH PER THE MOST CURRENT AMERICANS WITH DISABILITIES ACT.
 - BASE FLOOR ELEVATION INDICATED FOR THIS PROJECT IS 0'-0". REFER TO SITE PLAN FOR CORRELATION TO USGS DATUM.
 - WHERE DISSIMILAR MATERIALS ABUT, ALL EXPOSED CUT EDGES SHALL BE TRIMMED TO ENSURE A SMALL, NEAT CAULK JOINT. WHERE GYPSUM BOARD ADJACENT DOOR FRAMES, WINDOWS, OR CMU, EDGE SHALL BE TRIMMED WITH CONTINUOUS 1/2" MOLD. TACKLE MATERIAL SHALL BE TRIMMED WITH ALUMINUM J-CHANNEL.
 - FINAL ROOM NUMBERS FOR ROOM SIGNAGE, SYSTEMS, AND EQUIPMENT TAGGING SHALL BE VERIFIED WITH THE OWNER. NUMBERS SHOWN ON CONSTRUCTION DOCUMENTS ARE NOT FINAL.
 - ALL OUTSIDE CORNERS OF CMU WALL CONSTRUCTION TO BE BULLNOSED BLOCK.

- ### KEYED PLAN NOTES
- ALIGN FINISH FACES.
 - 2" BUILDING EXPANSION JOINT WITH EXPANSION JOINT COVER WHERE EXPOSED IN THE FINISH WORK.
 - PATCH EXISTING TERRAZZO AS REQUIRED. REFER TO A200 SERIES DRAWINGS.
 - NEW UNTEL - REFER TO STRUCTURAL DRAWINGS AND SCHEDULES.
 - NEW LADDER WITH HATCH ABOVE - VERIFY LOCATION WITH MEP AND STRUCTURAL.
 - ROOF CONDUCTOR - REFER TO PLUMBING DRAWINGS.
 - PATCH AND REPAIR LVT FLOORING AS REQUIRED.
 - INFILL AND TOOTH IN NEW BRICK AT DEMOLISHED WINDOW TO MATCH EXISTING ADJACENT CONSTRUCTION.
 - PATCH AND REPAIR WALL CONSTRUCTION WITH INFILL TO MATCH EXISTING ADJACENT. AND TO RECEIVE NEW FINISHES.
 - MOTORIZED RETRACTABLE BLEACHERS WITH PLASTIC SEATS TO SEAT 500 MINIMUM.
 - PROVIDE BRASS SLEEVE INSERT CAST INTO FLOOR FOR VOLLEYBALL STANDARDS - SEE SPECIALTY EQUIPMENT.
 - 6" ALUMINUM STOREFRONT SYSTEM WITH INTEGRAL ALUMINUM SILL.
 - NEW ARCHITECTURAL LOUVER 5'-4" X 9'-4" CUSTOM COLOR SEE SPECIFICATION.
 - CHAIRLIFT WITH RECESSED CONCRETE SLAB AREA AS REQUIRED.
 - EXISTING EXPANSION JOINT.
 - SHIPS LADDER.
 - MECHANICAL MEZZANINE ABOVE.
 - NEW DRINKING FOUNTAINS - SEE PLUMBING DRAWINGS.
 - VERIFY HEIGHT OF SUPPORT BEAM WITH STRUCTURAL.
 - LINE OF OVERHANG ABOVE.
 - MECHANICAL RETURN AIR GRILLE - SEE MECHANICAL DRAWINGS.
 - PATCH AND REPAIR WALL CONSTRUCTION TO RETURN TO LIKE NEW CONDITION WITH TILE BACKER BOARD AND CERAMIC TILE. REFER TO A200 SERIES.
 - FURR OUT EXISTING WALL AS REQUIRED TO BE FLUSH WITH ADJACENT WALL.
 - PROVIDE SHEET METAL CAP AT CHASE.
 - DOORS TO RECEIVE PANEL HARDWARE - SEE SPECIFICATION - DOOR HARDWARE FOR HARDWARE SETS REQUIRED.
 - J-MOULD.
 - VITRIFY EXISTING TERRAZZO FLOOR.
 - NEW CAMERA MONITORING TIME-OUT ROOM DOOR - SEE ELECTRICAL.
 - GRFG COLUMN ENCLOSURE.
 - NEW MULTISTATION SINKS - SEE PLUMBING DRAWINGS.
 - WALL PADDING SYSTEM FULL HEIGHT OF ROOM AND DOOR AND FRAME.
 - NEW SOLID SURFACE COUNTERTOP ON EXISTING BASE CABINETS.
 - LOWER LITES TO BE REPLACED WITH SPANDREL PANELS.
 - 4" CONTINUOUS POURED CONCRETE CURB WITH WATER STOP ENTIRE PERIMETER OF MECHANICAL INTERSTITIAL SPACE.
 - PATCH AND REPAIR WALL CONSTRUCTION TO RETURN TO LIKE NEW CONDITION.
 - EXISTING GLAZING IN ALUMINUM STOREFRONT DOORS AND FRAMES AND ALL SIDELIGHTS TO BE REPLACED WITH TYPE SCHOOL GUARD GLASS AS INDICATED TO 7'-0" A.F.F. MINIMUM.
 - CYCLOPAMA CURTAIN.
 - DELAYED EGRESS, ALARMED DOORS (SEE A501).
 - NEW SOLID SURFACE WINDOW STOOL (TYPICAL AT NEW WINDOWS).
 - COORDINATE SIZE OF POCKET WITH OPERABLE PANEL PARTITION MANUFACTURER. VERIFY HEIGHT OF SUPPORT BEAM WITH STRUCTURAL.
 - BRICK TO MATCH TYPE, COLOR, BOND, AND PATTERN OF BRICK AT EXTERIOR OF BUILDING.
 - PATCH AND REPAIR EXISTING CONCRETE SLABS WHERE WALLS HAVE BEEN DEMOLISHED.
 - NEW EPOXY TERRAZZO ON EXISTING CONCRETE SLAB GROUND DOWN 3/8". COORDINATE HEIGHT AS REQUIRED TO CREATE FLUSH FINISH TRANSITION BETWEEN EXISTING AND NEW.
 - BULLNOSED CMU.
 - NEW EPOXY TERRAZZO ON NEW CONCRETE FLOOR SLAB. COORDINATE HEIGHT AS REQUIRED TO CREATE FLUSH FINISH TRANSITION BETWEEN EXISTING AND NEW.
 - PROVIDE SMOOTH CLOSURE TRIM AT COLUMN TO ENSURE THAT ACCORDION PARTITION FINISH IS NOT DAMAGED BY CMU CORNERS.
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 - PATCH AND REPAIR EXISTING WOOD CHAIR RAIL WITH SALVAGED MATERIAL AS REQUIRED.





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PROJECT: MSD OF WARREN TOWNSHIP
ADDITIONS AND RENOVATIONS TO
EASTRIDGE ELEMENTARY
SCHOOL
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. The drawings are not intended to be a substitute for the design of structural, mechanical and electrical systems. The drawings are not intended to be a substitute for the design of the building. The drawings are not intended to be a substitute for the design of the building. The drawings are not intended to be a substitute for the design of the building.

REVISIONS:
1 ADDENDUM #1 10-14-22

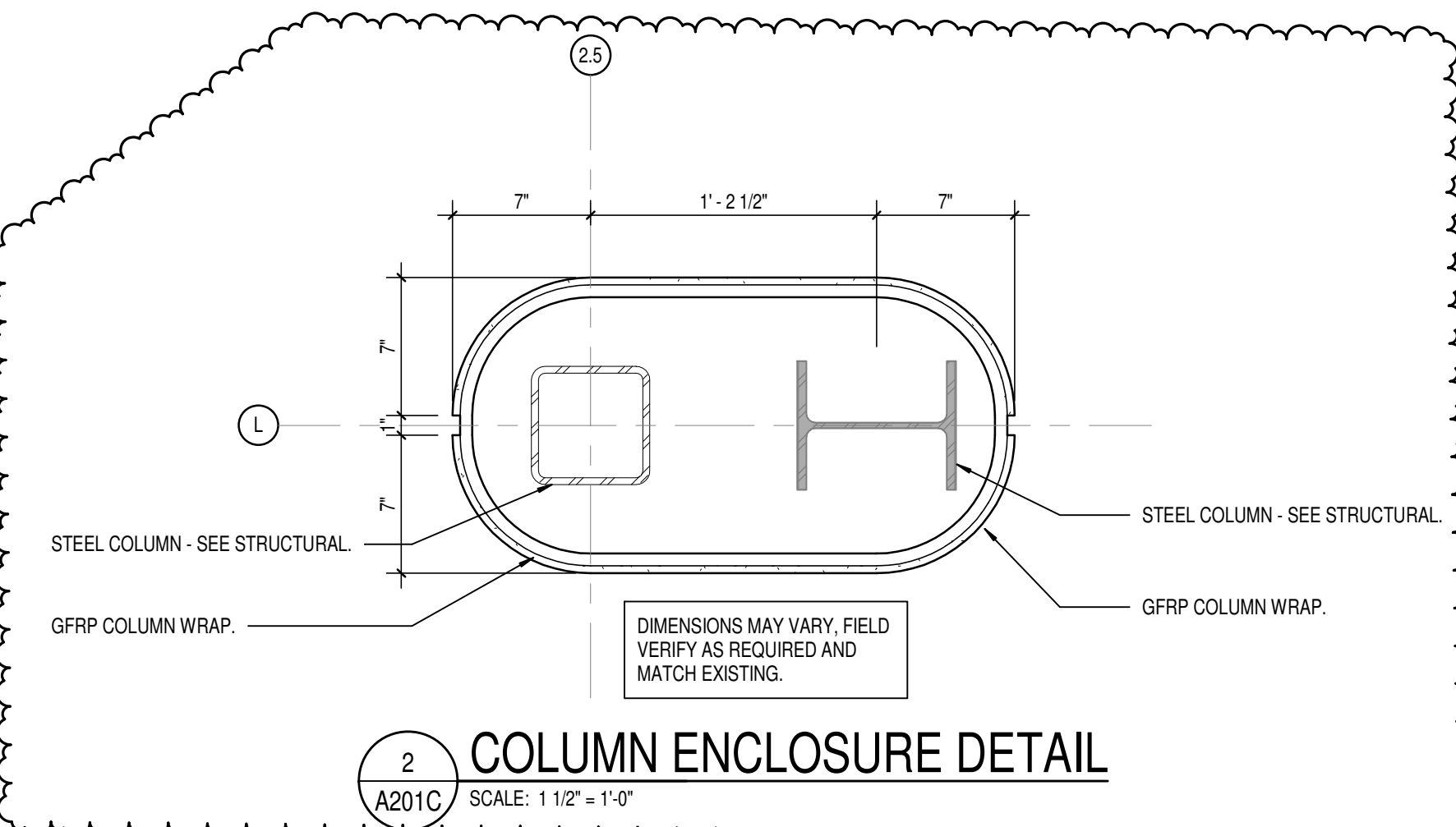
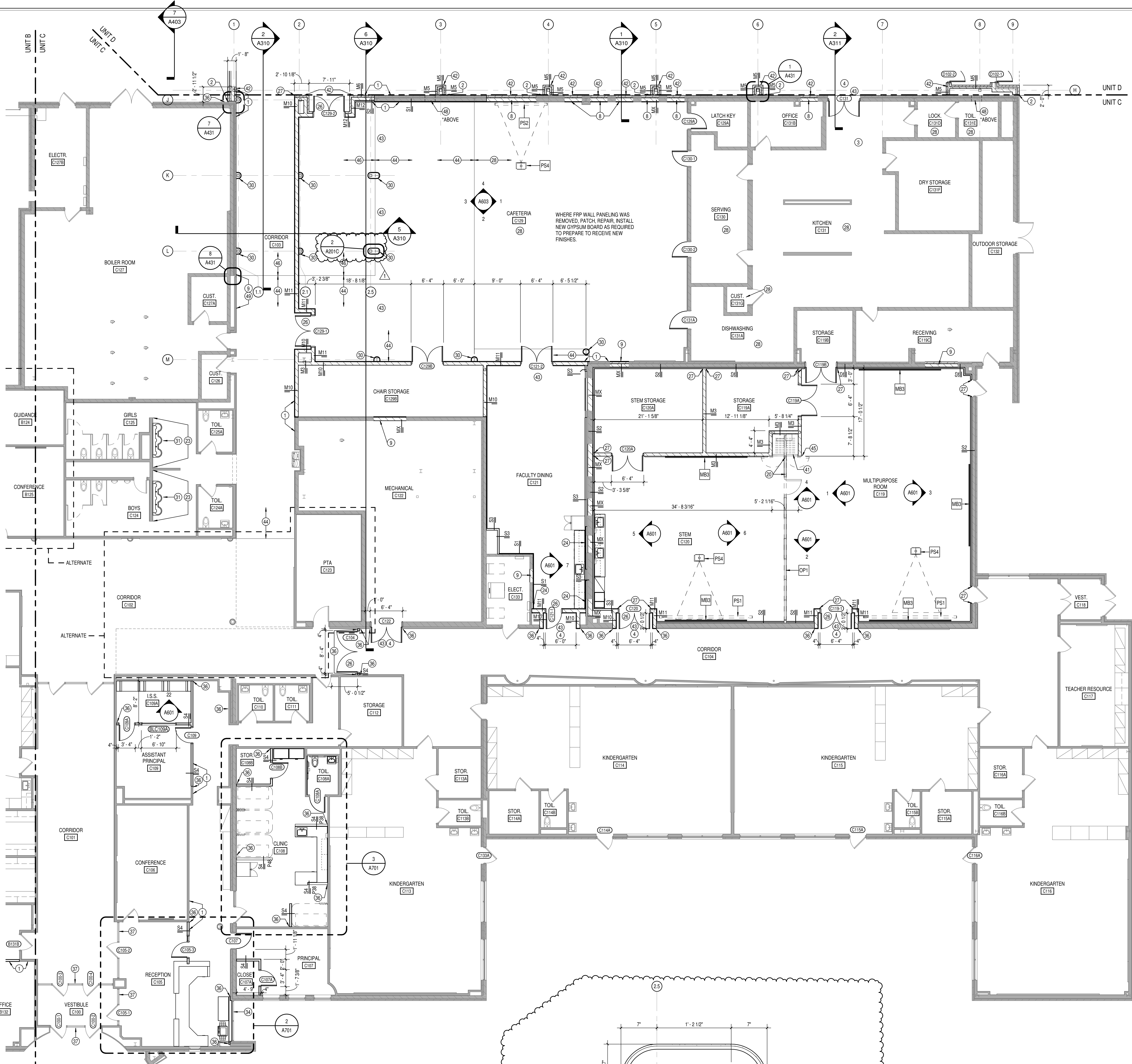
ISSUE DATE 09/19/22 DRAWN BY LNF, NTC CHECKED BY CAM

DRAWING TITLE:
FIRST FLOOR
PLAN - UNIT A

CERTIFIED BY:
JAMES ROBERT LUNK
REGISTERED
No
ARCHITECT
STATE OF
INDIANA
A201A

DRAWING NUMBER
A201A

PROJECT NUMBER
2021055

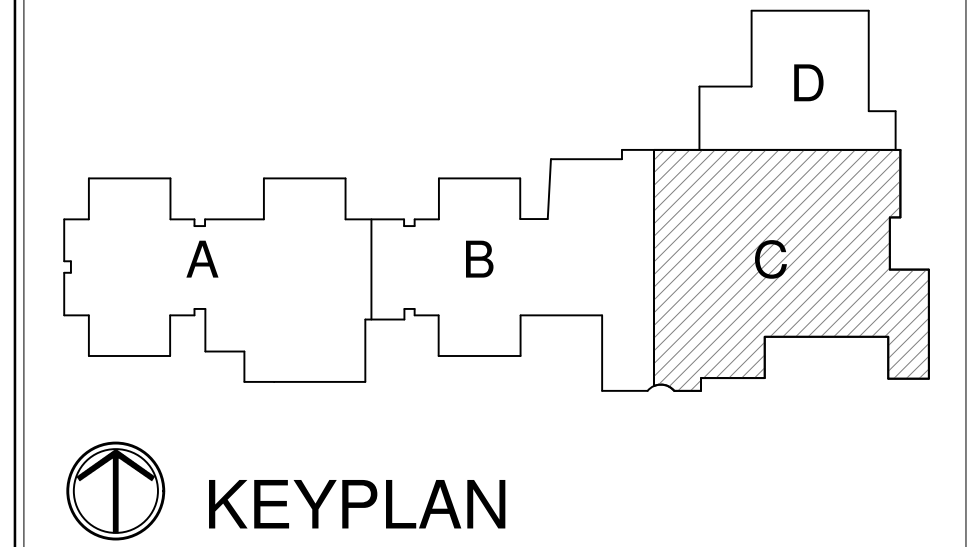


GENERAL NOTES

- COORDINATE THE WORK OF EACH TRADE WITH THE WORK OF OTHER TRADES.
- ALL WORK IS TO BE COMPLETED IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS AND STANDARDS INCLUDING, BUT NOT LIMITED TO THOSE LISTED ON THE COVER SHEET. ALL APPLICABLE RULES & REGULATIONS ARE TO BE THE MOST CURRENT ADAPTED EDITIONS.
- FIELD VERIFY EXISTING CONDITIONS AND DIMENSIONS PRIOR TO THE COMMENCEMENT OF WORK. DISCREPANCIES BETWEEN THE DOCUMENTS AND THE ACTUAL CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO THE COMMENCEMENT OF WORK.
- ALL DIMENSIONS ARE FROM CENTERLINE OF STRUCTURE. FINISH FACE OF WALL, FACE OF MASONRY, OR FACE OF EXISTING.
- ANY DIMENSIONS NOT SHOWN OR DEEMED QUESTIONABLE ARE TO BE VERIFIED BY ARCHITECT. DO NOT SCALE DRAWINGS.
- REFER TO WALL TYPE SCHEDULE, SHEET A200, TO DETERMINE WHICH WALLS EXTEND TO DECK. SEE STRUCTURAL FOR TOP SUPPORT DETAIL. WHERE METAL STUDS EXTEND TO DECK, PROVIDE SLIP CONNECTIONS FOR ROOF/FLOOR DEFLECTION.
- ALL STEEL STUDS ARE TO BE BRACED ACCORDING TO MANUFACTURER LIMIT HEIGHT (L240).
- WHERE INSULATED OR SOUND WALLS EXTEND TO DECK, FILL DECK FLUTES WITH INSULATION/SOUND ATTENUATION.
- REFER TO PLUMBING PLANS FOR LOCATION OF FLOOR DRAINS.
- WHERE ACCESS PANELS ARE SHOWN IN TOILET ROOM CHASES, FINAL LOCATION SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO INSTALLATION.
- ALL CONCRETE MASONRY UNITS (CMU) SHALL BE LAID RUNNING BOND UNLESS OTHERWISE NOTED.
- ALL INTERIOR MASONRY WALLS THAT RUN TO UNDERSIDE OF DECK ABOVE SHALL HAVE A 2" JOINT (U.N.O.) AT THE DECK TO BE FILLED WITH FIRE STOPPING AT RATED WALLS AND PROJECT MANUAL, AND MINERAL WOOL AT THE NON-RATED WALLS TO ALLOW FOR DEFLECTION.
- THERE SHALL BE PERIMETER INSULATION CONTINUOUS AROUND THE ENTIRE PERIMETER OF THE BUILDING EXTENDING 2'-0" MINIMUM (R-15 MIN.) HORIZONTAL.
- PROVIDE MISCELLANEOUS SUPPORT FOR ALL CEILING SUSPENDED ITEMS. DOOR AND FRAME NUMBERS CORRESPOND TO ROOM NUMBERS. WHERE MORE THAN ONE DOOR OCCURS IN A ROOM, A SUFFIX HAS BEEN ADDED (E.G. A100-1). SEE A200 SERIES DRAWINGS FOR DOOR SCHEDULE AND DETAILS.
- ALL DOOR FRAMES SHALL BE LOCATED 4" OFF FINISH WALLS OR 4" OFF MASONRY WALLS UNLESS NOTED OTHERWISE.
- ALL GLASS AT INTERIOR DOOR FRAMES, DOOR LITES AND WINDOW FRAMES IS TO BE 1/4" CLEAR TEMPERED GLASS UNLESS NOTED OTHERWISE.
- AT BUILDING EXPANSION JOINTS, ALL PARTITIONS, CEILINGS, FLOORS AND ALL WALL, FLOOR OR CEILING MOUNTED ITEMS SHALL BE ANCHORED TO THE BUILDING STRUCTURE ON ONLY ONE SIDE OF THE EXPANSION JOINTS. CONTRACTOR SHALL COORDINATE CONSTRUCTION OR INSTALLATION OF ALL ITEMS NOTED TO ASSURE THAT NO SUCH ITEMS BRIDGE ACROSS THE EXPANSION JOINT.
- ALL SLAB-ON-GRADE CONTROL JOINTS TO BE CLEANED AND CAULKED PRIOR TO PLACEMENT OF FLOOR FINISH.
- SEE REFLECTED CEILING PLANS FOR BULKHEAD LOCATIONS, SIZES AND QUANTITIES.
- SEE A200 SERIES DRAWINGS FOR FINISH SCHEDULE AND PLANS.
- SEE A200 SERIES DRAWINGS FOR EQUIPMENT SCHEDULE AND PLANS. PROVIDE BLOCKING IN STUD WALLS AND/OR GROUTED MASONRY CORES AS REQUIRED TO SUPPORT EQUIPMENT.
- PROVIDE FIRE RESISTANT TREATED WOOD BLOCKING SUPPORTS AS REQUIRED FOR ALL SURFACE MOUNTED ITEMS.
- WHERE DISSIMILAR FLOOR MATERIALS MEET, THEY SHALL DO SO UNDER THE CENTERLINE OF THE DOOR UNLESS NOTED OTHERWISE.
- APPLY SEALANT AT ALL JUNCTURES BETWEEN DIFFERENT MATERIALS (E.G. MASONRY TO GYPSUM WALL BOARD UTILIZING THE APPROPRIATE TYPE PER SPECIFICATIONS. COLOR TO BE SELECTED BY ARCHITECT).
- APPLY SEALANT AT ALL COUNTERTOPS AND BACKSPLASHES AT JUNCTURE WITH WALL AND BETWEEN ALL DISSIMILAR MATERIALS. TYPICAL.
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PROJECT: MSD OF WARREN TOWNSHIP
ADDITIONS AND RENOVATIONS TO
EASTRIDGE ELEMENTARY
SCHOOL
10930 E 10TH ST, INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. The drawings are not intended to be a substitute for the design of structural, mechanical and electrical systems. The drawings are not intended to be a substitute for the design of the project. The drawings are not intended to be a substitute for the design of the project. The drawings are not intended to be a substitute for the design of the project.

REVISIONS:
1 ADDENDUM #1 10-14-22

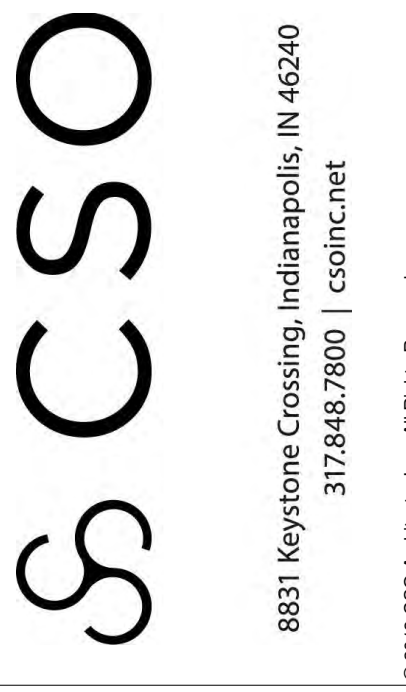
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PLAN - UNIT C

CERTIFIED BY:
JAMES ROBERT TUNK
No
AR00900003
STATE OF
INDIANA
ARCHITECT
JRT

DRAWING NUMBER
A201C

PROJECT NUMBER
2021055



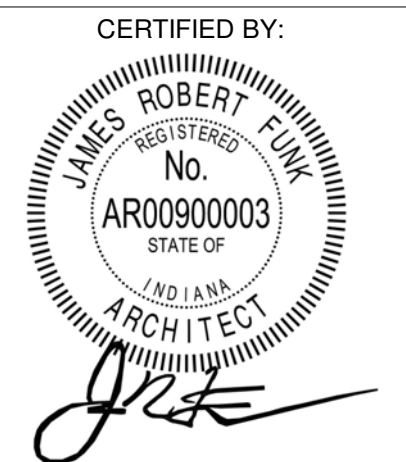
MSD OF WARREN TOWNSHIP
ADDITIONS AND RENOVATIONS TO
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10930 E 40TH ST, INDIANAPOLIS, IN, 46229

SCOPE DRAWINGS:
These drawings indicate the general scope of the project, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.
The drawings do not necessarily indicate or describe all items required for full performance and completion of the work under the terms of the Contract.
On the basis of the general scope indicated or described, the contractor shall furnish all items required for the proper execution and completion of the work.

ADDENDUM #1 10-14-22

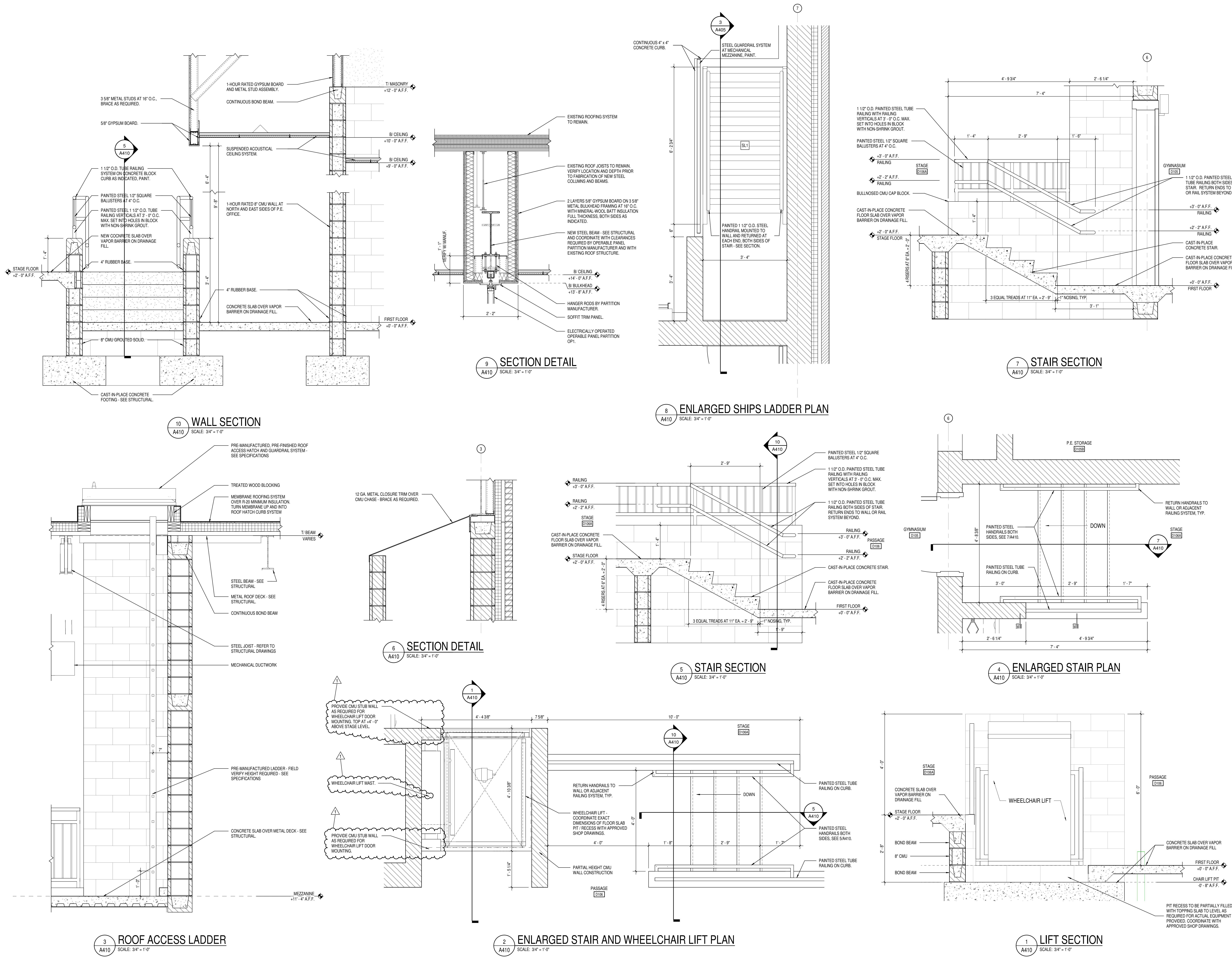
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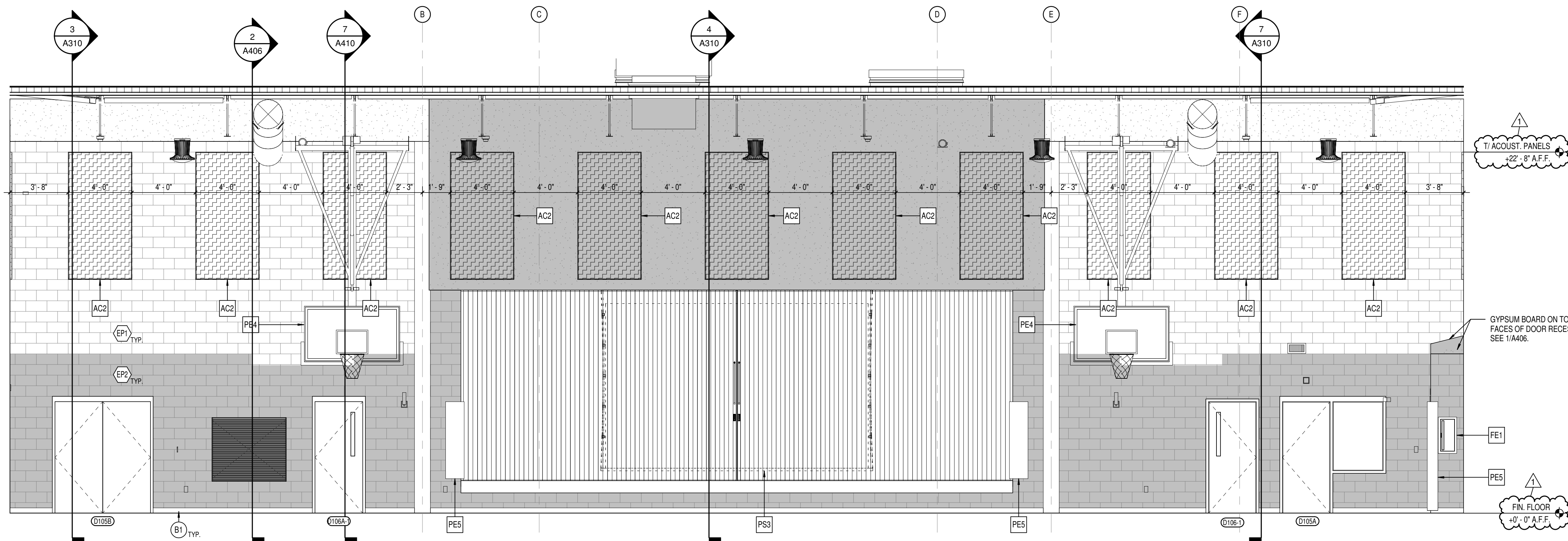
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VERTICAL
CIRCULATION
SECTIONS AND
DETAILS



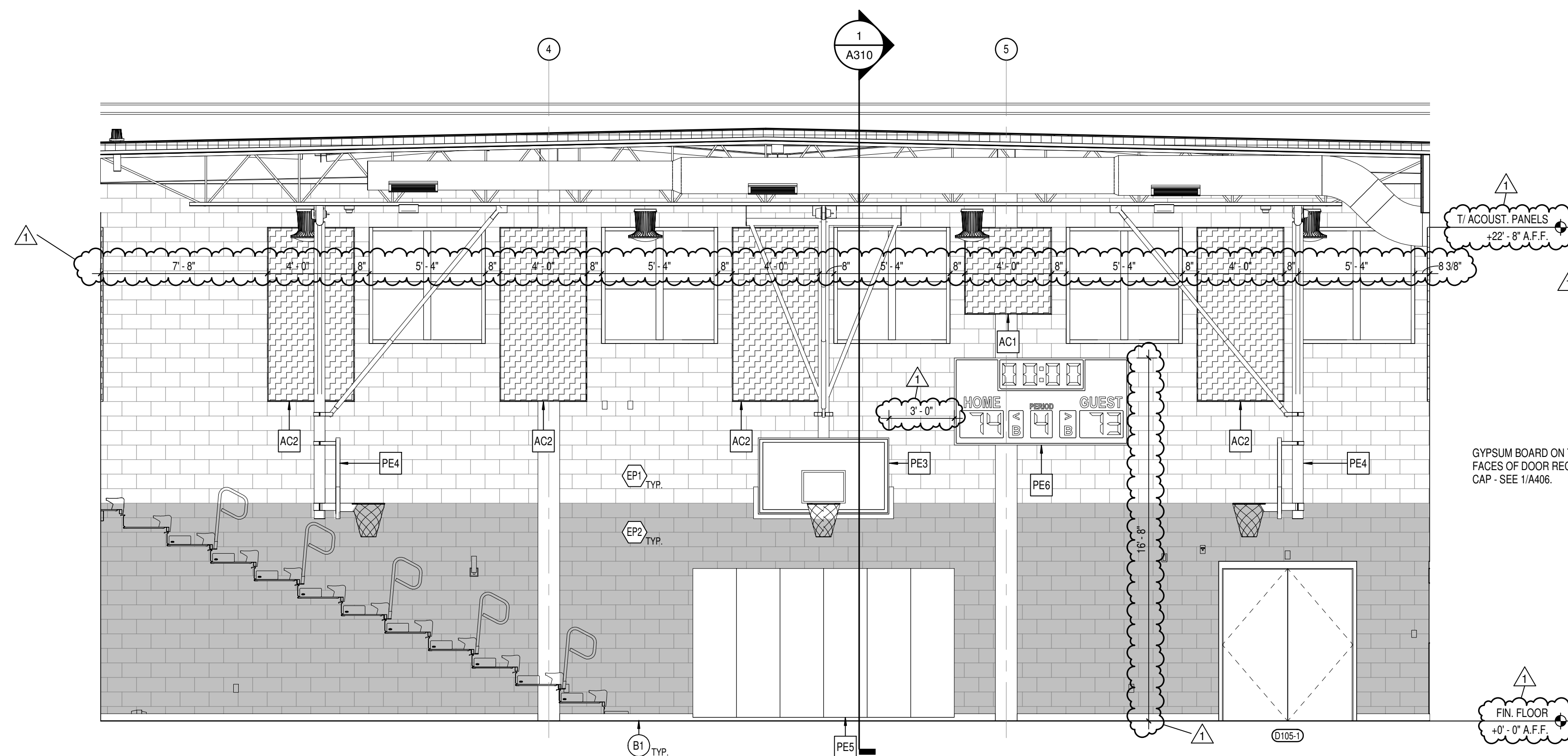
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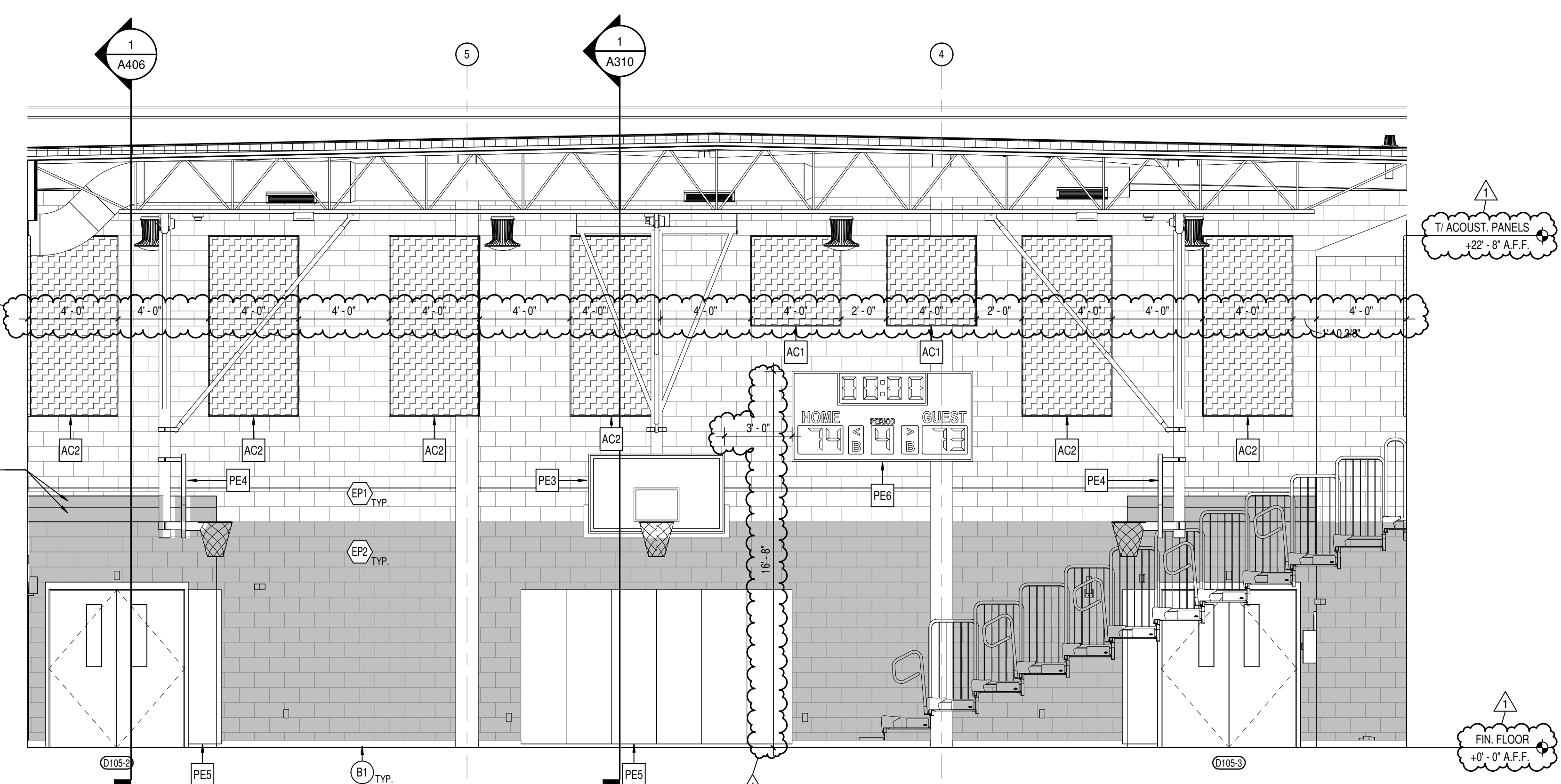




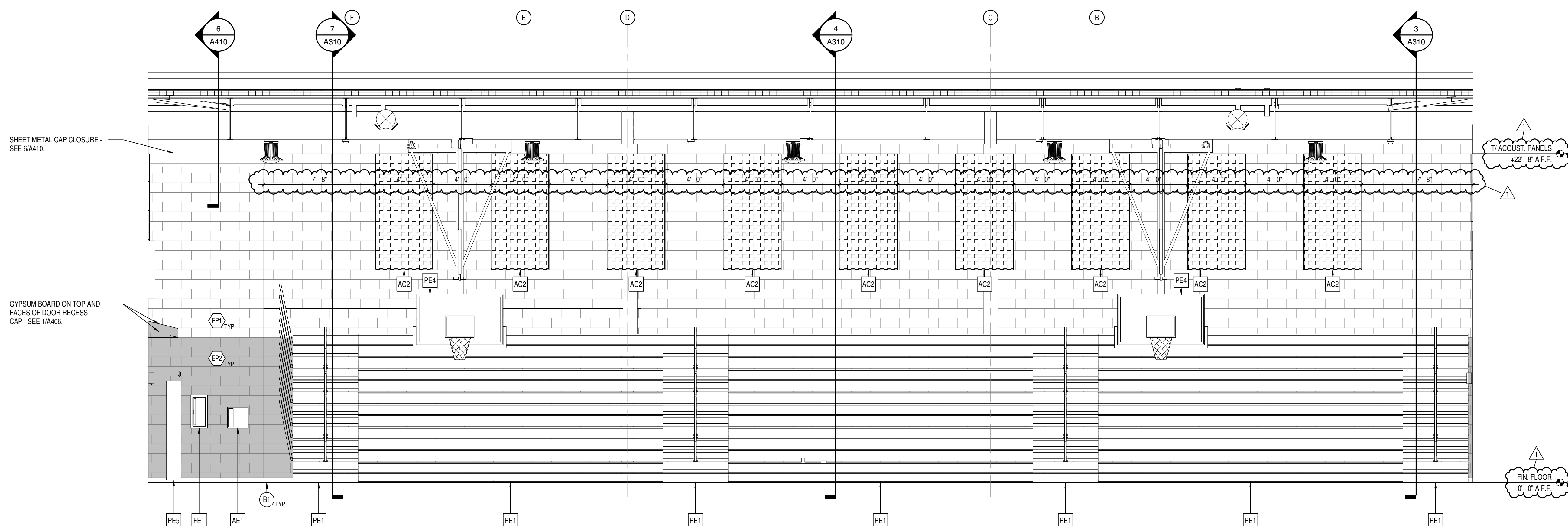
1 EAST GYM INTERIOR ELEVATION
A602 SCALE: 1/4" = 1'-0"



2 NORTH GYM INTERIOR ELEVATION
A602 SCALE: 1/4" = 1'-0"



4 SOUTH GYM INTERIOR ELEVATION
A602 SCALE: 1/4" = 1'-0"



3 WEST GYM INTERIOR ELEVATION
A602 SCALE: 1/4" = 1'-0"



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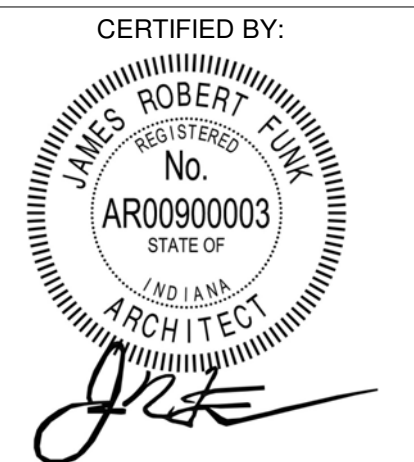
PROJECT:
MSD OF WARREN TOWNSHIP
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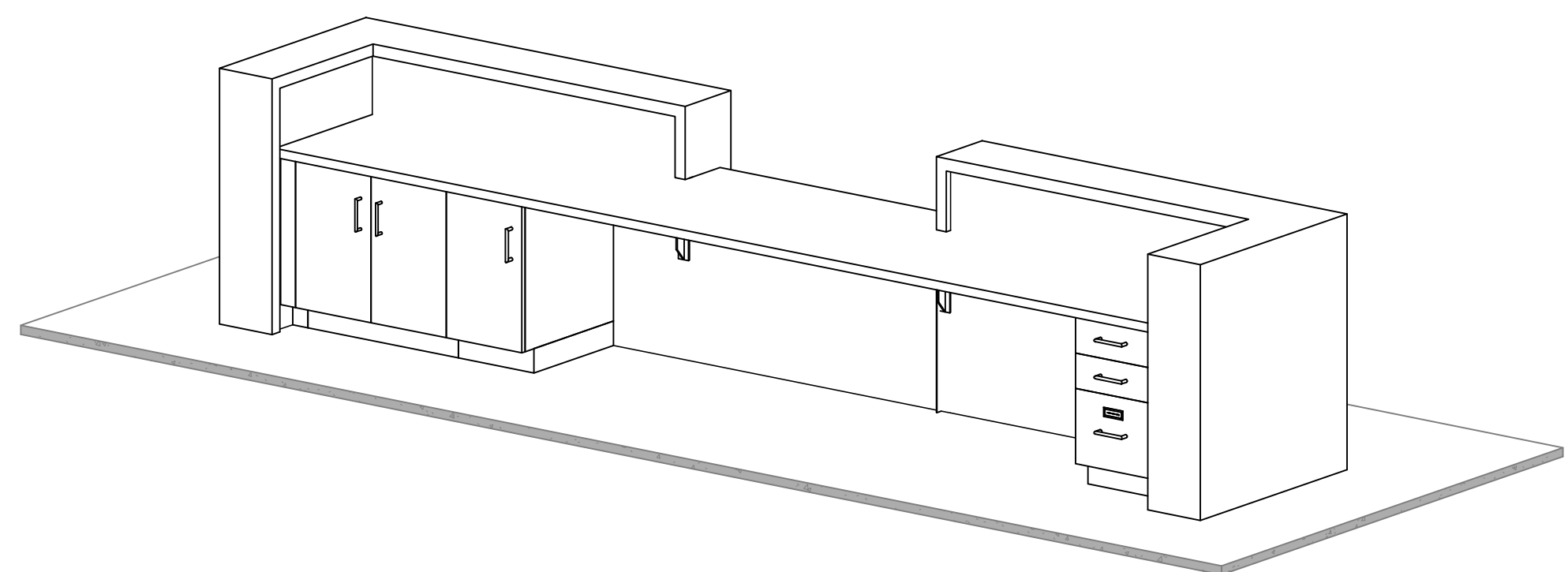
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CHECKED BY CAM

DRAWING TITLE:
GYM INTERIOR
ELEVATIONS

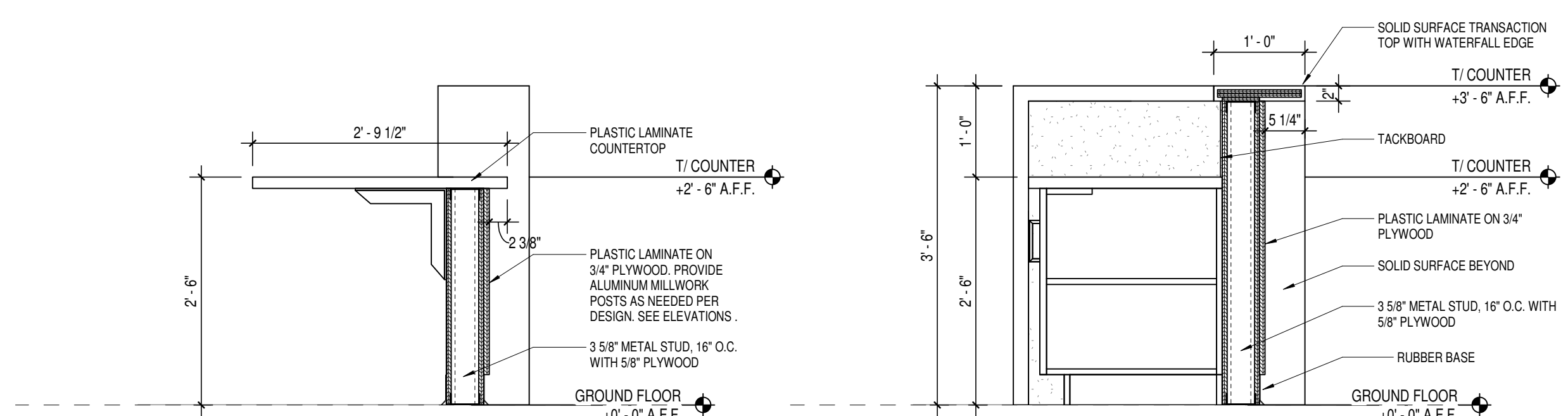


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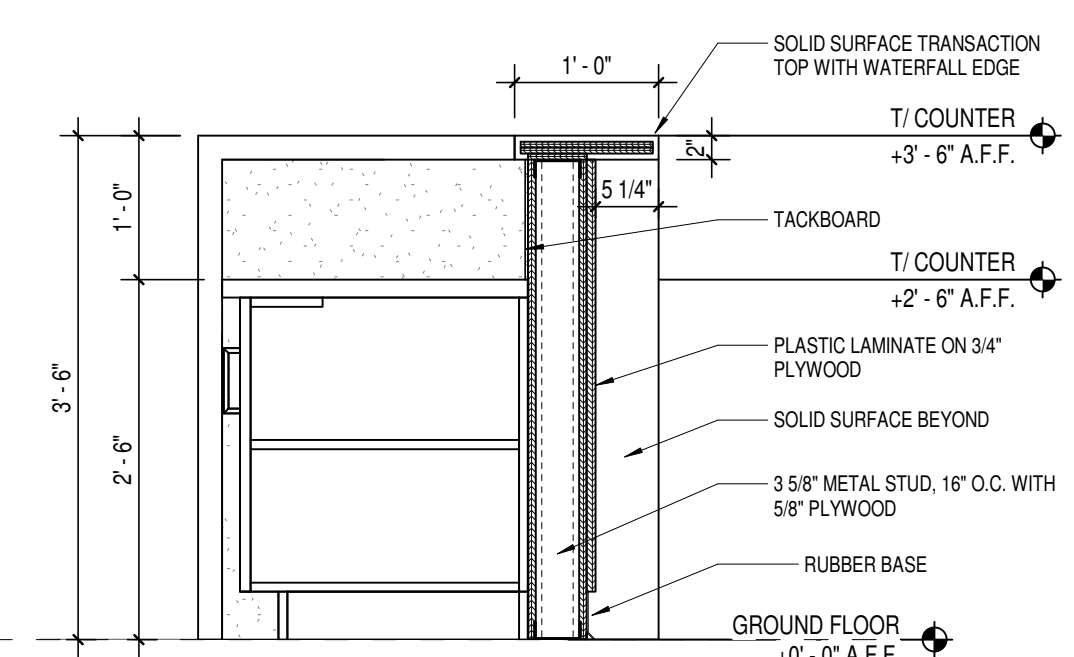
PROJECT NUMBER
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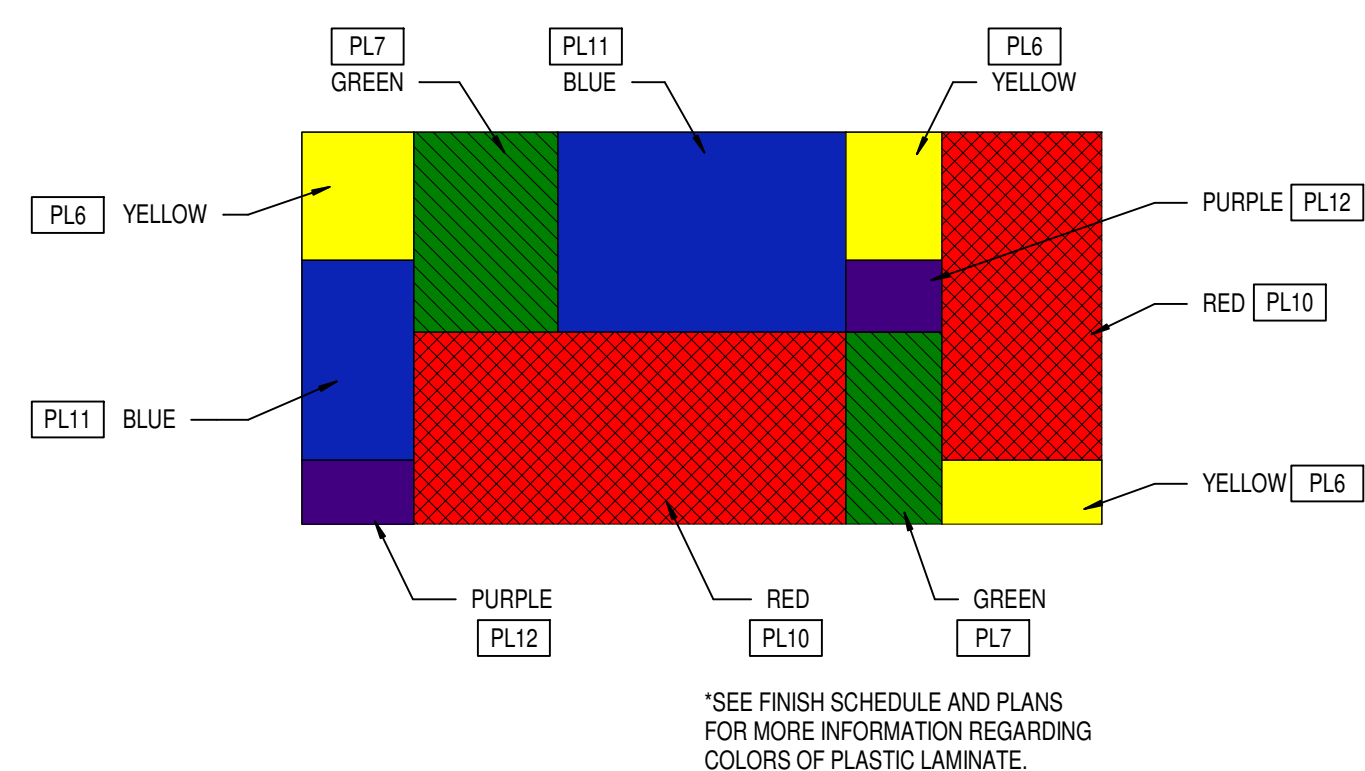
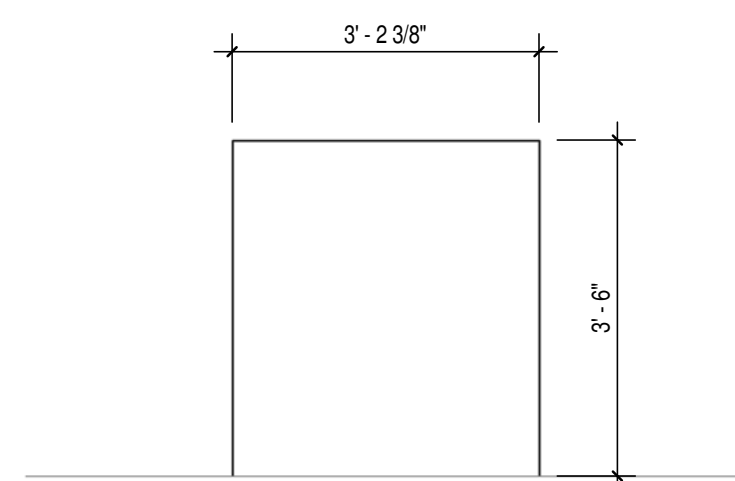
12 3D AXONOMETRIC VIEW - BACK
A603 SCALE:



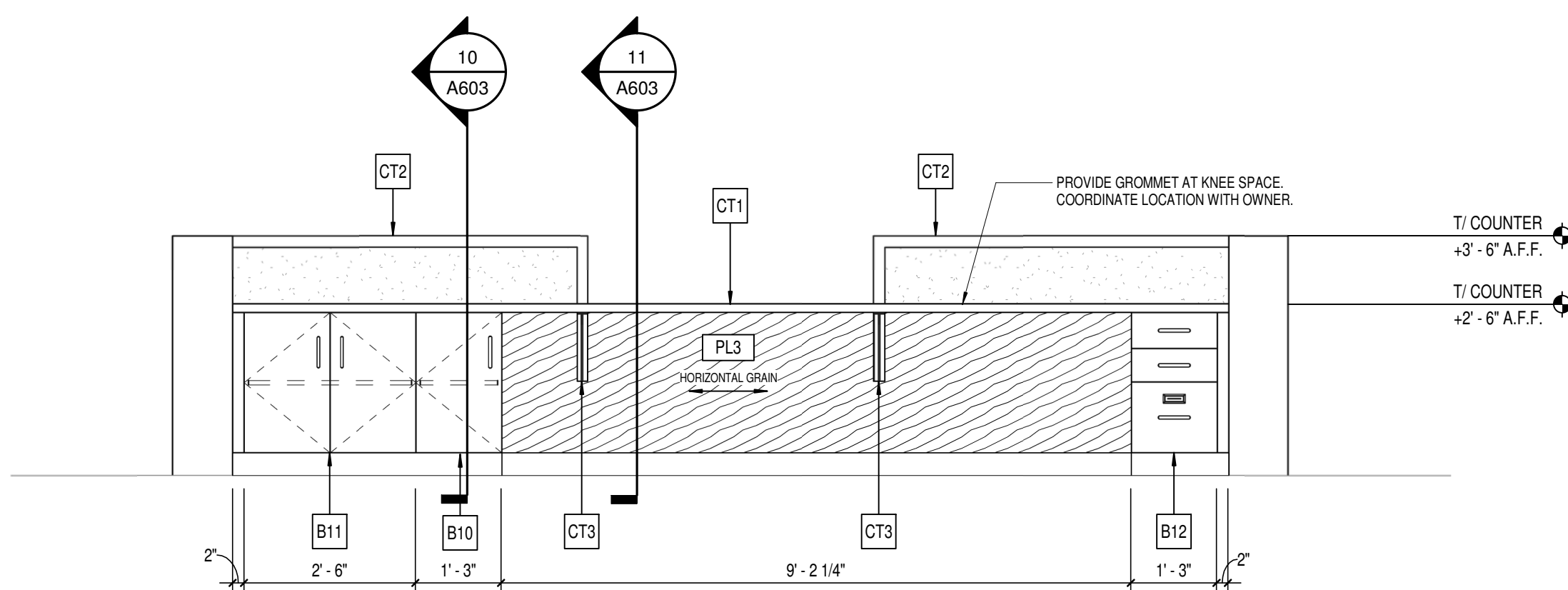
11 SECTION DETAIL
A603 SCALE: 3/4" = 1'-0"



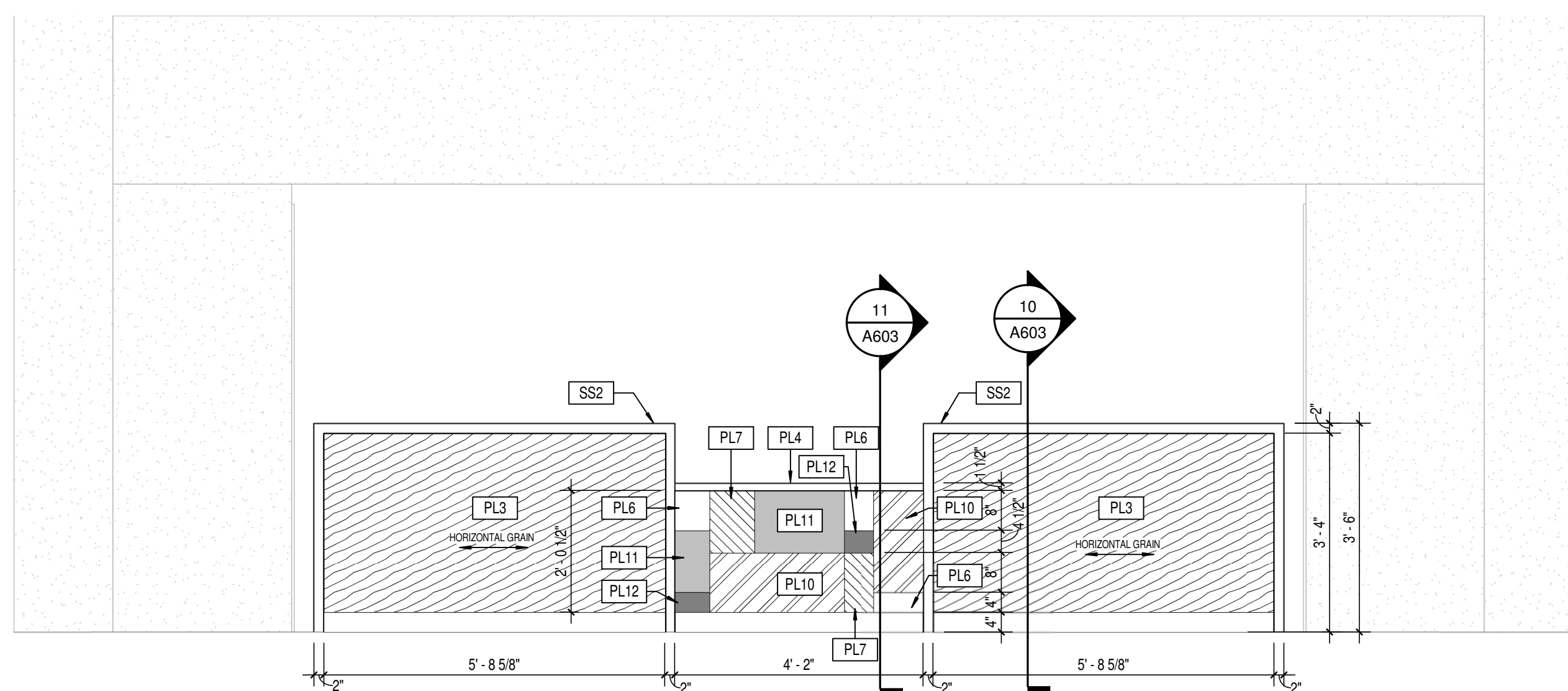
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A603 SCALE: 3/4" = 1'-0"



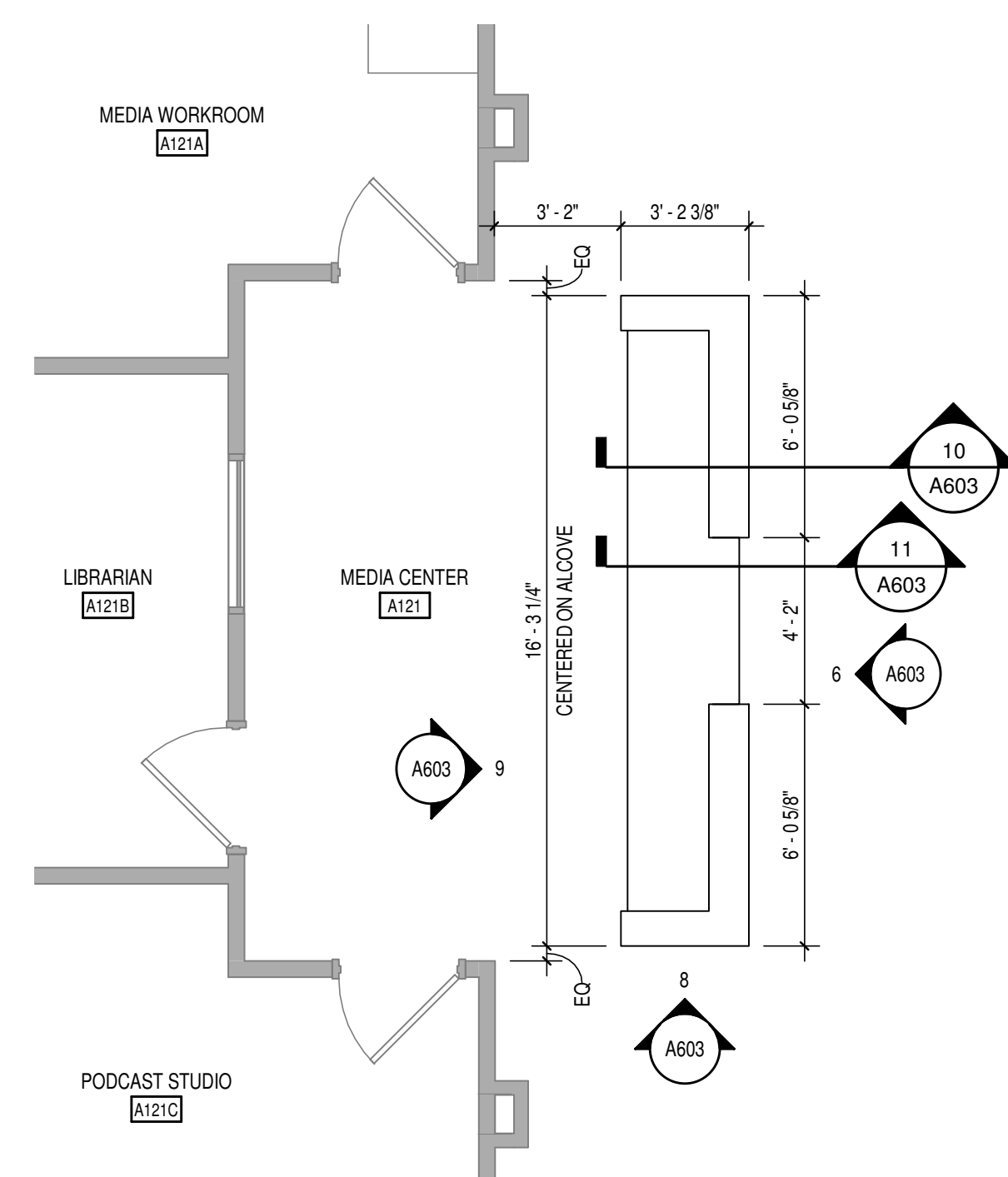
*SEE FINISH SCHEDULE AND PLANS FOR MORE INFORMATION REGARDING COLORS OF PLASTIC LAMINATE.



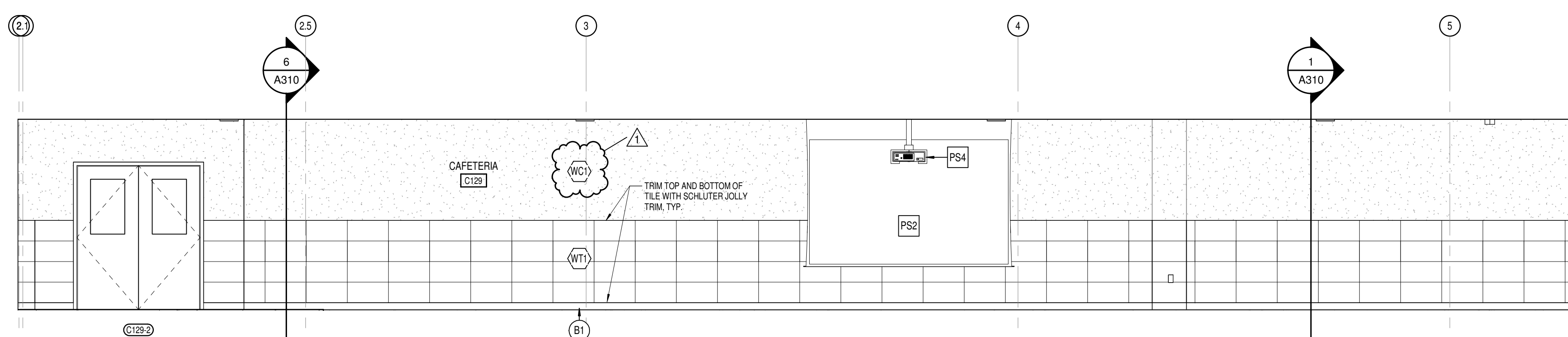
9 MEDIA RECEPTION DESK WEST ELEVATION
A603 SCALE: 1/2" = 1'-0"



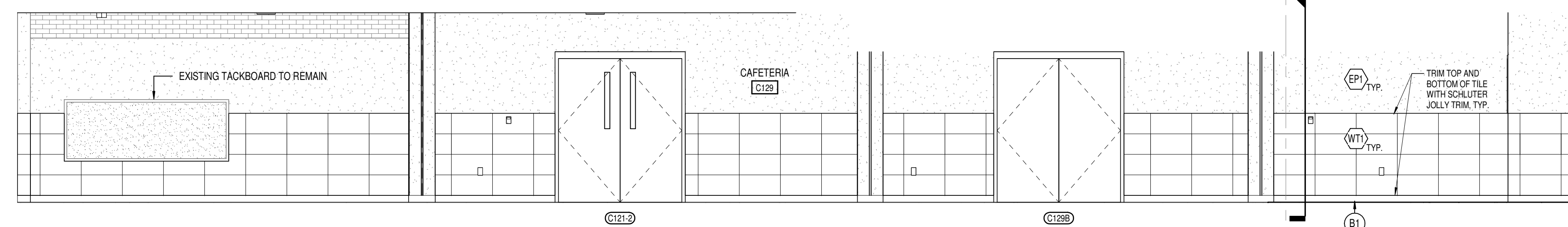
6 MEDIA RECEPTION DESK EAST ELEVATION
A603 SCALE: 1/2" = 1'-0"



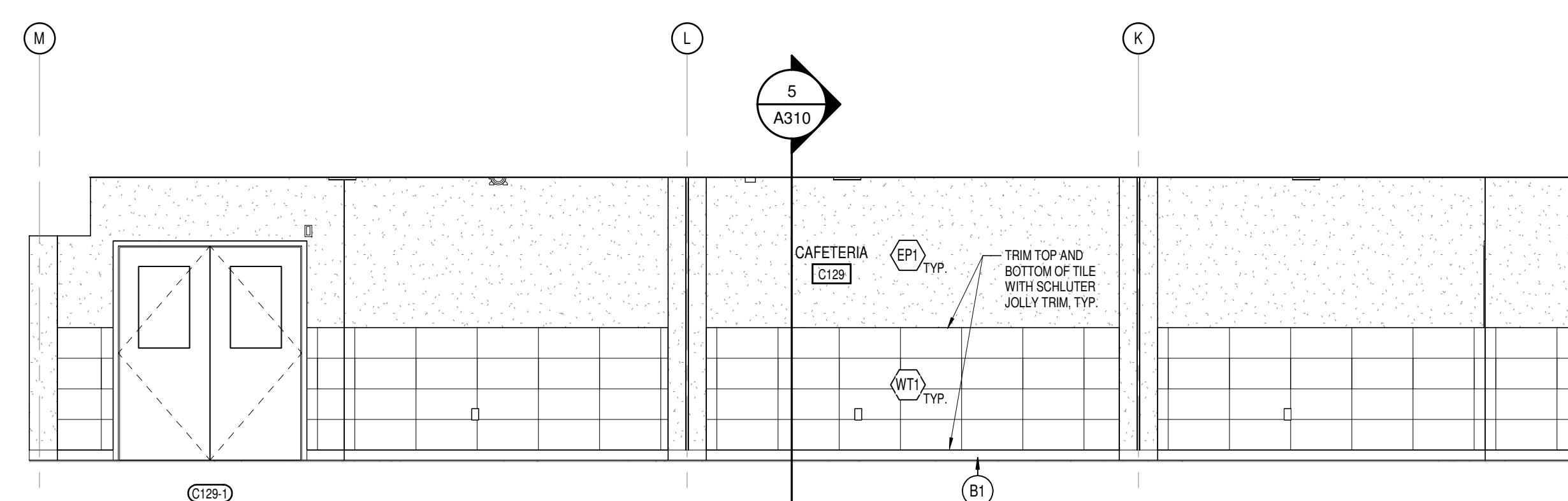
5 ENLARGED MEDIA RECEPTION DESK
A603 SCALE: 1/4" = 1'-0"



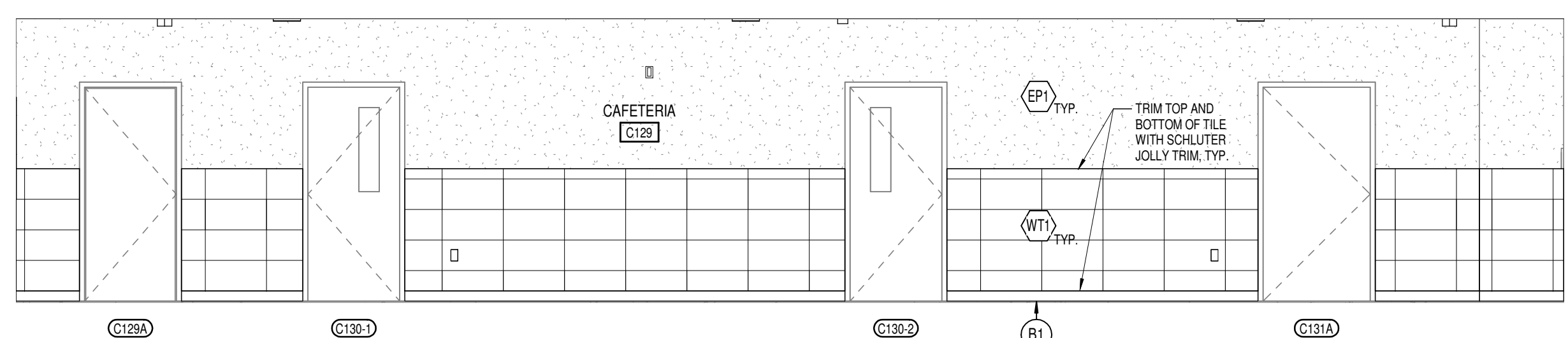
4 CAFETERIA NORTH ELEVATION
A603 SCALE: 1/4" = 1'-0"



2 CAFETERIA SOUTH ELEVATION
A603 SCALE: 1/4" = 1'-0"



3 CAFETERIA WEST ELEVATION
A603 SCALE: 1/4" = 1'-0"



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A603 SCALE: 1/4" = 1'-0"



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REVISIONS:
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ISSUE DATE 09/19/22
DRAWN BY LNF, NTC
CHECKED BY CAM

DRAWING TITLE:
CAFETERIA AND
MEDIA CENTER
INTERIOR
ELEVATIONS
AND DETAILS

CERTIFIED BY:
ROBERT J. LUK
No. AR00900003
STATE OF INDIANA
ARCHITECT
J. L. Luk

DRAWING NUMBER
A603

PROJECT NUMBER
2021055

FINISH LEGEND

FLOOR FINISHES

(ETR) EXISTING TO REMAIN

(SC) SEALED CONCRETE

WALK-OFF CARPET

(WOC)
MFR: MILLIKEN
STYLE: OBEY TILE CUT/PIZZ
COLOR: F2227-173 GREY
SIZE: 50CM X 50 CM
MONOLITHIC
INSTALL: VESTIBULES

CARPET TILE

(C1)
MFR: MOHAWK GROUP
COLLECTION: MIND OVER MATTER
STYLE: FORWARD VISION GT135
COLOR: 589 CREATIVITY
SIZE: 24" X 24"
QUARTER TURN
LOCATION: CLASSROOMS AND ACTIVITY AREAS

(C2)
MFR: MOHAWK GROUP
COLLECTION: MIND OVER MATTER
STYLE: BRAIN POWER GT136
COLOR: 589 CREATIVITY
SIZE: 24" X 24"
QUARTER TURN
LOCATION: OFFICES

(C3)
MFR: MOHAWK GROUP
COLLECTION: MIND OVER MATTER
STYLE: KNOW HOW GT137
COLOR: 589 CREATIVITY
SIZE: 24" X 24"
QUARTER TURN
LOCATION: MEDIA CENTER

BROADLOOM CARPET

(C4)
MFR: MOHAWK GROUP
COLLECTION: MIND OVER MATTER
STYLE: KNOW HOW GT137
COLOR: 589 CREATIVITY
SIZE: 24" X 24"
QUARTER TURN
LOCATION: MEDIA CENTER

LUXURY VINYL TILE

(LVT1)
MFR: MANNINGTON COMMERCIAL
COLLECTION: COLOR ANCHOR
STYLE: STRIDE
COLOR: 61333
SIZE: 12" X 12"
INSTALL: SEE ELEVATIONS 1A800
LOCATION: RESTROOMS AND DRINKING FOUNTAINS

LVT2

MFR: MILLIKEN
STYLE: WOOD
COLOR: RSC206 ROSECUFF CHERRY
SIZE: 7" X 48" PLANK
INSTALL: ASHLAR, DIRECTION OF INSTALL NOTED BY ARROW
LOCATION: PER PLAN

EPOXY RESINOUS FLOORING

(EF1)
MFR: TNEPEC
PRODUCT: FULL REJECTION, DOUBLE BROADCAST
COLOR: 589 ROCKY RIDGE
SIZE: 12" X 12"
INSTALL: SEE ELEVATIONS 1A800
LOCATION: RESTROOMS

TERRAZZO

(TZ1)
MFR: GENERAL POLYMERS
STYLE: THIN-SET VITRIFIED
FORMULA: TO MATCH EXISTING CHIPS, TO MATCH EXISTING CHIP COLORS, SIZES, AND PERCENTAGES
TERRAZZO: TO MATCH EXISTING
VITRIFIED
LOCATION: CAFETERIA
NOTE: ON SITE REVIEW FOR APPROVAL REQUIRED

TZ2

MFR: GENERAL POLYMERS
STYLE: THIN-SET VITRIFIED
FORMULA: TBD, BUDGET WITH 10% ONE SIDED MIRROR AND 10% MOTHER OF PEARL
VITRIFIED
LOCATION: CORRIDOR
NOTE: ON SITE REVIEW FOR APPROVAL REQUIRED

TZ3

MFR: GENERAL POLYMERS
STYLE: THIN-SET VITRIFIED
FORMULA: TBD, BUDGET WITH 10% ONE SIDED MIRROR AND 10% MOTHER OF PEARL
VITRIFIED
LOCATION: CORRIDOR
NOTE: ON SITE REVIEW FOR APPROVAL REQUIRED

ATHLETIC FLOORING

(AF1)
MFR: CONNOR SPORTS
STYLE: ELASTIPLUS
THICKNESS: 8MM BASE MAT (4MM + 2MM)
COLOR: SILVER MINE #7001
LOCATION: GYM FLOOR

RUBBER TREAD / RISER

(TR1)
MFR: TARKETT
STYLE: RUBBER TREAD WITH INTEGRATED RISER FOR THE VISUALLY IMPAIRED
TEXTURE: HAMMERED
COLOR: T68 MNK
RUBBER INSERT: 40 BLACK
LOCATION: STAIRS

RUBBER FLOOR

(RF1)
MFR: TARKETT
PATTERN: HAMMERED
COLOR: T68 MNK
LOCATION: STAIRS

WALL BASE

(B1)
MFR: TARKETT
STYLE: 4" COVE
COLOR: T68 MNK
LOCATION: GENERAL WALL BASE

B2

MFR: TARKETT
STYLE: 4 1/2" COVE
COLOR: T68 MNK
LOCATION: SEE PLANS

EPOXY BASE

(EB1)
MFR: TNEPEC
STYLE: 4" INTEGRAL COVE BASE
PRODUCT: SAME AS EF1
COLOR: SAME AS EF1
SIZE: SAME AS EF1
LOCATION: RESTROOMS

WALL FINISHES

PAIN

(P1)
MFR: SHERWIN WILLIAMS
COLOR: SW688 PACER WHITE
NOTE: GENERAL PAINT

P2

MFR: SHERWIN WILLIAMS
COLOR: SW7017 DORIAN GRAY
NOTE: NEUTRAL ACCENT

P3

MFR: SHERWIN WILLIAMS
COLOR: SW7007 CEILING BRIGHT WHITE
NOTE: CEILINGS & EXPOSED DECK

P4

MFR: SHERWIN WILLIAMS
COLOR: TBD - BLACK
NOTE: REFERENCE KEYED FINISH NOTE F4

EPOXY PAINT

(EP1)
MFR: SHERWIN WILLIAMS
COLOR: SW688 PACER WHITE
NOTE: -

EP2

MFR: SHERWIN WILLIAMS
COLOR: SW7017 DORIAN GRAY
NOTE: -

WALL TILE

(WT1)
MFR: ATLAS CONCORDE
STYLE: FRAY
COLOR: TAUPÉ
SIZE: 12" X 24"
INSTALL: STACK BOND
LOCATION: FIELD TILE

WT2

MFR: DALTE
STYLE: NATURAL HUES
COLOR: KIRSH QH14 (RED)
SIZE: 3" X 6"
INSTALL: SEE ELEVATIONS 1A800
LOCATION: RESTROOMS AND DRINKING FOUNTAINS

WT3

MFR: DALTE
STYLE: NATURAL HUES
COLOR: SPRING GREEN QH29 (GREEN)
SIZE: 3" X 6"
INSTALL: SEE ELEVATIONS 1A800
LOCATION: RESTROOMS AND DRINKING FOUNTAINS

WT4

MFR: DALTE
STYLE: NATURAL HUES
COLOR: GRAPE QH54 (PURPLE)
SIZE: 3" X 6"
INSTALL: SEE ELEVATIONS 1A800
LOCATION: RESTROOMS AND DRINKING FOUNTAINS

WT5

MFR: DALTE
STYLE: NATURAL HUES
COLOR: TBD - NEUTRAL
SIZE: 3" X 6"
INSTALL: SEE ELEVATIONS 1A800
LOCATION: DRINKING FOUNTAINS

WT6

MFR: DALTE
STYLE: CLASSIC COLOR WHEEL
COLOR: MATTE ALMOND X735
SIZE: 4x4
INSTALL: STACK BOND
LOCATION: TRIM OUTSIDE CORNERS/EDGES WITH SCHLUTER

WALL COVERING

(WC)
MFR: LEVEL
STYLE: SERENITY
COLOR: L12-1006
SUBSTRATE: TYPE II VINYL STIPPLE W/ WALLMAX COATING
LOCATION: CAFETERIA
NOTE: -

CASEWORK AND COUNTERTOPS

(ETR) EXISTING TO REMAIN

PLASTIC LAMINATE

(PL1)
MFR: WILSONART
COLOR: 4843-60 MISTED ZEPHYR
FINISH: MATTE
LOCATION: COUNTERTOPS WITH PL2

PL2

MFR: FORMICA
COLOR: 9285-58 WHITE TWILL
FINISH: MATTE
LOCATION: CLASSROOM CASEWORK

PL3

MFR: NEVAMAR
COLOR: W22001-T SANTA ROSA PLUM TREE
FINISH: ARP
LOCATION: RECEPTION AND MISC. CASEWORK

PL4

MFR: WILSONART
COLOR: 4947-38 RAW COTTON
FINISH: FINE VELVET
LOCATION: COUNTERTOPS WITH PL3

PL5

MFR: NEVAMAR
COLOR: S1015-T BURGUNDY (RED)
FINISH: ARP
LOCATION: RECEPTION ACCENT

PL6

MFR: NEVAMAR
COLOR: S4827-T SUNRAY (YELLOW)
FINISH: ARP
LOCATION: RECEPTION AND MEDIA CENTER ACCENT

PL7

MFR: PIONITE
COLOR: SV750-SD FRESH CUT GRASS (GREEN)
FINISH: TEXTURED SUEDE
LOCATION: RECEPTION AND MEDIA CENTER ACCENT

PL8

MFR: WILSONART
COLOR: D379-50 INDIGO (BLUE)
FINISH: MATTE
LOCATION: RECEPTION ACCENT

PL9

MFR: NEVAMAR
COLOR: S3855-T VIOLENE (PURPLE)
FINISH: ARP
LOCATION: RECEPTION ACCENT

PL10

MFR: WILSONART
COLOR: HOLLYBERRY D307-60 (RED)
FINISH: MATTE
LOCATION: MEDIA CENTER ACCENT

PL11

MFR: FORMICA
COLOR: 00851-58 SPECTRUM BLUE (BLUE)
FINISH: MATTE
LOCATION: MEDIA CENTER ACCENT

PL12

MFR: PIONITE
COLOR: SP414-SD TUTTI FRUTTI
FINISH: TEXTURED SUEDE
LOCATION: MEDIA CENTER ACCENT

SOLID SURFACE

(SS1)
MFR: CORIAN
COLOR: DOVE
LOCATION: COUNTER TOPS WITH SINKS (WITH PL2)

SS2

MFR: CORIAN
COLOR: ASH AGGREGATE
LOCATION: RECEPTION DESK, SINK COUNTERS (WITH PL3) AND MISC.

MISCELLANEOUS

TACK SURFACE

(TS1)
MFR: FORBO
COLOR: 2206 OYSTER SHELL
LOCATION: -
NOTE: -

WALL COVERING

(WC)
MFR: LEVEL
STYLE: SERENITY
COLOR: L12-1006
SUBSTRATE: TYPE II VINYL STIPPLE W/ WALLMAX COATING
LOCATION: CAFETERIA
NOTE: -

WALL COVERING

(WC)
MFR: LEVEL
STYLE: SERENITY
COLOR: L12-1006
SUBSTRATE: TYPE II VINYL STIPPLE W/ WALLMAX COATING
LOCATION: CAFETERIA
NOTE: -

WALL COVERING

(WC)
MFR: LEVEL
STYLE: SERENITY
COLOR: L12-1006
SUBSTRATE: TYPE II VINYL STIPPLE W/ WALLMAX COATING
LOCATION: CAFETERIA
NOTE: -

TYP. BOYS RESTROOM TILE PATTERN

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

TYP. GIRLS RESTROOM TILE PATTERN

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

DRINKING FOUNTAIN WALL TILE

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

GENERAL FINISH NOTES

- ANY DISCREPANCIES WITHIN THE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF CSO ARCHITECTS PRIOR TO INSTALLATION. THESE DOCUMENTS WILL GOVERN OVER PREVIOUS SUPPLEMENTAL DRAWINGS.
- THE SCHEDULED MATERIALS SHALL NOT BE INSTALLED BEFORE THE CONTRACTORS ACTUAL COLOR SUBMITTALS HAVE BEEN APPROVED, AS CALLED FOR IN THE SPECIFICATIONS. IF ANY MATERIAL IS INSTALLED BEFORE APPROVAL, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL ERRONEOUS SPECIFICATIONS.
- ALL SURFACES RECEIVING FINISHES SHALL BE PROPERLY PREPARED PER MANUFACTURERS SPECIFICATIONS PRIOR TO INSTALLATION.
- WHERE DEMOLITION OCCURS, SURFACE IS TO BE PROPERLY PATCHED AND REPAIRED TO MATCH SURROUNDING SURFACES BEFORE FINISH IS APPLIED.
- CONTRACTOR RESPONSIBLE FOR PROTECTING ALL FINISHES EXISTING TO REMAIN DURING CONSTRUCTION PROCESS. ALL SURFACES TO REMAIN SHALL BE PROPERLY CLEANED.
- FOR CHANGE IN FLOOR FINISH MATERIAL, PROVIDE TRANSITION STRIP AT DOOR U.N.O. ALL TRANSITIONS TO BE MINIMUM WIDTH POSSIBLE TO MEET CODE. G.C. IS TO SUBMIT COLOR SAMPLES OF RUBBER TRANSITION STRIPS TO ARCHITECT/DESIGNER FOR APPROVAL AND SELECTION OF COLOR.
- WHEN FLOOR FINISHES TRANSITION AT DOOR OPENING THE TRANSITION IS TO BE ON CENTER OF THE DOOR U.N.O.
- DIRECTIONAL ARROWS ON PLAN INDICATE DIRECTION OF FLOORING INSTALL.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL FLOOR AND TILE PATTERNS PRIOR TO INSTALLATION FOR ARCHITECT/DESIGNER APPROVAL.
- SEE INTERIOR PAINT SPECIFICATIONS FOR SCHEDULE OF COATING TYPE PER SUBSTRATE.
- PAIN WALLS BEFORE INSTALLING MARKER BOARDS, TACKBOARDS, OR OTHER WALL MOUNTED EQUIPMENT.
- ALL OUTSIDE GYPSUM BOARD CORNERS ARE TO RECEIVE SURFACE MOUNTED CORNER GUARDS AND EXTEND FROM TOP OF WALL BASE TO 7'-0" A.F.F., UNLESS OTHERWISE NOTED. COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL WALL MOUNTED GRILLES, METAL PANELS, MISC. METALS, ETC. ARE TO BE PAINTED TO MATCH THE ADJACENT WALL FINISH U.N.O.
- ALL INTERIOR HOLLOW METALS DOORS & FRAMES IN SCOPE ARE TO BE PAINTED TO MATCH THE ADJACENT WALL PAINT OR P1. ALL NEW EXTERIOR HOLLOW METAL DOORS ARE TO BE PAINTED TO MATCH EXISTING HOLLOW METAL DOORS.
- WHERE WALL TILE OCCURS, ALL OUTSIDE CORNERS OR VERTICAL EDGE OF WALL ARE TO BE TRIMMED WITH SCHLUTER QUADRO IN BRUSHED STAINLESS STEEL FINISH. SCHLUTER JOLLY TRIM IN BRUSHED STAINLESS STEEL FINISH TO BE UTILIZED AT BOTTOM OF TILE AND TOP OF BASE.
- WALL TILE TO BE STACK BOND INSTALLATION. FULL TILE START ON CENTER OF EACH WALL.
- WALL TILE TO BE INSTALLED WITH THE MINIMUM RECOMMENDED GROUT THICKNESS PER TILE MANUFACTURER. GROUT COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL GWS CEILINGS TO BE PAINTED P3, CEILING BRIGHT WHITE, U.N.O. FACE OF SOFFITS/BULKHEADS TO BE PAINTED TO MATCH ADJACENT WALLS, U.N.O.
- ALL EXPOSED CEILINGS AND DECKS TO BE PAINTED P3, CEILING BRIGHT WHITE, U.N.O. SEE SPECS FOR ADDITIONAL INFORMATION.
- ALL COLUMNS TO BE PAINTED TO MATCH ADJACENT WALLS, U.N.O.
- ALL MARKERBOARDS TO BE LOW GLOSS WHITE.
- OPERABLE PARTITION FINISH TO BE SELECTED FROM MFR'S FULL RANGE.
- CUBICLE CURTAINS TO BE SELECTED FROM MFR'S FULL RANGE.
- WHERE EPOXY RESINOUS FLOORING OCCURS, COORDINATING EPOXY BASE TO EXTEND UP TOE OF CASEWORK WHERE APPLICABLE.
- WALL PADDING COLOR TO BE P2 OR SELECTED FROM MANUFACTURERS FULL RANGE.
- FRP PANELS TO BE INSTALLED TO MEET CODE AT ALL CUSTODIAL SINK LOCATIONS. LENGTH AS NECESSARY, MIN OF 2'-0" BEYOND EXTENTS OF SINKS. FRP TO START AT TOP OF BASE AND RUN 1/2" FULL PANEL WIDTH (4'-0"). COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL NEW WINDOW STOOLS ARE TO BE SS2.
- GYM PADDING AND EQUIPMENT COLORS TO BE SELECTED FROM MANUFACTURERS FULL RANGE.
- ACOUSTICAL STAGE CURTAIN TO BE SELECTED FROM MANUFACTURERS FULL RANGE.

KEYED FINISH PLAN NOTES

- NO WORK THIS AREA, UNLESS NOTED OTHERWISE
- PAINT EP1 ABOVE EXISTING TILE
- EXPOSED STRUCTURE AND DECK TO BE PAINTED WHITE P3
- EXPOSED STRUCTURE AND DECK TO BE PAINTED BLACK, P4
- NOTE: -
- ALONG FLOOR TRANSITION WITH WALL, CASEWORK, OR AS INDICATED ON PLAN
- NEW WALL OR WALL PATCH TO MATCH EXISTING ADJACENT WALL. WALL MATCH TO COLOR, WHERE APPLICABLE PATCH WALL, WALL TILE PATCH TO MATCH EXISTING COLOR, SIZE, AND GROUT. TAKE WALL TILE PATCH BACK TO NEAREST FULL TILE AND CONTINUE PATCH TO NEAREST INSIDE OR OUTSIDE CORNER
- DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 23A601.
- EXISTING TERRAZZO FLOOR TO GO THROUGH A COMPLETE ROUGH GRIND PROCESS, REMOVING STAINS AS POSSIBLE, AND VITRIFICATION. ONCE ROUGH GRIND IS COMPLETE, POLISH WITH #120 GRIT DIAMOND, NEXT #80 GRIT, #400 GRIT DIAMOND AND FINALLY AN 800 GRIT DIAMOND BEFORE THE VITRIFICATION PROCESS.
- MARKET/JOHNSONITE SLIM LINE NOSING ON EDGE. SUBMITTAL OF EDGE CONDITION REQUIRED FOR REVIEW
- OPERABLE PARTITION TO HAVE MARKERBOARD FINISH.
- TYPICAL GIRLS RESTROOM TILE PATTERN. SEE ELEVATION 1A800
- TYPICAL BOYS RESTROOM TILE PATTERN. SEE ELEVATION 2A800
- TYPICAL UNISEX RESTROOM TILE PATTERN. SEE ELEVATION 4A800
- ATHLETIC FLOORING TO RECEIVE THREE COLORS OF COURT STRIPES. SEE SPECS FOR MORE INFORMATION.
- CENTER COURT TO RECEIVE 12'-0" TEN COLOR LOGO. SEE 4A702 FOR DETAILS.
- FULL HEIGHT WALL TILE. SEE ELEVATION 5A800
- CORRIDOR WALLS TO RECEIVE FOUR FULL COURSES OF PORCELAIN TILE (WT1) FROM TOP OF BASE. TACK STRIP TO BE INSTALLED AT TOP OF TILE. TACK INSERT COLOR TO BE T9
- 1/2" IN FRONT OF SINKS TO BE INSTALLED WITH EPOXY ADHESIVE. AREA TO EXTEND 4'-0" W/ (FROM CENTER OF SINK) AND EXTEND 2'-0" D FROM FRONT EDGE OF CABINERY.
- BROADLOOM CARPET TO BE INSTALLED ON RISE, RUN, AND SIDES OF STEPS.
- TERRAZZO PATCH WHERE WALL AND FLOOR DEMO TAKES PLACE AND AS INDICATED. EXTEND PATCH BACK TO NEAREST DIVIDER STRIP. GRIND EXISTING CONCRETE SLABS AS NEEDED TO PREP FOR TERRAZZO PATCHING. TERRAZZO PATCH TO MATCH EXISTING ADJACENT TERRAZZO. MATCH COMPLETE THE EPOXY FORMULA BASE, AGGREGATES, AND VITRIFICATION, AS WELL AS THE EPOXY DIVIDER STRIPS AND LAYOUT. A SUBMITTAL OF EACH TERRAZZO MIX BEING PATCHED TO BE PROVIDED FOR MATCH REVIEW ON SITE.
- VOT PATCH AS REQUIRED. PATCH WITH ATTIC STOCK OR NEW MATERIAL TO MATCH EXISTING COLORS AND PATTERNS. SUBMITTAL OF NEW MATERIAL TO BE REVIEWED ON SITE FOR APPROVAL.
- GRIDS SINK TILE PATTERN. SEE ELEVATION 3A800
- DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 6A801-7A803.
- EP2 TO EXTEND FROM FINISH FLOOR TO 15 FULL COURSES. EP1 FROM THAT POINT TO BOTTOM OF DECK. PAINT TRANSITION TO BE A CLEAN, TAPED, LEVEL LINE.
- AT SHIPS LADDER ENCLOSURE AND INTERSTITIAL MECHANICAL AREA D110 ABOVE, PROVIDE SEALED CONCRETE FLOORS, BASE B1, AND PAINT EP1 AT ALL WALLS. PAINT ALL EXPOSED ROOF DECK DRYVALL TYPE PAINT WHITE.



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PROJECT:
MSD OF WARREN TOWNSHIP
ADDITIONS AND RENOVATIONS TO
EASTRIDGE ELEMENTARY
SCHOOL
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:
These drawings indicate the general scope of the project. The drawings are not intended to be a substitute for the design of structural, mechanical and electrical systems. The drawings are not intended to be a substitute for the design of the project. The drawings are not intended to be a substitute for the design of the project. The drawings are not intended to be a substitute for the design of the project.

REVISIONS:
1 ADDENDUM #1 10-14-22

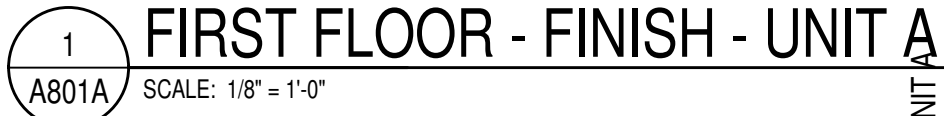
ISSUE DATE 09/19/22 DRAWN BY MEB CHECKED BY JSK

DRAWING TITLE:
FINISH LEGEND
AND
INFORMATION

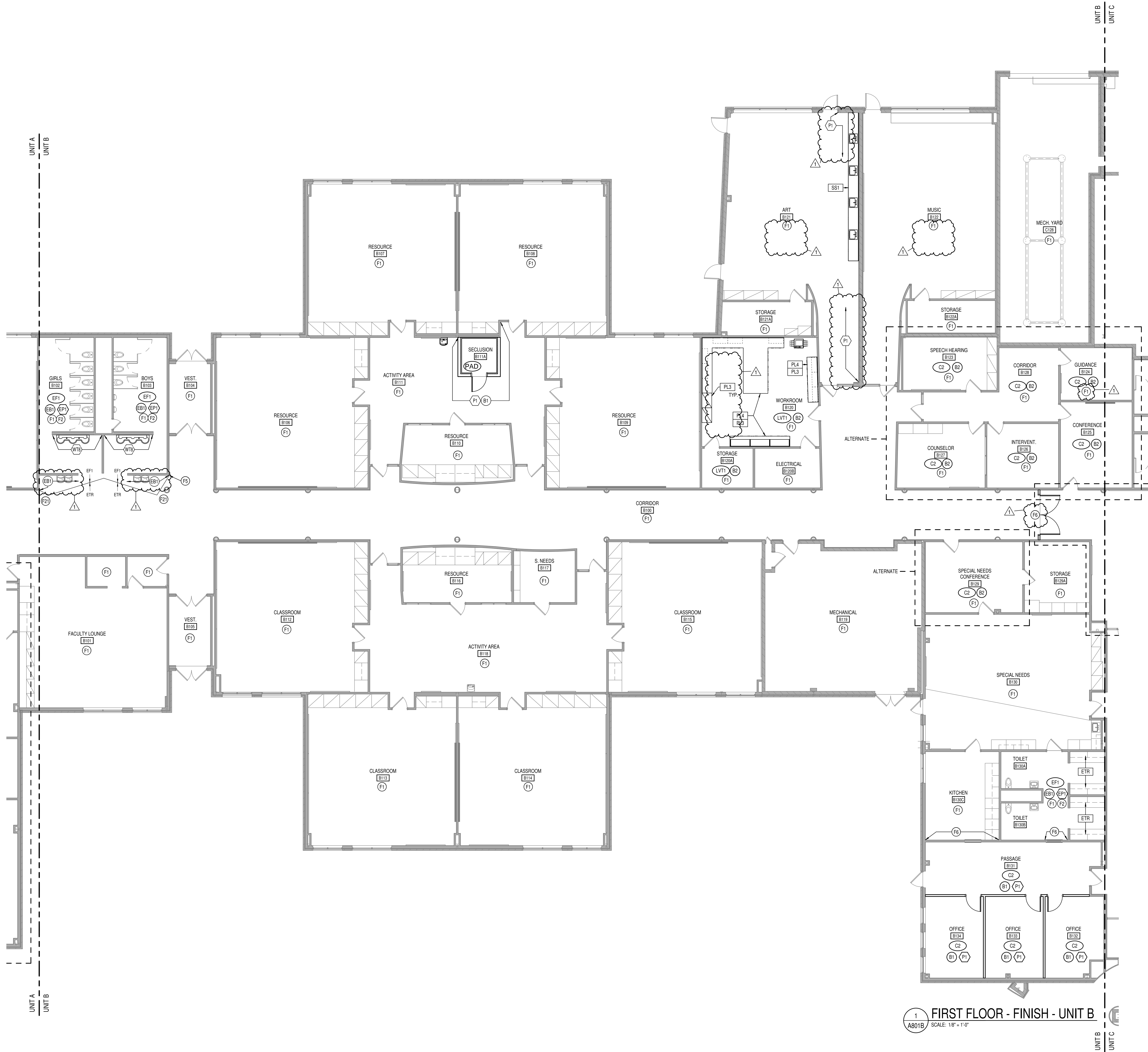
CERTIFIED BY:
JAMES ROBERT JUNK
No
AR0900003
STATE OF
INDIANA
ARCHITECT
Junk

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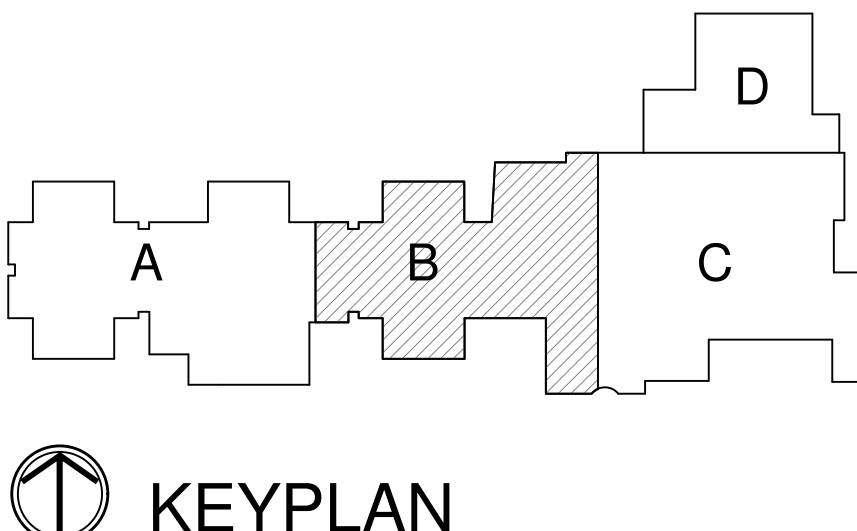


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- CONTRACTOR RESPONSIBLE FOR PROTECTING ALL FINISHES EXISTING TO REMAIN DURING CONSTRUCTION PROCESS. ALL SURFACES TO REMAIN SHALL BE PROPERLY CLEANED.
- FOR CHANGE IN FLOOR FINISH MATERIAL, PROVIDE TRANSITION STRIP AT DOOR U.N.O. ALL TRANSITIONS TO BE MINIMUM WIDTH POSSIBLE TO MEET CODE. G.C. IS TO SUBMIT COLOR SAMPLES OF RUBBER TRANSITION STRIPS TO ARCHITECT/DESIGNER FOR APPROVAL AND SELECTION OF COLOR.
- WHEN FLOOR FINISHES TRANSITION AT DOOR OPENING THE TRANSITION IS TO BE ON CENTER OF THE DOOR U.N.O.
- DIRECTIONAL ARROWS ON PLAN INDICATE DIRECTION OF FLOORING INSTALL.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL FLOOR AND TILE PATTERNS PRIOR TO INSTALLATION FOR ARCHITECT/DESIGNER APPROVAL.
- SEE INTERIOR PAINT SPECIFICATIONS FOR SCHEDULE OF COATING TYPE PER SUBSTRATE.
- PAIN WALLS BEFORE INSTALLING MARKER BOARDS, TACKBOARDS, OR OTHER WALL MOUNTED EQUIPMENT.
- ALL OUTSIDE GYPSUM BOARD CORNERS ARE TO RECEIVE SURFACE MOUNTED CORNER GUARDS AND EXTEND FROM TOP OF WALL BASE TO 7'-0" A.F.F. UNLESS OTHERWISE NOTED. COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL WALL MOUNTED GRILLES, METAL PANELS, MISC. METALS, ETC. ARE TO BE PAINTED TO MATCH THE ADJACENT WALL FINISH U.N.O.
- ALL INTERIOR HOLLOW METALS DOORS & FRAMES IN SCOPE ARE TO BE PAINTED TO MATCH THE ADJACENT WALL PAINT OR P1. ALL NEW EXTERIOR HOLLOW METAL DOORS ARE TO BE PAINTED TO MATCH EXISTING HOLLOW METAL DOORS.
- WHERE WALL TILE OCCURS, ALL OUTSIDE CORNERS OR VERTICAL EDGE OF WALL ARE TO BE TRIMMED WITH SCHLUTER QUADRO IN BRUSHED STAINLESS STEEL FINISH. SCHLUTER JOLLY TRIM IN BRUSHED STAINLESS STEEL FINISH TO BE UTILIZED AT BOTTOM OF TILE AND TOP OF BASE.
- WALL TILE TO BE STACK BOND INSTALLATION. FULL TILE START ON CENTER OF EACH WALL.
- WALL TILE TO BE INSTALLED WITH THE MINIMUM RECOMMENDED GROUT THICKNESS PER TILE MANUFACTURER. GROUT COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL GWS CEILINGS TO BE PAINTED P3. CEILING BRIGHT WHITE. U.N.O. FACE OF SOFFITS/BULKHEADS TO BE PAINTED TO MATCH ADJACENT WALLS. U.N.O.
- ALL EXPOSED CEILINGS AND DECKS TO BE PAINTED P3. CEILING BRIGHT WHITE. U.N.O. SEE SPECS FOR ADDITIONAL INFORMATION.
- ALL COLUMNS TO BE PAINTED TO MATCH ADJACENT WALLS. U.N.O.
- ALL MARKERBOARDS TO BE LOW GLOSS WHITE.
- OPERABLE PARTITION FINISH TO BE SELECTED FROM MFR'S FULL RANGE.
- CUBICLE CURTAINS TO BE SELECTED FROM MFR'S FULL RANGE.
- WHERE EPOXY RESINOUS FLOORING OCCURS, COORDINATING EPOXY BASE TO EXTEND UP TOE OF CASEWORK WHERE APPLICABLE.
- WALL PADDING COLOR TO BE P2 OR SELECTED FROM MANUFACTURERS FULL RANGE.
- FRP PANELS TO BE INSTALLED TO MEET CODE AT ALL CUSTODIAL SINK LOCATIONS. LENGTH AS NECESSARY. MIN OF 2'-0" BEYOND EXTENTS OF SINKS. FRP TO START AT TOP OF BASE AND RUN FULL PANEL WIDTH (4'-0"). COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL NEW WINDOW STOOLS ARE TO BE SS2.
- GYM PADDING AND EQUIPMENT COLORS TO BE SELECTED FROM MANUFACTURERS FULL RANGE.
- ACOUSTICAL STAGE CURTAIN TO BE SELECTED FROM MANUFACTURERS FULL RANGE.

KEYED FINISH PLAN NOTES

- F1 NO WORK THIS AREA, UNLESS NOTED OTHERWISE
- F2 PAINT EP1 ABOVE EXISTING TILE
- F3 EXPOSED STRUCTURE AND DECK TO BE PAINTED WHITE P3
- F4 EXPOSED STRUCTURE AND DECK TO BE PAINTED BLACK P4
- F5 ALIGN FLOOR TRANSITION WITH WALL, CASEWORK, OR AS INDICATED ON PLAN
- F6 NEW WALL OR WALL PATCH TO MATCH EXISTING ADJACENT WALL. WALL MATCH TO INCLUDE PAINT COLOR, QUALITY AND FINISH AND BASE TO MATCH STYLE, HEIGHT, AND COLOR. WHERE APPLICABLE PATCH WALL TILE, WALL TILE PATCH TO MATCH STYLE, COLOR, SIZE, AND GROUT. TAKE WALL TILE PATCH BACK TO NEAREST FULL TILE AND CONTINUE PATCH TO NEAREST INSIDE OR OUTSIDE CORNER.
- F7 DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 23A601.
- F8 EXISTING TERRAZZO FLOOR TO GO THROUGH A COMPLETE ROUGH GRIND PROCESS. REMOVING STAINS AS POSSIBLE. AND VITRIFICATION. ONCE ROUGH GRIND IS COMPLETE, POLISH WITH A 120 GRIT DIAMOND, NEXT A 200 GRIT, 400 GRIT DIAMOND AND FINALLY AN 800 GRIT DIAMOND BEFORE THE VITRIFICATION PROCESS.
- F9 TARKETT/JOHNSONITE SLIM LINE NOSING ON EDGE. SUBMITTAL OF EDGE CONDITION REQUIRED FOR REVIEW
- F10 OPERABLE PARTITION TO HAVE MARKERBOARD FINISH
- F11 TYPICAL GIRLS RESTROOM TILE PATTERN. SEE ELEVATION 1A800
- F12 TYPICAL BOYS RESTROOM TILE PATTERN. SEE ELEVATION 2A800
- F13 TYPICAL UNISEX RESTROOM TILE PATTERN. SEE ELEVATION 4B00.
- F14 ATHLETIC FLOORING TO RECEIVE THREE COLORS OF COURT STRIPES. SEE SPECS FOR MORE INFORMATION.
- F15 CENTER COURT TO RECEIVE 12'-0" TEN COLOR LOGO. SEE 4A702 FOR DETAILS.
- F16 FULL HEIGHT WALL TILE. SEE ELEVATION 5A800.
- F17 CORRIDOR WALLS TO RECEIVE FOUR FULL COURSES OF PORCELAIN TILE (WT1) FROM TOP OF BASE. TACK STRIP TO BE INSTALLED AT TOP OF TILE. TACK INSERT COLOR TO BE TB1.
- F18 LVT IN FRONT OF SINKS TO BE INSTALLED WITH EPOXY ADHESIVE. AREA TO EXTEND 4'-0" W (FROM CENTER OF SINK) AND EXTEND 2'-6" D FROM FRONT EDGE OF CABINETS.
- F19 BROADLOOM CARPET TO BE INSTALLED ON RISE, RUN, AND SIDES OF STEPS.
- F20 TERRAZZO PATCH WHERE WALL AND FLOOR DEMO TAKES PLACE AND AS INDICATED. EXTEND PATCH BACK TO NEAREST DIVIDER STRIP. GRIND EXISTING CONCRETE SLAB AS NEEDED TO PREP FOR TERRAZZO PATCHING. TERRAZZO PATCH TO MATCH EXISTING ADJACENT TERRAZZO. MATCH COMPLETE THE EPOXY FOAMLA BASE, AGGREGATES, AND VITRIFICATION, AS WELL AS THE EPOXY DIVIDER STRIPS AND LAYOUT. A SUBMITTAL OF EACH TERRAZZO MIX BEING PATCHED TO BE PROVIDED FOR MATCH REVIEW ON SITE.
- F21 VCT PATCH AS REQUIRED. PATCH WITH ATTIC STOCK OR NEW MATERIAL TO MATCH EXISTING COLORS AND PATTERNS. SUBMITTAL OF NEW MATERIAL TO BE REVIEWED ON SITE FOR APPROVAL.
- F22 GROUP SINK TILE PATTERN. SEE ELEVATION 3A800
- F23 DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 6A601 - 7A605.
- F24 EP2 TO EXTEND FROM FINISH FLOOR TO 15 FULL COURSES. EP1 FROM THAT POINT TO BOTTOM OF DECK. PAINT TRANSITION TO BE A CLEAN, TAPED, LEVEL LINE.
- F25 AT SHIP'S LADDER ENCLOSURE AND INTERSTITIAL MECHANICAL AREA D110 ABOVE. PROVIDE SEALED CONCRETE FLOORS, BASE B1, AND PAINT EP1 AT ALL WALLS. PAINT ALL EXPOSED ROOF DECK DRYFALL TYPE PAINT WHITE.





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PROJECT: MSD OF WARREN TOWNSHIP ADDITIONS AND RENOVATIONS TO EASTRIDGE ELEMENTARY SCHOOL 10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:

These drawings indicate the general scope of the project. However, the architect does not warrant the accuracy of the information provided. The architect is not responsible for the accuracy of the information provided. The architect is not responsible for the accuracy of the information provided.

REVISIONS:

ISSUE DATE	DRAWN BY	CHECKED BY
09/19/22	MEB	JSK

DRAWING TITLE: FIRST FLOOR FINISH PLAN - UNIT B

CERTIFIED BY: JAMES ROBERT JUNK

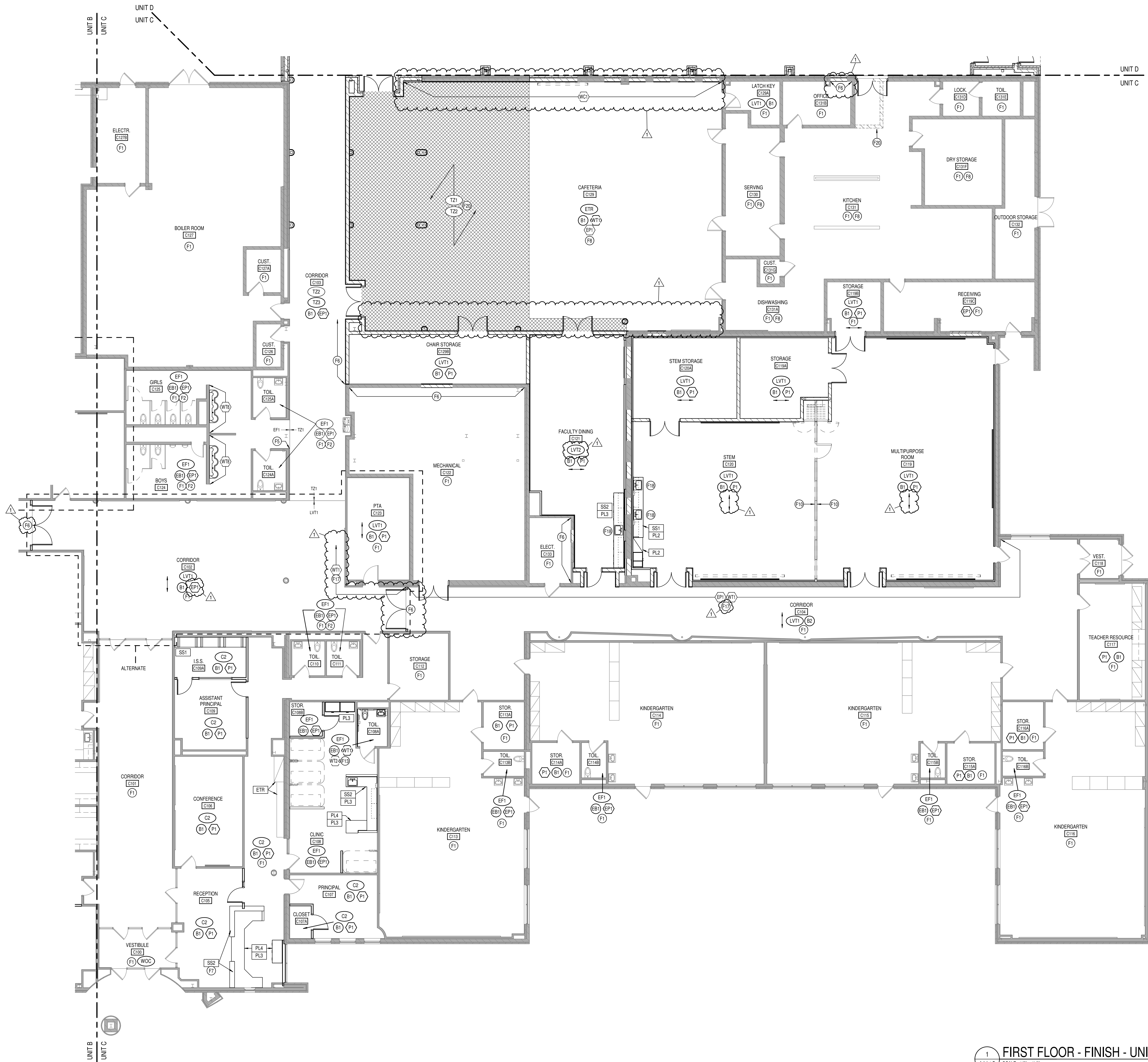
REGISTERED ARCHITECT

STATE OF INDIANA

ARCHITECT

DRAWING NUMBER: A801B

PROJECT NUMBER: 2021055

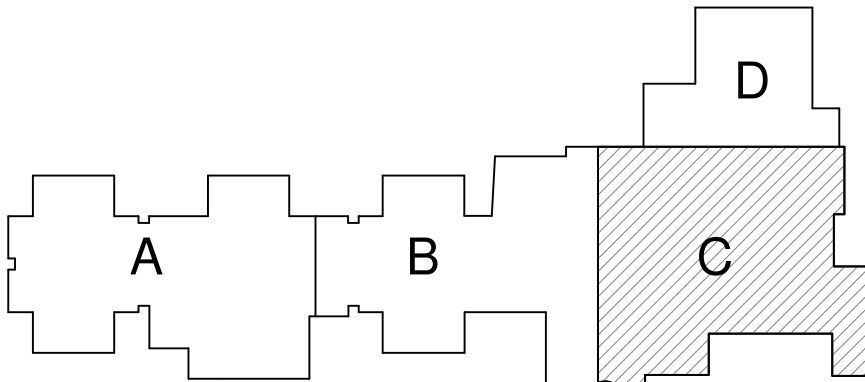


GENERAL FINISH NOTES

- ANY DISCREPANCIES WITHIN THE DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF CSO ARCHITECTS PRIOR TO INSTALLATION. THESE DOCUMENTS WILL GOVERN OVER PREVIOUS SUPPLEMENTAL DRAWINGS.
- THE SCHEDULED MATERIALS SHALL NOT BE INSTALLED BEFORE THE CONTRACTORS ACTUAL COLOR SUBMITTALS HAVE BEEN APPROVED. AS CALLED FOR IN THE SPECIFICATIONS. IF ANY MATERIAL IS INSTALLED BEFORE APPROVAL, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL EPOCHICUS SPECIFICATIONS.
- ALL SURFACES RECEIVING FINISHES SHALL BE PROPERLY PREPARED PER MANUFACTURERS SPECIFICATIONS PRIOR TO INSTALLATION.
- WHERE DEMOLITION OCCURS, SURFACE IS TO BE PROPERLY PATCHED AND REPAIRED TO MATCH SURROUNDING SURFACES BEFORE FINISH IS APPLIED.
- CONTRACTOR RESPONSIBLE FOR PROTECTING ALL FINISHES EXISTING TO REMAIN DURING CONSTRUCTION PROCESS. ALL SURFACES TO REMAIN SHALL BE PROPERLY CLEANED.
- FOR CHANGE IN FLOOR FINISH MATERIAL, PROVIDE TRANSITION STRIP AT DOOR U.N.O. ALL TRANSITIONS TO BE MINIMUM WIDTH POSSIBLE TO MEET CODE. G.C. IS TO SUBMIT COLOR SAMPLES OF RUBBER TRANSITION STRIPS TO ARCHITECT/DESIGNER FOR APPROVAL AND SELECTION OF COLOR.
- WHEN FLOOR FINISHES TRANSITION AT DOOR OPENING THE TRANSITION IS TO BE ON CENTER OF THE DOOR U.N.O.
- DIRECTIONAL ARROWS ON PLAN INDICATE DIRECTION OF FLOORING INSTALL.
- CONTRACTOR TO SUBMIT SHOP DRAWINGS OF ALL FLOOR AND TILE PATTERNS PRIOR TO INSTALLATION FOR ARCHITECT/DESIGNER APPROVAL.
- SEE INTERIOR PAINT SPECIFICATIONS FOR SCHEDULE OF COATING TYPE PER SUBSTRATE.
- PAINT WALLS BEFORE INSTALLING MARKER BOARDS, TACKBOARDS, OR OTHER WALL MOUNTED EQUIPMENT.
- ALL OUTSIDE GYPSUM BOARD CORNERS ARE TO RECEIVE SURFACE MOUNTED CORNER GUARDS AND EXTEND FROM TOP OF WALL BASE TO 7'-0\"/>

KEYED FINISH PLAN NOTES

- F1 NO WORK THIS AREA, UNLESS NOTED OTHERWISE
- F2 PAINT EP1 ABOVE EXISTING TILE
- F3 EXPOSED STRUCTURE AND DECK TO BE PAINTED WHITE P3
- F4 EXPOSED STRUCTURE AND DECK TO BE PAINTED BLACK P4
- F5 ALIGN FLOOR TRANSITION WITH WALL, CASEWORK, OR AS INDICATED ON PLAN
- F6 NEW WALL OR WALL PATCH TO MATCH EXISTING ADJACENT WALL. WALL MATCH TO INCLUDE PAINT COLOR, QUALITY AND FINISH AND BASE TO MATCH STYLE, HEIGHT, AND COLOR. WHERE APPLICABLE PATCH WALL TILE, WALL TILE PATCH TO MATCH STYLE, COLOR, SIZE, AND GROUT. TAKE WALL TILE PATCH BACK TO NEAREST FULL TILE AND CONTINUE PATCH TO NEAREST INSIDE OR OUTSIDE CORNER.
- F7 DESK WITH WATERFALL TRANSACTION COUNTER AND DECORATIVE PLASTIC LAMINATE PANELS. SEE ELEVATION 23A601.
- F8 EXISTING TERRAZZO FLOOR TO GO THROUGH A COMPLETE ROUGH GRIND PROCESS. REMOVING STAINS AS POSSIBLE. AND VITRIFICATION. ONCE ROUGH GRIND IS COMPLETE, POLISH WITH A 120 GRIT DIAMOND, NEXT A 200 GRIT, 400 GRIT DIAMOND AND FINALLY AN 800 GRIT DIAMOND BEFORE THE VITRIFICATION PROCESS.
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- F15 CENTER COURT TO RECEIVE 12\"/>



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PROJECT:
MSD OF WARREN TOWNSHIP
ADDITIONS AND RENOVATIONS TO
EASTRIDGE ELEMENTARY
SCHOOL
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:
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REVISIONS:
1 ADDENDUM #1 10-14-22

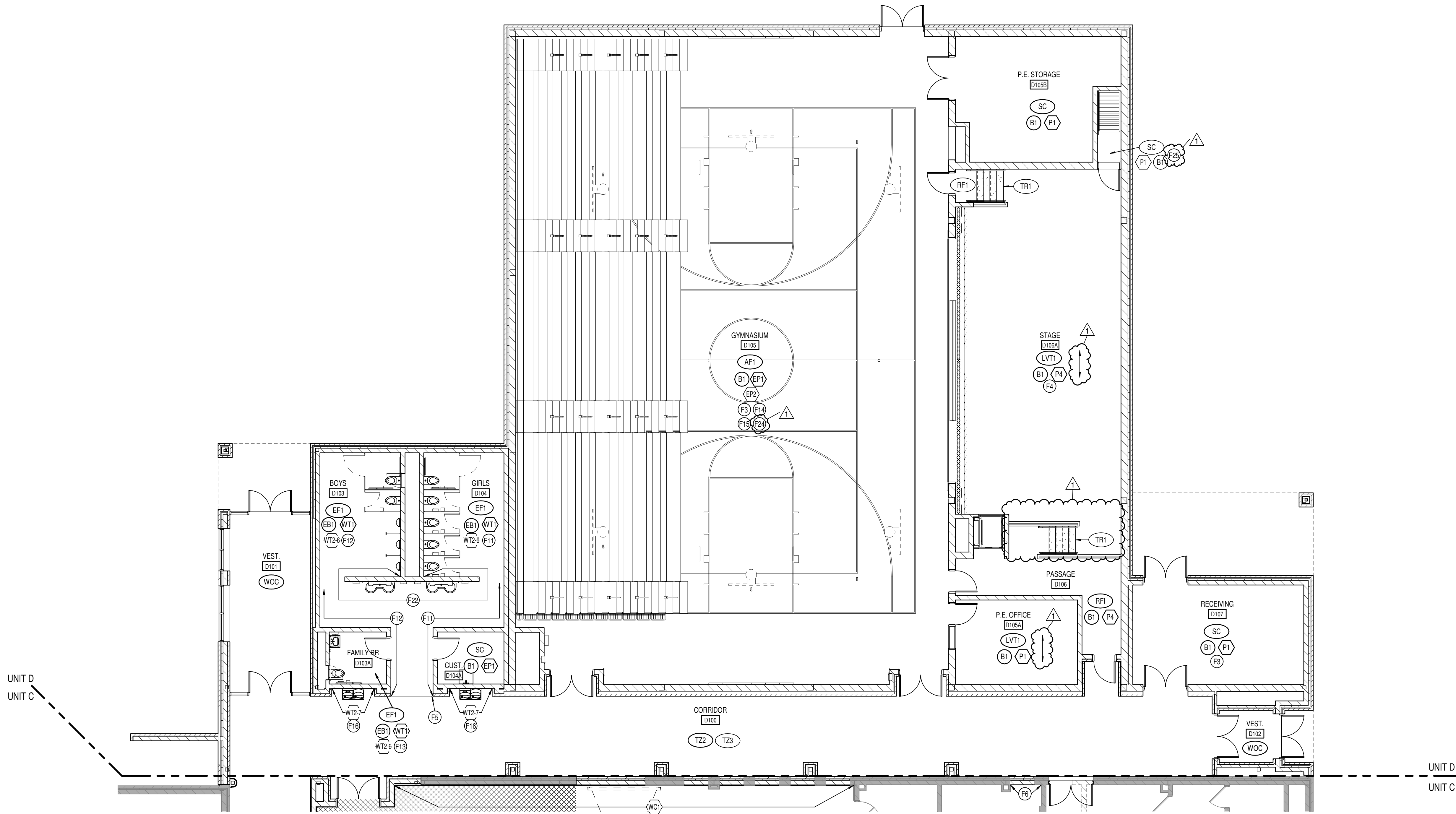
ISSUE DATE 09/19/22
DRAWN BY MEB
CHECKED BY JSK

DRAWING TITLE:
FIRST FLOOR
FINISH PLAN
UNIT C

CERTIFIED BY:
ROBERT J. JANK
REGISTERED
No
ARCHITECT
STATE OF INDIANA
10011488

DRAWING NUMBER
A801C

PROJECT NUMBER
2021055



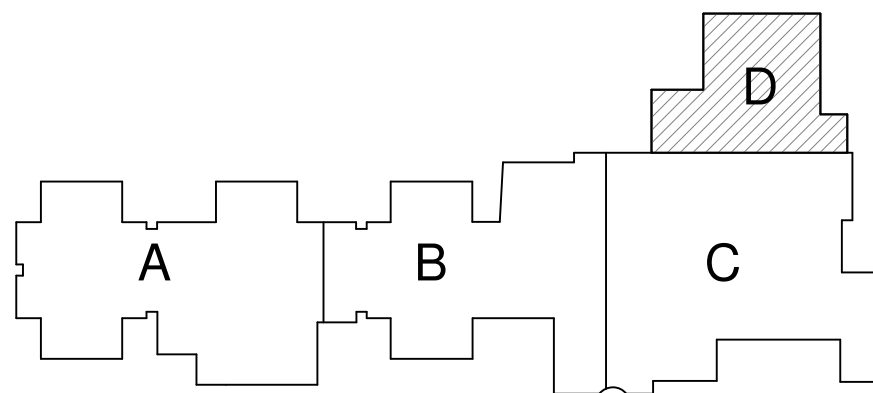
1 FIRST FLOOR - FINISH - UNIT D
A801D SCALE: 1/8" = 1'-0"

GENERAL FINISH NOTES

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- ALL OUTSIDE GYPSUM BOARD CORNERS ARE TO RECEIVE SURFACE MOUNTED CORNER GUARDS AND EXTEND FROM TOP OF WALL BASE TO 7'-0" A.F.F. UNLESS OTHERWISE NOTED. COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL WALL MOUNTED GRILLES, METAL PANELS, MISC. METALS, ETC. ARE TO BE PAINTED TO MATCH THE ADJACENT WALL FINISH U.N.O.
- ALL INTERIOR HOLLOW METALS DOORS & FRAMES IN SCOPE ARE TO BE PAINTED TO MATCH THE ADJACENT WALL PAINT OR P1. ALL NEW EXTERIOR HOLLOW METAL DOORS ARE TO BE PAINTED TO MATCH EXISTING HOLLOW METAL DOORS.
- WHERE WALL TILE OCCURS, ALL OUTSIDE CORNERS OR VERTICAL EDGE OF WALL ARE TO BE TRIMMED WITH SCHLUTER QUADRO IN BRUSHED STAINLESS STEEL FINISH. SCHLUTER JOLLY TRIM IN BRUSHED STAINLESS STEEL FINISH TO BE UTILIZED AT BOTTOM OF TILE AND TOP OF BASE.
- WALL TILE TO BE STACK BOND INSTALLATION. FULL TILE START ON CENTER OF EACH WALL.
- WALL TILE TO BE INSTALLED WITH THE MINIMUM RECOMMENDED GROUT THICKNESS PER TILE MANUFACTURER. GROUT COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL GWS CEILINGS TO BE PAINTED P3. CEILING BRIGHT WHITE. U.N.O. FACE OF SOFFITS/BULKHEADS TO BE PAINTED TO MATCH ADJACENT WALLS. U.N.O.
- ALL EXPOSED CEILINGS AND DECKS TO BE PAINTED P3. CEILING BRIGHT WHITE. U.N.O. SEE SPECS FOR ADDITIONAL INFORMATION.
- ALL COLUMNS TO BE PAINTED TO MATCH ADJACENT WALLS. U.N.O.
- ALL MARKERBOARDS TO BE LOW GLOSS WHITE.
- OPERABLE PARTITION FINISH TO BE SELECTED FROM MFR'S FULL RANGE.
- CUBICLE CURTAINS TO BE SELECTED FROM MFR'S FULL RANGE.
- WHERE EPOXY RESINOUS FLOORING OCCURS, COORDINATING EPOXY BASE TO EXTEND UP TOE OF CASEWORK WHERE APPLICABLE.
- WALL PADDING COLOR TO BE P2 OR SELECTED FROM MANUFACTURERS FULL RANGE.
- FRP PANELS TO BE INSTALLED TO MEET CODE AT ALL CUSTODIAL SINK LOCATIONS. LENGTH AS NECESSARY. MIN OF 2'-0" BEYOND EXTENTS OF SINKS. FRP TO START AT TOP OF BASE AND RUN FULL PANEL WIDTH (4'-0"). COLOR TO BE SELECTED FROM MFR'S FULL RANGE.
- ALL NEW WINDOW STOOLS ARE TO BE SS2.
- GYM PADDING AND EQUIPMENT COLORS TO BE SELECTED FROM MANUFACTURERS FULL RANGE.
- ACOUSTICAL STAGE CURTAIN TO BE SELECTED FROM MANUFACTURERS FULL RANGE.

KEYED FINISH PLAN NOTES

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- F21 VCT PATCH AS REQUIRED. PATCH WITH ATTC STOCK OR NEW MATERIAL TO MATCH EXISTING COLORS AND PATTERNS. SUBMITTAL OF NEW MATERIAL TO BE REVIEWED ON SITE FOR APPROVAL.
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- F24 EP2 TO EXTEND FROM FINISH FLOOR TO 15 FULL COURSES. EP1 FROM THAT POINT TO BOTTOM OF DECK. PAINT TRANSITION TO BE A CLEAN, TAPED, LEVEL LINE.
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KEYPLAN



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ARCHITECTS
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PROJECT:
MSD OF WARREN TOWNSHIP
ADDITIONS AND RENOVATIONS TO
EASTRIDGE ELEMENTARY
SCHOOL
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:
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REVISIONS:
1 ADDENDUM #1 10-14-22

ISSUE DATE 09/19/22
DRAWN BY MEB
CHECKED BY JSK

DRAWING TITLE:
FIRST FLOOR
FINISH PLAN
UNIT D

CERTIFIED BY:
ROBERT J. LUK
REGISTERED
No
AR00900003
STATE OF
INDIANA
ARCHITECT
J. Luk

DRAWING NUMBER
A801D

PROJECT NUMBER
2021055

Addendum #1

To: All Bidders of Record

This addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and Drawings. This addendum is issued in accordance with the provision of "The General Conditions of the Contract for Construction, "Article 1, "Contract Documents" and becomes a part of the Contract Documents as provided therein. All Contractors shall incorporate into the contract documents and into their bid the following changes and clarifications to the drawings, specifications and scope of work.

Acknowledge receipt of this addendum in the location provided on the bid form.

Plumbing

Specifications: N/A

Drawings:

Item 1. Sheet P201B – First Floor Plumbing Plan – Unit B

1. Provide the following note in Seclusion Room B111A:
Provide Concealed type NFPA 13, pendant sprinkler head in finished ceiling construction.
Coordinate color and installation with ceiling finish.

Mechanical

Specifications:

Item 1. Section 23 37 13 Air Devices;

1. Paragraph 2.01: Add Metalaire to the list of acceptable manufacturers

Drawings:

Item 1. Sheet M201B – First floor Mechanical Plan – Unit B

1. Seclusion B111A, Provide Price Type MSLP or Equal, minimum security lattice faceplate standard off-white finish with the Supply register (SR) and the return register (RR). Secure to finished ceiling with tamper proof screws.

Electrical

Specifications:

Item 1. Specification 263213 Standby Power Generator Set

1. 263213.1.03.B.1 Add Generac as an acceptable manufacturer.

Drawings:

Item 1. Sheet ED201A First Floor Power and Systems Demolition Plan Unit A

1. Replace original with attached drawing.

Item 2. Sheet E201A First Floor Power and Systems Plan Unit A

1. Replace original with attached drawing.

Item 3. Sheet E201B First Floor Power and Systems Plan Unit B

1. Replace original with attached drawing.

Item 4. Sheet ED211A Lighting Demolition Plan – Unit A

1. Replace original with attached drawing.

Item 5. Sheet E211A Lighting Plan – Unit A

1. Replace original with attached drawing.

Item 6. Sheet E303 Electrical Schedules and Details

1. LED Light Fixture Schedule

Type L4: In lieu of fixture specified, provide a 2x2 recessed high abuse fixture with a hard ceiling application. Manufacturers: Kenall, Failsafe, Certolux and Lumax.

Add Type L11: 8" LED Recessed Downlight with 0-10V dimming down to 10% minimum. 4000K, lumens TBD. Manufacturers: Halo, Lithonia, Green Creative and Williams.

Attachments:

Sheet ED201A First Floor Power and Systems Demolition Plan Unit A
Sheet E201A First Floor Power and Systems Plan Unit A
Sheet E201B First Floor Power and Systems Plan Unit B
Sheet ED211A Lighting Demolition Plan – Unit A
Sheet E211A Lighting Plan – Unit A



1 FIRST FLOOR POWER AND SYSTEMS
DEMOLITION PLAN - UNIT A
1/8" = 1'-0"

ELECTRICAL DEMOLITION PLAN...

- 1 CIRCUIT TO REMAIN FOR RECONNECT
- 2 EXISTING DEVICES TO REMAIN THAT ARE INSTALLED INTO CEILINGS THAT ARE BEING REMOVED ARE TO BE SUPPORTED, PROTECTED AND REINSTALLED INTO NEW CEILING. TYPICAL OF ALL.
- 3 EXISTING DEVICES TO REMAIN THAT ARE INSTALLED INTO WALLS THAT ARE TO BE FURRED OUT ARE TO BE ADJUSTED FOR NEW WALL DEPTH AND PROVIDE NEW DEVICE AND COVER PLATE. TYPICAL OF ALL.
- 4 EXISTING DEVICES TO REMAIN THAT ARE INSTALLED ON WALLS THAT HAVE EXISTING VINYL COVERING REMOVED REQUIRES DEVICES AND FACEPLATES TO BE REMOVED AND REINSTALLED. TYPICAL OF ALL.



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PROJECT:
**MSD OF WARNE TOWNSHIP
EASTRIDGE ELEMENTARY SCHOOL
RENOVATION AND ADDITION**
10930 E 10TH ST., INDIANAPOLIS, IN. 46229

SCOPE DRAWINGS:
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REVISIONS:
1 ADDENDUM 1 10/14/2021

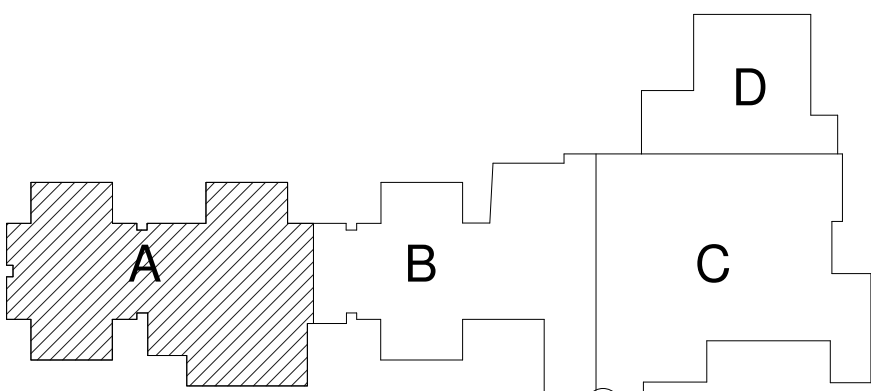
ISSUE DATE 9/19/2022
DRAWN BY SGD
CHECKED BY WWH

DRAWING TITLE:
**FIRST FLOOR
POWER AND
SYSTEMS
DEMOLITION
PLAN - UNIT A**

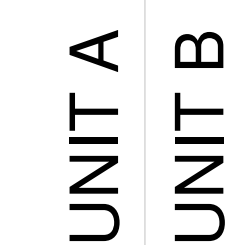


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PROJECT NUMBER
2021055/1405



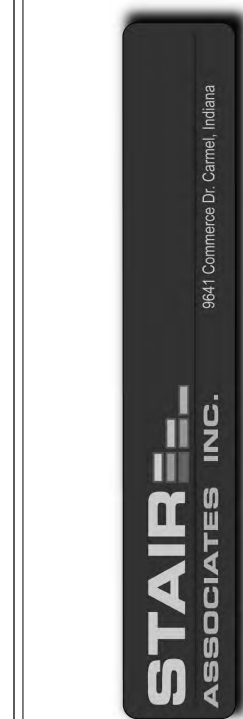
 **KEYPLAN**



The diagram shows a 2D grid with four regions labeled A, B, C, and D. Region A is a cross-shaped area with diagonal hatching. Region B is a single square cell to the right of A. Region C is a 2x2 square area to the right of B. Region D is a single square cell on top of C.



- 1 MAINTAIN ALL EXISTING LIGHTING CIRCUITS. CONNECT NEW LIGHT FIXTURES IN EXISTING BUILDING TO EXISTING LIGHTING CIRCUITS.
- 2 MAINTAIN ALL EXISTING EXIT LIGHT CIRCUITS FOR CONNECTION TO NEW FIXTURES AT SAME LOCATION AND EXTENSION TO NEW FIXTURES.
- 3 SEE POWER AND SYSTEMS DEMOLITION PLAN FOR ELECTRICAL PANEL LOCATIONS.
- 4 LIGHT FIXTURE TO BE REINSTALLED IN NEW CEILING AT THIS LOCATION.
- 5 EXISTING CORRIDOR LIGHTING CIRCUITS CONTROLLED BY TIME CLOCK IN OFFICE.
- 6 REMOVE NORMAL CIRCUIT 1H1-18 (EMERGENCY CIRCUIT TO REMAIN) FROM THIS EMERGENCY LIGHT FIXTURE. NEW FIXTURE IN THIS LOCATION WILL BE EMERGENCY ONLY.



PROJECT:

MSD OF WARREN TOWNSHIP
EASTRIDGE ELEMENTARY SCHOOL
RENOVATION AND ADDITION
10930 E 10TH ST, INDIANAPOLIS, IN, 46229

SCOPE DRAWINGS:

On the basis of the general scope indicated or described in the true contract documents, the contractor shall furnish all items required for the proper execution and completion of the work.

REVISIONS:

1	Addendum 1	10/13/2022
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ISSUE DATE	DRAWN BY	CHECKED BY
09/19/2022	SGD	WWH

DRAWING TITLE:

FIRST FLOOR
LIGHTING
DEMOLITION
PLAN - UNIT A

CERTIFIED BY:



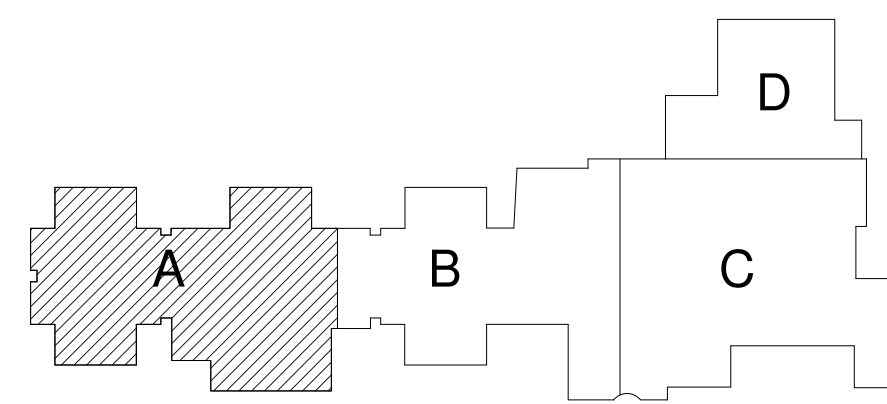
DRAWING NUMBER

ED211A

PROJECT NUMBER
2021055/1405

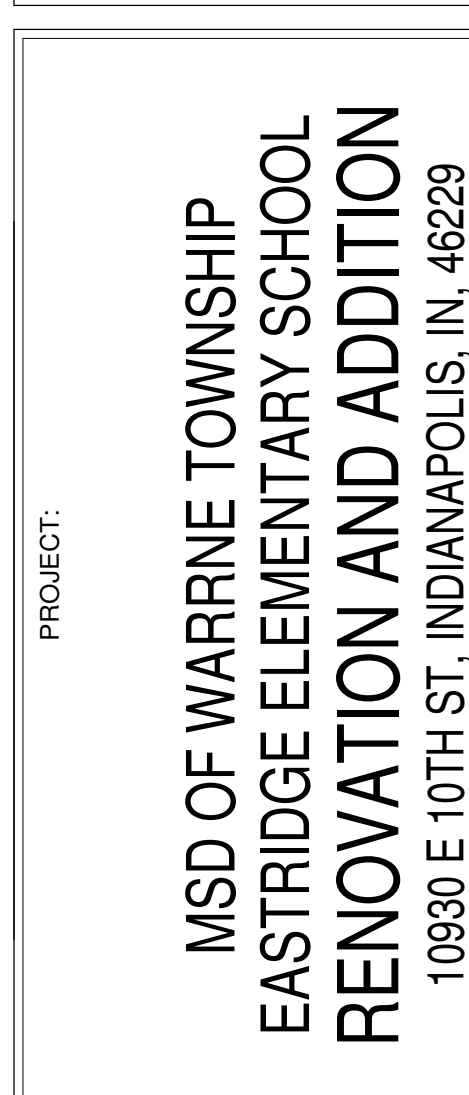
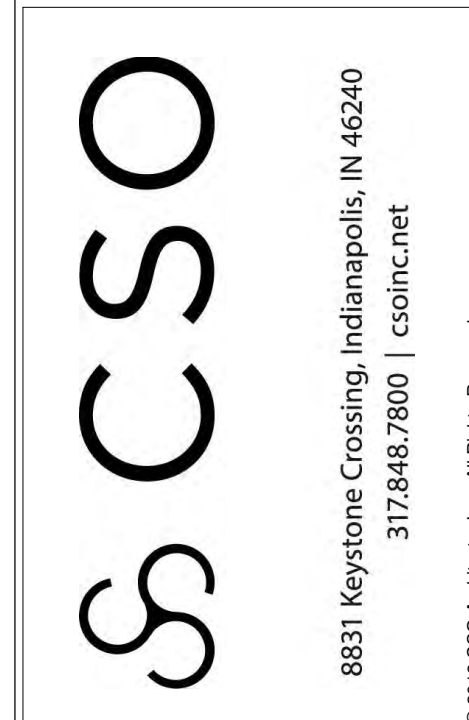


FIRST FLOOR POWER AND SYSTEMS
PLAN - UNIT A
1/8" = 1'-0"



POWER PLAN NOTES

- 1 DEVICE MOUNTED AT 6" ABOVE COUNTER (OR BACKSPLASH IF PRESENT) TO CENTER OF DEVICE. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.
- 2 CONNECT TO EXISTING ELECTRONIC LOCKING DEVICE.
- 3 CEILING MOUNTED VIDEO PROJECTOR. VERIFY LOCATION.
- 4 AUDIO RACK LOCATION. PROVIDE(4) 1" FOR LOW VOLTAGE TO ABOVE ACCESSIBLE CEILING.
- 5 CONNECT TO EXISTING CIRCUIT.
- 6 DEVICES LOCATED IN FACE OF BLEACHER.
- 7 POWER FOR ACCESS CONTROL AND/OR ELECTRONIC LOCKING DEVICE TRANSFORMER LOCATED ABOVE CEILING. PROVIDE 2-GANG BOX AND CONDUITS TO DOOR FRAMES. CONNECT TO LOW VOLTAGE TRANSFORMER AND PROVIDE LAN CONNECTION
- 8 CARD READER DEVICE IS O.F.O.I. PROVIDE 1-GANG BOX AT +48" WITH 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
- 10 SPEAKER TO BE HUNG FROM STRUCTURE.
- 11 WALKER RFB6 FLOOR BOX AND COVER WITH 3/4" POWER AND (2) 1-1/4" LOW VOLTAGE CONDUITS TO ABOVE ACCESSIBLE CEILING.
- 12 TCC CONTROL PANEL. CONNECT TO NEAREST CIRCUIT AND PROVIDE LAN CONNECTION.
- 13 LAN CONNECTION FOR CAMERA. PROVIDE 25' EXCESS CABLE IN A LOOP. CUT CONDUIT FLUSH WITH EXTERIOR WALL. EQUIPMENT IS O.F.O.I.
- 14 WIRELESS ACCESS POINT. PROVIDE ONE TYPE CAT 6A CABLE. EQUIPMENT IS O.F.O.I.

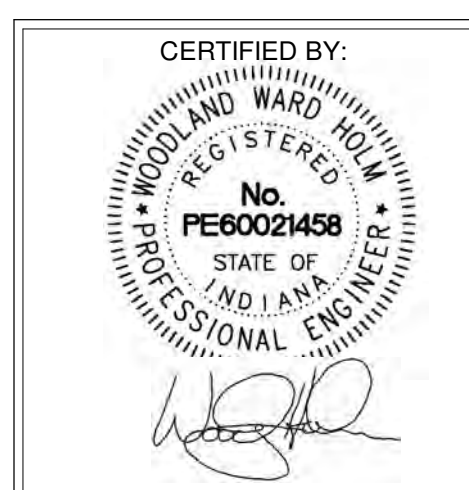


SCOPE DRAWINGS:
These drawings indicate the general scope of the project. The drawings are not intended to be a contract. The drawings are not intended to be a contract. The drawings are not intended to be a contract. The drawings are not intended to be a contract.

REVISIONS:
1 ADDENDUM 1 10/14/2021

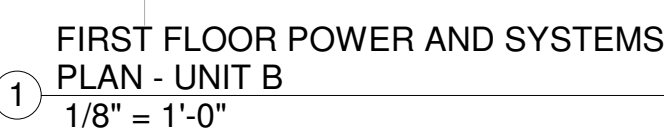
ISSUE DATE 9/19/2022
DRAWN BY SGD
CHECKED BY WWH

DRAWING TITLE:
FIRST FLOOR
POWER AND
SYSTEMS PLAN
UNIT A

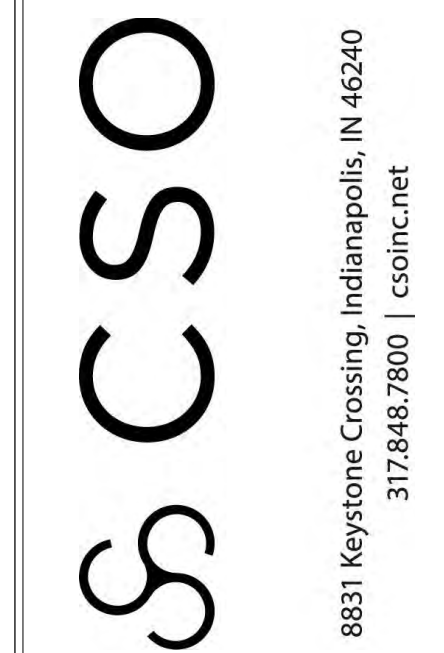


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PROJECT NUMBER
2021055/1405



- 1 DEVICE MOUNTED AT 6" ABOVE COUNTER (OR BACKSPLASH IF PRESENT) TO CENTER OF DEVICE. REFER TO ARCHITECTURAL ELEVATIONS FOR EXACT LOCATION.
- 2 CONNECT TO EXISTING ELECTRONIC LOCKING DEVICE.
- 3 CEILING MOUNTED VIDEO PROJECTOR. VERIFY LOCATION.
- 4 AUDIO RACK LOCATION. PROVIDE(4) 1" C FOR LOW VOLTAGE TO ABOVE ACCESSIBLE CEILING.
- 5 CONNECT TO EXISTING CIRCUIT.
- 6 DEVICES LOCATED IN FACE OF BLEACHER.
- 7 POWER FOR ACCESS CONTROL AND/OR ELECTRONIC LOCKING DEVICE TRANSFORMER LOCATED ABOVE CEILING. PROVIDE 2-GANG BOX AND CONDUITS TO DOOR FRAMES. CONNECT TO LOW VOLTAGE TRANSFORMER AND PROVIDE LAN CONNECTION
- 8 CARD READER DEVICE IS O.F.O.I. PROVIDE 1-GANG BOX AT +48" WITH 3/4" CONDUIT TO ABOVE ACCESSIBLE CEILING.
- 9 SPEAKER TO BE HUNG FROM STRUCTURE.
- 10 WALKER RFBS FLOOR BOX AND COVER WITH 3/4" POWER AND (2) 1/4" LOW VOLTAGE CONDUITS TO ABOVE ACCESSIBLE CEILING.
- 11 TCC CONTROL PANEL. CONNECT TO NEAREST CIRCUIT AND PROVIDE LAN CONNECTION.
- 12 LAN CONNECTION FOR CAMERA. PROVIDE 25' EXCESS CABLE IN A LOOP. CUT CONDUIT FLUSH WITH EXTERIOR WALL. EQUIPMENT IS O.F.O.I.
- 14 WIRELESS ACCESS POINT. PROVIDE ONE TYPE CAT 6A CABLE. EQUIPMENT IS O.F.O.I.



SCOPE DRAWINGS:

These drawings indicate the general scope of the project in terms of architectural design concept, the dimensions of the building, the major architectural elements and the type of structural, mechanical and electrical systems.

The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.

On the basis of the general scope indicated or described the trade contractors shall furnish all items required for the

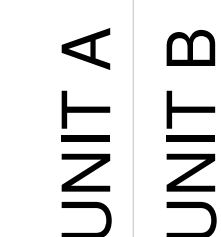
REVISIONS:		
1	ADDENDUM 1	10/14/2021

ISSUE DATE	DRAWN BY	CHECKED BY
9/19/2022	SGD	WWH

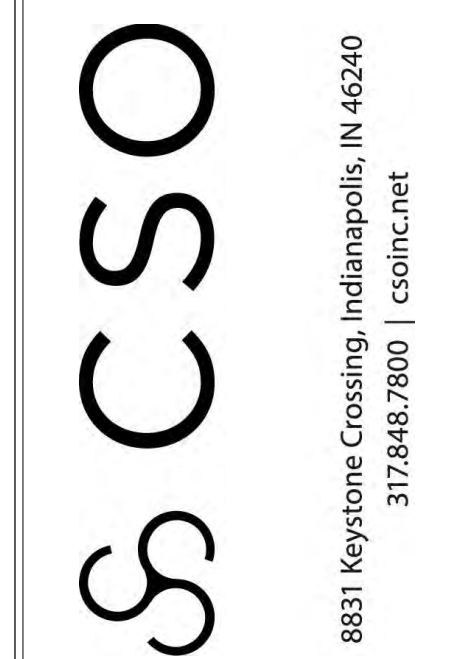
DRAWING TITLE:
FIRST FLOOR
POWER AND
SYSTEMS PLAN
UNIT B



PROJECT NUMBER
2021055/1405




- 1 NEW EXIT LIGHTING CIRCUITS TO BE #10 AWG .
- 2 NEW EXTERIOR LIGHTING CIRCUITS TO BE #10 AWG.
- 3 ADDITION ONLY - BASE BID: PROVIDE UNSWITCHED HOT FROM SAME PANEL SERVING LIGHT FIXTURE FOR EMERGENCY DRIVER VOLTAGE SENSING. ALTERNATE BID: THIS FIXTURE CONNECTED TO GTD (SEE PLAN NOTE 4). CONNECT TO EMERGENCY CIRCUIT INDICATED.
- 4 LIGHT FIXTURE EQUIPPED WITH EMERGENCY TRANSFER DEVICE (GTD). CONNECT TO A NON-SWITCHED EMERGENCY CIRCUIT. A SWITCHED PANEL CIRCUIT AND A NORMAL UNSWITCHED CIRCUIT (FROM SAME PANEL) FOR VOLTAGE SENSING. GTD TO BRING 0-10V DIMMING FIXTURES TO FULL BRIGHTNESS WITH A SINGLE UL924 DEVICE.
- 5 LIGHT FIXTURES, SWITCH / DIMMER AND OCCUPANCY SENSORS TO BE CONNECTED TO EXISTING LIGHTING CIRCUIT SERVING ROOM/AREA. REFER TO POWER PACK WIRING DIAGRAMS ON E303. TYPICAL ALL EXISTING AREAS.
- 6 NEW LIGHT FIXTURES THIS ROOM / CORRIDOR TO REPLACE EXISTING FIXTURES IN NEW GRID / WALL, SAME LOCATION.
- 7 NEW LIGHT FIXTURE LAYOUT THIS ROOM. EXTEND WIRING IF REQUIRED.
- 8 EXISTING CORRIDOR LIGHT FIXTURES CONTROLLED BY TIME CLOCK IN OFFICE. EXTEND CIRCUITS TO NEW FIXTURES AS INDICATED.
- 9 EXTEND NEAREST EXISTING EMERGENCY CIRCUIT TO NEW EMERGENCY LIGHT FIXTURES IN EXISTING BUILDING.
- 10 NEW LIGHT FIXTURES IN EXISTING TO REMAIN CEILING, SAME LOCATION.
- 11 NEW LIGHT FIXTURES IN EXISTING TO REMAIN CEILING, ADAPT GRID TO INSTALL 2X4 FIXTURES
- 12 NEW EXIT LIGHT IN SAME LOCATION. CONNECT TO EXISTING EXIT LIGHT CIRCUIT.
- 13 COORDIOR EMERGENCY FIXTURES TO BE CONNECTED TO EXISTING EMERGENCY CIRCUIT ONLY.
- 14 THIS FIXTURE LOCATED ABOVE THE DOOR.



SCOPE DRAWINGS:
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The drawings do not necessarily indicate or describe all work required for full performance and completion of the requirements of the Contract.
On the basis of the general scope indicated or described the trade contractors shall furnish all items required for the proper execution and completion of the work.

ISSUE DATE	DRAWN BY	CHECKED BY
09/19/2022	SGD	WWH

CERTIFIED BY:



A circular professional engineer seal for the State of Indiana. The outer ring contains the text "WOODLAND WARD NO. 1" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by a star. The inner circle contains the word "REGISTERED" at the top, "No. PE60021458" in the center, and "STATE OF INDIANA" at the bottom. A handwritten signature is scrawled across the bottom of the seal.

PROJECT NUMBER
2021055/1405

1 FIRST FLOOR LIGHTING PLAN - UNIT A
1/8" = 1'-0"

