

ADDENDUM NO. 3

December 16, 2021

CADILLAC AREA PUBLIC SCHOOLS Cadillac High School Addition & Renovations

400 Linden Street
Cadillac, MI 49601

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 November 3, 2021, by TowerPinkster. 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 3-1 through 3-3, dated December 16, 2021, TowerPinkster Addendum No. 3, dated December 14, 2021, consisting of 5 pages, Specification Sections: 09 83 16 and 32 17 23, Drawings: C 101.2, L 003.2, A 601.2D, A 601.2G, A 601.2K, A602.2K, A 610.2, A 621.2, A 622.2, A 623.2, A 624.2, A 625.2, A 631.2, A 632.2, A 633.2, A 634.2, A 635.2, A 636.2, P 000.2H, M 201.2F, E 101.2D, E 431.2, and E 444.2.

A. SPECIFICATION SECTION 00 20 00 – INFORMATION AVAILABLE TO BIDDERS

Add the following:

1. Soil Boring Map (Triterra Environmental Construction Management Plan issued in Addendum No. 1).

B. SPECIFICATION SECTION 00 31 00 – BID FORM (REISSUED)

1. Replace with attached revised Bid Form. **NOTE REVISED DESCRIPTION FOR ONE ALTERNATE AND ADDED ONE NEW ALTERNATE.**

C. SPECIFICATION SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

1. Reissued to include additions and deletions of specification sections associated with different bid categories.

D. SPECIFICATION SECTION 01 23 00 – ALTERNATES (REISSUED)

1. Paragraph 1.03 Schedule of Alternates

Revise the following:

Q. ALTERNATE NO. 10 revise to read:

R. Alternate No. 11 – Technology-Provide Sapling Talkback Functionality.

Add the following:

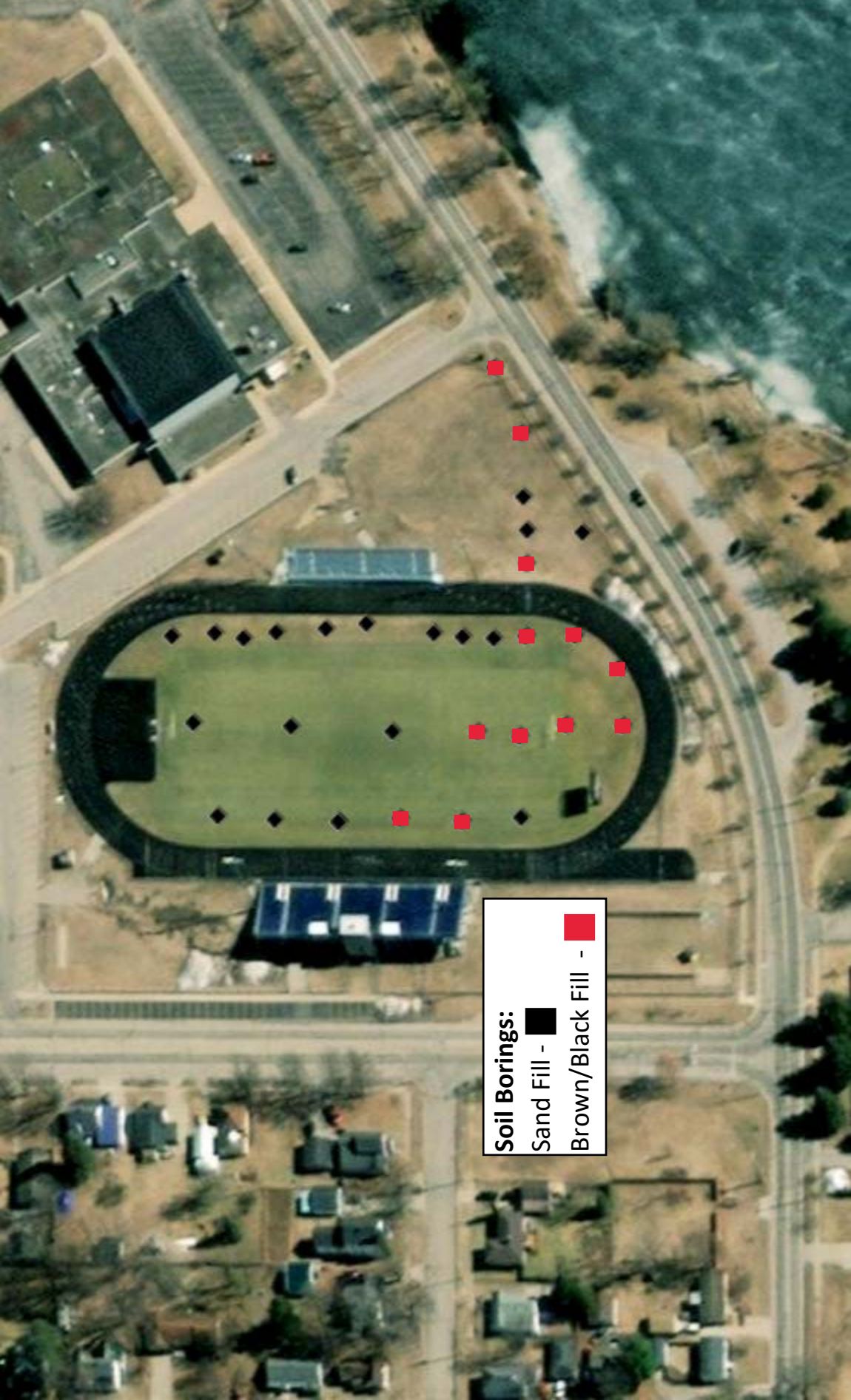
Q. ALTERNATE NO. 10: Lining of Existing Cast Iron Sanitary Piping. Provide price to add pipe lining to the existing 6” cast iron sanitary pipe located below Instrumental Room 212. Length of pipe is approximately 50 feet. Provide system similar to National Liner Cured – In – Place Pipeline Rehabilitation System consisting of a polyester felt liner with a thermosetting resin

E. RFI LOG

1. Refer to the attached Request for Information (RFI) Log, dated December 15, 2021.

F. PRE-AWARD CONFERENCE SCHEDULE

1. Refer to the attached Pre-award Conference Schedule.



Soil Borings:

Sand Fill - 

Brown/Black Fill - 

(Amended for Cadillac Area Public Schools)

CONTRACTOR'S BID FOR PUBLIC WORKS

Cadillac High School Addition & Renovations
Cadillac Area Public Schools
Wexford County

PART I

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

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 materials necessary to complete the construction work for:

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

of public works project, **Cadillac High School Addition & Renovations** in accordance with Plans and Specifications prepared by **TowerPinkser, 4 East Fulton Street, Suite 200, Grand Rapids, MI 49503**, as follows:

BASE BID

For the sum of _____
(sum in words)

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

****BREAKDOWN OF BASE-BID (FOR ACCOUNTING
PURPOSES ONLY)****

Bid Category No. 21 MECHANICAL to provide cost included in Base-Bid for MECHANICAL EQUIPMENT ONLY required for entire project:

Cost DOLLARS (\$_____)

Bid Category No. 12 ALUMINUM WINDOWS, GLAZING, ENTRANCES AND STOREFRONT to provide cost included in Base-Bid for MATERIALS ONLY required for entire project:

Cost DOLLARS (\$_____)

FOR ACCOUNTING PURPOSES ONLY

The undersigned acknowledges receipt of the following Addenda:

Receipt of Addenda No.(s)_____

PROPOSAL TIME

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.

Attended pre-bid conference YES _____ NO

Has visited the jobsite YES _____ NO

The Bidder must attach to this bid, the sworn and notarized affidavit (attached at the end of this Bid Form) disclosing any familial relationship between the Owner or an employee of the bidder and any member of the District's Board or the Superintendent of the District.

The Bidder has reviewed the Guideline Schedule in Section 01 32 00 and the intent of the schedule can be met. _____ YES _____ NO

The undersigned further agrees to furnish a bond or certified check with this Bid for an amount specified in the Notice to Bidders. If Alternate Bids apply, submit a proposal for each in accordance with the Plans and Specifications.

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”.

****MARK "ADD" OR "DEDUCT" FOR EACH ALTERNATE****

Alternate Bid No. 1 – Existing building re-roofing, (Area #1 through Area #6).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 1A – Existing Building Re-Roofing (Area #1).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 1B – Existing Building Re-Roofing (Area #2).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 1C – Existing Building Re-Roofing (Area #3).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 1D – Existing Building Re-Roofing (Area #4).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 1E – Existing Building Re-Roofing (Area #5).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 1F – Existing Building Re-Roofing (Area #6).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 2 – Provide Snow Melt System at Building Entrances.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 3 – Provide Watermain Removal and Replacement.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 4 – Provide Post Tension Concrete Tennis Courts.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 5 – Provide Corridor (COR6) Ceiling Replacement.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 6 – Provide Painting at Competition Gym.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 7A – Provide Synthetic Field Turf at Football Stadium (44oz. and 2 fiber system).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 7B – Provide Synthetic Field Turf at Football Stadium (52 oz. and 3 fiber system).

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 8 – Provide Performance Shock Pad for Synthetic Field Turf.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 9 – Provide a ¾-inch water service extension to the future tennis court pavilion and related additional removal and replacement of existing improvements necessary for this water service extension.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 10 – Lining of existing cast iron sanitary piping.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

Alternate Bid No. 11 – Technology-Provide Sapling Talkback Functionality.

Change the Base Bid the sum of _____
(sum in words)
_____ DOLLARS (\$_____) ADD
(sum in figures) DEDUCT

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 sale.

OATH AND AFFIRMATION

I affirm under the penalties of perjury that the foregoing facts and information are true and correct to the best of my knowledge and belief.

Dated at _____ this _____ day of _____, 20____.

(Name of Organization)

By _____
(Title of Person Signing)

ACKNOWLEDGEMENT

STATE OF _____)

) SS:

COUNTY OF _____)

_____ being duly sworn, deposes and says that

he is _____ of the above _____
(Title) (Name of Organization)

and that the statements contained in the foregoing Bid, certification and Affidavit are true and correct.

Subscribed and sworn to before me this _____ day of _____, 20 ____.

Notary Public

My Commission Expires: _____

County of Residence: _____

PART II

(Complete sections I, II, and III for all state and local public works projects)

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?

Contract Amount	Class of Work	When Completed	Name and Address of Owner

2. What public works projects has your organization now in process of construction:

Contract Amount	Class of Work	When Completed	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.
2. If you intend to sublet any portion of the Work, state the name and address of each subcontractor, equipment to be used by the subcontractor, and whether you expect to require a bond.
3. What equipment do you intend to use for the proposed Project?
4. Have you made contracts or received offers for all materials within prices used in preparing your proposal? _____ yes _____ no.

SECTION III 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 to the best of my knowledge and belief.

IN TESTIMONY WHEREOF, The Bidder has hereunto set his hand this

_____ day of _____, 20_____.

Bidder:_____

IN TESTIMONY WHEREOF, The Bidder (a firm) have hereunto set their hands this

_____ day of _____, 20_____.

Firm Name: _____

By:_____

Individual names:_____

IN TESTIMONY WHEREOF, The Bidder (a corporation) has caused this proposal to be signed by its President and Secretary and affixed its corporate seal this _____ day of _____ , 20 _____.

Name of Corporation: _____

President: _____

Secretary: _____

ACKNOWLEDGEMENT

STATE OF _____)

) SS:

COUNTY OF _____)

_____ being duly sworn, deposes and says that

he is _____ of the above _____
(Title) (Name of Organization)

and that the answers to the questions in the foregoing questionnaires and all statements therein contained are true and correct.

Subscribed and sworn to before me this _____ day of _____, 20 ____.

Notary Public

My Commission Expires: _____

County of Residence: _____

The undersigned, the Owner or authorized officer of _____ (the 'Bidder'), pursuant to the familial disclosure requirement provided in the _____ (the 'School District') advertisement for construction bids, hereby represent and warrant, except as provided below, that no familial relationships exist between the Owner(s) or any employee of _____ and any member of the Board of Education of the School District or the Superintendent of the School District.

Its: _____

This instrument was acknowledged before me on the ____ day of _____, 20__, by _____.

Acting in the County of: _____

SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Prime Contract, including amended General Conditions and other Division 1 Specification Sections, apply to Work of this Section.

1.02 SUMMARY

- A. The intent of this Section is to indicate the Work required by the Contractors and to provide information regarding the duties, responsibilities, and cooperation required by the Contractors, with similar requirements for the subcontractors and suppliers.
- B. Owners right to maintain current operations
- C. Occupancy requirements
- D. Work by Owner
- E. Permits, fees, and notices
- F. Labor and materials
- G. Verifications of existing dimensions
- H. Project security
- I. Coordination of work
- J. Time of commencement and completion
- K. Schedule of contract responsibilities

1.03 WORK UNDER SEPARATE CONTRACTS

- A. Prime Contracts are defined to include the following contracts described in the Schedule of Contract Responsibilities included hereinafter; and each is recognized to be a major part of the project, with Work to be performed concurrently and in close coordination with Work of other Prime Contracts.
- B. The "Contract Documents," as defined in the General Conditions, include "the Drawings." Although Drawings are grouped and identified by classification of the Work, Contractors shall be responsible for their Work as specified herein and as

indicated on the Drawings. Although the majority of the Drawings are "to scale," Contractors are directed to use indicated dimensions for determining material quantities and for other reasons. No additional monies will be allowed due to Contractors using "scaling instruments" to determine material quantities or for other reasons.

- C. Separate prime contracts will be awarded as per the **"Schedule of Contract Responsibilities"** (see Part 3 – Execution). Contractors shall include Work required by the Specifications and Drawings for each contract area defined in the Schedule.
- D. Work for the complete construction of the Project will be under multiple prime contracts with the Owner. The Construction Manager will manage the construction of the Project.
- E. Each Contractor shall be responsible for demolition and disposal of existing items relative to his Contract.

1.04 ADMINISTRATIVE RESPONSIBILITIES OF PRIME CONTRACTORS AND CM

- A. The Construction Manager shall be responsible for the maintenance of the Construction Schedule and management of every phase of the Work.
 - 1. Each Contractor shall read the Specifications and Drawings for other separate Contracts for fixed equipment and the like to be incorporated or attached or built in to the Work; and familiarize himself with the requirements and responsibilities of other Contracts to enable the required coordination and supervision.
 - 2. Each Contractor shall also familiarize himself with other items to be incorporated into the Work including equipment and Work by the Owner.
 - 3. Each Contractor shall cooperate with the Construction Manager in notifying him when the Work is at a stage to require the services of other Contractors and shall notify the Construction Manager in the event that such other Contractors do not carry out their responsibilities in connection with such notification.
- B. Contractors shall cooperate with and assist the Construction Manager in the preparation of construction progress and procedures, schedule of product deliveries, and their effect on the overall project progress and completion. Other Contractors shall cooperate in getting their Work and the Work of their subcontractors completed according to the schedule as prepared and maintained by the Construction Manager. Each Contractor shall immediately notify the Construction Manager of a delay in delivery of products or the scheduled date of completion that may affect the total progress of construction.
- C. The Owner will furnish the topographical survey, either as a part of these Drawings or separately, giving the general topographical lines existing at the site and the property lines.

- D. Contractors required to make connections to existing utilities, especially sewerage where gravity flow occurs, shall verify grades and locations at points of such connections and shall notify the Construction Manager of circumstances which would adversely affect the proper flow or connection to such facilities.

1.05 PRIME CONTRACTORS USE OF PREMISES

- A. Use of the Site: Limit use of the premises to work in areas indicated. Confine operations to areas within contract limits indicated. Do not disturb portions of the site beyond the areas in which the Work is indicated.
 - 1. Owner Occupancy: Allow for Owner occupancy and use by the public.
 - 2. Driveways and Entrances: Keep driveways and entrances serving the premises clear and available to the Owner, the Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.
- B. Use of the Existing Building: Maintain the existing building in a weathertight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period.

1.06 OWNERS RIGHT TO MAINTAIN OPERATIONS

- A. During the course of this Project, normal and customary functions and operations must be maintained. The Contract Documents are intended to define a strict separation between the school activities of students and staff from the activities of the construction project.
- B. The Construction Manager, Architect, and Owner will not tolerate any visible or audible actions initiated or responded to by any employees of Contractors on this Project toward any students, teachers, or staff members at the school system. Violators shall be promptly removed from the site.
- C. The Owner intends to instruct students, teachers, and staff to refrain from communications with Contractor's personnel working on this Project. All communication with Owner and staff shall be through the Construction Manager.
- D. Contractors must expend their best effort toward protection of the health, safety, and welfare of occupants on the Owner's property during the course of Work on this Project.
- E. Contractors and Subcontractors shall be subject to such rules and regulations for the conduct of the Work as the Owner may establish. Employees shall be properly and completely clothed while working. Bare torsos, legs and feet will not be allowed. Possession or consumption of alcoholic beverages or drugs, tobacco or

other noxious behavior on the site is strictly prohibited. Violators shall be promptly removed from the site. Smoking is not permitted on school property or within school buildings.

1.07 OCCUPANCY REQUIREMENTS

- A. Partial Owner Occupancy: The Owner reserves the right to occupy and to place and install equipment in completed areas of the building prior to Substantial Completion, provided such occupancy does not interfere with completion of the Work. Such placing of equipment and partial occupancy shall not constitute acceptance of the total Work.
 - 1. The Construction Manager will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied prior to Owner occupancy.
 - 2. Party which obtained general building permit shall obtain a Certificate of Occupancy from local building officials prior to Owner occupancy.
 - 3. Prior to partial Owner occupancy, mechanical and electrical systems shall be fully operational. Required inspections and tests shall have been successfully completed. Upon occupancy, the Owner will operate and maintain mechanical and electrical systems serving occupied portions of the building.
 - 4. Upon occupancy, the Owner will assume responsibility for maintenance and custodial service for occupied portions of the building.

1.08 WORK BY OWNER

- A. The Owner intends to complete the following items of Work outside the provisions of these Contract Documents. Contractors shall not restrict or interfere with the Owner's right to the Project to accomplish this Work.
 - 1. Equipment and furniture except as scheduled and specified under Divisions 11 and 12 and shown on the Drawings.
 - 2. Items which may be deleted from Contracts for Work as required by the Contract Documents.
 - 3. Existing school maintenance work.
 - 4. The purchase and supplying of certain materials as noted in the Project Manual.
 - 5. The Owner, under separate contract, shall provide removal of identified hazardous materials from the existing structure. The asbestos report is available through the Construction Manager upon request.
 - 6. Other items TBD.

1.09 PERMITS, FEES, AND NOTICES

- A. Construction Manager will secure the general building permit for the Owner. Each Contractor shall secure and pay for other permits, governmental fees, and licenses necessary for the proper execution and completion of the Contractors Work. Fees

to relocate utilities on Owner's property shall be included in the bid of the Contractor doing the relocation.

1. The Owner shall pay for the cost of the Building Permit.
 2. State filing fees for plan approval are the responsibility of the Owner and will be paid by the Owner.
- B. Utility Tie-Ins: Shall be arranged with local utility company and other involved parties for minimum interruption of service.
- C. Shutdowns of existing systems shall be limited to minimum time required and scheduled with other involved parties. Provide 2 days written notice of shutdown to Construction Manager and Owner.
- D. Inspections of installed work shall be performed by the governing authority as arranged for by the Contractor. Work shall not be covered until approved.
- E. Each Contractor shall give notices and comply with laws, ordinances, rules, regulations, and orders of public authorities bearing on the performance of his Work. If a Contractor observes that the Contract Documents are at variance therewith, he shall promptly notify the Construction Manager in writing, and necessary changes shall be adjusted by appropriate notification. If a Contractor performs Work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the Construction Manager, he shall assume full responsibility therefore and shall bear the costs attributable thereto.

1.10 LABOR AND MATERIALS

- A. Unless otherwise specifically noted, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of his Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.
- B. Each Contractor shall enforce strict discipline and good order among his employees or other persons carrying out Work of his Contract and shall not permit employment of unfit person or persons or anyone not skilled in the task assigned to them.
- C. Prime Contractors must furnish a letter to the Construction Manager, stating that Contractor shall not assign any of its employees, agents or other individuals to perform any services in the District's facilities or program sites if that individual:
1. Is listed on the Michigan Sex Offender Registry, www.mipsor.state.mi.us.
 2. Is listed on the Federal Sex Offender Registry www.nsopw.gov.
 3. Has not passed a 5-50 drug screen, testing negative for the following drugs:
 - a. Amphetamines
 - b. Methamphetamines
 - c. Cocaine
 - d. Codeine

- e. Methadone
- f. Morphine
- g. Phencyclidine (PCP)
- h. Marijuana

- D. ID Stickers will be issued by The Skillman Corporation upon receipt of verification from the Contractor that the employee/subcontractor employee or independent contractor has a satisfactory record to work on the Project. Stickers will be numbered and numbers assigned to each worker to be worn on their hardhat. It is the Contractor's responsibility to maintain a record of contractor's name assigned each number and provide to The Construction Manager upon request.
- E. Consistent with Michigan law, possession or consumption of drugs on school property will promptly be reported to the local police. Consumption of alcoholic beverages or tobacco or other noxious behavior on school owned property is strictly prohibited. Violators shall be promptly removed from the site. Smoking is not permitted on school property or within school buildings.

1.11 CUTTING AND PATCHING

- A. Refer to Section 01 73 10 – Cutting and Patching, for provisions on this subject.

1.12 VERIFICATIONS OF EXISTING DIMENSIONS

- A. When verification of existing dimensions is required, the Contractor requiring said verification for the construction or fabrication of his material shall be the Contractor responsible for the procurement of the field information.

1.13 PROJECT SECURITY

- A. Each Prime Contractor shall take all reasonable precautions to prevent injury, damage or loss to people and property in, on and adjacent to the project. This shall include not only their own work or property but that of other contractors and the Owner.
- B. If deemed necessary by The Construction Manager a project wide security program may be developed for the purpose of preventing damage or loss at the project site or property adjacent thereto. Once accepted by the Owner, contractors shall comply.

1.14 SCHEDULE OF CONTRACT RESPONSIBILITIES - SCOPE

- A. Contractors shall submit their proposals based on the work included under each contract area as listed herein. Include Work necessary for a complete project, as shown on the Drawings and called for in the Specifications.
- B. Questions concerning the phasing or "Schedule of Contract Responsibilities" should be directed to the Construction Manager, who will be the interpreter and be

responsible for this Schedule of Contract Responsibilities and Contract Breakdown, prior to submitting proposals and during construction.

- C. The requirements of Division 1 are a part of the Work of each and every contract area. The Contractor for any one contract area shall be familiar with the Work and requirements of all other contract areas.
- D. Certain Specification Sections describe Work to be performed under several contract areas. (Example: 06 10 00 - Rough Carpentry.) Provide Work of this nature as required for each contract area whether or not enumerated in the Schedule of Contract Responsibilities.
- E. The following contract areas are broken down by Specifications Section conforming basically to the CSI format.
- F. The Drawings and Specifications as furnished for each of the Contracts is for the convenience of the Contractor in preparing a proposal for this Project. However, each Contractor is responsible to review the complete set of Drawings and Specifications to assure that Work required to be installed to complete his phase of the Work is included in his proposal. This "Schedule of Contract Responsibilities" is a definition of the work as it is to be bid in separate contracts. Where a specific item of Work is not defined, but is normally inherent to a trade, or is included in the scope of the applicable technical revision, it will be the responsibility of that Contractor to include the Work in his proposal.
- G. This "Schedule of Contract Responsibilities" is to aid each Contractor in defining the Scope of Work to be included in his proposal. However, omissions from this "Schedule of Responsibilities" do not relieve the Contractor from including in his proposal that Work which will be required to complete his Contract. Each Contractor should read the "Schedule of Contract Responsibilities" completely to familiarize himself with the Work of other Contractors that may have Work in adjacent areas and to coordinate the interfacing problems that may occur as the work is assembled and constructed.
- H. Where specific Work is to be completed under a particular phase of the Project and the Work is wholly or partially completed by other trades because of the type of work involved or jurisdictional trade agreements, the Contractor will be responsible to subcontract the Work as necessary to complete the Work included in his Contract. No delay in the Work will be allowed due to the failure of the Contractor to subcontract related work required by jurisdictional trade agreements.

1.15 COORDINATION OF WORK

- A. Each Contractor is responsible to coordinate his Work with the Work of other trades and other Contractors and requirements of the school system. The Contractor must make space allowances for Work of other Contractors, provide necessary openings

where indicated or implied by the Drawings and Specifications. Each Contractor is responsible to protect his own Work.

1.16 TIME OF COMMENCEMENT AND COMPLETION

- A. The Contractor shall commence work within ten (10) days after being notified in writing to proceed and shall complete the Work within the time limitations established in the Form of Agreement.
1. It is anticipated that construction will start within **40** calendar days after receipt of bids.
 2. Construction shall be complete within **948** consecutive calendar days, or earlier, after Notice to Proceed.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

3.01 SCHEDULE OF CONTRACT RESPONSIBILITIES

3.02 GENERAL REQUIREMENTS

A. PROVIDED BY OWNER THROUGH THE CONSTRUCTION MANAGER

Section	01 32 00	Schedules and Reports
Section	01 45 10	Testing Laboratory Services
Section	01 59 10	Project Office
Section	01 71 50	Final Cleaning

B. PROVIDED BY ALL CONTRACTORS AS APPLICABLE

Section	01 12 00	Multiple Contract Summary
Section	01 23 00	Alternates
Section	01 25 00	Contract Modification Procedures
Section	01 28 00	Schedule of Values
Section	01 29 00	Applications for Payment
Section	01 31 00	Project Meetings
Section	01 32 00	Schedules and Reports
Section	01 33 00	Submittal Procedures
Section	01 45 10	Testing Laboratory Services (Paragraph 1.05)
Section	01 50 50	Temporary Facilities and Controls
Section	01 54 60	Environment Protection
Section	01 54 80	Utility Protection
Section	01 56 30	Water Control
Section	01 56 90	Housekeeping & Safety
Section	01 59 20	Offices and Sheds
Section	01 60 00	Product Requirements
Section	01 72 50	Work Layout
Section	01 73 10	Cutting and Patching
Section	01 77 00	Contract Closeout

All Contractors shall provide their Superintendents with radios capable of handling multiple channels and compatible with radios used by the Construction Manager.

All contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor, however, at a minimum your site personnel will be required to use this product to facilitate communication. PlanGrid will be used for the current construction documentation to include, current set, addenda, ASI, As Built Conditions, QA/QC, and Punch List. Visit the www.PlanGrid.com to determine subscription pricing. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents

C. **PROVIDED BY DESIGNATED CONTRACTORS**

Section	01 21 00	Allowances
Section	01 51 10	Temporary Electricity, Lighting and Warning Systems
Section	01 51 30	Temporary Heating, Ventilation and Cooling
Section	01 51 50	Temporary Water
Section	01 51 60	Temporary Sanitary Facilities
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	01 53 10	Fences (Temporary Security)
Section	01 53 20	Tree and Plant Protection
Section	01 53 30	Barricades
Section	01 55 00	Access Roads and Parking Areas
Section	01 56 20	Dust Control
Section	01 56 80	Erosion Control
Section	01 57 60	Project Signs
Section	01 72 00	Field Engineering

3.03 BID CATEGORIES

A. **BID CATEGORY NO. 1 – BUILDING DEMOLITION**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 50 50	Temporary Facilities and Controls
Section	02 41 16	Structure Demolition

Clarifications:

1. Additional mobilizations may be required due to various reasons including, but not limited to, sequence of work, winter construction, or access points into the building. Remobilization costs shall be included as necessary, regardless of intent of Guideline Schedule outlining a work category to occur continuously and/or in a single mobilization.
2. Provide recovery of refrigerant according to EPA regulations by a qualified recovery technician.

3. Provide temporary shoring as required to perform the work as noted in demolition specifications.
4. Existing utility Tie-Ins/Disconnect/Removals shall be arranged with local utility providers and coordinated with Mechanical, Plumbing and Electrical Contractors. All costs associated with disconnecting/tie-in/removal must be included in the Base-bid.
5. Bid Category no. 4 Sitework contractor will provide backfilling and compacting for below grade structure removal. Coordinate backfilling operations as required.
6. Rubbish Containers specified in section 01 52 60 shall **not** be used by Bid Category No.1.
7. Procure permits for your work. Costs of all permits to be included in base-bid.

B. BID CATEGORY NO. 2 – GENERAL TRADES

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 60	Temporary Sanitary Facilities
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	01 53 10	Fences (Temporary Security)
Section	01 53 30	Barricades
Section	01 57 60	Project Signs
Section	01 72 00	Field Engineering
Section	02 41 19	Selective Demolition
Section	03 30 00	Cast-in-Place Concrete (As applicable)
Section	05 58 13	Column Covers
Section	06 10 00	Rough Carpentry
Section	06 16 00	Sheathing (As applicable)
Section	07 21 00	Thermal Insulation (As applicable)
Section	07 42 13.13	Formed Metal Wall Panels
Section	07 42 13.23	Metal Composite Material Wall Panels
Section	07 95 13.13	Interior Expansion Joint Cover Assemblies
Section	07 95 13.16	Exterior Expansion Joint Cover Assemblies
Section	08 06 71	Door Hardware Schedule (As applicable)
Section	08 11 13	Hollow Metal Doors And Frames
Section	08 14 16	Flush Wood Doors
Section	08 31 13	Access Doors and Frames
Section	08 33 26	Overhead Coiling Grilles
Section	08 71 00	Door Hardware (As Applicable)
Section	09 64 66	Wood Athletic Flooring
Section	10 11 00	Visual Display Units
Section	10 14 19	Dimensional Letter Signage
Section	10 14 26	Post and Panel - Pylon Signage
Section	10 14 53	Traffic Signage

Section	10 21 13.19	Plastic Toilet Compartments
Section	10 26 00	Wall and Door Protection
Section	10 28 00	Toilet, Bath, and Laundry Accessories
Section	10 44 13	Fire Protection Cabinets
Section	10 44 16	Fire Extinguishers
Section	10 75 16	Ground-Set Flagpoles
Section	11 68 23	Exterior Athletic Equipment
Section	11 68 34	Football Goal Post
Section	11 68 36	Soccer Goal (Portable)
Section	11 68 40	Field Event Construction
Section	12 24 13	Roller Window Shades
Section	12 36 61.16	Solid Surfacing Countertop (Deleted in Addendum 3)
Section	12 66 00	Telescoping Stands
Section	13 34 23.10	Prefabricated Ticket Booth
Section	14 21 23.16	Machine-Room-Less Electric Traction Passenger Elevators
Section	32 31 13	Chain Link Fences and Gates (sf0)
Section	32 31 19	Decorative Metal Fences and Gates
Section	32 39 00	Miscellaneous Site Specialties
Section	32 71 00	Athletic Equipment

Clarifications:

1. Access panels shown on drawings will be provided by General Trades. Access Panels not shown on the drawings but required, must be provided by contractor performing the work.
2. Provide all wood blocking, nailers, wood sheathing, plywood, etc. for roof assembly.
3. Provide all blocking or backing required for all trades and Owner provided equipment. All trades are to supply layout drawings and requirements prior to framing of individual areas.
4. Each Contractor shall protect finish surfaces of their installed work and finish surfaces encountered during the performance of their work.
5. Provide material, labor and equipment allowance of \$20,000 in Base-Bid for temporary enclosures per specification section 01 52 10 Construction Aids and Temporary Enclosures. Installation and removal will be at the discretion of Construction Manager. Any unused allowance will be returned to the Owner through a deduct Change Order.
6. Provide concrete work associated with Bid Category No. 2 General Trades scope of work.
7. Provide sweeping compound and 380 labor hours at laborer's pay rate (including all fringe benefits and payroll expenses) for general building and site clean-up (or other work) to be performed at the direction of the Construction Manager. At the end of the project, unused hours will be converted into a dollar amount per Wage Scale (including fringe benefits) and returned to the Owner through a deduct Change Order.
8. Provide all door hardware components for doors in Bid Category No. 2.
9. Provide wood base for all metal lockers.
10. Provide glazing in factory glazed wood doors.

11. Additional mobilizations may be required due to various reasons including, but not limited to, sequence of work, winter construction, or access points into the building. Remobilization costs shall be included as necessary, regardless of intent of Guideline Schedule outlining a work category to occur continuously and/or in a single mobilization.
12. Bid Category 15 Joint Sealants will provide joint sealants exposed to view. Provide sealant joints not exposed to view.
13. Refer to specification section 01 72 00 Field Engineering in its entirety. Provide and maintain building and site control points and benchmark elevations for the duration of the project.
14. Provide rigid insulation at all top of wall conditions, reference typical top of wall detail 1A on Sheet A334.2.
15. Provide all plastic bollard covers.
16. Provide new radius point markers in football field, refer to sheet L501.3.
17. Prep Auditorium floor to receive new finishes after demolition.
18. Provide Electronic Message Sign with letters cut outs per Sheet A356.2. Bid Category No. 6 Masonry will provide all masonry work – CMU and Cast Stone with Stainless Steel Anchors required for exterior Monument Sign. Bid Category No. 3 Concrete to provide layout, excavation, backfill, concrete footings, foundations, rebars/dowels, etc.

C. BID CATEGORY NO. 3 - CONCRETE

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	03 30 00	Cast-in-Place Concrete
Section	03 30 53	Concrete Turf Anchor
Section	03 35 43	Polished Concrete Finishing
Section	07 17 00	Bentonite Waterproofing
Section	07 21 00	Thermal Insulation (As applicable)
Section	07 26 00	Vapor Retarders
Section	31 31 16	Termite Control
Section	32 13 13	Concrete Paving
Section	32 13 73	Concrete Paving Joint Sealants

Clarifications:

1. Provide all below grade insulation for footings, foundations, and under concrete slab on grade.
2. Provide concrete housekeeping/equipment pads as shown on drawings, refer to civil and mechanical drawings. Any Contractors requiring concrete housekeeping pads which are not shown on the drawings shall include costs to provide in their bid.
3. Provide grouting of structural steel base plates to columns.
4. Provide installation of concrete filled steel stair pans, posts and bollards. Steel posts and bollards will be furnished by Bid Category No. 7 Structural and Miscellaneous Steel.
5. Provide topping at hollow core pre-cast concrete areas.
6. Routinely remove concrete spoils from the project site.
7. Provide fine grading of sand/subbase material prior to all concrete placement.

8. Additional mobilizations may be required due to various reasons including, but not limited to, sequence of work, winter construction, or access points into the building. Remobilization costs shall be included as necessary, regardless of intent of Guideline Schedule outlining a work category to occur continuously and/or in a single mobilization.
9. Bid Category No. 4 Sitework to provide granular material/sand and aggregate subbase for asphalt paving **for Parking Lots, drives, and Tennis Courts**, concrete paving, curbs, walks, slab on grade, etc.
10. Bid Category No. 7 Structural and Miscellaneous Steel will provide anchor bolts and embeds to Bid Category No. 3 Concrete contractor for installation.
11. Bid Category No. 4 Sitework contractor to provide excavation, backfill and compaction for footings, foundations, and Slab on grade per layout provided by Bid Category No. 3 Concrete for Utility Enclosure.
12. Provide installation of utility enclosure steel posts, base plates, and bollards (typical), material furnished by Bid Category No. 7 Structural and Miscellaneous Steel Contractor.
13. **Provide concrete collar/apron at Tennis courts added in Addendum 3 Item No. D-10. Bid Category No. 2 General Trades will provide all concrete associated with Fence Posts at Tennis Courts.**
14. **Bid Category No. 2 General Trades will provide Electronic Message Sign with letters cut outs per Sheet A356.2. Bid Category No. 6 Masonry will provide all masonry work – CMU and Cast Stone with Stainless Steel Anchors required for exterior Monument Sign. Bid Category No. 3 Concrete to provide layout, excavation, backfill, concrete footings, foundations, rebars/dowels, etc.**
15. **Bid Category No. 22 Plumbing to provide snowmelt system in its entirety including required insulation, reference detail B3 on Sheet C501.2. Bid Category No. 3 Concrete to provide all concrete work and installation of Trench drains in Snow Melt areas furnished by Bid Category No. 4 Sitework.**
16. **Bid Category No. 5 Asphalt Paving will provide NO work at Tennis Courts if Alternate No. 4 Post-Tensioned Concrete is accepted. Bid Category No. 4 Sitework will provide sand and aggregate similar to Base-Bid work for Asphalt tennis court per detail C6 on Sheet C501.2. Sitework Alternate work for Post-Tensioned concrete includes excavation, compaction and backfill of 12" Class II Sand subbase and 6" MDOT 22A Aggregate Base fine graded to +/- 0.10', and final fine grading of Aggregate and Concrete work by Bid Category No. 3 Concrete.**

D. BID CATEGORY NO. 4 - SITEWORK

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 56 20	Dust Control
Section	02 41 13	Demolition
Section	02 41 19	Selective Demolition
Section	31 10 00	Site Clearing
Section	31 20 00	Earth Moving
Section	31 20 10	Earthwork - Turf
Section	31 23 19	Dewatering

Section	31 32 19	Geotextile Fabric
Section	32 11 23	Aggregate Drainage Layer
Section	32 11 24	Aggregate Base Course
Section	32 14 00	Unit Paving
Section	32 84 20	Water Distribution -Turf
Section	33 41 00	Storm Utility Drainage Piping
Section	33 41 25	Utility Sleeves
Section	33 44 16	Polymeric Trough Drain
Section	33 46 00	Subdrainage
Section	33 46 05	Sub-System Turf Drintile
Section	33 46 15	Sub-System Peastone

Clarifications:

1. Provide utility sleeves and boxes shown to be installed on track.
2. Additional mobilizations may be required due to various reasons including, but not limited to, sequence of work, winter construction, or access points into the building. Remobilization costs shall be included as necessary, regardless of intent of Guideline Schedule outlining a work category to occur continuously and/or in a single mobilization.
3. Provide fine grading to +/- 0.10' for aggregate subbase for Asphalt paving.
4. Provide granular material/sand and aggregate subbase for asphalt paving **for Parking Lots, drives, and Tennis Courts**, concrete paving, curbs, walks, slab on grade, etc.
5. Each Contractor shall protect finish surfaces of their installed work and finish surfaces encountered during the performance of their work.
6. Provide excavation, backfilling, and compaction for footings and foundations per layout provided by Bid Category No. 3 Concrete for new building addition, dumpster enclosure.
7. Provide backfilling for buildings and structures including building structures demolished by Bid Category No. 1.
8. Provide all site demolition and removal as shown on sheet CD101.2 and LD001.2, in a manner to receive new finishes.
9. Provide street sweeping on regular basis at areas affected by construction traffic for the duration of the project.
10. Bid Category No. 22 Plumbing to provide sanitary and storm piping through foundation walls up to and including exterior cleanouts and frost sleeves. Reference foundation plumbing plan sheets P000 series. Bid Category No. 4 Sitework to provide storm and sanitary piping from cleanouts onto site. Bid Category No. 22 Plumbing to provide storm or sanitary piping without cleanout exiting the building minimum 5' and/or to nearest cleanout.
11. Bid Category No. 22 Plumbing to provide snowmelt system in its entirety including required insulation, reference detail B3 on Sheet C501.2. Bid Category No. 3 Concrete to provide all concrete work and installation of Trench drains in Snow Melt areas furnished by Bid Category No. 4 Sitework.
12. As part of Alternate #7A and Alternate #7B for Turf replacement, include cost to remove and dispose 500 cubic yards of contaminated soils to landfill **OR** as per cut and fill analysis allows to be used on site. Refer to 'Environmental

Construction Management Plan' dated November 19, 2021, issued in Addendum 1 and approximate soil boring areas Map issued in Addendum 3.

13. Bid Category No. 20 Fire Suppression to provide fire suppression water service piping through foundation walls up to Mechanical room, including sleeves from 5 feet outside the building. Bid Category No. 4 Sitework to provide all fire suppression water service piping from 5 feet outside building.
14. As part of Alternate No. 4 Post-Tensioned Concrete, provide all work including excavation, compaction and backfill of 12" Class II Sand subbase and 6" MDOT 22A Aggregate Base fine graded to +/- 0.10' for Post-Tensioned concrete work.
15. Bid Category No. 5 Asphalt Paving will provide **NO** work at Tennis Courts if Alternate No. 4 Post-Tensioned Concrete is accepted. Bid Category No. 4 Sitework will provide sand and aggregate similar to Base-Bid work for Asphalt tennis court per detail C6 on Sheet C501.2. Sitework Alternate work for Post-Tensioned concrete includes excavation, compaction and backfill of 12" Class II Sand subbase and 6" MDOT 22A Aggregate Base fine graded to +/- 0.10', and final fine grading of Aggregate and Concrete work by Bid Category No. 3 Concrete.

E. **BID CATEGORY NO. 5 – ASPHALT PAVING**

General requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	32 12 16	Asphalt Paving
Section	32 12 17	Hot Mix Pavement
Section	32 17 23	Pavement Markings (Addendum 3)
Section	32 18 00	Athletic and Recreational Surfacing

Clarifications:

1. Additional mobilizations may be required due to various reasons including, but not limited to, sequence of work, winter construction, or access points into the building. Remobilization costs shall be included as necessary, regardless of intent of Guideline Schedule outlining a work category to occur continuously and/or in a single mobilization.
2. Provide final grading of aggregate subbase for asphalt paving. Aggregate material is provided and fine graded to +/- 0.10' by Bid Category No. 4 Sitework.
3. Bid Category No. 5 Asphalt Paving will provide **NO** work at Tennis Courts if Alternate No. 4 Post-Tensioned Concrete is accepted. Bid Category No. 4 Sitework will provide sand and aggregate similar to Base-Bid work for Asphalt tennis court per detail C6 on Sheet C501.2. Sitework Alternate work for Post-Tensioned concrete includes excavation, compaction and backfill of 12" Class II Sand subbase and 6" MDOT 22A Aggregate Base fine graded to +/- 0.10', and final fine grading of Aggregate and Concrete work by Bid Category No. 3 Concrete.

F. BID CATEGORY NO. 6 - MASONRY

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	04 20 00	Unit Masonry
Section	07 19 00	Water Repellents
Section	07 21 19	Foamed-in Place Insulation
Section	07 25 00	Weather Barriers
Section	07 84 43	Joint Firestopping
Section	31 31 16	Termite Control (Masonry cavities only)

Clarifications:

1. Provide Masonry Cavity Wall insulation.
2. Provide grouting of all hollow metal frames present in masonry walls.
3. Provide installation of Structural Steel included but no limited to lintels, anchor bolts and bearing plates furnished by Bid Category No. 7 Structural and Miscellaneous Steel.
4. Provide modification of bottom course of masonry walls that are installed on precast plank, prior to concrete topping.
5. Provide brick at ticket booth.
6. Bid Category No. 2 General Trades will provide Electronic Message Sign with letters cut outs per Sheet A356.2. Bid Category No. 6 Masonry will provide all masonry work – CMU and Cast Stone with Stainless Steel Anchors required for exterior Monument Sign. Bid Category No. 3 Concrete to provide layout, excavation, backfill, concrete footings, foundations, rebars/dowels, etc.
7. Provide Modular brick with a height of 2-1/4" in lieu of brick height shown as 3-5/8" in specification section 04 2000 Unit Masonry.

G. BID CATEGORY NO. 7 – STRUCTURAL & MISC. STEEL

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	05 12 00	Structural Steel Framing
Section	05 21 00	Steel Joist Framing
Section	05 31 00	Steel Decking
Section	05 50 00	Metal Fabrications
Section	05 51 13	Metal Pan Stairs
Section	05 52 13	Pipe and Tube Railings

Clarifications:

1. Provide anchor bolts and embeds to Bid Category No. 3 Concrete contractor for installation.
2. Additional mobilizations may be required due to various reasons including, but not limited to, sequence of work, winter construction, or access points into the building. Remobilization costs shall be included as necessary, regardless of intent of Guideline Schedule outlining a work category to occur continuously and/or in a single mobilization.
3. Furnish utility enclosure steel posts, base plates, and bollards (typical) to Bid Category No. 3 Concrete Contractor for installation.

4. Bid Category No. 6 Masonry will provide installation of lintels and bearing plates furnished by Bid Category No. 8 Structural and Miscellaneous Steel.
5. Provide 'Veteran's Memorial Stadium' steel arch at Stadium Entry piers, reference sheet A358.2.

H. BID CATEGORY NO. 8 – PRECAST CONCRETE

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	03 41 00	Precast Structural Concrete

Clarifications:

1. Provide integral grouting of hollow core precast slabs at all areas of placement, including but not limited to precast-to-precast grouting and precast to Masonry reinforcements and precast to structural steel.
2. Provide and maintain weep holes on precast plank cores, provide weld plates cast into planks, provide mechanical openings, etc. and indicate all details on shop drawings.

I. BID CATEGORY NO. 9 – METAL STUDS, DRYWALL, & ACOUSTICAL CEILINGS

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	05 40 00	Cold-Formed Metal Framing
Section	05 44 00	Cold-Formed Metal Trusses
Section	06 16 00	Sheathing (As applicable)
Section	07 13 26	Self-Adhering Sheet Waterproofing
Section	07 21 00	Thermal Insulation (As applicable)
Section	07 24 13	Polymer-Based Exterior Insulation and Finish System (EIFS)
Section	07 27 15	Nonbituminous Self-Adhering Sheet Air Barriers
Section	07 81 00	Applied Fireproofing
Section	07 81 23	Intumescent Fireproofing
Section	07 84 43	Joint Firestopping
Section	09 21 16.23	Gypsum Board Shaft Wall Assemblies
Section	09 22 16	Non-Structural Metal Framing
Section	09 29 00	Gypsum Board
Section	09 51 13	Acoustical Panel Ceilings
Section	09 54 33	Linear Metal Ceilings (Addendum 1)
Section	09 83 16	Acoustic Ceiling Coating (Addendum 3)
Section	09 84 33	Sound Absorbing Wall Units

Clarifications:

1. Each Contractor shall protect finish surfaces of their installed work and finish surfaces encountered during the performance of their work.
2. Include a \$3,000 material allowance and 40 man-hours at the current rate (including all fringe benefits and payroll expenses) for replacement of stained or damaged ceiling tiles or other work to be performed at the direction of the Construction Manager. At the end of the project, the unused material allowance and labor hours will be converted into a dollar amount per Wage Scale

(including fringe benefits) and returned to the Owner through a deduct Change Order.

3. Provide glass mat gypsum sheathing, refer to specification section 06 16 00.
4. Provide material, equipment, and labor required to **remove and reinstall 10,000 square feet of existing drop ceiling grid system** throughout the building to allow for Bid Category No. 20 Fire Suppression work.

J. **BID CATEGORY NO. 10 - ROOFING**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 01 50.19	Preparation for Reroofing
Section	07 31 13	Asphalt Shingles
Section	07 42 93	Soffit Panels
Section	07 53 23	Ethylene-Propylene-Diene-Monomer (EPDM) Roofing
Section	07 62 00	Sheet Metal Flashing And Trim
Section	07 71 00	Roof Specialties
Section	07 71 29	Manufactured Roof Expansion Joints
Section	07 72 00	Roof Accessories

Clarifications:

1. Bid Category No. 1 General Trades will provide all wood blocking, nailers, wood sheathing, plywood, etc. for roof assembly.
2. Provide all other additional wood blocking, wood nailers or plywood if required by submittals.
3. Bid Category No. 2 General Trades will provide rigid insulation at all top of wall conditions, per typical top of wall detail 1A on Sheet A334.2. Provide rigid insulation on inside parapet wall conditions, typical.

K. **BID CATEGORY NO. 11 - PAINTING**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	09 91 14	Exterior Painting
Section	09 91 23	Interior Painting
Section	09 96 00	High-Performance Coatings

L. **BID CATEGORY NO. 12 – ALUMINUM WINDOWS, GLAZING, ENTRANCES, & STOREFRONTS**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 21 00	Thermal Insulation (As applicable)
Section	07 92 00	Joint Sealants (As applicable)
Section	08 06 71	Door Hardware Schedule (As applicable)
Section	08 41 13	Aluminum-Framed Entrances and Storefronts
Section	08 51 13	Aluminum Windows
Section	08 71 00	Door Hardware (As applicable)
Section	08 80 00	Glazing

Section	08 83 00	Mirrors
Section	08 88 13	Fire-Rated Glazing
Section	08 88 53	Security Glazing

Clarifications:

1. Each Contractor shall protect finish surfaces of their installed work and finish surfaces encountered during the performance of their work.
2. Provide all door hardware components for doors in Bid Category No. 12 Aluminum, Windows Glazing and Framed Entrances and Storefronts.
3. Bid Category No. 2 General Trades will provide glazing in factory glazed wood doors.
4. Bid Category No. 16 Joint Sealants will provide all joint sealants exposed to view at completion of work, including interior and exterior joints between Bid Category No. 12 Aluminum, Windows, Glazing, Framed Entrances and Storefronts and adjacent walls.
5. Provide all sealant joints **not** exposed to view.

M. **BID CATEGORY NO. 13 - FLOORING**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	03 54 16	Hydraulic Cement Underlayment
Section	09 30 00	Tiling
Section	09 65 00	Resilient Flooring
Section	09 65 13	Resilient Base And Accessories
Section	09 65 66	Resilient Athletic Flooring
Section	09 66 13	Portland Cement Terrazzo Flooring
Section	09 68 13	Tile Carpeting

Clarifications:

1. Provide, maintain and remove floor protection as specified.

N. **BID CATEGORY NO. 14 – MANUFACTURED CASEWORK**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	12 32 16	Manufactured Plastic-Laminate-Clad Casework (Addendum 1)
Section	12 36 23.13	Plastic Laminate-Clad Countertops
Section	12 36 61.16	Solid Surfacing Countertops (Addendum 3)

Clarifications:

1. Provide all brackets, blocking, accessories, etc. required to install all work associated with Bid Category No. 14 Manufactured Casework.

O. **BID CATEGORY NO. 15 - LOCKERS**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	10 51 13	Metal Lockers

P. BID CATEGORY NO. 16 – JOINT SEALANTS

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 92 00	Joint Sealants
Section	07 92 19	Acoustical Joint Sealants

Clarifications:

1. Additional mobilizations may be required due to various reasons including, but not limited to, sequence of work, winter construction, or access points into the building. Remobilization costs shall be included as necessary, regardless of intent of Guideline Schedule outlining a work category to occur continuously and/or in a single mobilization.
2. Provide caulking the joints between hollow metal frames and masonry walls and drywall/plaster wall surfaces.
3. Provide all joint sealants exposed to view at completion of work, including but not limited to interior and exterior joints between Bid Category No. 12 Aluminum, Windows, Glazing, Framed Entrances and Storefronts and adjacent wall, **and at all Bid Category No. 2 General Trades provided Site fencing.**

Q. BID CATEGORY NO. 17 – AUDITORIUM SEATING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	12 61 00	Fixed Audience Seating

R. BID CATEGORY NO. 18 – FOOD SERVICE EQUIPMENT

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	11 40 00	Food Service Equipment

Clarifications:

1. Provide connection and installation of food service equipment. Bid Category 21, 22 and 23 to provide rough ins only.

S. BID CATEGORY NO. 19 – TRACK SURFACING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	32 17 24	Track Markings
Section	32 18 26	All Weather Synthetic Track Surface

Clarifications:

1. Protect adjacent finishes during installation.

T. BID CATEGORY NO. 20 – FIRE SUPPRESSION

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 84 13	Penetration Firestopping
Section	21 05 00	Common Work Results For Fire Suppression
Section	21 10 00	Water Based Fire Suppression Systems

Clarifications:

1. Bid Category No. 9 Metal Studs, Drywall and Acoustical Ceilings will provide material, equipment, and labor required to **remove and reinstall 10,000 square feet of existing drop ceiling grid system** throughout the building to allow for Bid Category No. 20 Fire Suppression work.
2. Bid Category No. 20 Fire Suppression to provide fire suppression water service piping through foundation walls up to Mechanical room, including sleeves from 5 feet outside the building. Bid Category No. 4 Sitework to provide all fire suppression water service piping from 5 feet outside building.
3. Provide detection of the Pre-Action Systems. Bid Category No. 23 Electrical contractor to provide all electrical work required to power the detection.

U. **BID CATEGORY NO. 21 – MECHANICAL**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	02 41 19	Selective Demolition
Section	07 84 13	Penetration Firestopping
Section	08 91 19	Fixed Louvers
Section	23 05 00	Common Work Results for HVAC
Section	23 05 13	Common Motor requirements for HVAC Equipment
Section	23 05 16	Expansion Fittings and Loops for HVAC Piping
Section	23 05 19	Meters and Gages for HVAC Piping
Section	23 05 23	General Duty Valves for HVAC Piping
Section	23 05 29	Hangers and Supports for HVAC Piping and Equipment
Section	23 05 53	Identification for HVAC Piping and Equipment
Section	23 05 93	Testing, Adjusting, and Balancing for HVAC
Section	23 07 00	HVAC Insulation
Section	23 08 00	Commissioning of HVAC
Section	23 09 00	Instrumentation and Control for HVAC
Section	23 11 23	Facility Natural Gas Piping
Section	23 21 13	Hydronic Piping
Section	23 21 23	Hydronic Pumps
Section	23 23 00	Refrigerant Piping
Section	23 25 00	HVAC Water Treatment
Section	23 31 13	Metal Ducts
Section	23 33 00	Air Duct Accessories
Section	23 34 23	HVAC Power Ventilators
Section	23 36 00	Air Terminal Units
Section	23 37 13	Diffusers, Registers, and Grilles
Section	23 37 23	HVAC Gravity Ventilators
Section	23 52 16	Condensing Boilers
Section	23 62 00	Packaged Compressor And Condenser Units
Section	23 73 13	Modular Indoor Central-Station Air-Handling Units
Section	23 73 15	Modular Outdoor Central Station Air Handling Units
Section	23 73 16	Blower Coil Air Handling Units
Section	23 74 13	Packaged, Outdoor, Central-Station Air-Handling Units

Section	23 81 26	Split System Air Conditioners
Section	23 82 13	Valance Heating And Cooling Units
Section	23 82 16	Air Coils
Section	23 82 21	Self Contained Vertical Unit Ventilators
Section	23 82 23	Unit Ventilators
Section	23 82 33	Convectors
Section	23 82 39	Unit Heaters
Section	23 83 16	Radiant Heating Hydronic Piping

Clarifications:

1. Regarding Specification Section 07 84 13 – Firestopping, and Section 07 92 00 - Joint Sealants; provide Firestopping and Joint Sealants in accordance with the Contract Documents. In general, the Contractor whose work creates a joint that requires firestopping or joint sealant (in the normal sequence of work) is to provide the firestopping or joint sealant. MEP trades are to firestop all of their own penetrations.
2. Access panels shown on drawings will be provided by Bid Category No. 2 General Trades. Access Panels not shown on the drawings but required, must be provided by contractor performing the work.
3. Provide and pay for installation of service natural gas piping by local gas utility. Pay for all fees and charges required by the local gas utility for complete installation, inspection and testing.
4. Bid Category No. 1 Building Demolition Contractor will provide demolition of all Mechanical, Plumbing, Electrical, Storm, and Sanitary systems of existing buildings (Unit C and Unit K) scheduled for demolition. Refer to specification section 024119 Structure Demolition.

V. **BID CATEGORY NO. 22 – PLUMBING**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	02 41 19	Selective Demolition
Section	07 84 13	Penetration Firestopping
Section	22 05 00	Common Work Results For Plumbing
Section	22 05 13	Common Motor Requirements For Plumbing Equipment
Section	22 05 19	Meters And Gages For Plumbing Piping
Section	22 05 23	General Duty Valves For Plumbing Piping (2.5 and larger)
Section	22 05 29	Hangers And Supports For Plumbing Piping And Equipment
Section	22 05 53	Identification For Plumbing Piping and Equipment
Section	22 07 00	Plumbing Insulation
Section	22 08 00	Commissioning of Plumbing
Section	22 11 13	Facility Water Distribution Piping
Section	22 11 16	Domestic Water Piping
Section	22 11 19	Domestic Water Piping Specialties
Section	22 11 23	Domestic Water Pumps
Section	22 13 13	Facility Sanitary Sewers

Section	22 13 16	Sanitary Waste And Vent Piping
Section	22 13 19	Sanitary Waste Piping Specialties
Section	22 13 33	Wastewater Sump Pumps
Section	22 14 13	Facility Storm Drainage Piping
Section	22 14 23	Storm Drainage Piping Specialties
Section	22 33 00	Electric Domestic Water Heaters
Section	22 34 00	Fuel Fired Domestic Water Heaters
Section	22 40 00	Plumbing Fixtures

Clarifications:

1. Access panels shown on drawings will be provided by Bid Category No. 2 General Trades. Access Panels not shown on the drawings but required, must be provided by contractor performing the work.
2. Bid Category No. 1 Building Demolition Contractor will provide demolition of all Mechanical, Plumbing, Electrical, Storm, and Sanitary systems of existing buildings (Unit C and Unit K) scheduled for demolition. Refer to specification section 024119 Structure Demolition.
3. Provide sanitary and storm piping through foundation walls up to and including exterior cleanouts and frost sleeves. Reference foundation plumbing plan sheets P000 series. **Bid Category No. 4 Sitework** to provide storm and sanitary piping from cleanouts onto site. Bid Category No. 22 Plumbing to provide storm or sanitary piping without cleanout exiting the building minimum 5' and/or to nearest cleanout.
4. Bid Category No. 22 Plumbing to provide snowmelt system in its entirety including required insulation, reference detail B3 on Sheet C501.2. Bid Category No. 3 Concrete to provide all concrete work and installation of Trench drains in Snow Melt areas furnished by Bid Category No. 4 Sitework.

W. **BID CATEGORY NO. 23 – ELECTRICAL**

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	02 41 19	Selective Demolition
Section	07 84 13	Penetration Firestopping
Section	11 68 43	Playclock
Section	26 05 00	Common Work Results for Electrical
Section	26 05 13	Medium-Voltage Cables
Section	26 05 19	Low-Voltage Electrical Power Conductors and Cables
Section	26 05 26	Grounding and Bonding for Electrical Systems
Section	26 05 29	Hangers and Supports for Electrical Systems
Section	26 05 33	Raceways and Boxes for Electrical Systems
Section	26 05 43	Underground Ducts and Raceways for Electrical Systems
Section	26 05 44	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
Section	26 05 53	Identification For Electrical Systems
Section	26 05 73	Coordination Studies
Section	26 05 74	Overcurrent Protective Device Arc-Flash Study

Section	26 08 00	Minimum Commissioning of Electrical Systems
Section	26 09 13	Electrical Energy Metering
Section	26 09 23	Lighting Control Devices
Section	26 12 00	Medium-Voltage Transformers
Section	26 13 00	Medium-Voltage Switchgear
Section	26 22 00	Low Voltage Transformers
Section	26 24 13	Switchboards
Section	26 24 16	Panelboards
Section	26 27 26	Wiring Devices
Section	26 28 13	Fuses
Section	26 28 16	Enclosed Switches and Circuit Breakers
Section	26 43 13	Surge Protection For Low-Voltage Electrical Power Circuits
Section	26 51 00	Interior Lighting
Section	26 55 61	Theatrical Lighting
Section	26 56 00	Exterior Lighting
Section	27 00 00	General Technology Requirements
Section	27 10 00	General Cabling Requirement
Section	27 51 00	Public Address Systems
Section	27 51 17	Field Communication System
Section	27 53 00	Wireless Master Clock System
Section	28 31 00	Fire Detection and Alarm

Clarifications:

1. Access panels shown on drawings will be provided by Bid Category No. 2 General Trades. Access Panels not shown on the drawings but required, must be provided by contractor performing the work.
2. Bid Category No. 1 Building Demolition Contractor will provide demolition of all Mechanical, Plumbing, Electrical, Storm, and Sanitary systems of existing buildings (Unit C and Unit K) scheduled for demolition. Refer to specification section 024119 Structure Demolition.
3. Provide detection of the Pre-Action Systems. Bid Category No. 23 Electrical contractor to provide all electrical work required to power the detection.
4. Bid Category No. 25 Athletic Lighting will provide all work associated with Athletic Lighting. Bid Category No. 23 Electrical contractor will provide all power from existing Building to the Athletic Lighting poles.

X. BID CATEGORY NO. 24 – ATHLETIC FIELD SYNTHETIC FIELD TURF

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	06 10 50	Turf Wood Nailer
Section	32 18 18	Synthetic Turf - Blended with Sand Rubber
Section	32 18 19	Synthetic Turf - Blended Thatch
Section	32 18 52	Performance Shock Pad

Clarifications:

1. Bid Category No. 24 is bid as an Alternate No. 7A and 7B – Turf Field at Football Stadium.

Y. BID CATEGORY NO. 25 – ATHLETIC FIELD LIGHTING

General Requirements in Paragraph 3.02B above.

Section 01 21 00 Allowances

Section 26 56 68 Exterior Athletic Lighting

Clarifications:

1. Bid Category No. 25 Athletic Lighting will provide all work associated with Athletic Lighting. Bid Category No. 23 Electrical contractor will provide all power from existing Building to the Athletic Lighting poles.

X. BID CATEGORY NO. 26 – LANDSCAPING

General Requirements in Paragraph 3.02B above.

Section 01 21 00 Allowances

Section 32 92 00 Turf and Grasses

Section 32 93 00 Plants

Clarifications:

1. Provide new planting soil and excavation as required for all trees, shrubs, plants, etc. Subsoil removed from excavations may not be used as planting soil. Remove any excess spoils for your work as required.
2. Seeding protection mats with plastic mesh will not be acceptable.

END OF SECTION 01 12 00



RFI #	Company Submitting RFI	Date Received	RFI Description	RFI Response
50	Team Elmer's	12/8/2021	<p>There are different asphalt mix designs throughout the project, will the engineer, architect and owner agree on two HMA mix designs?</p> <ul style="list-style-type: none">•Leveling course HMA 4E1 would be sufficient for all application in specs / plans•Wearing course HMA 4E1 or HMA 5E1 would be sufficient for all application in specs / plans	<p>TP:The asphalt mixes shall be bid as specified on the civil drawings, site spec sections, and/or as specified from the Geotech report for the Project.</p> <p>Contractors may submit voluntary alternates to be reviewed including any cost changes, or, if there is not a cost difference, reasoning for the suggested alternate with consideration of the following:</p> <p>The Tennis Court Pavement section, the top course shall be required to be as specified. The entire pavement section shall meet the requirements as stated in the specs, which include: Comply with all guidance listed under “Asphalt for Athletic Uses” within the ASBA document entitled, American Sports Builders Association Asphalt Guidelines found at: www.sportsbuilders.org/publications/Asphalt_Guidelines.pdf.</p> <p>The Geotech engineer will need to review the voluntary alternate to provide a recommendation to CAPS as to whether or not the submitted change will affect the pavement longevity, or if there are any other concerns.</p>
51	Team Elmer's	12/8/2021	What are the application rates for different asphalt mix designs?	TP:Reference the pavement section on the Civil Drawings and the Geotechnical Report for the project.
52	Hamberg Fence Co.	12/8/2021	On A101.2F calls for premanufactured aluminum privacy fence. Who is the manufacturer and where can I find the specifications?	TSC: Refer to Spec Section 32 31 13 - Chanin-Link Fences and Gates for details and accepted manufacturers. Refer to Sheet L001.2.
53	Hamberg Fence Co.	12/8/2021	Post for the fencing going through the track and around the tennis courts. Who will be caulking them?	TSC: Caulking of Fence Post at the track and tennis courts is by BC #16 - Joint Sealants.
54	ASI Signage Innovations	12/8/2021	There is no height dimensions provided on the plans for the directional post and panel signs. Can you please provide that?	TP: Post and Panel signage to be 6'-0" tall.
55	ASI Signage Innovations	12/8/2021	It calls out for Barrier Free Parking Van Accessible where indicated on plan but I don't see any. Please advise.	TP:Shown on Signage Plans sheets L001.2 and L002.2
56	Spence Brothers	12/10/2021	Spec section 01 52 10 says to provide plastic or plywood covered frames for window openings and hinged plywood or batten doors with locks and temporary enclosures to separate work areas from finished areas and from areas occupied by owner. Is this work covered through the \$20,000 Temporary Enclosure Allowance listed under the General Trades?	TSC: Yes, this work to be included as part of the \$20,000 Temp. Enclosure Allowance and also included in the base bid.
57	Spence Brothers	12/10/2021	Spec section 02 41 19 Selective Demolition is listed under the General Trades bid category. Is General Trades responsible for all interior demolition including removing existing slabs inside the building? Or is some of this work covered through the Building Demolition bid category? Looking for some clarification on what the Building Demolition category is responsible for and what the General Trades contractor is responsible for in regards to demolition.	TSC: Building demolition BC #1 is responsible for all work associated with portions (shaded areas) of the existing building called out for demolition in it's entirety, refer to Sheets AD101.2C, AD101.2J, AD101.2H, and AD101.2K.
58	Spence Brothers	12/10/2021	Enlarged plan 1/A351.2 shows section cut 1A/A351.2 going through Tunnel Access Room 519. I cannot find this section cut on the plans. Please clarify.	TP:Section 1A/A351.2 is cut in Tunnel Access (519) looking north. This detail is called out on sheet A101.2D as well as detail 1/A351.2. The detail 1A/A351.2 is above the enlarged plan on sheet A351.2.
59	Bouma	12/10/2021	Please clarify what wall tile is used at the Drinking Fountains walls in the following areas...000 Commons North of Toilet 025M in unit K 1st floor and 100 Commons in unit K North of Toilet 125M in unit K 2nd floor.	TP:Reference detail 70 on sheet A632.2, as part of addendum 3
60	Bouma	12/10/2021	On Elevation 8 A622.2 (AG6 Girls Shower and AB6 Boys Shower) it is not clear what wall tile and floor tile will be used in the Showers. Please clarify.	TP:Reference details 4 and 8 on sheet A622.2, as part of addendum 3
61	Bouma	12/10/2021	It appears the walls get PT-P tile in Vestibule COR7 Can you confirm the wall finish is correct?	TP:Corrected to P-1, reference sheet A 601.2G in addendum 3
62	ASI Signage Innovations	12/10/2021	There are no specs provided for the monument sign. In particular, the LED Display. What is the delegated design stated on the drawing? Please clarify.	TP:Refer to forthcoming Addendum 3 for LED Signage information. Delegated design is for the LED panel product. Product must adhere to requirements in specification (issued in Addendum 3).
63	Stonecreek Interior Systems	12/10/2021	Room 518, Elevation 15/A632.2, what is the casework plastic laminate to be used on the casework? Is the countertop plastic laminate or solid surface and if plastic laminate which color?	TP:Reference updated finish tags on sheet A601.2D and Elevation 15/A632.2, all included in addendum 3.
64	Schepers Concrete	12/10/2021	I had a question regarding Alternate #7 on the Cadillac High School Project. Will the turn nailer cur and trough drain at the field be considered part of alternate #7 or will those be in base bid?	TSC: Turf nailer is part of Alternates #7A and #7B. Trough Drain at field must be included in Base-bid.

65	Shoreline	12/13/2021	Sheet E201.2G shows 4 lines in the stage area and keyed note #2 reads: Reuse existing power distribution/mounting rails and hardware for new stage lighting fixtures. I do not see a fixture type called out on the print or in the fixture schedule for stage lighting. Is this work by a different bid category or is something missing on the drawing?	TP: This information is referenced in elevation AUD/E434.2. See Auditorium Stage Lighting Riser, sheet E434.2
66	Tri-City Acoustical Company	12/14/2021	The sheet air barrier is on several different types of materials. Plywood sheathing, minor masonry, gypsum sheathing, wood roof blocking etc. Is category 9 responsible for all areas shown?	TSC: The Air Barrier scope applies to all trades assigned. Bid Category #9 to provide air barriers for their own scope of work.
67	Jacklyn Steel	12/14/2021	What are Engineering requirements for the stairs?	TP: Engineering calculations and PE sealed connection details are not required for the building structural steel components except engineered calculations ARE required for the Monumental Stair.



Bid Category #/Name:	Contractor:	Time:	TowerPinkster	Skillman
----------------------	-------------	-------	---------------	----------

Monday - December 27				
BC #1 - Building Demolition		9:00 - 10:00 AM		Rohit Tilekar
BC #1 - Building Demolition		10:00 - 11:00 AM		Rohit Tilekar
BC #2 - General Trades		11:00 - 12:00 PM		Rohit Tilekar
BC #2 - General Trades		12:00 - 1:00 PM		Rohit Tilekar
BC #3 - Concrete		2:00 - 2:45 PM		Rohit Tilekar
BC #3 - Concrete		3:00 - 3:45 PM		Rohit Tilekar

Tuesday - December 28				
#4 - Sitework		9:00 - 10:00 AM		Rohit Tilekar
#4 - Sitework		10:00 - 11:00 AM		Rohit Tilekar
#26 - Landscaping		11:00 - 12:00 PM		Rohit Tilekar
#5 - Aphalt Paving		1:30 - 2:15 PM		Rohit Tilekar
#6 - Masonry		2:30 - 3:30 PM		Rohit Tilekar
#6 - Masonry		3:30 - 4:30 PM		Rohit Tilekar

Wednesday - December 29				
#7 - Structural Steel		9:00 - 10:00 AM		Rohit Tilekar
#7 - Structural Steel		10:00 - 11:00 AM		Rohit Tilekar
#8 - Precast Concrete		11:00 - 12:00 PM		Rohit Tilekar
#23 - Electrical		1:30 - 2:30 PM		Rohit Tilekar
#23 - Electrical		2:30 - 3:30 PM		Rohit Tilekar
#25 - Athletic Field Lighting		3:30 - 4:30 PM		Rohit Tilekar

Thursday - December 30				
#21 - Mechanical		8:00 - 9:00 AM		Rohit Tilekar
#21 - Mechanical		9:00 - 10:00 AM		Rohit Tilekar
#22 - Plumbing		10:00 - 11:00 AM		Rohit Tilekar
#22 - Plumbing		11:00 - 12:00 PM		Rohit Tilekar

Monday - January 3				
#9 - Metal Studs, Drywall, and Acoustical Ceilings		1:00 - 1:45 PM		Rohit Tilekar
#9 - Metal Studs, Drywall, and Acoustical Ceilings		2:00 - 3:00 PM		Rohit Tilekar
#13 - Flooring		3:00 - 3:45 PM		Rohit Tilekar

Tuesday - January 4				
#10 - Roofing		1:00 - 1:45 PM		Rohit Tilekar
#10 - Roofing		2:00 - 3:00 PM		Rohit Tilekar
#18 - Food Service Equipment		3:00 - 3:45 PM		Rohit Tilekar

Wednesday - January 5				
#11 - Painting		9:00 - 9:45 AM		Rohit Tilekar
#11 - Painting		10:00 - 10:45 AM		Rohit Tilekar
#12 - Aluminum Windows, Glazing, Entrances, and Storefronts		11:00 - 12:00 PM		Rohit Tilekar
#12 - Aluminum Windows, Glazing, Entrances, and Storefronts		1:00 - 2:00 PM		Rohit Tilekar
#15 - Lockers		2:00 - 2:30 PM		Rohit Tilekar
#16 - Joint Sealants		2:30 - 3:00 PM		Rohit Tilekar
#17 - Auditorium Seating		3:00 - 3:30 PM		Rohit Tilekar

Thursday - January 6				
#14 - Manufactured Casework		9:00 - 9:45 AM		Rohit Tilekar
#14 - Manufactured Casework		9:45 - 10:30 AM		Rohit Tilekar
#20 - Fire Supression		10:30 - 11:15 AM		Rohit Tilekar

Friday - January 7				
#19 - Track Surfacing		9:00 - 9:45 AM		Rohit Tilekar
#24 - Athletic Field-Synthetic Field Turf		9:45 - 10:30 AM		Rohit Tilekar
#24 - Athletic Field-Synthetic Field Turf		10:30 - 11:15 AM		Rohit Tilekar

ADDENDUM NO. 3

DATE OF ISSUANCE: December 14, 2021

PROJECT: Cadillac High School
400 Linden Street
Cadillac, MI 49601

OWNER: Cadillac Area Public Schools

ARCHITECT'S PROJECT NO.: 17-175.70

ORIGINAL BID ISSUE DATE: November 3, 2021

SCOPE OF WORK

This Addendum includes changes to, or clarifications of, the original Bidding Documents and any previously issued addenda, and shall be included in the Bid. All of these Addendum items form a part of the Contract Documents. The Bidder shall acknowledge receipt of this Addendum in the appropriate space provided on the Bid Form. Failure to do so may result in disqualification of the Bid.

DOCUMENTS INCLUDED IN THIS ADDENDUM

This Addendum includes **five** pages of text and the following documents:

- Bidding Documents: **none**
- Contract Conditions: **none**
- Specification Sections: **09 8316, 32 1723**
Drawings: **C 101.2, L 003.2, A 601.2D, A 601.2G, A 601.2K, A602.2K, A 610.2, A 621.2, A 622.2, A 623.2, A 624.2, A 625.2, A 631.2, A 632.2, A 633.2, A 634.2, A 635.2, A 636.2, P 000.2H, M 201.2F, E 101.2D, E 431.2, E 444.2**

CHANGES TO PREVIOUSLY ISSUED ADDENDA

None.

CHANGES TO SPECIFICATIONS

ADD-3 Item No. S-1 - Alternate No. 10

Refer to Specification Section: 01 2300 – Alternates

Add Alternate No. 10: Lining of Existing Cast Iron Sanitary Piping

1. Base Bid: No work.
2. Alternate: Provide price to add pipe lining to the existing 6" cast iron sanitary pipe located below Instrumental Room 212. Length of pipe is approximately 50 feet. Provide system similar to National Liner Cured – In – Place Pipeline Rehabilitation System consisting of a polyester felt liner with a thermosetting resin.

ADD-3 Item No. S-2 - Geofoam

Refer to Specification Section 03 3000 – Cast-In-Place Concrete

Add 2.11, D, 1 and 2 as follow:

- D. Foam Fill: Expanded polystyrene conforming to ASTM D 6817 formulated for use as fill below concrete slabs, and as follows:
 1. Minimum Compressive Strength: 40 psi [276 kPa].
 2. Treated with termiticide in compliance with ICC AC239.

ADD-3 Item No. S-3 - Additional Products

Refer to Specification Section 07 4213.23 – Metal Composite Material Wall Panels

Add 2.2, A, 2, g to specification section as follows; Alfrex FR Metal Composite Material.

ADD-3 Item No. S-4 - Additional Products

Refer to Specification Section 08 4113 – Aluminum Framed Entrance and Storefronts

Add 2.2, A, 7 to specification section as follows; Special-Lite.

ADD-3 Item No. S-5 - Additional Products

Refer to Specification Section 09 5113 – Acoustical Panel Ceilings

Add 2.3, A, 1, b to specification section as follows; United States Gypsum Company: Mars Clima Plus.

ADD-3 Item No. S-6 - LED Signage

Refer to Specification Section 10 1426 – Post and Panel-Pylon Signage

Refer to Section 2.2, B, 5 Add the following:

5. Electronic Message Sign: Full color sign as follows:
 - a. Pixel Pitch: 19 mm maximum.

- b. Light Source: RGB LED bulbs.
 - 1) Display Palette: Minimum 16.7 million colors.
- c. Half-Brightness Viewing Angle: Minimum 140 degrees horizontal and 60 degrees vertical.
- d. Video Refresh Rate: Minimum 30 frames per second.
- e. Size: As indicated on Drawings.
- f. Operation: From Owner provide PC via wireless connection.
 - 1) Software: Capable of scheduling sign function and creating and editing text and graphic contents, including importing AVI files created in other software.
- g. Power: 120 V, 60 Hz, 1 phase, 15 A.

ADD-3 Item No. S-7 - Additional Products

Refer to Specification Section 10 5113 – Metal Lockers

Refer to Section 2.2, A, B and C, 1: add Lockers MFG as an acceptable manufacturer.

Refer to Section 2.3, A, B and C, 1: add Lockers MFG as an acceptable manufacturer.

ADD-3 Item No. S-8 - Additional Products

Refer to Specification Section 11 6823 – Exterior Athletic Equipment

Refer to Section 2.1: add Jaypro Sports as an acceptable manufacturer.

ADD-3 Item No. S-9 - Additional Products

Refer to Specification Section 11 6840 – Field Event Construction

Refer to Section 2.1: add Jaypro Sports as an acceptable manufacturer.

ADD-3 Item No. S-10 - Additional Products

Refer to Specification Section 22 3300 – Electric Domestic Water Heaters

Refer to section 2.2 Light Commercial Electric Water Heaters, paragraph [A1] and add Bock as an acceptable manufacturer.

ADD-3 Item No. S-11 - Additional Products

Refer to Specification Section 22 3400 – Fuel Fired Domestic Water Heaters

Refer to section 2.1 High Efficiency Gas Water Heaters, paragraph [A] and add NY Thermal Inc. as an acceptable manufacturer.

ADD-3 Item No. S-12 - Additional Products

Refer to Specification Section 23 5216 – Condensing Boilers

Refer to section 2.1 Fire Tube Condensing Boilers, paragraph [A] and add Aerco as an acceptable manufacturer.

ADD-3 Item No. S-13 - Additional Products

Refer to Specification Section 23 8239 Unit Heaters

Refer to section 2.1 Cabinet Unit Heaters, paragraph [A] and add Rittling as an acceptable manufacturer.

Refer to section 2.2 Hot Water Propeller Unit Heaters, paragraph [A] and add Rittling as an acceptable manufacturer.

ADD-3 Item No. S-14 - Pavement Markings

Refer to Provided Specification Section 32 1723 Pavement Markings

Provide exterior pavement markings as indicated

CHANGES TO DRAWINGS

ADD-3 Item No. D-1 - Existing 6" Sanitary Piping Below Instrumental Room 212 (Unit H)

Refer to Sheet: P 000.2H

Per Alternate No. 10 provide price to add pipe lining to the existing 6" cast iron sanitary pipe. Refer to above description of Alternate No. 10.

ADD-3 Item No. D-2 - Locations of RTU-1F Space Temperature Sensors

Refer to Sheet: M 201.2F

See drawing for the locations of [3] space temperature sensors used for average temperature for RTU-1F.

ADD-3 Item No. D-3 - Tennis Court Pavement Clarification

Refer to Sheet: L 003.2

See Enlarged Tennis Court Plan and 12 ft. Fence Detail.

ADD-3 Item No. D-4 - M 150 Roof Mechanical Plans: Notes on Gas Piping and Refrigerant Piping Supports

Refer to the gas piping and refrigerant piping support notes located on the M 150 Roof Mechanical Plans [plans not reissued], add to each note, supports shall be equal to the MIRO 8-Base Strut support system. MIRO 3.0 supports may also be used for gas piping. Coordinate pipe size with proper support system.

ADD-3 Item No. D-5 - North Gym Bleacher Power

Refer to Sheet: E 101.2D, E 444.2

Add electrical circuit to new bleachers on north wall of North Gym AG0 as indicated. See also panelboard R1D4 panel load schedule, sheet E 444.2.

ADD-3 Item No. D-6 - Light Fixture Schedule Revisions

Refer to Sheet: E 431.2

Revise manufacturer part #'s as shown clouded on Light Fixture Schedule.

ADD-3 Item No. D-7 - Finish plan and Material Selection Schedule updates

Refer to reissued A 601.2D, A 601.2G, A 601.2K, A602.2K, and A 610.2. See clouded updated finish plans, along with updated finish key and notes on all sheets. Finish adjustments and additional notes have been added to sheets and clouded.

ADD-3 Item No. D-8 - Elevation and Millwork Updates

Refer to reissued sheets A 621.2, A 622.2, A 623.2, A 624.2, A 625.2, A 631.2, A 632.2, A 633.2, A 634.2, A 635.2, A 636.2, and A 636.2. See clouded notes for adjusted items with include finish and dimension updates, casework details, and additional notes for clarification.

ADD-3 Item No. D-9 - Asphalt Clarification

Refer to Sheet: C 101.2

Revised shading for clarification of new asphalt types.

ADD-3 Item No. D-10 - Concrete Collar at Tennis Courts

Refer to Sheet: C 101.2

Provide a 24" wide, 4" thick concrete collar at tennis courts [as shown clouded].

END OF ADDENDUM.

SECTION 09 8316 - ACOUSTIC CEILING COATINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Spray-applied acoustic ceiling finishes
- B. Related Sections:
 - 1. Section 07 2100 "Thermal Insulation" for spray-applied thermal insulation.

1.2 ADMINISTRATIVE REQUIREMENTS

- A. Sequencing: Clips, hangers, supports, sleeves and other attachments to spray bases are to be placed prior to the application of sprayed insulation.
 - 1. Do not install ducts, piping, conduit or other suspended equipment until after the application of acoustic coating.
 - 2. Roof penetrations to be installed prior to application of acoustic coating.

1.3 ACTION SUBMITTALS

- A. Product data.

1.4 INFORMATIONAL SUBMITTALS

- A. Quality Assurance/Control Submittals:
 - 1. Certificates: Certifying that products comply with the requirements.

1.5 QUALITY ASSURANCE

- A. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Shipping, Handling, and Unloading: Deliver in original, unopened containers bearing name of manufacturer, product identification and reference to U.L. testing.
- B. Storage and Protection: Store materials dry, off ground, and under cover. Protect liquid adhesive from freezing.

PART 2 - PRODUCTS

2.1 ACOUSTIC CEILING COATINGS

- A. Products: Subject to compliance with requirements, provide products indicated on Drawings.

2.2 ACOUSTIC CEILING COATINGS

- A. Acoustic Ceiling Coating: Integrally colored spray-applied acoustic coating consisting of cellulosic or glass fibers in adhesive binder containing no urea-formaldehyde resins, suitable for use as interior finish surface.

1. Products: Subject to compliance with requirements, provide one of the following:

- a. International Cellulose Corporation; K-13.
- b. Monoglass, Inc.; Monoglass Spray-Applied Insulation.

2. Regulatory Requirements: Product shall be Class 1 Class A per ASTM E 84/ UL 723.

3. Performance Requirements:

- a. Acoustic Performance: As follows over solid backing:

- 1) 1-inch(25-mm) Thickness: 0.75 NRC.
- 2) 2-inch(51-mm) Thickness: 0.95 NRC.
- 3) 3-inch(76-mm) Thickness: 1.00 NRC.

- b. Thermal Performance: Thermal resistivity of 3.8 deg F x h x sq. ft./Btu x in. at 75 deg F (26.4 K x m/W at 24 deg C).

4. Color: As indicated on Drawings.

2.3 ACCESSORIES

- A. Primer: As recommended by manufacturer for substrates indicated.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine surfaces and report unsatisfactory conditions in writing. Do not proceed until unsatisfactory conditions are corrected.
- B. Verify surfaces to receive spray insulation to determine if priming/sealing is required to insure bonding and/or to prevent discoloration caused by migratory stains.

3.2 PREPARATION

- A. Prime surfaces as required by manufacturer's instructions or as determined by examination.

3.3 INSTALLATION

- A. Install in accordance with manufacturer's written instructions and recommendations in thickness as measured per ASTM E-605 field test procedure.
- B. Where acoustic ceiling coating is applied to deck that is partially concealed by suspended ceiling below, extend acoustic ceiling coating **2 feet (0.6 m)** over the lower suspended ceiling.
- C. Cure insulation with continuous natural or mechanical ventilation.
- D. Remove and dispose of over-spray.

END OF SECTION 09 8316

SECTION 32 1723 - PAVEMENT MARKINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes painted markings applied to asphalt pavement.

1.2 ACTION SUBMITTALS

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

1.3 FIELD CONDITIONS

- A. Environmental Limitations: Proceed with pavement marking only on clean, dry surfaces and at a minimum ambient or surface temperature of 55 deg F (12.8 deg C) for water-based materials, and not exceeding 95 deg F (35 deg C).

PART 2 - PRODUCTS

2.1 PAVEMENT-MARKING PAINT

- A. Pavement-Marking Paint: MPI #97, latex traffic-marking paint.
 - 1. Color: Blue for barrier-free marking, white and yellow as indicated otherwise.

PART 3 - EXECUTION

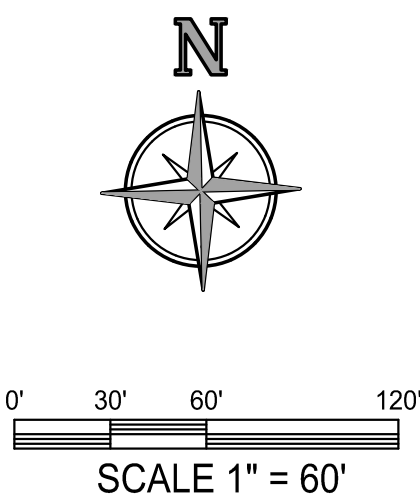
3.1 PAVEMENT MARKING

- A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Architect.
- B. Allow paving to age for a minimum of 30 days before starting pavement marking.
- C. Sweep and clean surface to eliminate loose material and dust.
- D. Apply paint with mechanical equipment to produce pavement markings, of dimensions indicated, with uniform, straight edges. Apply at manufacturer's recommended rates to provide a minimum wet film thickness of 15 mils (0.4 mm).
 - 1. Apply graphic symbols and arrows with paint-resistant, die-cut stencils. Apply paint so that it cannot run beneath the stencil.

PROJECT NO. 17175.70
CADILLAC HIGH SCHOOL ADDITION & RENOVATIONS
Cadillac Area Public Schools

PAVEMENT MARKINGS
32 1723 - 2
11-3-2021

END OF SECTION 32 1723

OWNER
CADILLAC AREA PUBLIC SCHOOLS

SHEET NUMBER
C 101.2
17-175.70

DATE
NOVEMBER 03, 2021

TowerPinkster

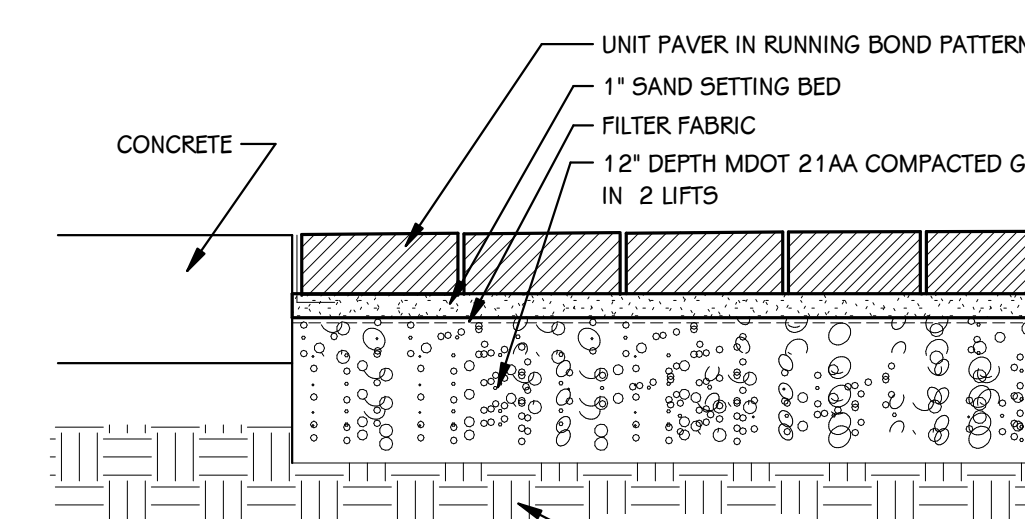
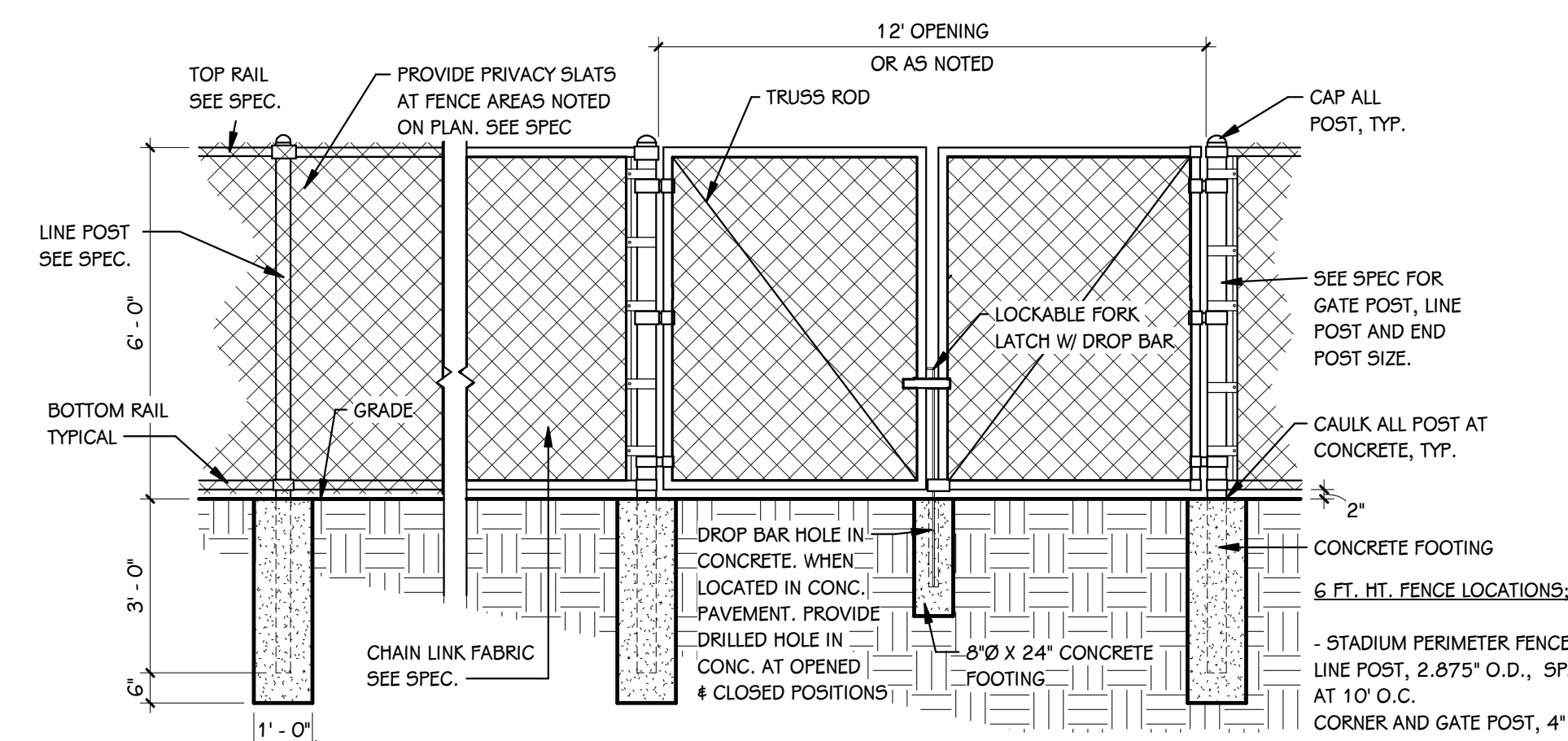
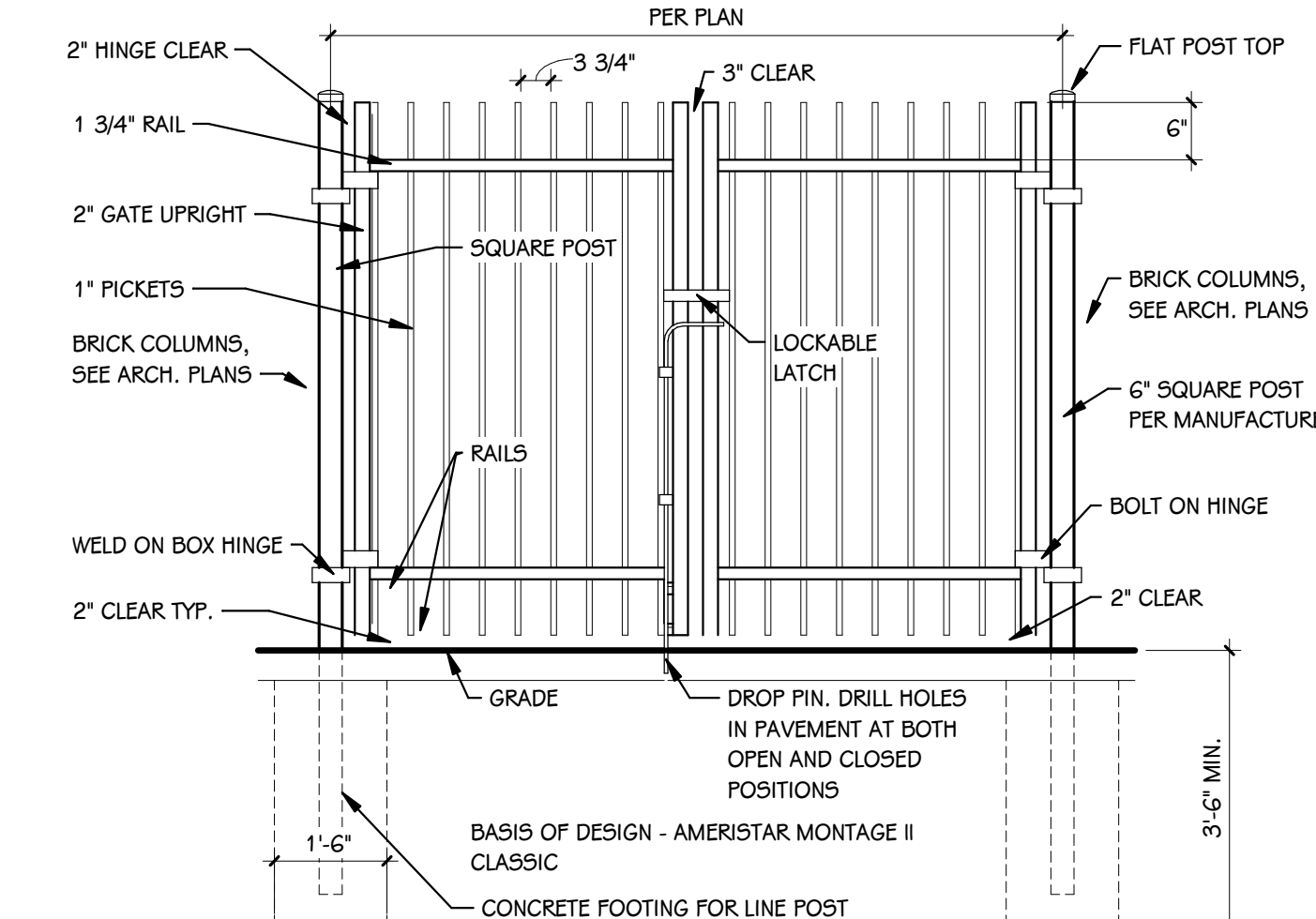
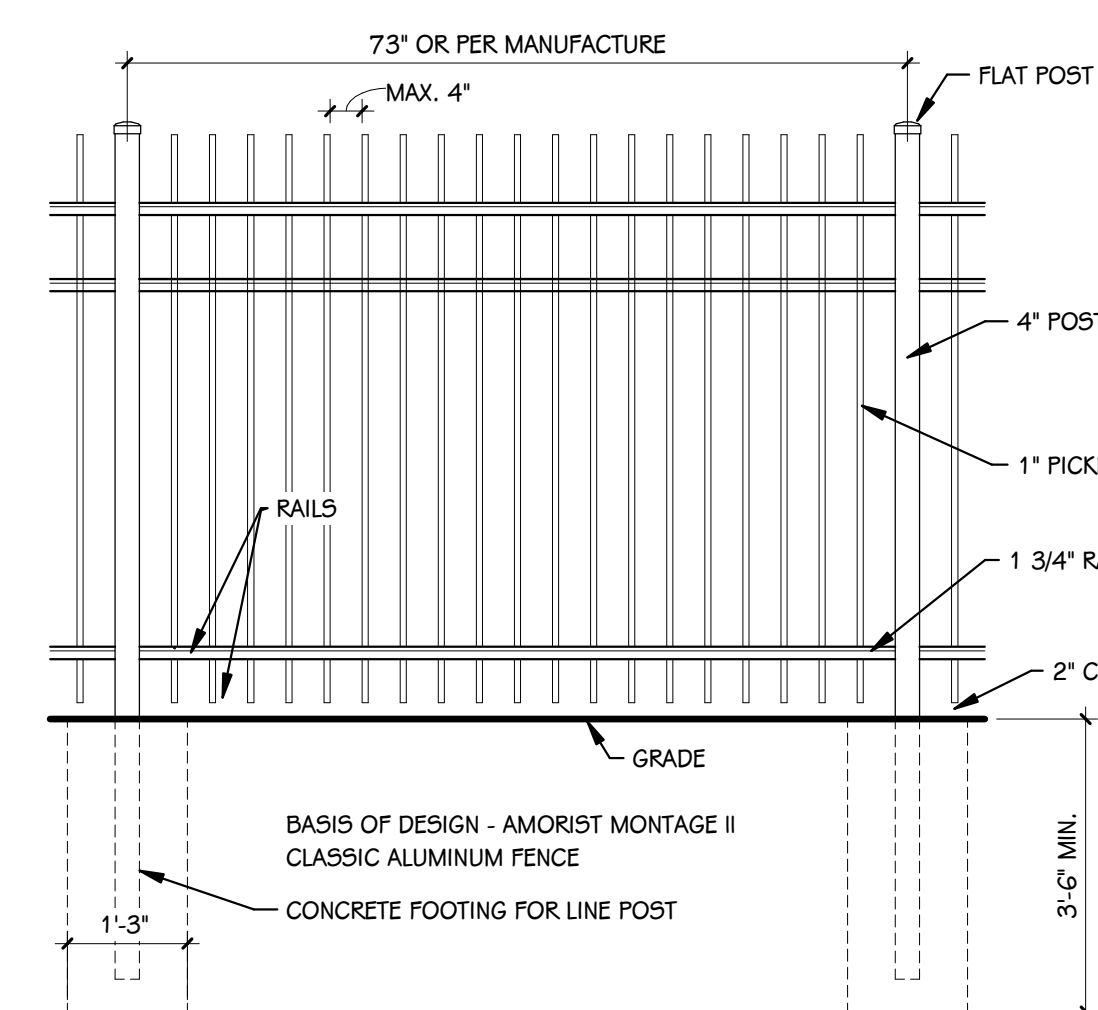
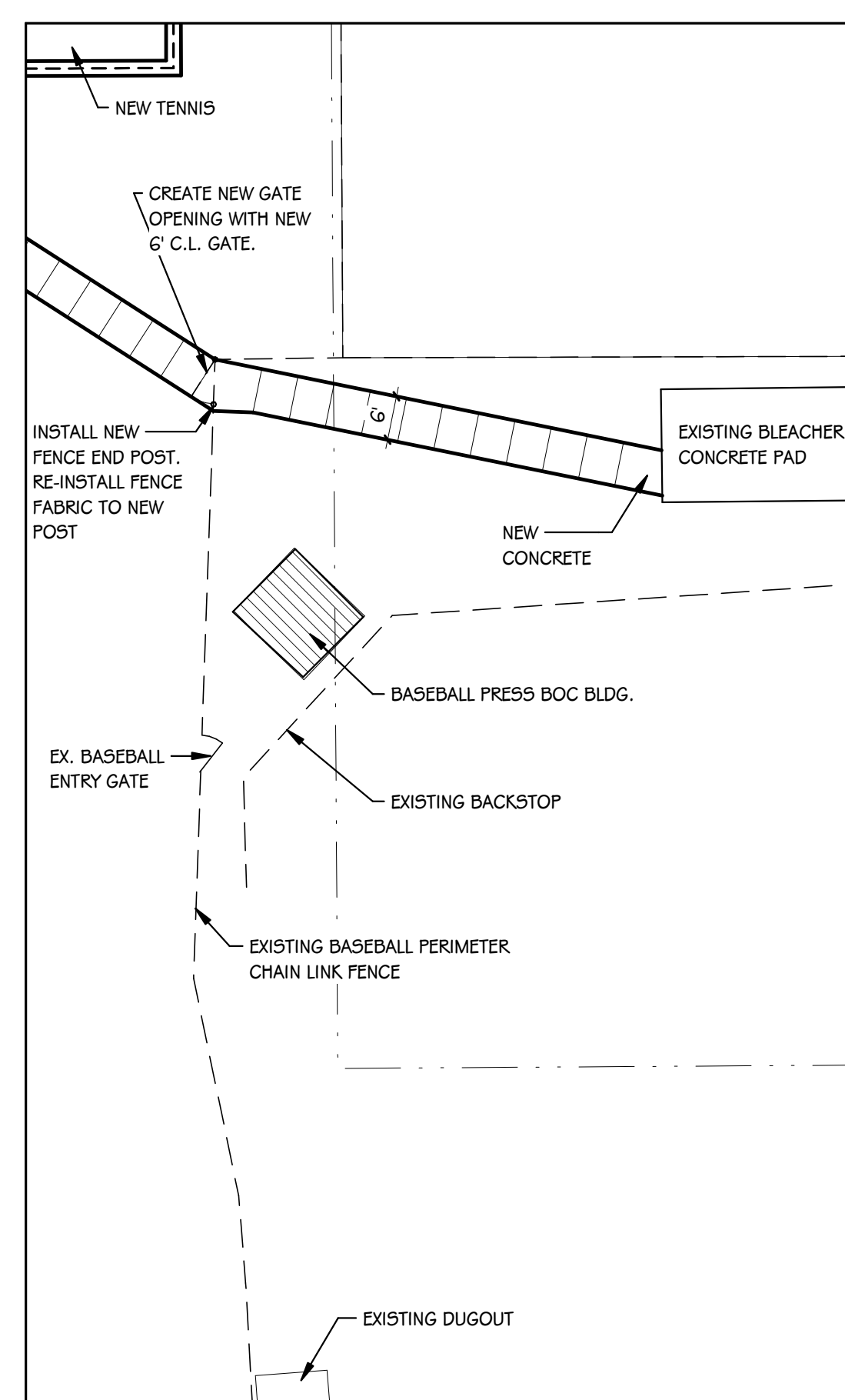
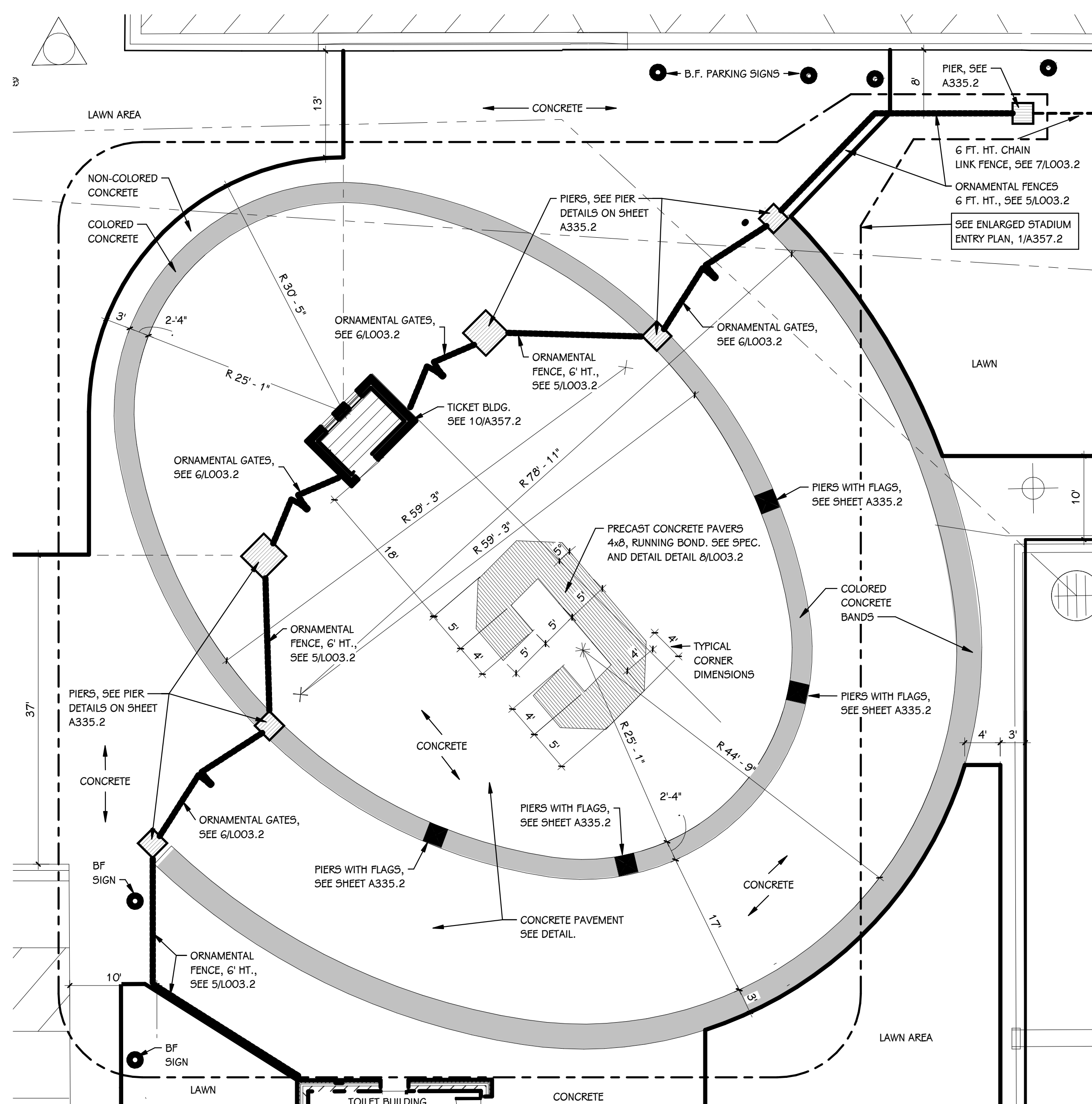
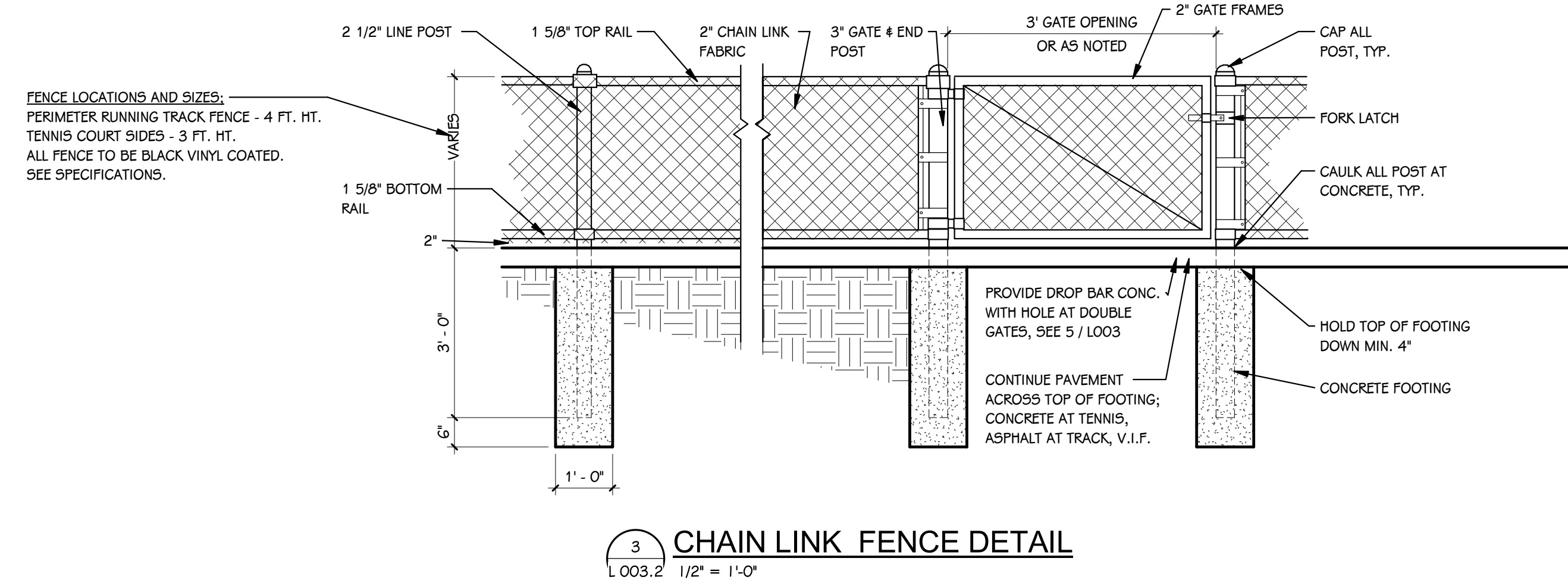
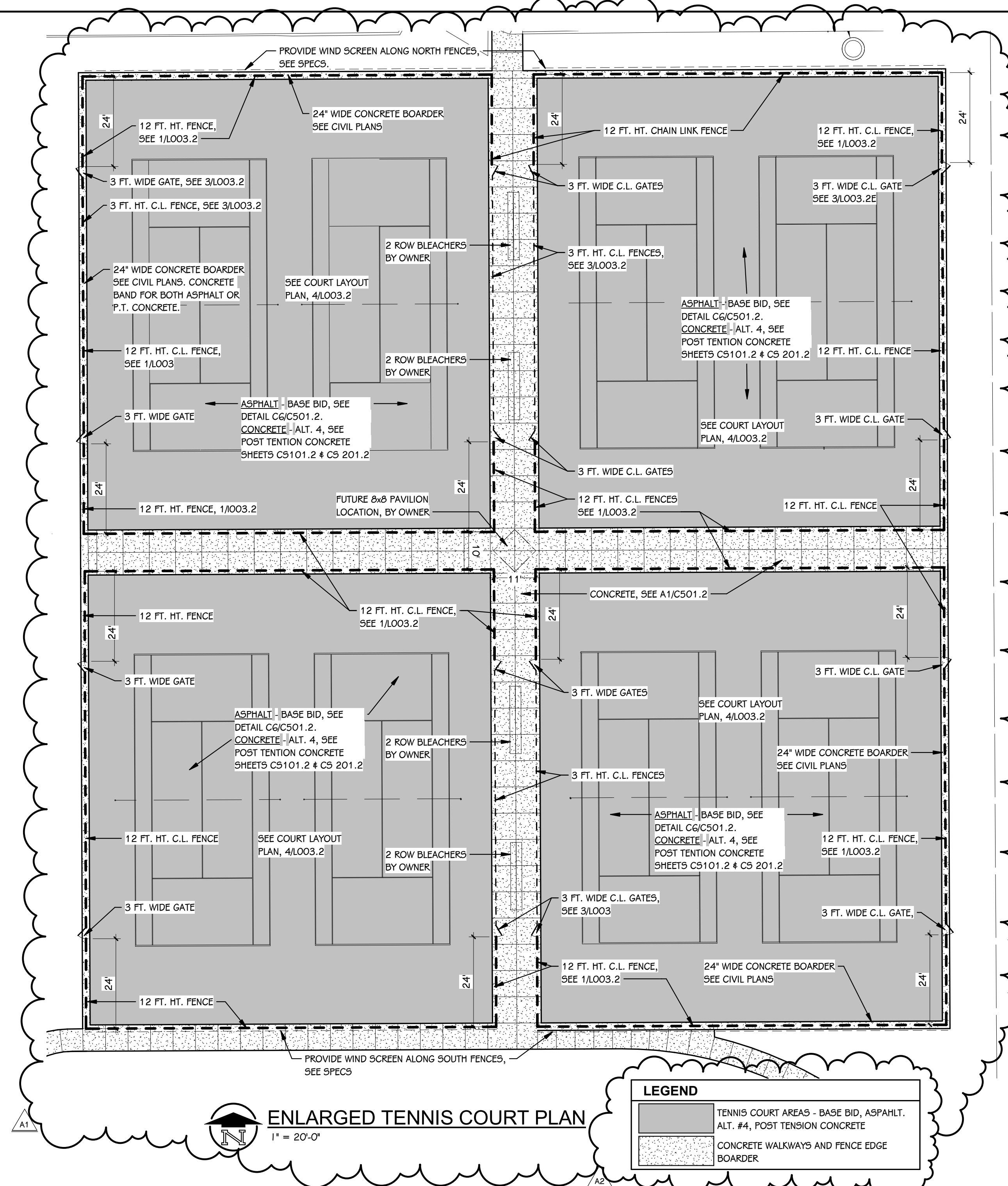
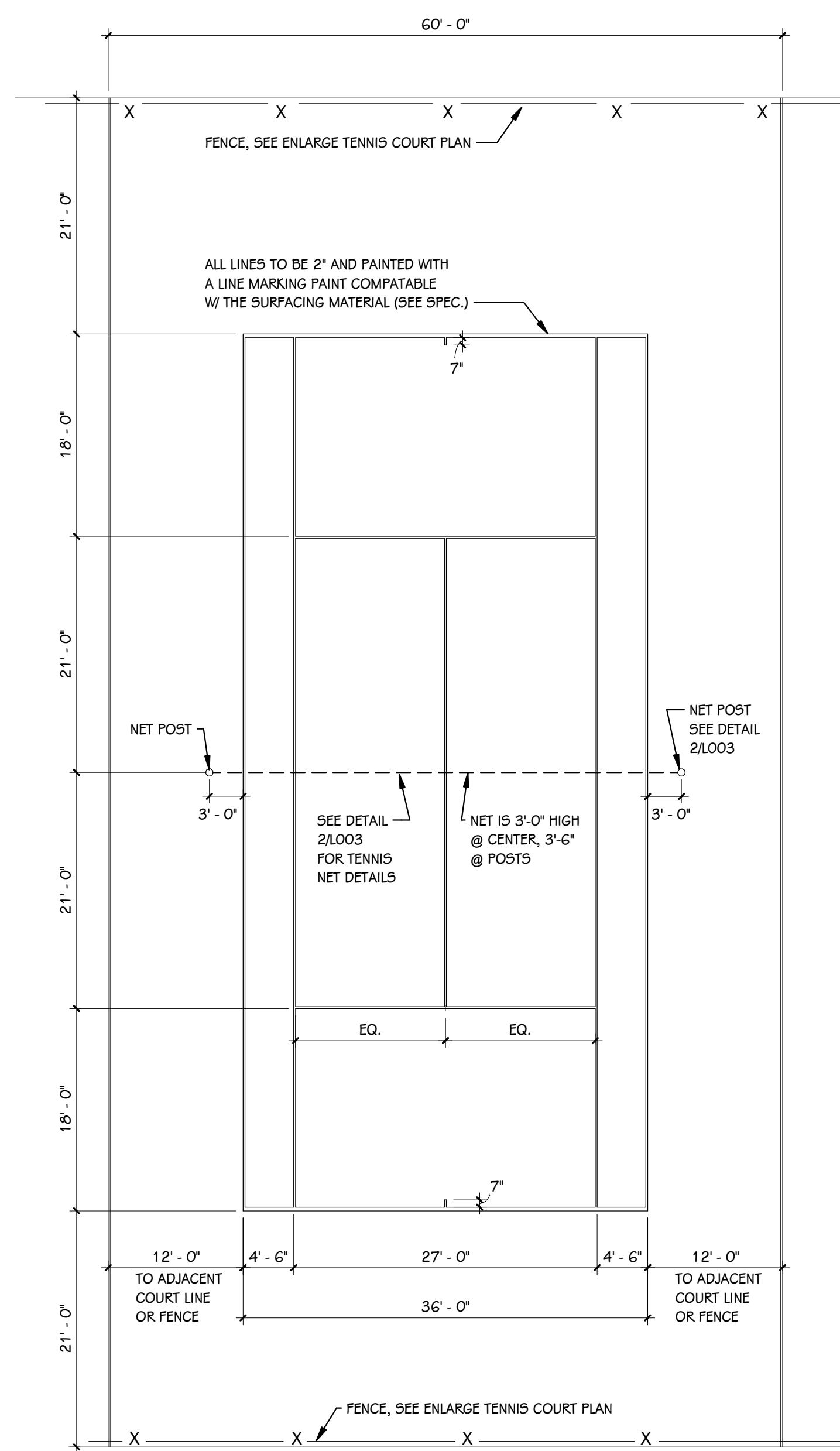
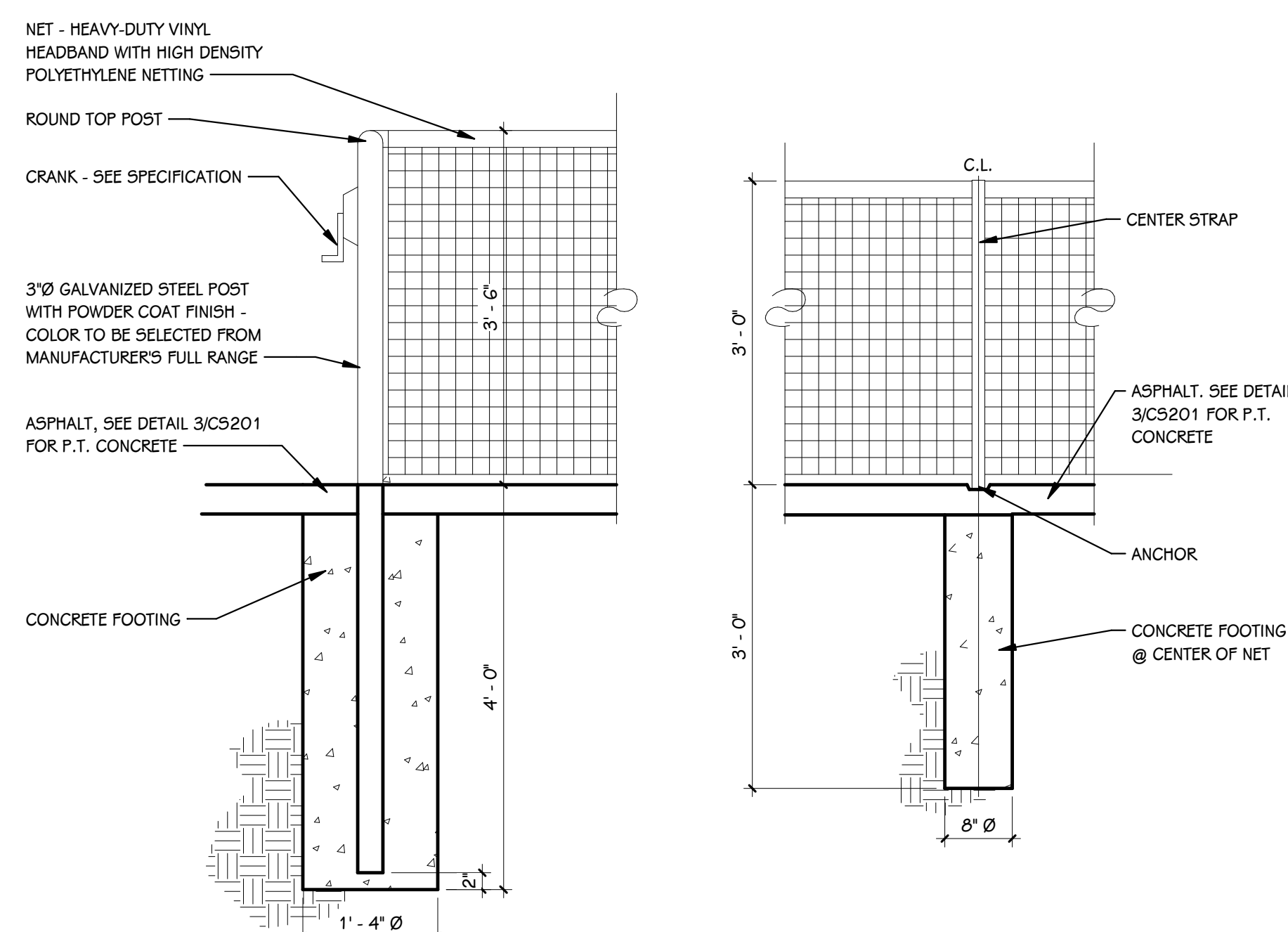
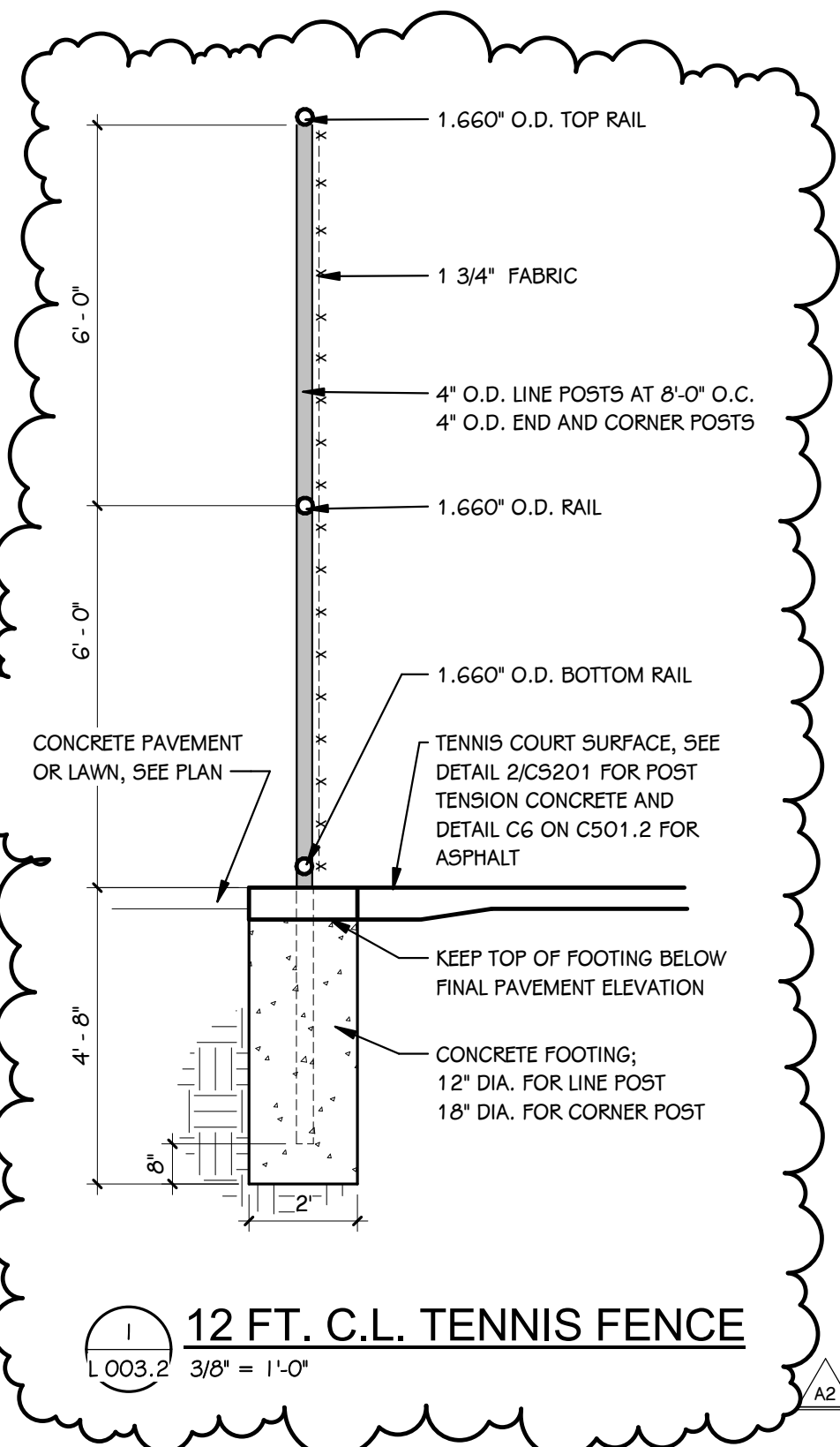
Architecture · Engineering · Interiors

41 East Fulton Street, Suite 200
Grand Rapids, Michigan 49503
P 616.450.3994 • F 616.450.3996
WWW.TOWERPINKSTER.COM

242 East Kalamazoo Avenue, Suite 200
Kalamazoo, Michigan 49007-5928
P 269.341.3311 • F 269.341.3310
WWW.TOWERPINKSTER.COM

© 2020 ALL RIGHTS RESERVED

220 Hoover Boulevard
 East, Michigan 49423-3766
www.hollandengineering.com
 T 616-392-5938 F 616-392-2116





FINISH KEY	
	WALL FINISH
	FLOOR BASE
	FLOOR FINISH
	COUNTER FINISH
	CABINET FINISH (BASE AND UPPER)
	INDICATES EXTENT OF ATYPICAL FINISH
	INDICATES FLOOR MATERIAL TRANSITION NOTE - REFER TO MATERIAL SELECTION SCHEDULE REMARKS FOR FLOOR TRANSITION TYPE
	INDICATES MULTIPLE MATERIAL TYPES ON A SURFACE. REFER TO DETAIL OR ELEVATIONS.
	INDICATES MATERIAL PATTERN. REFER TO DETAILS

- FINISH PLAN GENERAL NOTES**
- REFER TO ARCHITECTURAL FLOOR PLANS AND SPECIFICATION FOR ADDITIONAL INFORMATION ON CONSTRUCTION MATERIALS.
 - REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH AND HEIGHTS.
 - AT AREAS OF EXPOSED CEILING WHERE THE DUCT WORK AND DIFFUSERS ARE TO BE PAINTED, COORDINATE WITH MECHANICAL SPECIFICATIONS AND REFER TO THE REFLECTED CEILING PLANS FOR PAINT COLORS.
 - REFER TO DOOR SCHEDULE FOR FINISH ON DOORS AND FRAMES.
 - WALL MOUNTED DIFFUSERS, GRILLES, ACCESS PANELS, ELECTRICAL PANELS, ETC. ARE TO BE PAINTED WITH AN OIL-BASED PAINT TO MATCH THE ADJACENT WALL FINISH.
 - CEILING ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT CEILING FINISH.
 - REFER TO ARCHITECTURAL FLOOR PLANS FOR LOCKER LOCATIONS, FINISHES AND QUANTITIES.
 - FINISH TAGS APPLY TO LIKE MATERIALS IN ENTIRE ROOM. I.E. CASEWORK TAG MAY ONLY CALLOUT ONE RUN OF CASEWORK, BUT ALL CASEWORK IN ROOM RECEIVE THE SAME FINISHES, UNLESS TAGGED DIFFERENTLY.
 - CASEWORK FINISH TAGS DO NOT APPLY TO CUSTOM MILLWORK PIECES. REFER TO THEIR SECTIONS AND/OR ELEVATIONS FOR FINISH MATERIALS.
 - REFER TO ENLARGED STAIR PLANS AND SECTIONS FOR FINISH COLORS OF STRINGERS AND GUARDRAILS.
 - PUBLIC TOILET ROOM PARTITIONS ARE TO BE TYPE-X. LOCKER ROOM PARTITION ARE TO BE TYPE-Y.
 - ALL EXPOSED COLUMNS TO BE PAINTED P-X.
 - SPACES WITHOUT FINISH TAGS: EXISTING FINISHES TO REMAIN.

- WINDOW TREATMENT KEY**
- RS-1 MANUAL SINGLE ROLLER SHADE, BASIS OF DESIGN:
MERMET E SCREEN, FABRIC: PEARLLINEN, 5% OPEN
- RS-2 REMOTE CONTROLLED DUAL ROLLER SHADE, BASIS OF DESIGN:
MERMET E SCREEN, FABRIC: PEARLLINEN, 5% OPEN

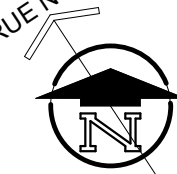
- REFER TO SPECIFICATION FOR MORE INFORMATION.
- WINDOW TREATMENT TAGS SHOWN ON PLAN REPRESENTS A SINGLE SHADE, UNLESS NOTED OTHERWISE.
- REFER TO FLOOR PLANS, EXTERIOR ELEVATIONS AND FRAME TYPES FOR HEIGHT AND WIDTH OF OPENINGS.
- WINDOW TREATMENTS ARE TO BE MOUNTED INSIDE OF THE WINDOW OPENING FROM HEAD TO SILL AND JAMB TO JAMB, UNLESS NOTED OTHERWISE.
- VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION.

FINISH PLAN KEY: CARPET TILE	
	CPTL-1A, INSTALL ASHLAR.
	CPTL-2A, INSTALL ASHLAR.
	CPTL-2B, INSTALL ASHLAR.
	CPTL-3A, INSTALL ASHLAR.
	CPTL-3B, INSTALL ASHLAR.
	COMPRISED EQUAL MIX OF CPTL-7 AND CPTL-8, INSTALL STAGGERED.

CADILLAC HIGH SCHOOL

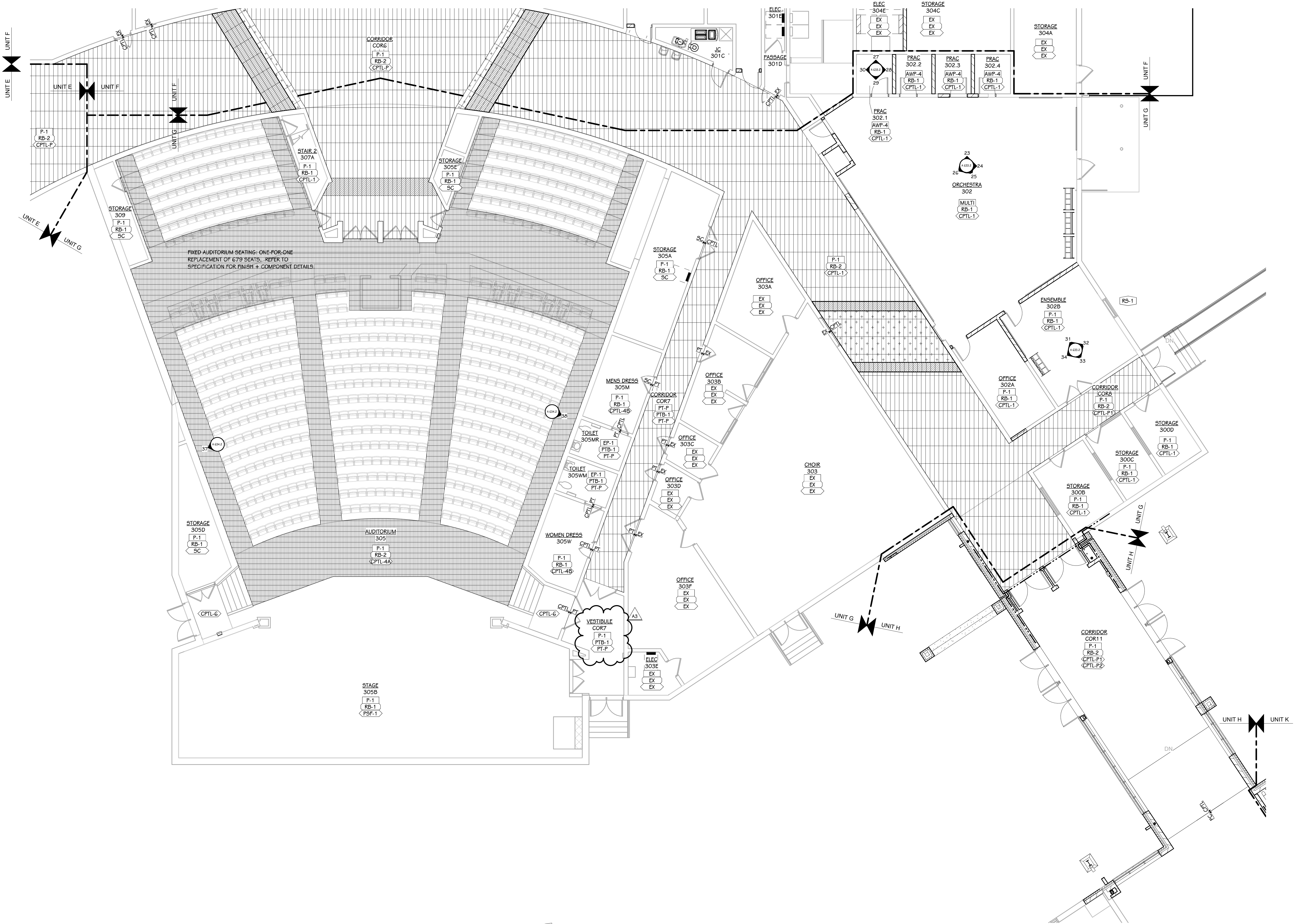


UNIT G

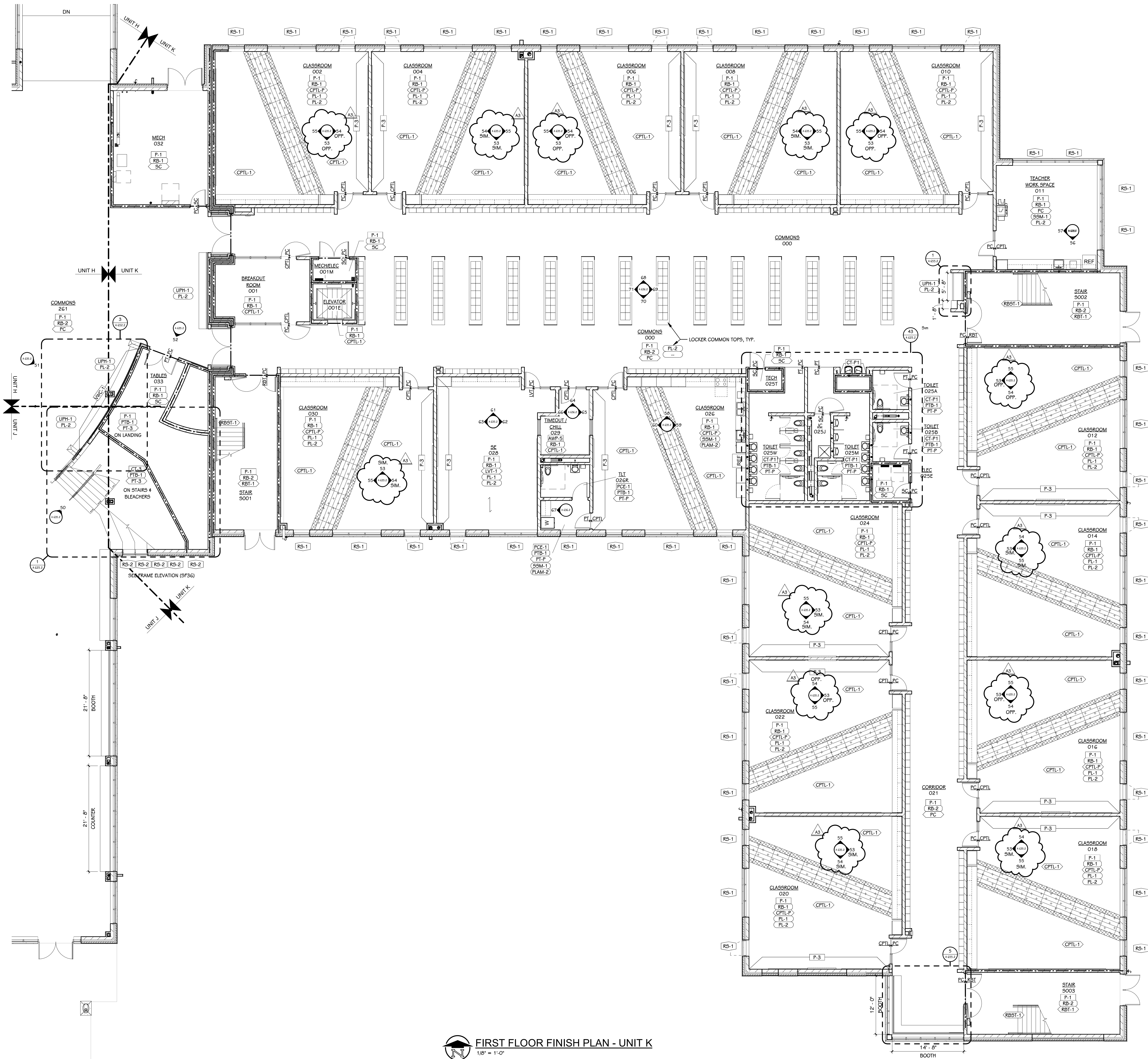


KEY PLAN

SCALE: NO SCALE



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



FIRST FLOOR FINISH PLAN - UNIT K
1/8" = 1'-0"

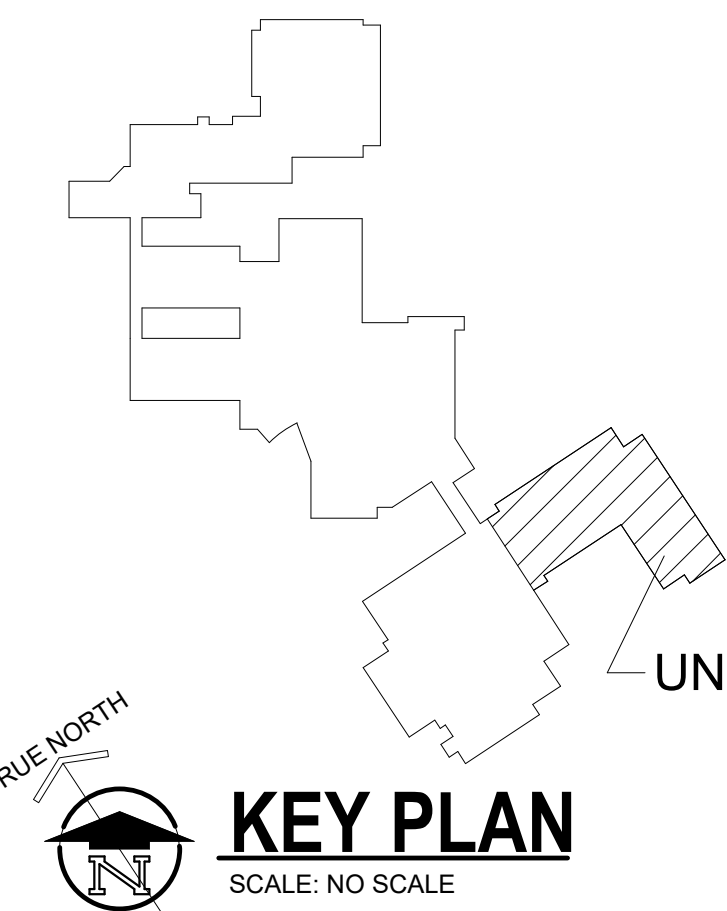
FINISH KEY

P-#	WALL FINISH	REFER TO MATERIAL SELECTION SCHEDULE FOR FINISH INFORMATION
RB-#	FLOOR BASE	
CPTL-#	FLOOR FINISH	
PL-#	COUNTER FINISH	
CB-#	CABINET FINISH (BASE AND UPPER)	
INDICATES EXTENT OF ATYPICAL FINISH		
VTCT	INDICATES FLOOR MATERIAL TRANSITION	NOTE - REFER TO MATERIAL SELECTION SCHEDULE REMARKS FOR FLOOR TRANSITION TYPE
MULTI	INDICATES MULTIPLE MATERIAL TYPES ON A SURFACE. REFER TO DETAIL OR ELEVATIONS.	
- P	INDICATES MATERIAL PATTERN. REFER TO DETAILS	

- FINISH PLAN GENERAL NOTES**
- REFER TO ARCHITECTURAL FLOOR PLANS AND SPECIFICATION FOR ADDITIONAL INFORMATION ON CONSTRUCTION MATERIALS.
 - REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH AND HEIGHTS.
 - AT AREAS OF EXPOSED CEILING WHERE THE DUCT WORK AND DIFFUSERS ARE TO BE PAINTED, COORDINATE WITH MECHANICAL SPECIFICATIONS AND REFER TO THE REFLECTED CEILING PLANS FOR PAINT COLORS.
 - REFER TO DOOR SCHEDULE FOR FINISH ON DOORS AND FRAMES.
 - WALL MOUNTED DIFFUSERS, GRILLES, ACCESS PANELS, ELECTRICAL PANELS, ETC. ARE TO BE PAINTED WITH AN OIL-BASED PAINT TO MATCH THE ADJACENT WALL FINISH.
 - CEILING ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT CEILING FINISH.
 - REFER TO ARCHITECTURAL FLOOR PLANS FOR LOCKER LOCATIONS, FINISHES AND QUANTITIES.
 - CASEWORK FINISH TAGS APPLY TO LIKE MATERIALS IN ENTIRE ROOM. I.E. CASEWORK TAG MAY ONLY CALLOUT ONE RUN OF CASEWORK, BUT ALL CASEWORK IN ROOM RECEIVE THE SAME FINISHES, UNLESS TAGGED DIFFERENTLY.
 - CASEWORK FINISH TAGS DO NOT APPLY TO CUSTOM MILLWORK PIECES. REFER TO THEIR SECTIONS AND/OR ELEVATIONS FOR FINISH MATERIALS.
 - REFER TO ENLARGED STAIR PLANS AND SECTIONS FOR FINISH COLORS OF STRINGERS AND GUARDRAILS.
 - PUBLIC TOILET ROOM PARTITIONS ARE TO BE TYPE-X. LOCKER ROOM PARTITION ARE TO BE TYPE-Y.
 - ALL EXPOSED COLUMNS TO BE PAINTED P-X.
 - SPACES WITHOUT FINISH TAGS: EXISTING FINISHES TO REMAIN.

- WINDOW TREATMENT KEY**
- | | |
|------|---|
| RS-1 | MANUAL SINGLE ROLLER SHADE, BASIS OF DESIGN: MERMET E SCREEN, FABRIC: PEARL/LINEN, 5% OPEN |
| RS-2 | REMOTE CONTROLLED DUAL ROLLER SHADE, BASIS OF DESIGN: MERMET E SCREEN, FABRIC: PEARL/LINEN, 5% OPEN |
- REFER TO SPECIFICATION FOR MORE INFORMATION.
 - WINDOW TREATMENT TAGS SHOWN ON PLAN REPRESENTS A SINGLE SHADE, UNLESS NOTED OTHERWISE.
 - REFER TO FLOOR PLANS, EXTERIOR ELEVATIONS AND FRAME TYPES FOR HEIGHT AND WIDTH OF OPENINGS.
 - WINDOW TREATMENTS ARE TO BE MOUNTED INSIDE OF THE WINDOW OPENING FROM HEAD TO SILL AND JAMB TO JAMB, UNLESS NOTED OTHERWISE.
 - VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION.

- FINISH PLAN KEY: CARPET TILE**
- | | |
|--------------------------|--|
| CPTL-1, INSTALL ASHLAR. | CPTL-3A, INSTALL ASHLAR. |
| CPTL-2A, INSTALL ASHLAR. | CPTL-3B, INSTALL ASHLAR. |
| CPTL-2B, INSTALL ASHLAR. | COMPRISED EQUAL MIX OF CPTL-7 AND CPTL-8, INSTALL STAGGERED. |



TowerPinkster
Architecture · Engineering · Interiors

242 East Kalamazoo Avenue, Suite 100
East Fulton Street, Suite 200
Cadillac, Michigan 49701
616.456.9944
269.343.6133 fax
269.343.6133 mobile
TOWERPINKSTER.COM
© 2020 ALL RIGHTS RESERVED

PROJECT TITLE
PACKAGE 2 - HIGH SCHOOL
RENOVATION & ADDITIONS

OWNER
CADILLAC AREA PUBLIC SCHOOLS

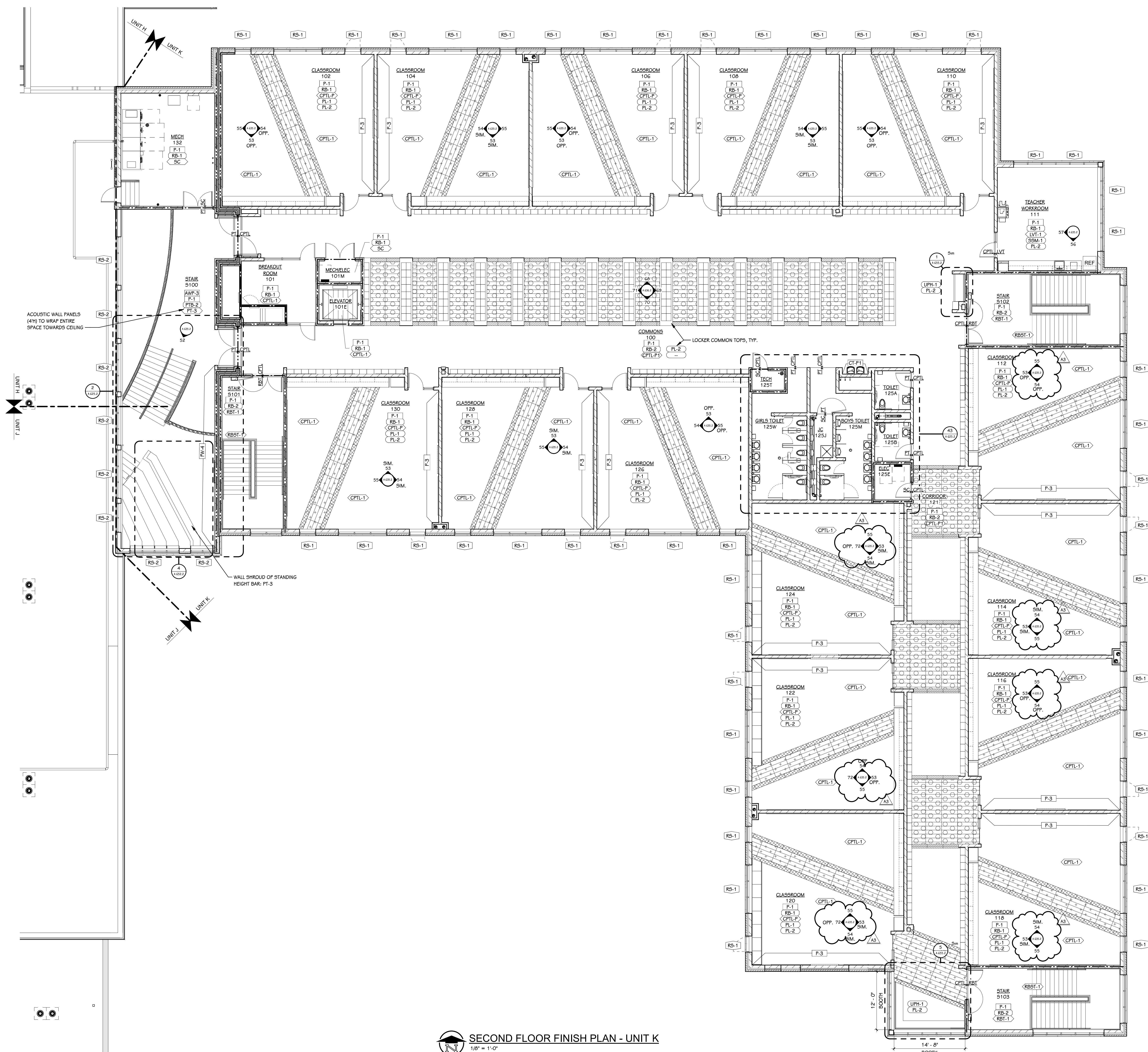
SHEET TITLE
FIRST FLOOR FINISH PLAN - UNIT K

DATE
DECEMBER 9, 2021

SHEET NUMBER
A 601.2K
17-175.70

ADDENDUM 3
ISSUED FOR
DATE

CADILLAC HIGH SCHOOL



SECOND FLOOR FINISH PLAN - UNIT K
1/8" = 1'-0"

FINISH KEY	
P-#	WALL FINISH
RB-#	FLOOR BASE
CPTL-#	FLOOR FINISH
PL-#	COUNTER FINISH
CB-#	CABINET FINISH (BASE AND UPPER)
INDICATES EXTENT OF ATYPICAL FINISH	
VCT/CPTL	INDICATES FLOOR MATERIAL TRANSITION NOTE - REFER TO MATERIAL SELECTION SCHEDULE REMARKS FOR FLOOR TRANSITION TYPE
MULTI	INDICATES MULTIPLE MATERIAL TYPES ON A SURFACE. REFER TO DETAIL OR ELEVATIONS.
- P	INDICATES MATERIAL PATTERN. REFER TO DETAILS

- FINISH PLAN GENERAL NOTES**
- REFER TO ARCHITECTURAL FLOOR PLANS AND SPECIFICATION FOR ADDITIONAL INFORMATION ON CONSTRUCTION MATERIALS.
 - REFER TO REFLECTED CEILING PLANS FOR CEILING FINISH AND HEIGHTS.
 - AT AREAS OF EXPOSED CEILING WHERE THE DUCT WORK AND DIFFUSERS ARE TO BE PAINTED, COORDINATE WITH MECHANICAL SPECIFICATIONS AND REFER TO THE REFLECTED CEILING PLANS FOR PAINT COLORS.
 - REFER TO DOOR SCHEDULE FOR FINISH ON DOORS AND FRAMES.
 - WALL MOUNTED DIFFUSERS, GRILLES, ACCESS PANELS, ELECTRICAL PANELS, ETC. ARE TO BE PAINTED WITH AN OIL-BASED PAINT TO MATCH THE ADJACENT WALL FINISH.
 - CEILING ACCESS PANELS ARE TO BE PAINTED TO MATCH ADJACENT CEILING FINISH.
 - REFER TO ARCHITECTURAL FLOOR PLANS FOR LOCKER LOCATIONS, FINISHES AND QUANTITIES.
 - FINISH TAGS APPLY TO LIKE MATERIALS IN ENTIRE ROOM. I.E. CASEWORK TAG MAY ONLY CALLOUT ONE RUN OF CASEWORK, BUT ALL CASEWORK IN ROOM RECEIVE THE SAME FINISHES, UNLESS TAGGED DIFFERENTLY.
 - CASEWORK FINISH TAGS DO NOT APPLY TO CUSTOM MILLWORK PIECES. REFER TO THEIR SECTIONS AND/OR ELEVATIONS FOR FINISH MATERIALS.
 - REFER TO ENLARGED STAIR PLANS AND SECTIONS FOR FINISH COLORS OF STRINGERS AND GUARDRAILS.
 - PUBLIC TOILET ROOM PARTITIONS ARE TO BE TYPE-X. LOCKER ROOM PARTITION ARE TO BE TYPE-Y.
 - ALL EXPOSED COLUMNS TO BE PAINTED P-X.
 - SPACES WITHOUT FINISH TAGS: EXISTING FINISHES TO REMAIN.

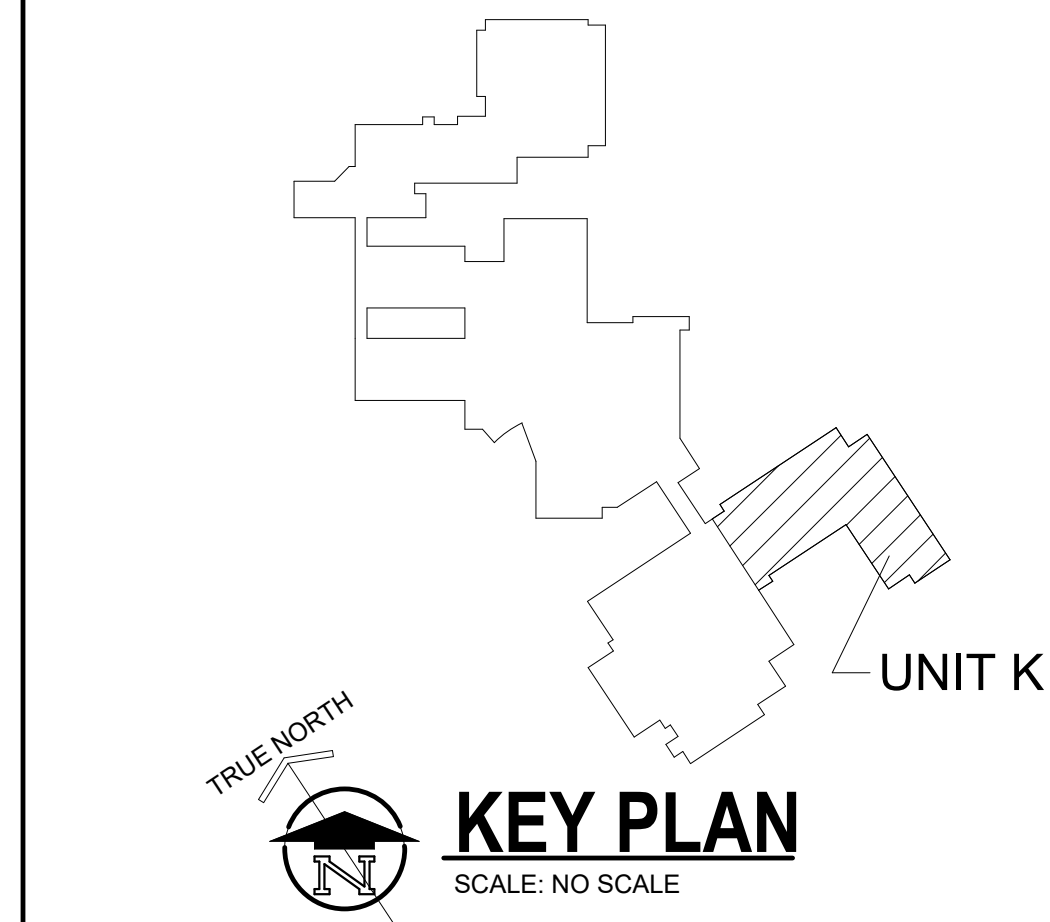
- WINDOW TREATMENT KEY**
- RS-1 MANUAL SINGLE ROLLER SHADE, BASIS OF DESIGN: MERMET E SCREEN, FABRIC: PEARL/LINEN, 5% OPEN
- RS-2 REMOTE CONTROLLED DUAL ROLLER SHADE, BASIS OF DESIGN: MERMET E SCREEN, FABRIC: PEARL/LINEN, 5% OPEN
- REFER TO SPECIFICATION FOR MORE INFORMATION.
 - WINDOW TREATMENT TAGS SHOWN ON PLAN REPRESENTS A SINGLE SHADE, UNLESS NOTED OTHERWISE.
 - REFER TO FLOOR PLANS, EXTERIOR ELEVATIONS AND FRAME TYPES FOR HEIGHT AND WIDTH OF OPENINGS.
 - WINDOW TREATMENTS ARE TO BE MOUNTED INSIDE OF THE WINDOW OPENING FROM HEAD TO SILL AND JAMB TO JAMB, UNLESS NOTED OTHERWISE.
 - VERIFY ALL DIMENSIONS IN FIELD PRIOR TO FABRICATION.

- FINISH PLAN KEY: CARPET TILE**
- | | |
|--------------------------|--|
| CPTL-1, INSTALL ASHLAR. | CPTL-3A, INSTALL ASHLAR. |
| CPTL-2A, INSTALL ASHLAR. | CPTL-3B, INSTALL ASHLAR. |
| CPTL-2B, INSTALL ASHLAR. | COMPRISED EQUAL MIX OF CPTL-7 AND CPTL-8, INSTALL STAGGERED. |

- FINISH PLAN KEY: TILE**
- | | | |
|------------------------|--------------------------|---------------|
| PT-1, 1/3 OFFSET. | CT-1, STACKED VERTICAL | CT-7, STACKED |
| PT-2, 1/3 OFFSET. | CT-1, STACKED HORIZONTAL | |
| PT-3, STAGGERED. | CT-2, STACKED VERTICAL | |
| PT-5, STACKED VERTICAL | CT-3, STACKED | |

OWNER
CADILLAC AREA PUBLIC SCHOOLS

CADILLAC HIGH SCHOOL



TOWERPINKSTER

Architecture · Engineering · Interiors

242 East Kalamazoo Avenue, Suite 100
East Fulton Street, Suite 200
Cadillac, Michigan 49701
616.455.9944
© 2020 ALL RIGHTS RESERVED

PROJECT TITLE
PACKAGE 2 - HIGH SCHOOL
RENOVATION & ADDITIONS

OWNER
CADILLAC AREA PUBLIC SCHOOLS

SHEET TITLE
SECOND FLOOR FINISH PLAN - UNIT K

DATE
DECEMBER 9, 2021

SHEET NUMBER
A 602.2K

ISSUED FOR

DATE

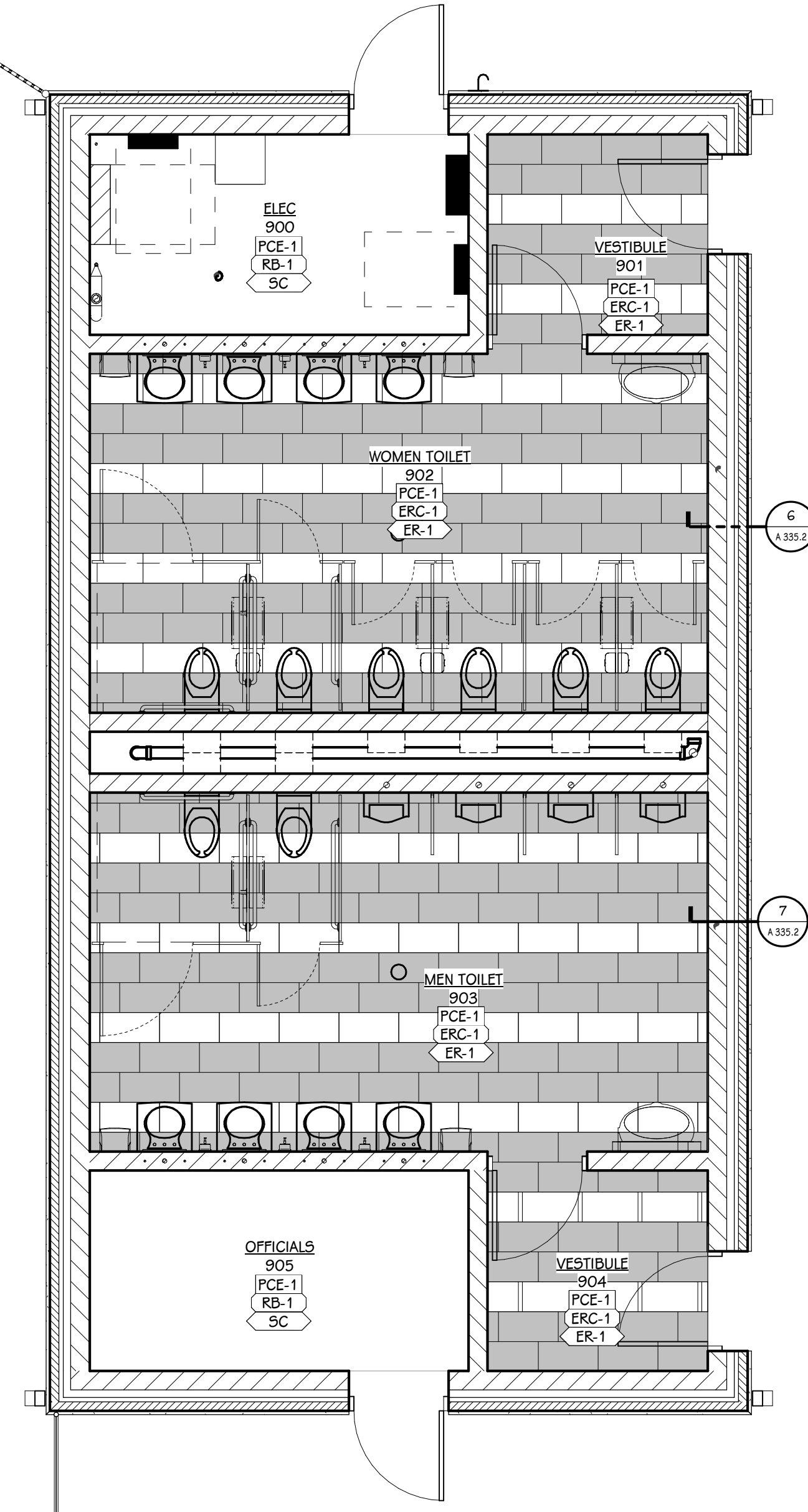
TRUE NORTH

KEY PLAN

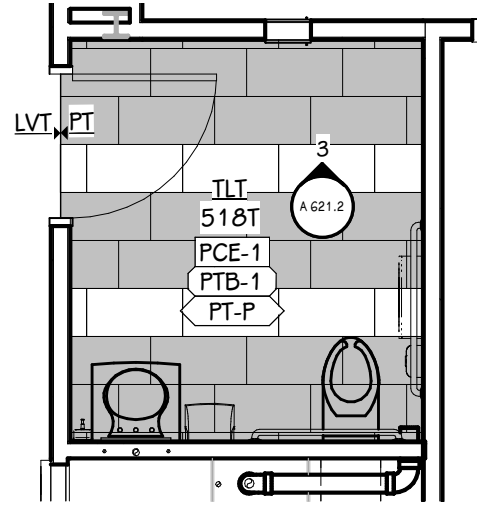
SCALE: NO SCALE

242 East Kalamazoo Avenue, Suite 100
East Fulton Street, Suite 200
Cadillac, Michigan 49701
616.455.9944
© 2020 ALL RIGHTS RESERVED

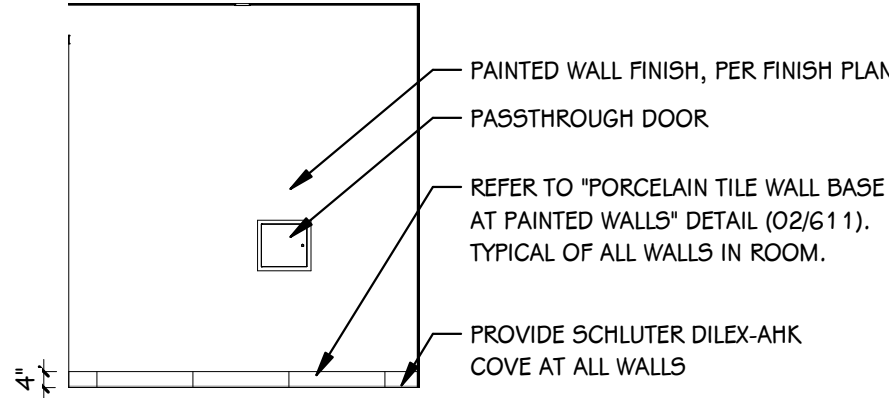
242 East Kalamazoo Avenue, Suite 100
East Fulton Street, Suite 200
Cadillac, Michigan 49701
616.455.9944
© 2020 ALL RIGHTS RESERVED



1 STADIUM TOILETS - ENLARGED PLAN
1/4" = 1'-0"



2 TOILET 518T - ENLARGED PLAN
1/4" = 1'-0"



3 TOILET 518T - NORTH
1/4" = 1'-0"

GENERAL CASEWORK/MILLWORK NOTES

1. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.

2. FILLER PANELS SHALL BE NO LESS THAN 2" WIDE, UNLESS NOTED OTHERWISE.

3. REFER TO FLOOR FINISH PLANS FOR CASEWORK AND COUNTERTOP FINISHES BY ROOM.

4. FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.

5. ALL VERTICAL AND HORIZONTAL EXPOSED AND SEMI-EXPOSED SURFACES TO BE FINISHED WITH BODY PLASTIC LAMINATE.

6. SUPPORT BRACKETS ARE REQUIRED EVERY 36" O.C. AT AREAS WHERE COUNTERTOP IS OPEN UNDERNEATH. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING BRACKETS APPROPRIATELY SIZED BASED ON DEPTH OF COUNTER.

7. PATTERN OR GRAIN DIRECTION TO BE VERTICAL ON DOORS AND HORIZONTAL ON DRAWERS - PER AWI STANDARDS, UNLESS NOTED OTHERWISE.

8. LOCKS: ALL UNITS TO BE KEYED ALIKE PER ROOM. ALL ROOMS KEYED DIFFERENTLY.

9. GROMMET LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH THE OWNER PRIOR TO INSTALLATION - COORDINATE WITH POWER & DATA LOCATIONS FOR ANY ADDITIONAL WIRE MANAGEMENT REQUIREMENTS

10. *SLABSMITHING WILL BE REQUIRED IN INSTANCES WHERE A PATTERNED QUARTZ, NATURAL STONE, OR SOLID SURFACE IS SPECIFIED.

STANDARD ABBREVIATIONS FOR CASEWORK/MILLWORK

ADJ — ADJUSTABLE

BF — BARRIER FREE

FP — FILLER PANEL

LFE — LEFT FINISHED END

RP — REMOVABLE PANEL

RFE — RIGHT FINISHED END

CASEWORK HARDWARE AND ACCESSORY SELECTIONS

PULL SELECTION: WIRE PULLS, SATIN NICKEL

COUNTERTOP EDGE: 3MM PVC EDGE, STANDARD SQUARE

FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.

CABINET INTERIOR: STANDARD WHITE.

GROMMETS TYPE 4 FINISH, WHERE INDICATED.

FINISH PLAN KEY: TILE

PT-1, 1/3 OFFSET.

PT-2, 1/3 OFFSET.

PT-3, STAGGERED.

PT-5, STACKED VERTICAL

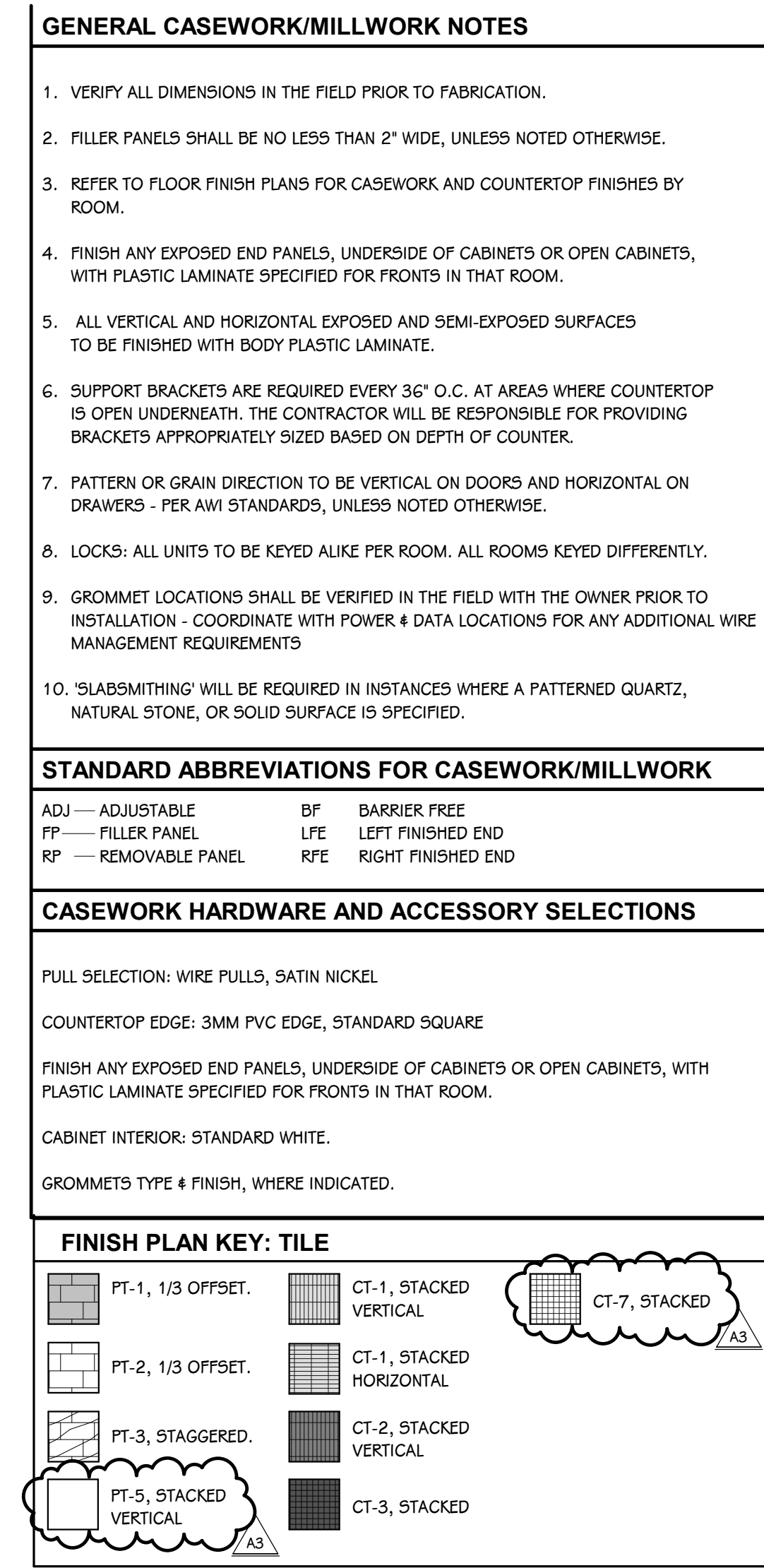
CT-1, STACKED VERTICAL

CT-1, STACKED HORIZONTAL

CT-2, STACKED VERTICAL

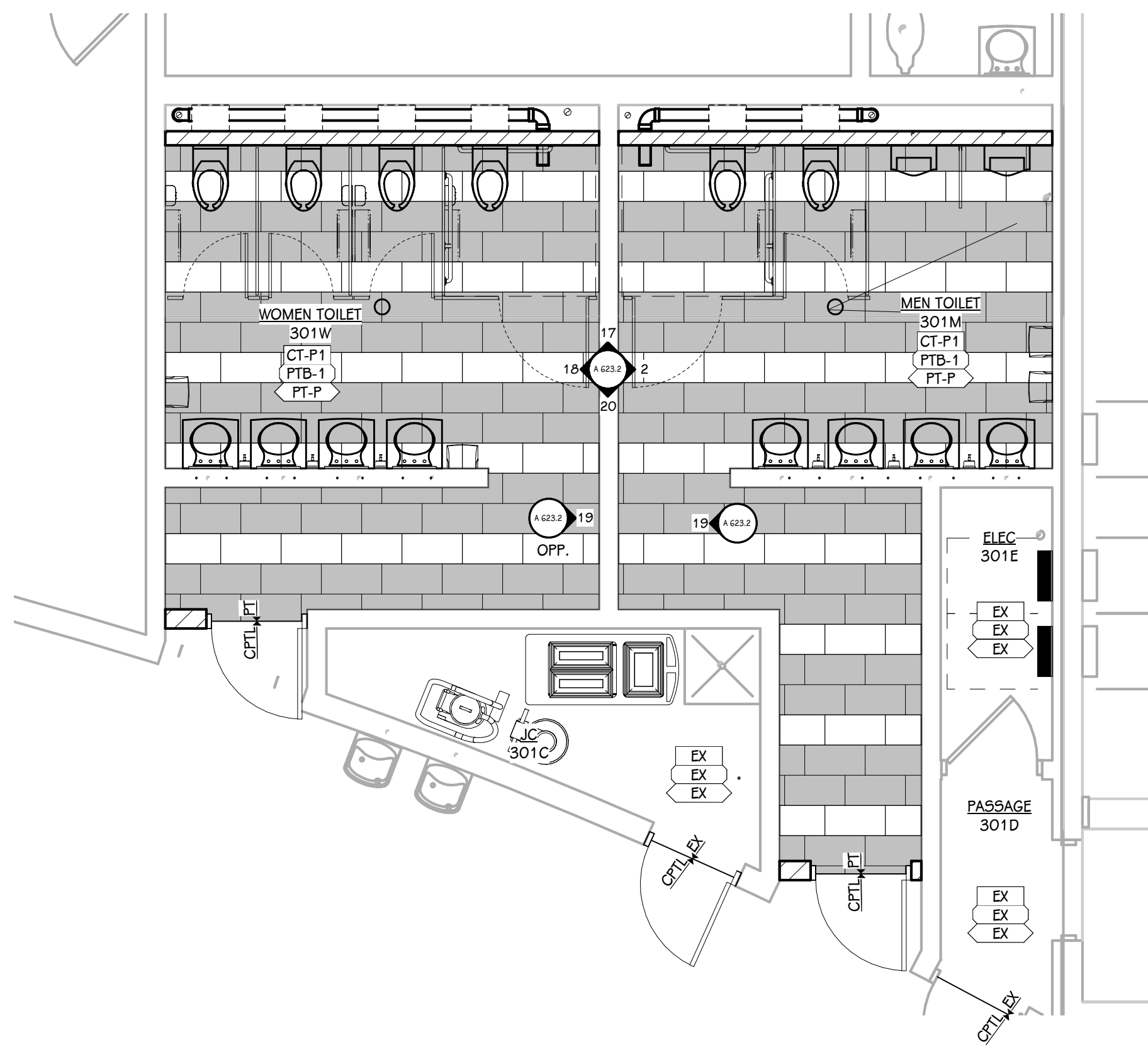
CT-3, STACKED

CT-7, STACKED

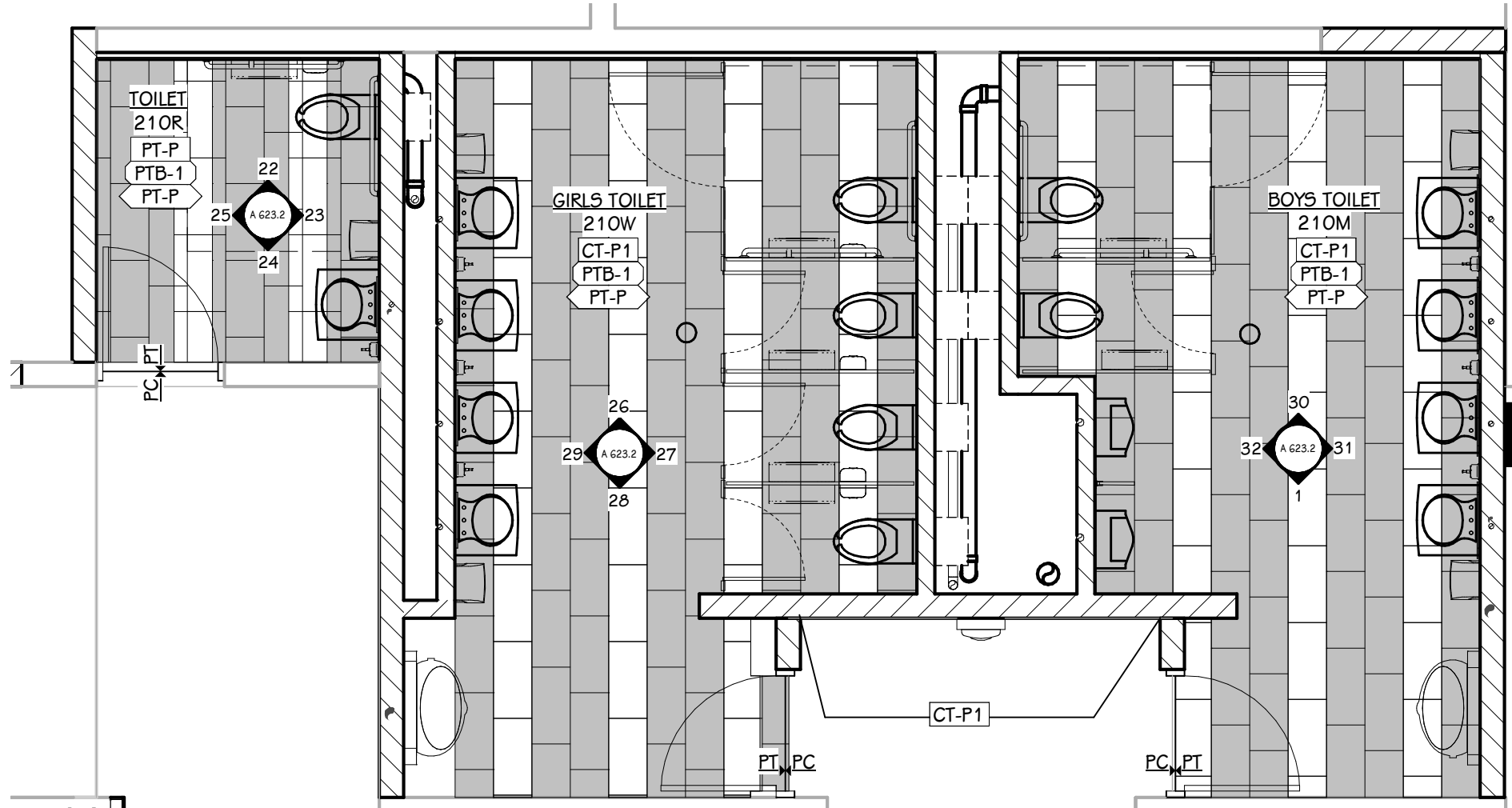


4 UNIT D LOCKER ROOMS - ENLARGED PLAN 1/4" = 1'-0"

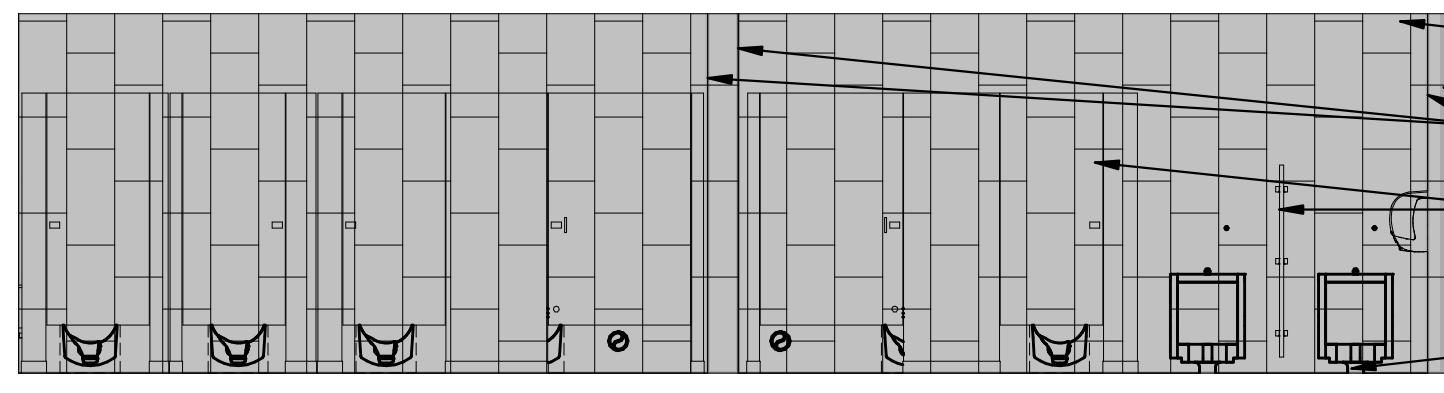




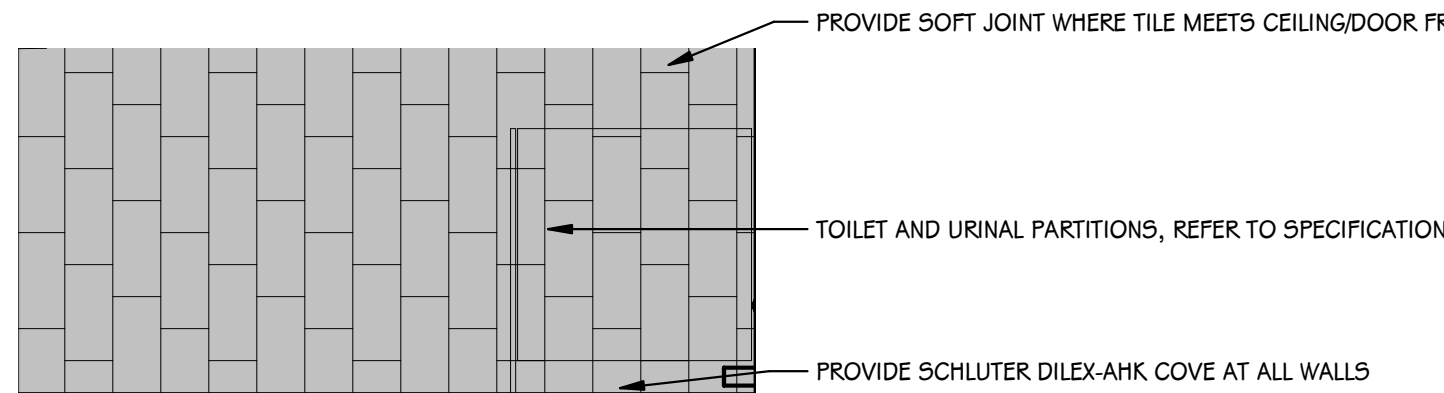
16 TOILET ROOMS 310 - ENLARGED PLAN
1/4" = 1'-0"



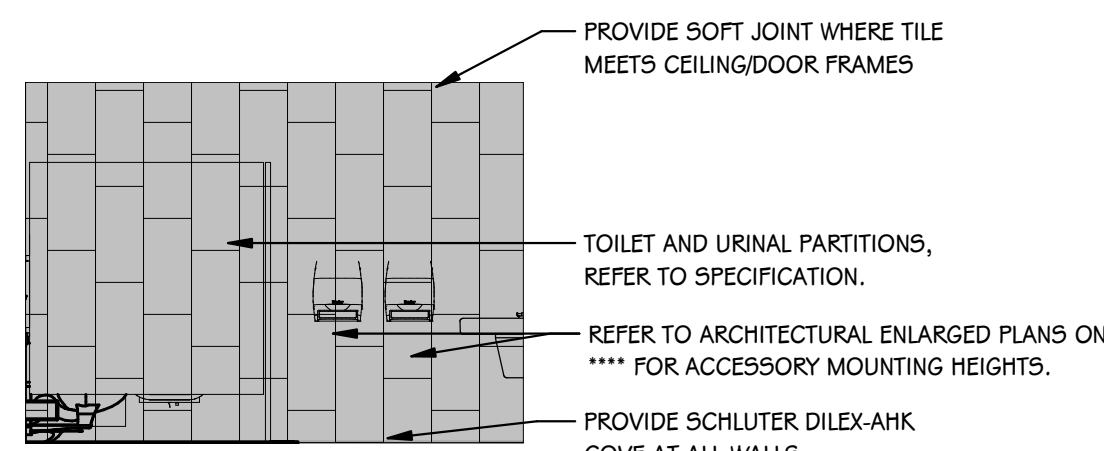
21 TOILET ROOMS 210 - ENLARGED PLAN
1/4" = 1'-0"



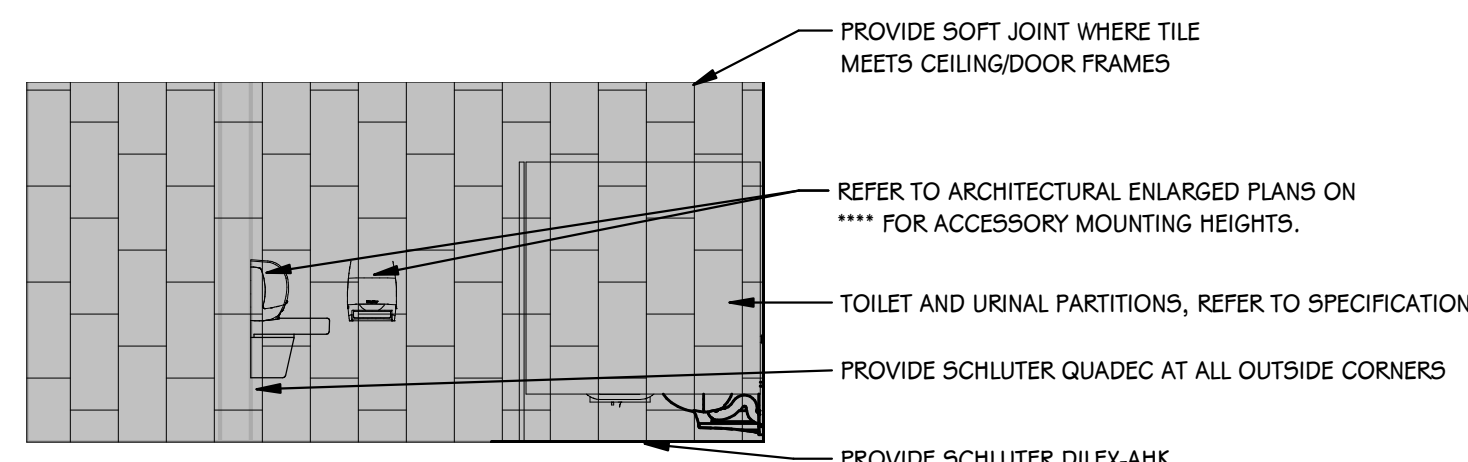
17 TOILET ROOMS 301 - NORTH
1/4" = 1'-0"



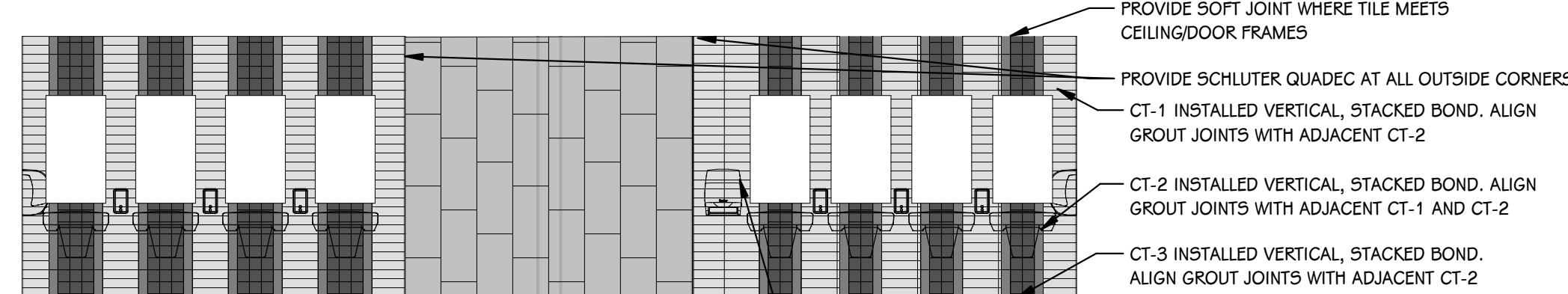
19 TOILET ROOMS 301 - WEST
1/4" = 1'-0"



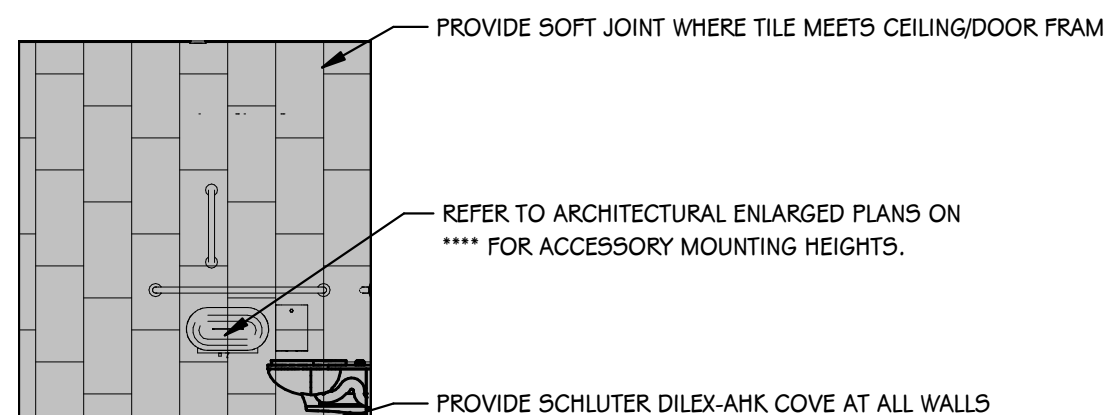
2 MEN TOILET 301M - EAST
1/4" = 1'-0"



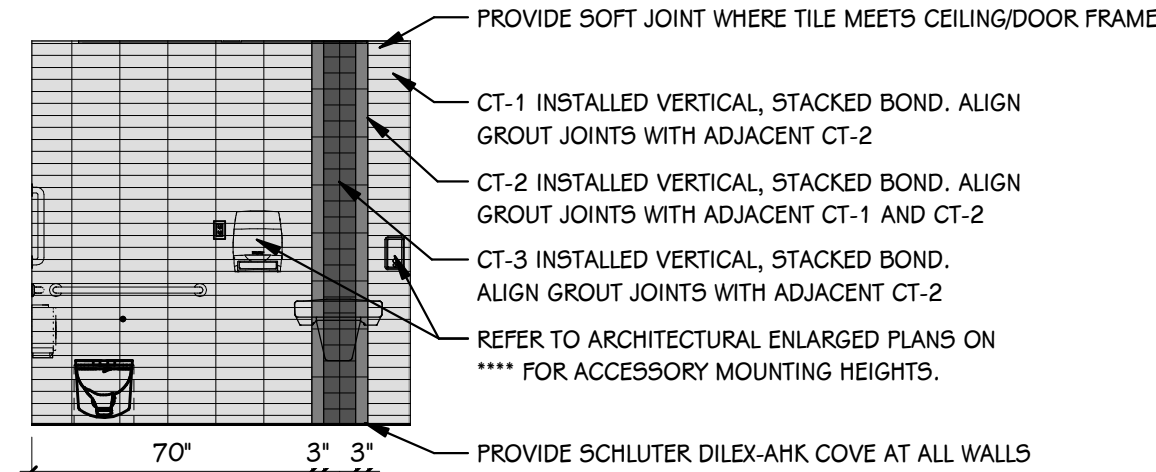
18 WOMEN TOILET 301W - WEST
1/4" = 1'-0"



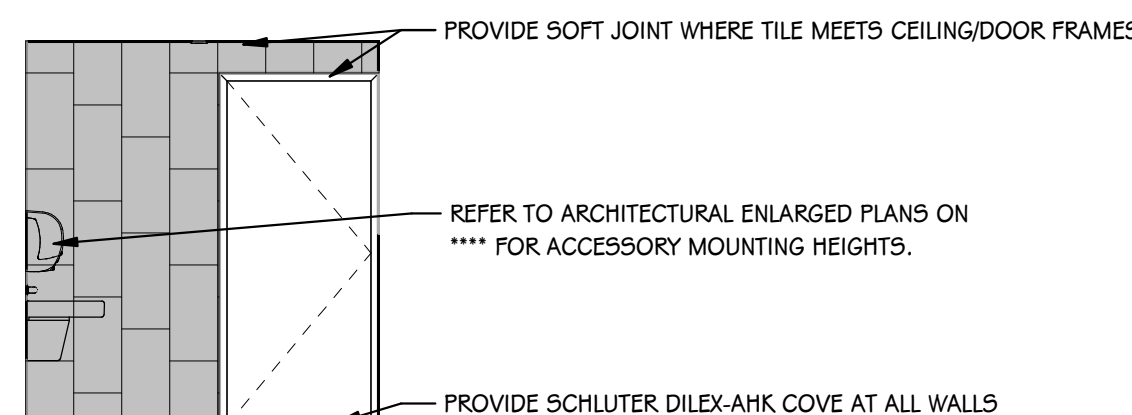
20 TOILET ROOMS 301 - SOUTH
1/4" = 1'-0"



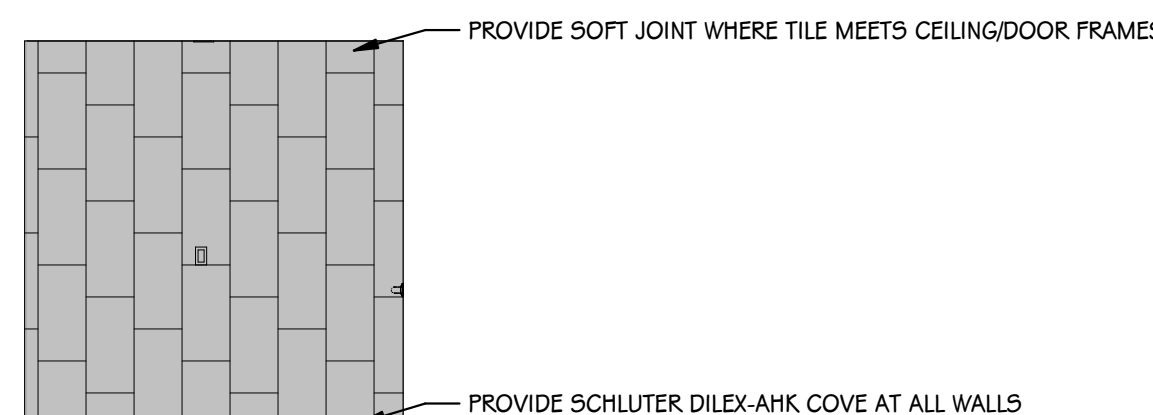
22 TOILET 210R - NORTH
1/4" = 1'-0"



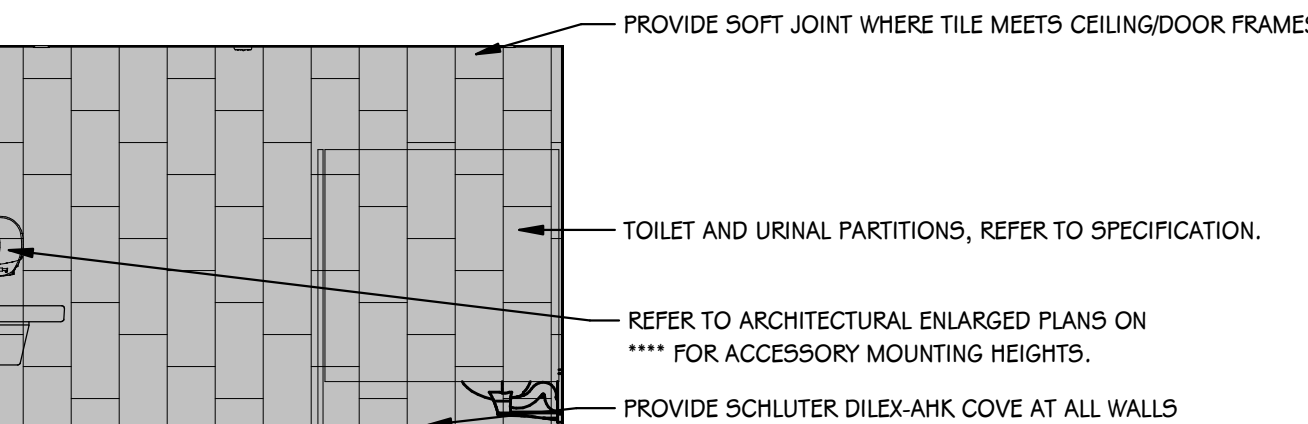
23 TOILET 210R - EAST
1/4" = 1'-0"



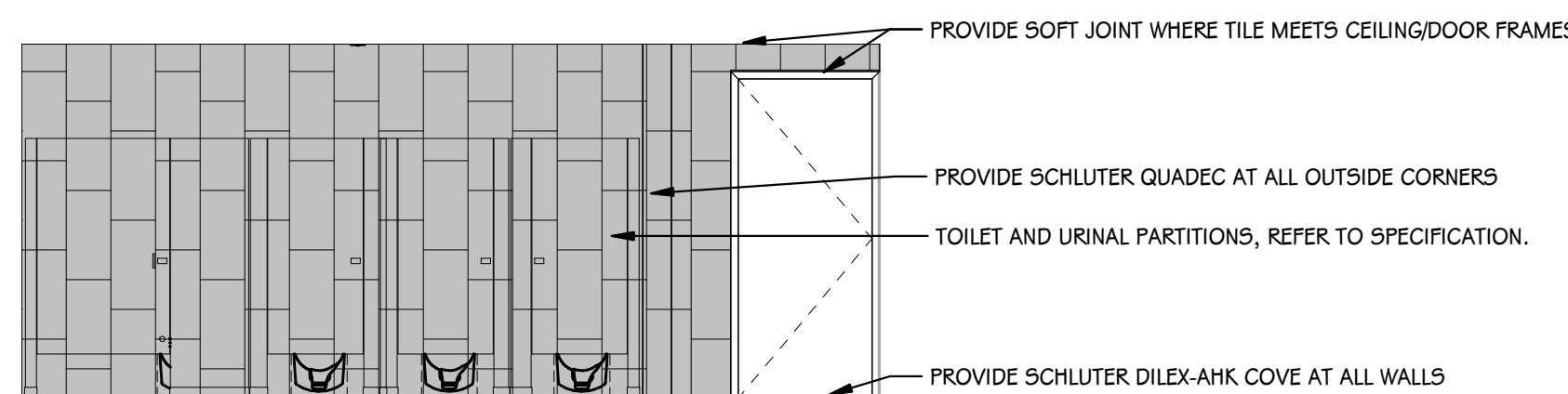
24 TOILET 210R - SOUTH
1/4" = 1'-0"



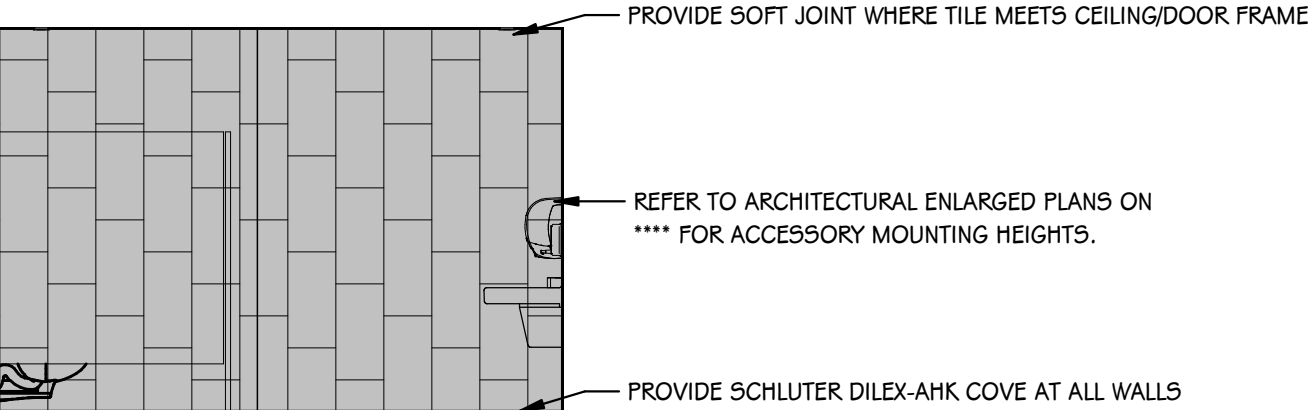
25 TOILET 210R - WEST
1/4" = 1'-0"



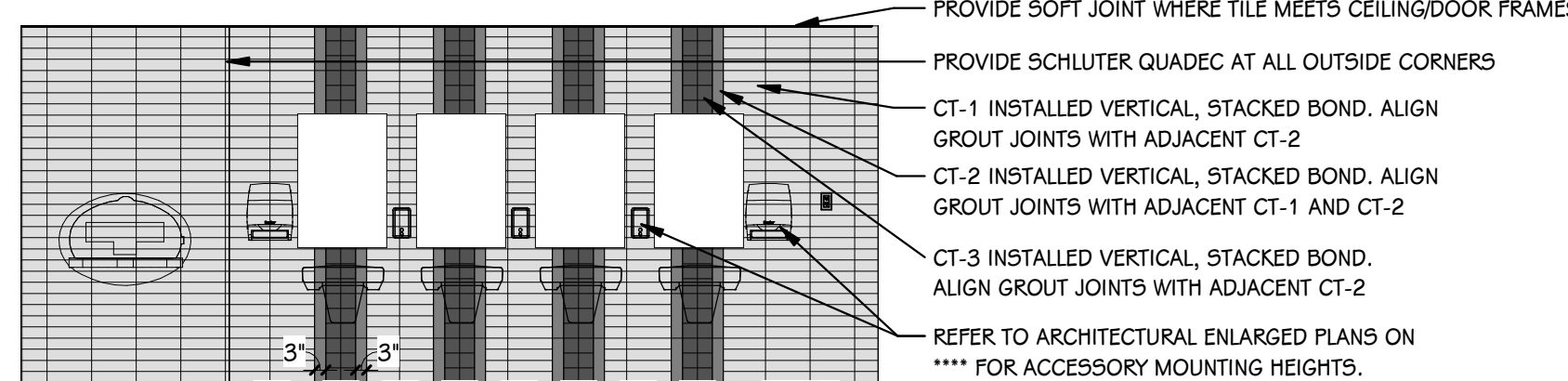
26 GIRLS TOILET 210W - NORTH
1/4" = 1'-0"



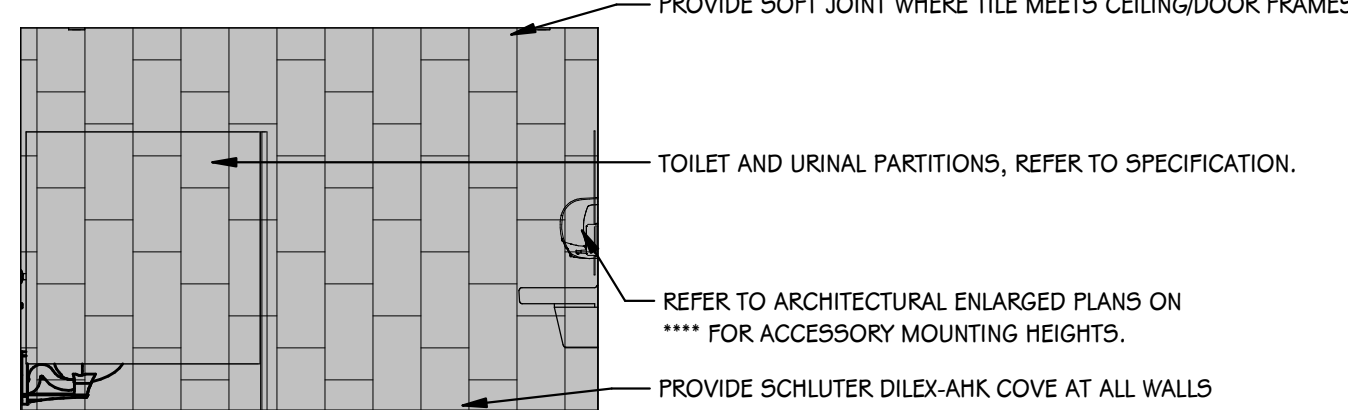
27 GIRLS TOILET 210W - EAST
1/4" = 1'-0"



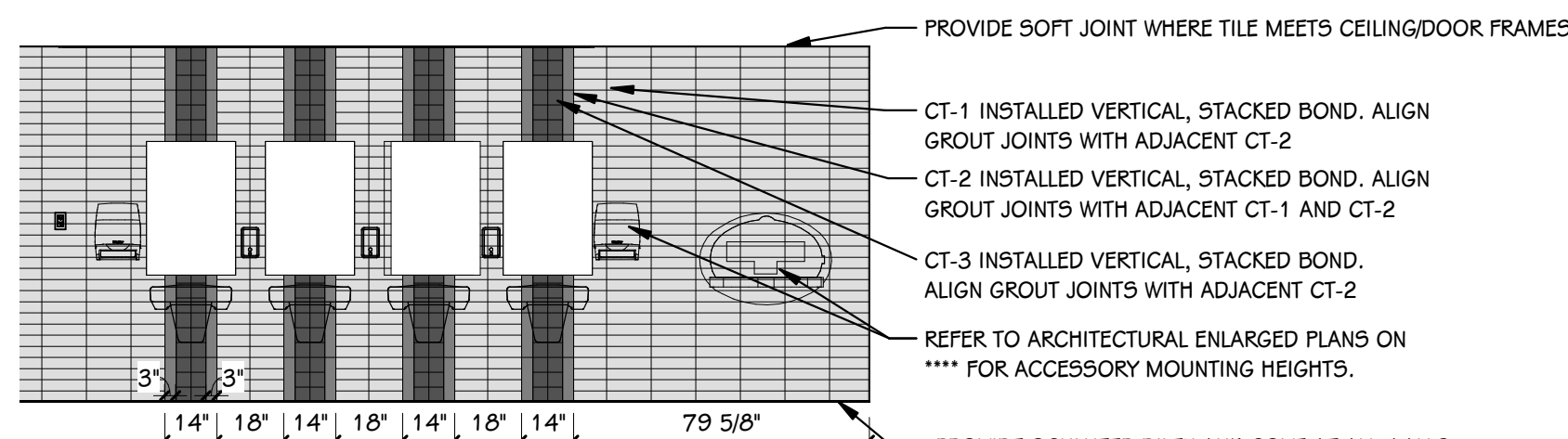
28 GIRLS TOILET 210W - SOUTH
1/4" = 1'-0"



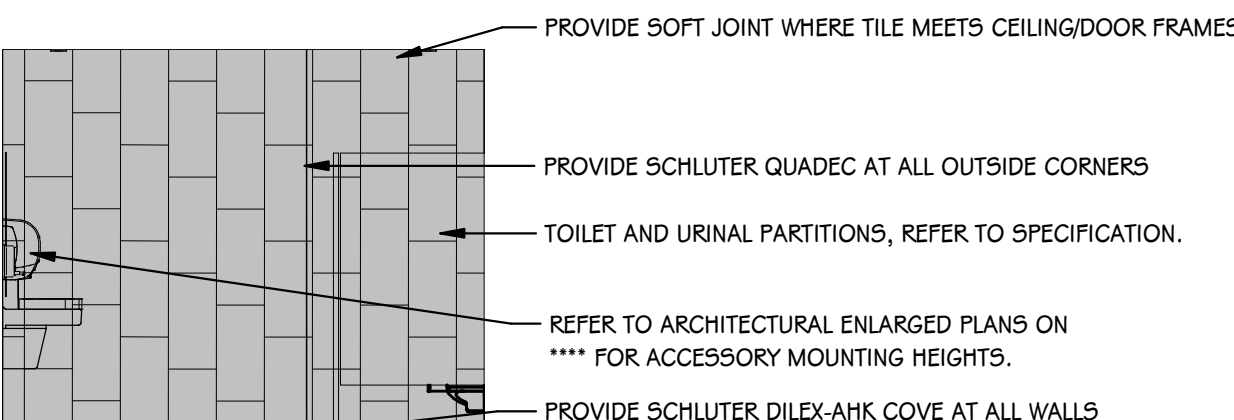
29 GIRLS TOILET 210W - WEST
1/4" = 1'-0"



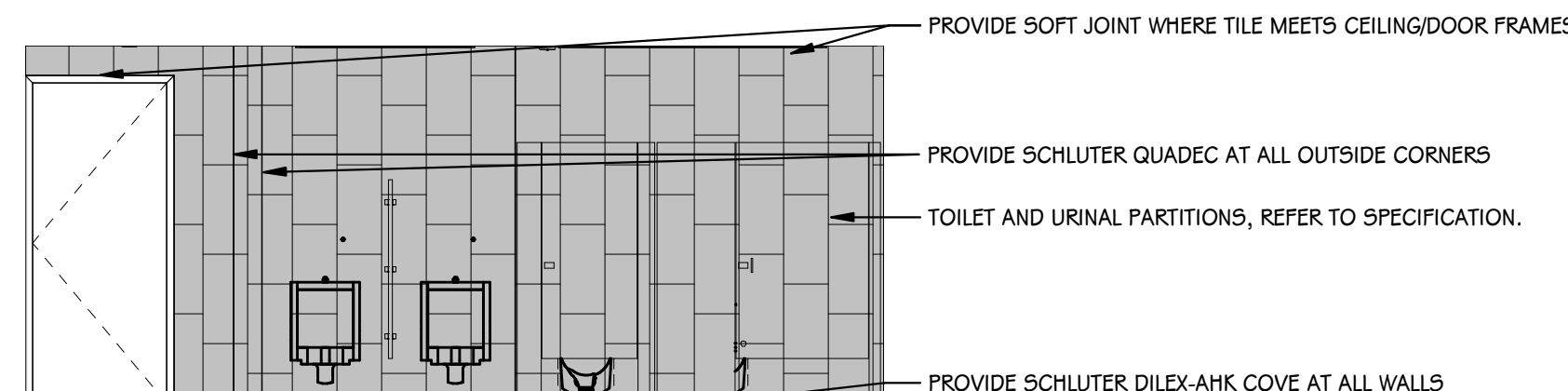
30 BOYS TOILET 210M - NORTH
1/4" = 1'-0"



31 BOYS TOILET 210M - EAST
1/4" = 1'-0"



1 BOYS TOILET 210M - SOUTH
1/4" = 1'-0"



32 BOYS TOILET 210M - WEST
1/4" = 1'-0"

GENERAL CASEWORK/MILLWORK NOTES

1. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.
2. FILLER PANELS SHALL BE NO LESS THAN 2' WIDE, UNLESS NOTED OTHERWISE.
3. REFER TO FLOOR FINISH PLANS FOR CASEWORK AND COUNTERTOP FINISHES BY ROOM.
4. FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.
5. ALL VERTICAL AND HORIZONTAL EXPOSED AND SEMI-EXPOSED SURFACES TO BE FINISHED WITH BODY PLASTIC LAMINATE.
6. SUPPORT BRACKETS ARE REQUIRED EVERY 36" O.C. AT AREAS WHERE COUNTERTOP IS OPEN UNDERNEATH. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING BRACKETS APPROPRIATELY SIZED BASED ON DEPTH OF COUNTER.
7. PATTERN OR GRAIN DIRECTION TO BE VERTICAL ON DOORS AND HORIZONTAL ON DRAWERS - PER AIA STANDARDS, UNLESS NOTED OTHERWISE.
8. LOCKS: ALL UNITS TO BE KEYPED ALIKE PER ROOM. ALL ROOMS KEYPED DIFFERENTLY.
9. GROMMET LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH THE OWNER PRIOR TO INSTALLATION - COORDINATE WITH POWER & DATA LOCATIONS FOR ANY ADDITIONAL WIRE MANAGEMENT REQUIREMENTS
10. *SLABS/SMITHING WILL BE REQUIRED IN INSTANCES WHERE A PATTERNED QUARTZ, NATURAL STONE, OR SOLID SURFACE IS SPECIFIED.

STANDARD ABBREVIATIONS FOR CASEWORK/MILLWORK

ADJ	ADJUSTABLE	BF	BARRIER FREE
FP	FILLER PANEL	LFE	LEFT FINISHED END
RF	REMOVABLE PANEL	RFE	RIGHT FINISHED END

CASEWORK HARDWARE AND ACCESSORY SELECTIONS

PULL SELECTION: WIRE PULLS, SATIN NICKEL

COUNTERTOP EDGE: 3MM PVC EDGE, STANDARD SQUARE

FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.

CABINET INTERIOR: STANDARD WHITE.

GROMMETS TYPE 4 FINISH, WHERE INDICATED.

FINISH PLAN KEY: TILE

PT-1, 1/3 OFFSET.	CT-1, STACKED VERTICAL.	CT-7, STACKED
PT-2, 1/3 OFFSET.	CT-1, STACKED HORIZONTAL.	
PT-3, STAGGERED.	CT-2, STACKED VERTICAL.	
PT-5, STACKED VERTICAL.	CT-3, STACKED	

PROJECT TITLE
PACKAGE 2 - HIGH SCHOOL
RENOVATION & ADDITIONS

OWNER
CADILLAC AREA PUBLIC SCHOOLS

SHEET TITLE
ENLARGED FINISH PLANS - UNIT F

Cadillac, Michigan

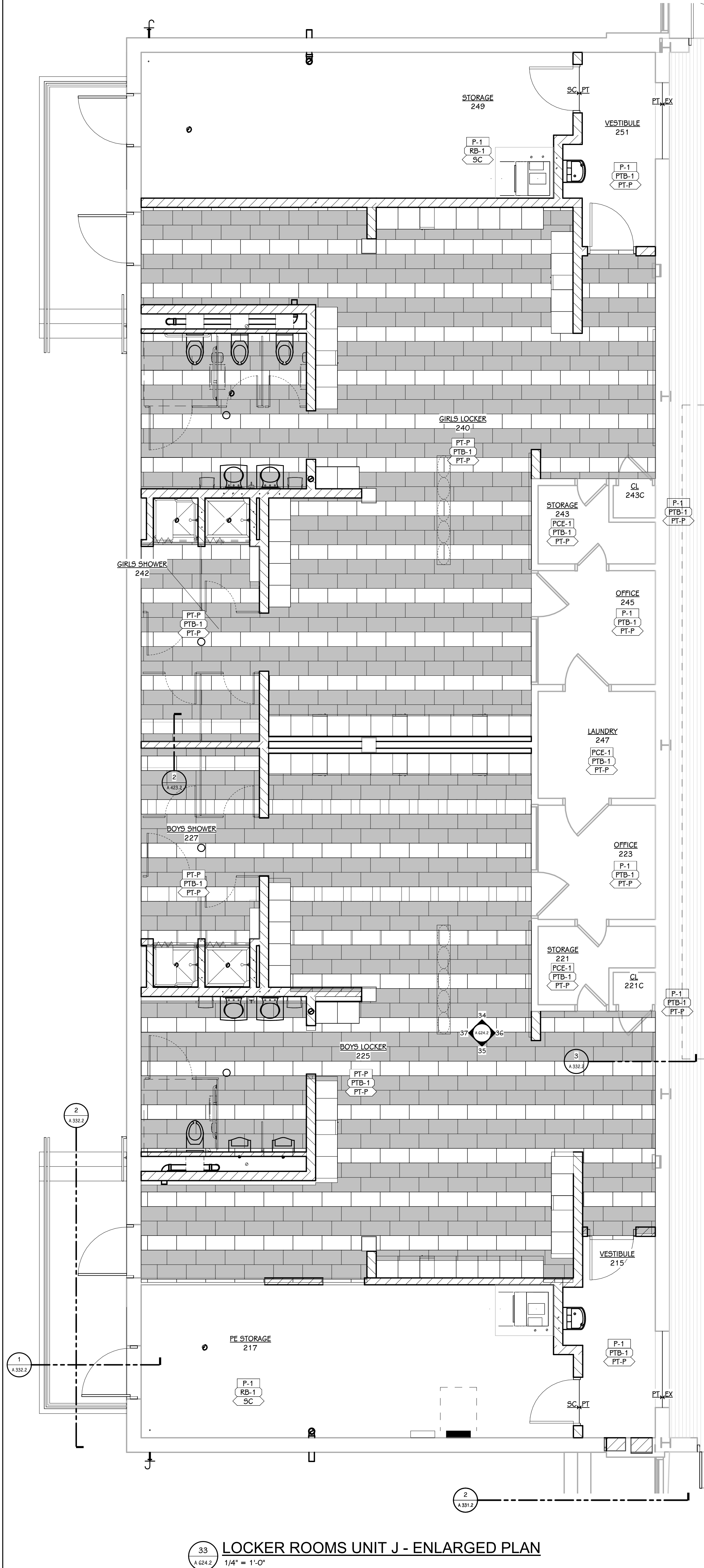
SHEET NUMBER
A 623.2
17-175.70

DATE
DECEMBER 9, 2021

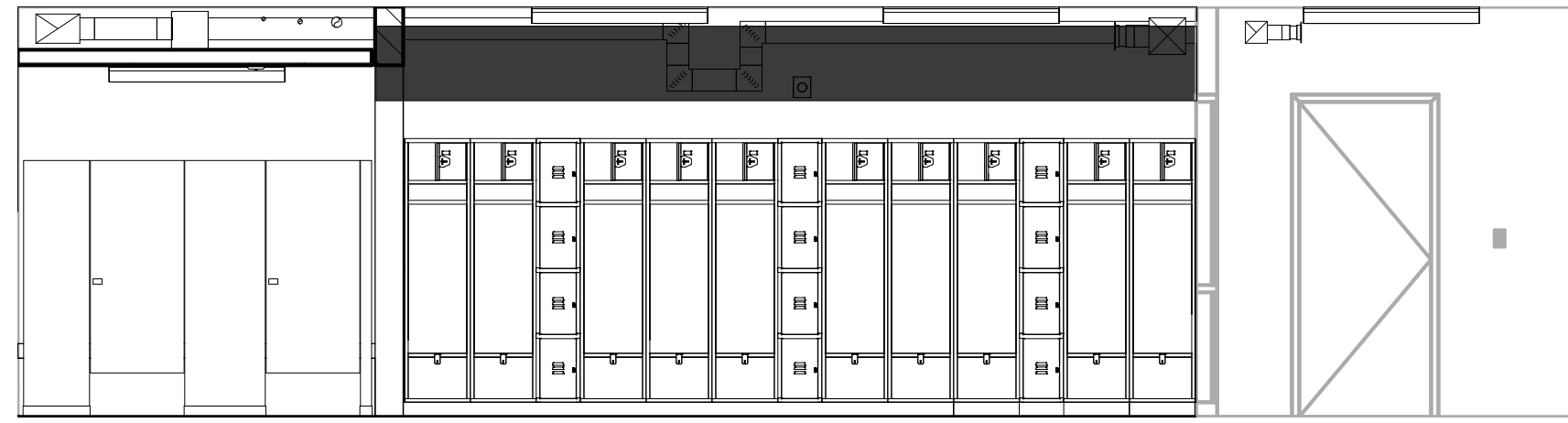
ISSUED FOR
DATE

TowerPinkster
Architecture · Engineering · Interiors

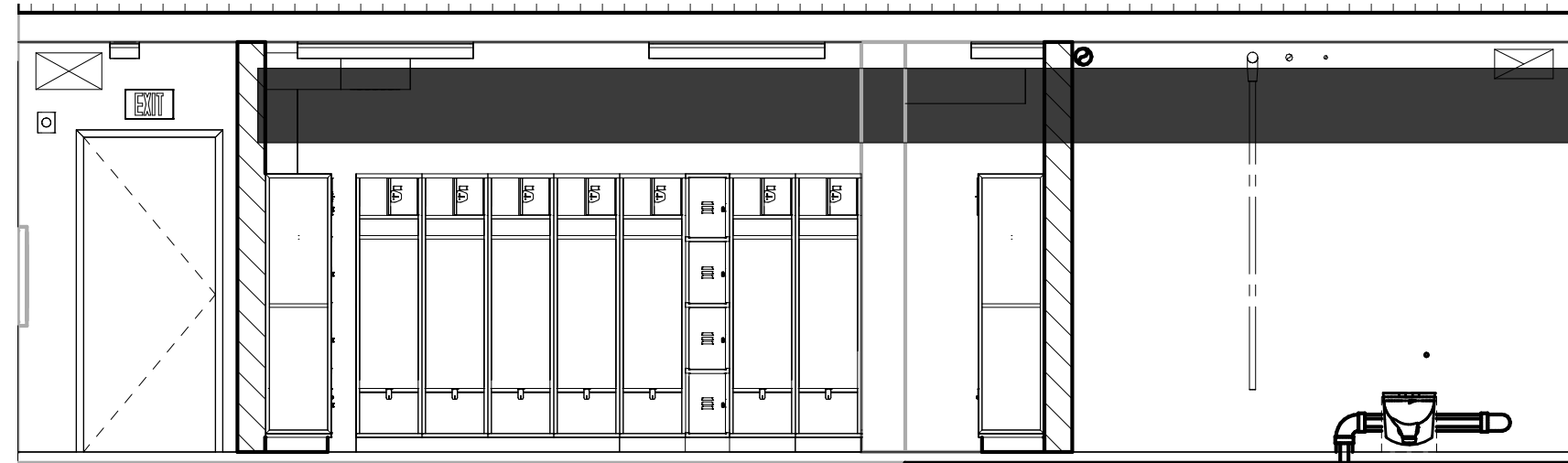
242 East Kalamazoo Avenue, Suite 100
Kalamazoo, Michigan 49001
616.456.9944
269.943.6133
TOWERPINKSTER.COM
© 2020 ALL RIGHTS RESERVED



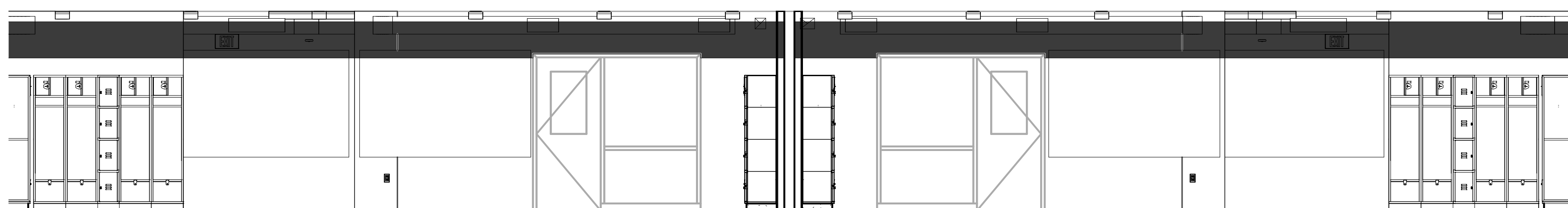
33 LOCKER ROOMS UNIT J - ENLARGED PLAN
1/4" = 1'-0"



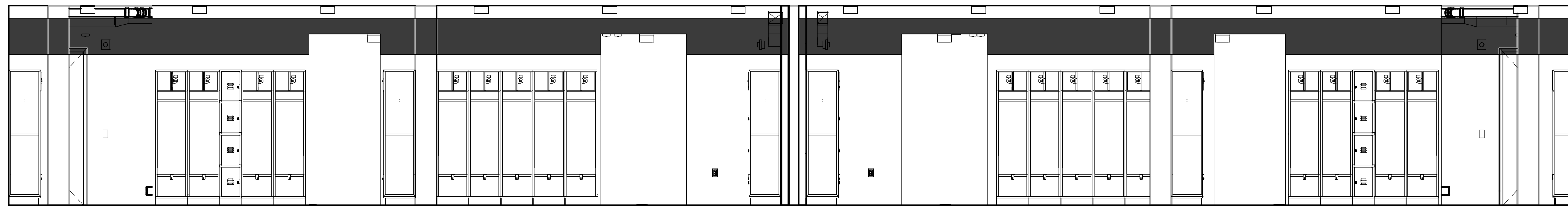
34 SOUTH LOCKER ROOM - NORTH - DD
1/4" = 1'-0"



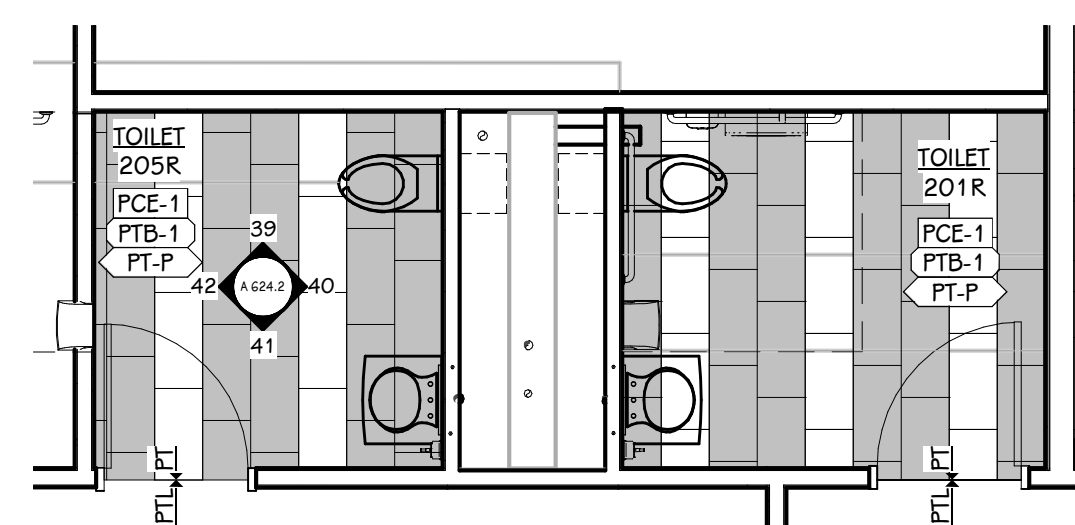
35 SOUTH LOCKER ROOM - SOUTH - DD
1/4" = 1'-0"



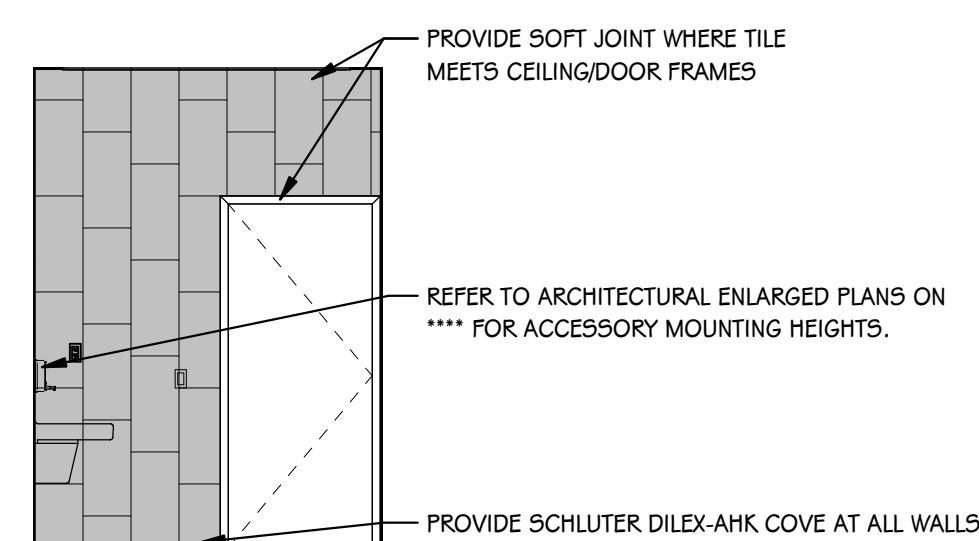
36 SOUTH LOCKER ROOM - EAST - DD
1/4" = 1'-0"



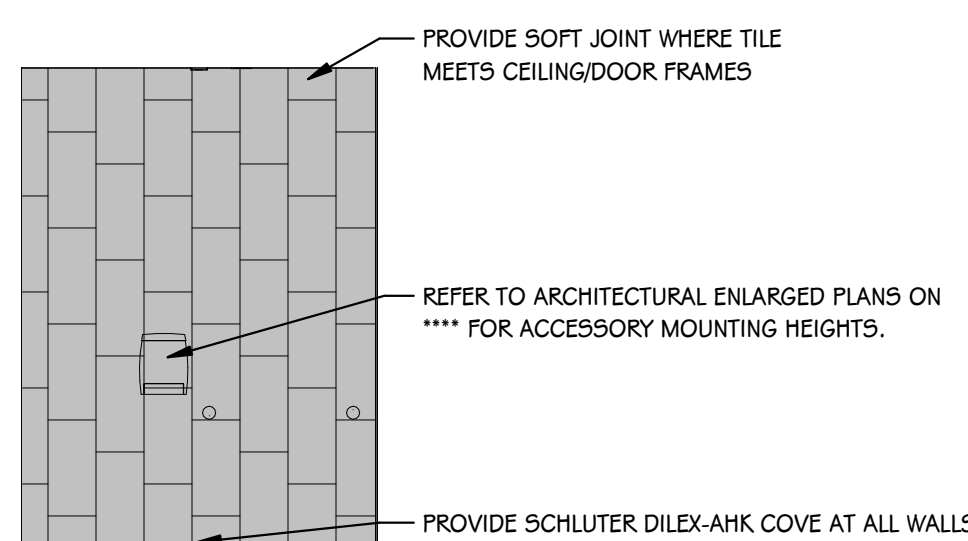
37 SOUTH LOCKER ROOM - WEST - DD
1/4" = 1'-0"



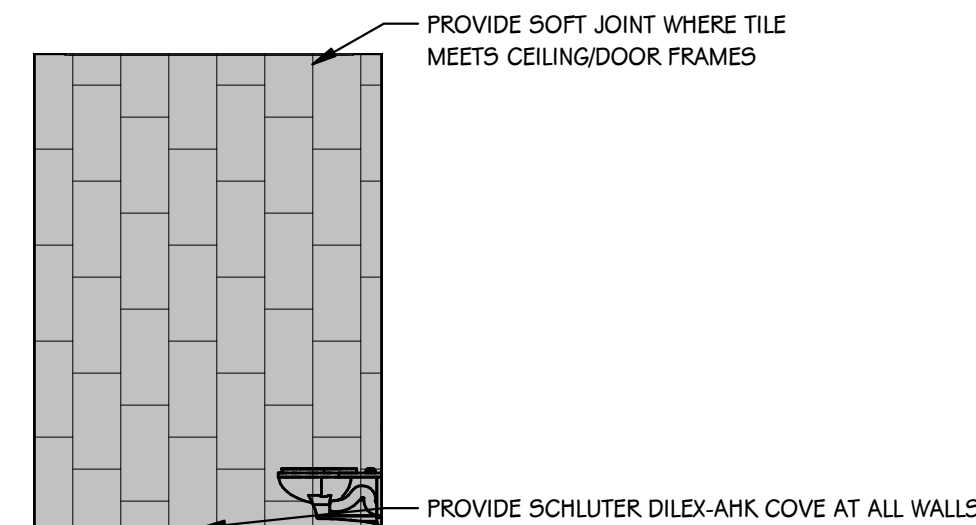
38 TOILET ROOMS 201/205 - ENLARGED PLAN
1/4" = 1'-0"



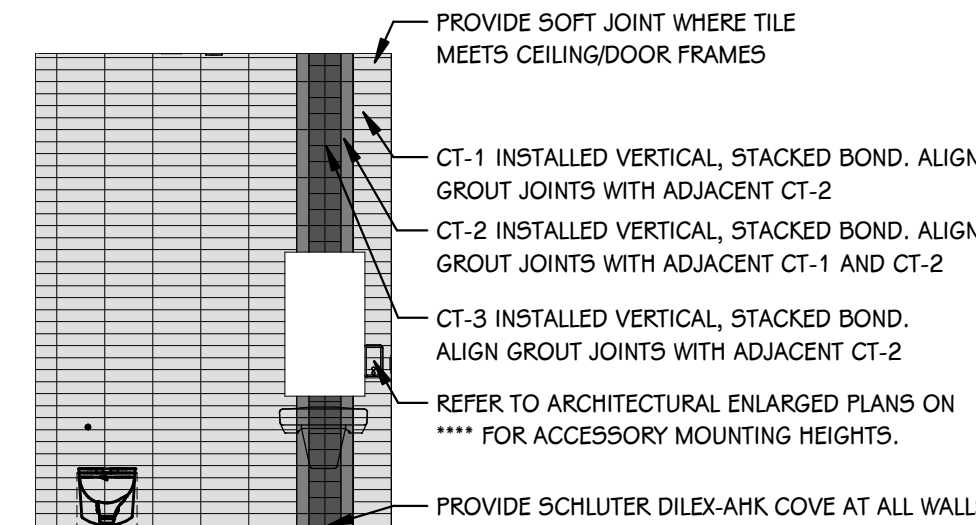
41 TOILET 205R - SOUTH
1/4" = 1'-0"



42 TOILET 205R - WEST
1/4" = 1'-0"



39 TOILET 205R - NORTH
1/4" = 1'-0"



40 TOILET 205R - EAST
1/4" = 1'-0"

GENERAL CASEWORK/MILLWORK NOTES

- 1. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.
- 2. FILLER PANELS SHALL BE NO LESS THAN 2" WIDE, UNLESS NOTED OTHERWISE.
- 3. REFER TO FLOOR FINISH PLANS FOR CASEWORK AND COUNTERTOP FINISHES BY ROOM.
- 4. FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.
- 5. ALL VERTICAL AND HORIZONTAL EXPOSED AND SEMI-EXPOSED SURFACES TO BE FINISHED WITH BODY PLASTIC LAMINATE.
- 6. SUPPORT BRACKETS ARE REQUIRED EVERY 36" O.C. AT AREAS WHERE COUNTERTOP IS OPEN UNDERNEATH. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING BRACKETS APPROPRIATELY SIZED BASED ON DEPTH OF COUNTER.
- 7. PATTERN OR GRAIN DIRECTION TO BE VERTICAL ON DOORS AND HORIZONTAL ON DRAWERS - PER AIA STANDARDS, UNLESS NOTED OTHERWISE.
- 8. LOCKS: ALL UNITS TO BE KEYED ALIKE PER ROOM. ALL ROOMS KEYED DIFFERENTLY.
- 9. GROMMET LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH THE OWNER PRIOR TO INSTALLATION - COORDINATE WITH POWER & DATA LOCATIONS FOR ANY ADDITIONAL WIRE MANAGEMENT REQUIREMENTS
- 10. 'SLABSMITHING' WILL BE REQUIRED IN INSTANCES WHERE A PATTERNED QUARTZ, NATURAL STONE, OR SOLID SURFACE IS SPECIFIED.

STANDARD ABBREVIATIONS FOR CASEWORK/MILLWORK

ADJ — ADJUSTABLE	BF — BARRIER FREE
FP — FILLER PANEL	LFE — LEFT FINISHED END
RP — REMOVABLE PANEL	RFE — RIGHT FINISHED END

CASEWORK HARDWARE AND ACCESSORY SELECTIONS

PULL SELECTION: WIRE PULLS, SATIN NICKEL










COUNTERTOP EDGE: 3MM PVC EDGE, STANDARD SQUARE

FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.

CABINET INTERIOR: STANDARD WHITE.

GROMMETS TYPE 4 FINISH, WHERE INDICATED.

FINISH PLAN KEY: TILE

	PT-1, 1/3 OFFSET.		CT-1, STACKED VERTICAL.	 CT-7, STACKED <i>A3</i>
	PT-2, 1/3 OFFSET.		CT-1, STACKED HORIZONTAL.	
	PT-3, STAGGERED.		CT-2, STACKED VERTICAL.	
	PT-5, STACKED VERTICAL. <i>A3</i>		CT-3, STACKED	

PROJECT TITLE
PACKAGE 2 - HIGH SCHOOL
RENOVATION & ADDITIONS

OWNER
CADILLAC AREA PUBLIC SCHOOLS

SHEET TITLE
ENLARGED FINISH PLANS - UNIT J

Cadillac, Michigan

SHEET NUMBER
A 624.2
17-175.70

DATE
DECEMBER 9, 2021

ISSUED FOR

DATE

OWNER

SHEET TITLE

Cadillac, Michigan

SHEET NUMBER
A 624.2
17-175.70

DATE
DECEMBER 9, 2021

PROJECT TITLE
PACKAGE 2 - HIGH SCHOOL
RENOVATION & ADDITIONS

OWNER
CADILLAC AREA PUBLIC SCHOOLS

SHEET TITLE
ENLARGED FINISH PLANS - UNIT J

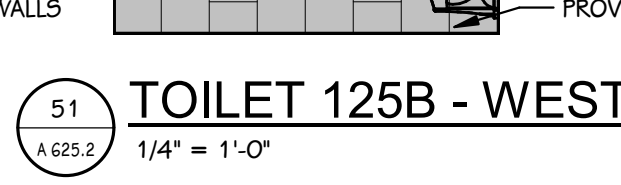
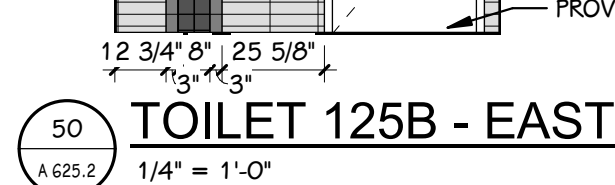
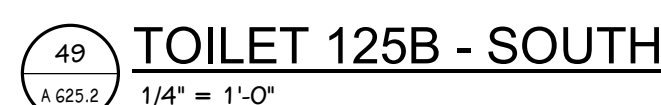
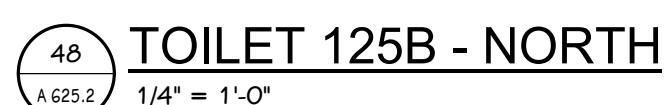
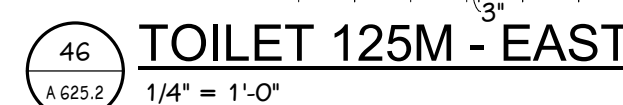
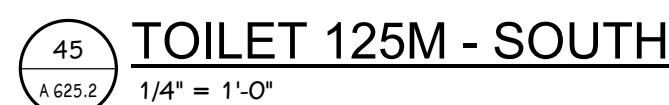
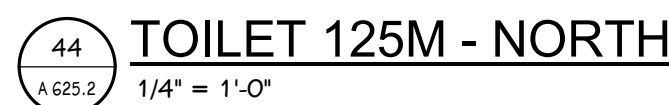
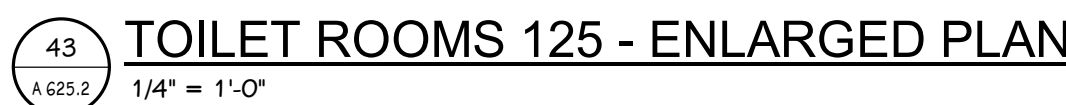
Cadillac, Michigan

SHEET NUMBER
A 624.2
17-175.70

DATE
DECEMBER 9, 2021

ISSUED FOR

DATE



1. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.
2. FILLER PANELS SHALL BE NO LESS THAN 2" WIDE, UNLESS NOTED OTHERWISE.
3. REFER TO FLOOR FINISH PLANS FOR CASEWORK AND COUNTERTOP FINISHES BY ROOM.
4. FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.
5. ALL VERTICAL AND HORIZONTAL EXPOSED AND SEMI-EXPOSED SURFACES TO BE FINISHED WITH BODY PLASTIC LAMINATE.
6. SUPPORT BRACKETS ARE REQUIRED EVERY 36" O.C. AT AREAS WHERE COUNTERTOP IS OPEN UNDERNEATH. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING BRACKETS APPROPRIATELY SIZED BASED ON DEPTH OF COUNTER.
7. PATTERN OR GRAIN DIRECTION TO BE VERTICAL ON DOORS AND HORIZONTAL ON DRAWERS - PER AWI STANDARDS, UNLESS NOTED OTHERWISE.
8. LOCKS: ALL UNITS TO BE KEYS ALIKE PER ROOM. ALL ROOMS KEYS DIFFERENTIALLY.
9. GROMMET LOCATIONS SHALL BE POWERED IN THE FIELD WITH THE OWNER PRIOR TO INSTALLATION - COORDINATE WITH VENDOR & DATA LOCATIONS FOR ANY ADDITIONAL WIRING MANAGEMENT REQUIREMENTS
10. SLABSMITHING WILL BE REQUIRED IN INSTANCES WHERE A PATTERNED QUARTZ, NATURAL STONE, OR SOLID SURFACE IS SPECIFIED.

ADJ — ADJUSTABLE	BF	BARRIER FREE
FP — FILLER PANEL	LFE	LEFT FINISHED END
RP — REMOVABLE PANEL	RFE	RIGHT FINISHED END

PULL SELECTION: WIRE PULLS, SATIN NICKEL

COUNTERTOP EDGE: 3MM PVC EDGE, STANDARD SQUARE

FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.

CABINET INTERIOR: STANDARD WHITE

Figure 1 displays nine different brick patterns arranged in a 3x3 grid. The patterns are labeled as follows:

- PT-1, 1/3 OFFSET
- PT-2, 1/3 OFFSET
- PT-3, STAGGERED
- PT-5, STACKED VERTICAL
- CT-1, STACKED VERTICAL
- CT-1, STACKED HORIZONTAL
- CT-2, STACKED VERTICAL
- CT-3, STACKED

ADDENDUM 3 DECEMBER 14, 2021

ISSUED FOR DATE

PROJECT TITLE PACKAGE 2 - HIGH SCHOOL RENOVATION & ADDITIONS

OWNER
CADILLAC AREA PUBLIC SCHOOLS

SHEET TITLE
ENLARGED FINISH PLANS - UNIT K

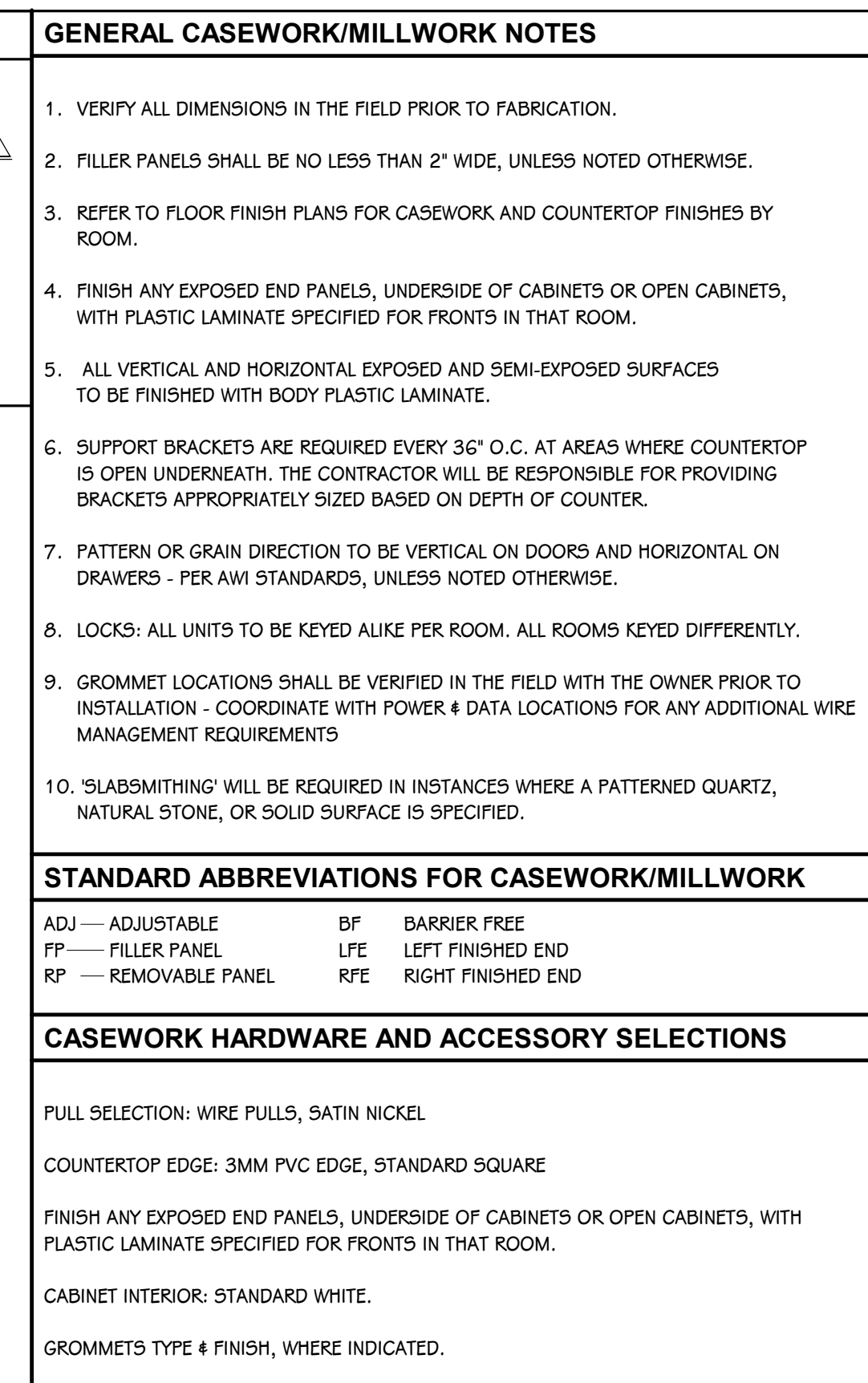
SHEET NUMBER
A 625.2
17-175.70

DATE
DECEMBER 9, 2021

Cadillac, Michigan

TowerPinkster
Architecture • Engineering • Interiors

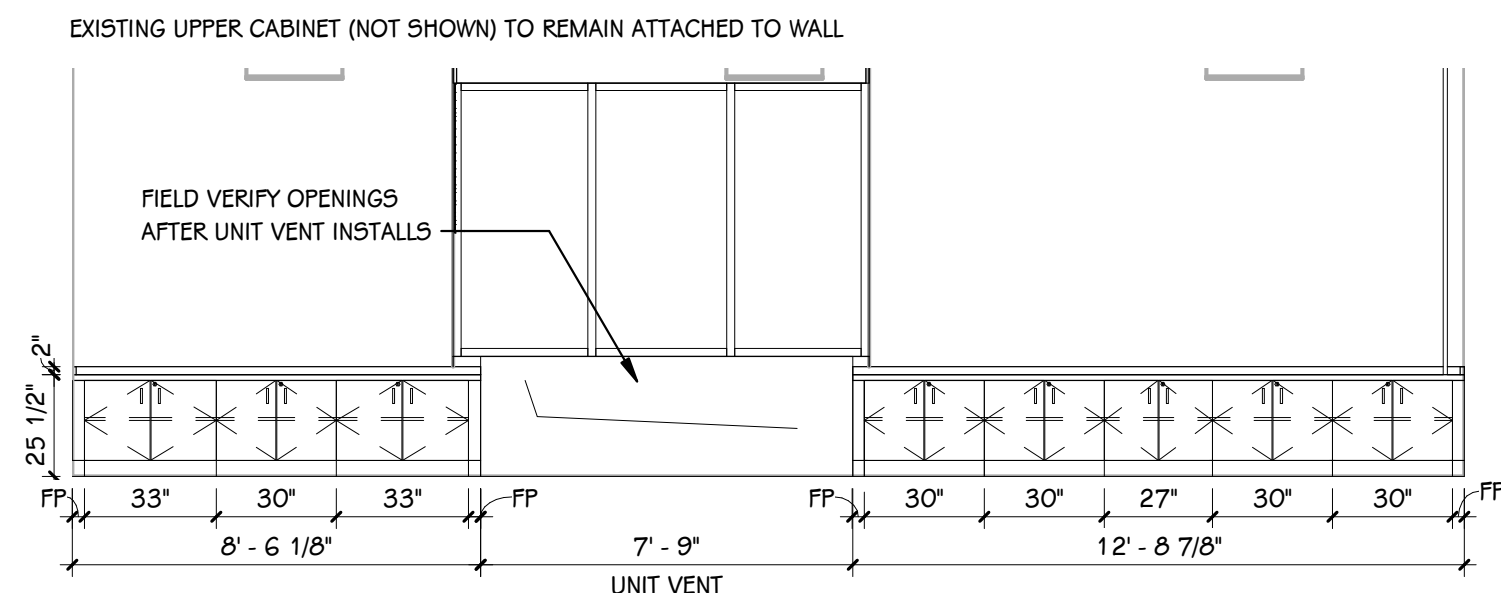
4 East Fulton Street, Suite 200
Grand Rapids, Michigan 49503
616.456.9944 PHONE 616.456.5936 FAX
242 East Kalamazoo Avenue, Suite 100
Kalamazoo, Michigan 49007-5828
269.343.6133 PHONE 269.343.6633 FAX
TOWERPINKSTER.COM
© 2020 ALL RIGHTS RESERVED



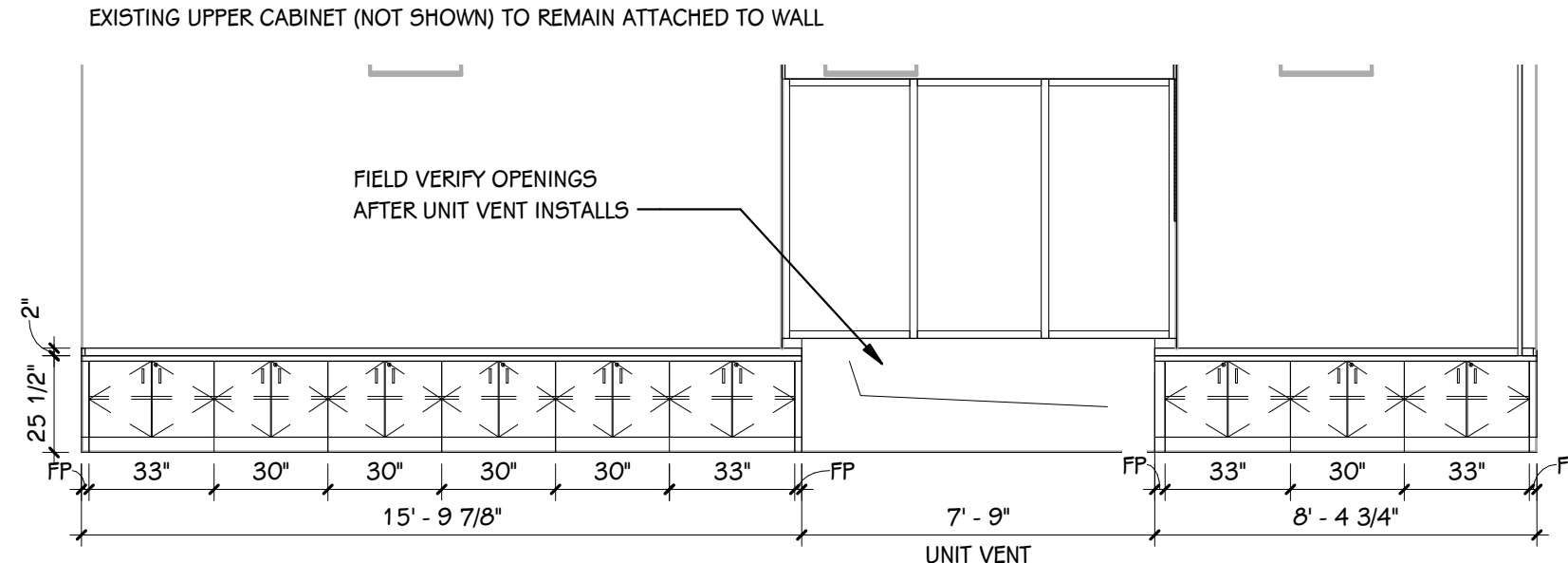
This architectural drawing illustrates the layout of a basketball court. The court is a rectangular area with a width of 11'-0" and a length of 52'-0". The backboard is positioned at the top center of the court, with a height of 5'-0" and a width of 4'-4". The hoop is located at the bottom center of the court, with a height of 10'-0" and a width of 4'-4". The court is divided into several sections by lines, and the dimensions are clearly marked. The drawing also shows the surrounding equipment, including the backboard, hoop, and various support structures.

3 NORTH GYM AGO - WEST
A 631.2 1/4" = 1'-0"

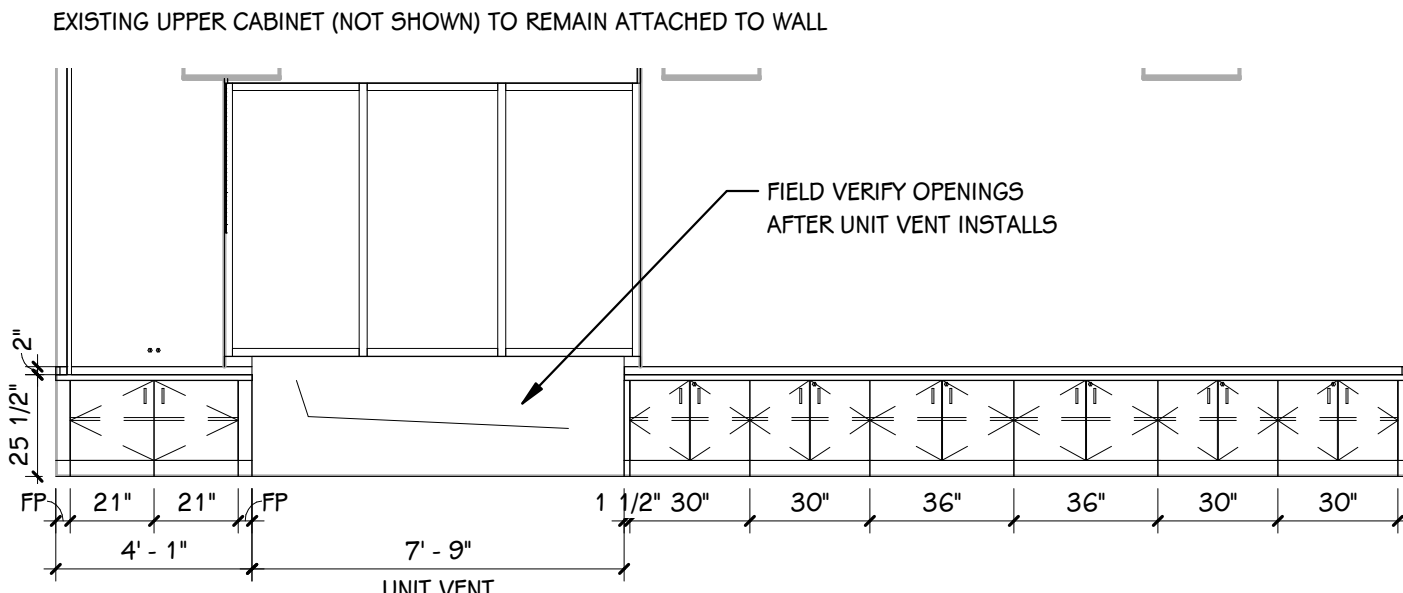




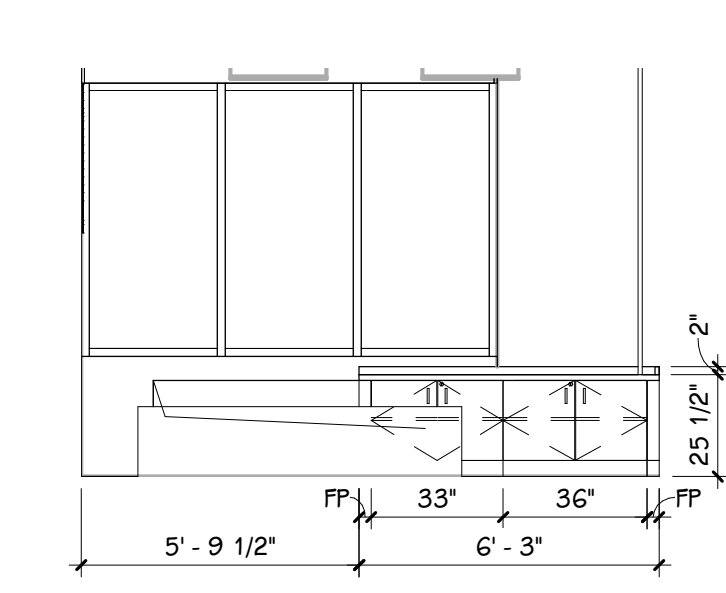
18 CLASSROOM 401 - SOUTH
A 633.2 1/4" = 1'-0"



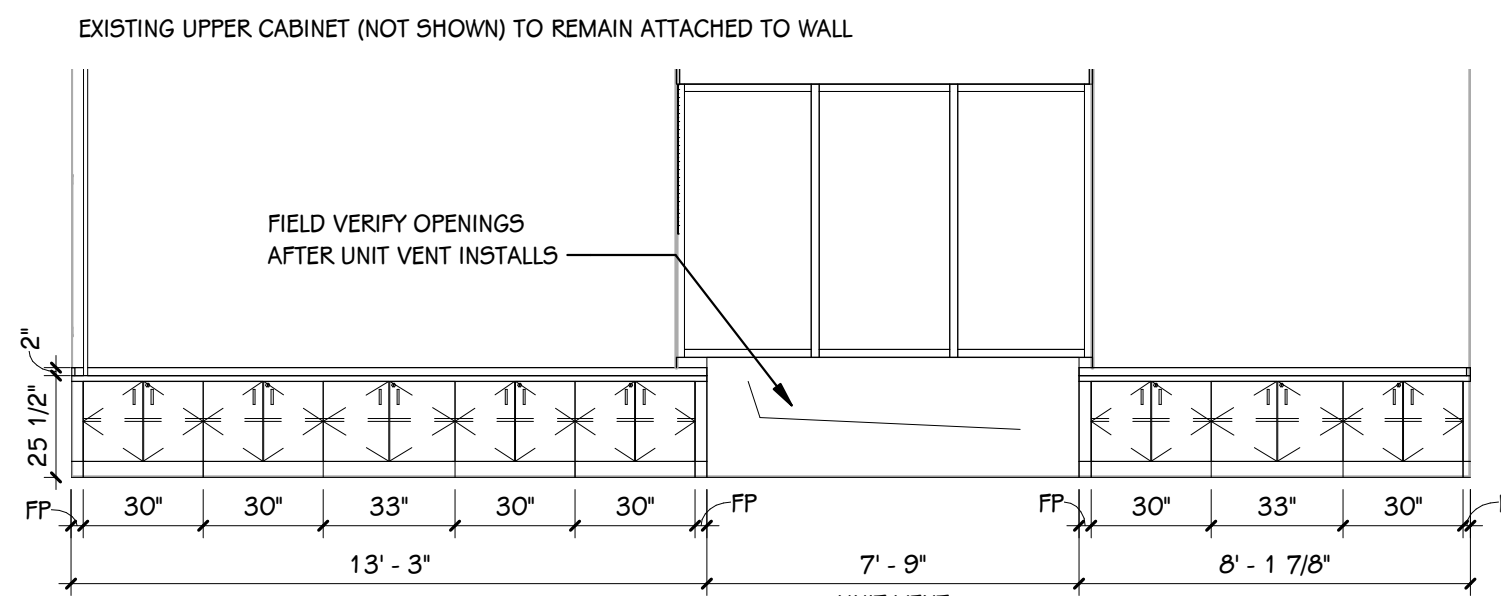
19 CLASSROOM 402 - NORTH
A 633.2 1/4" = 1'-0"



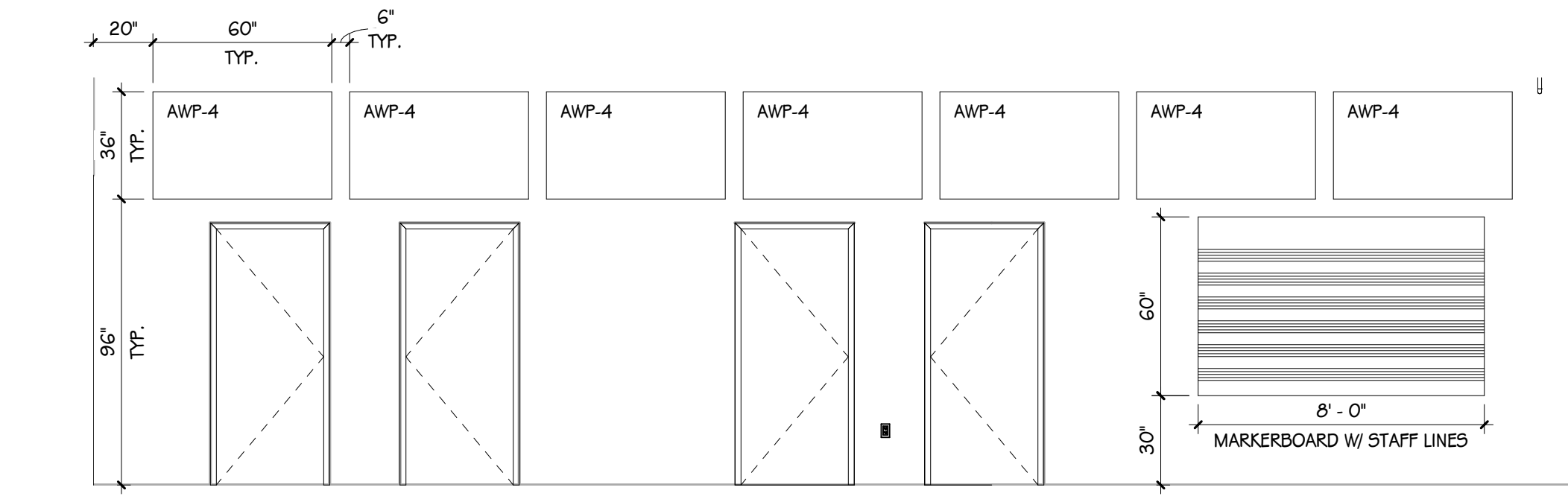
20 CLASSROOM 403 - SOUTH
A 633.2 1/4" = 1'-0"



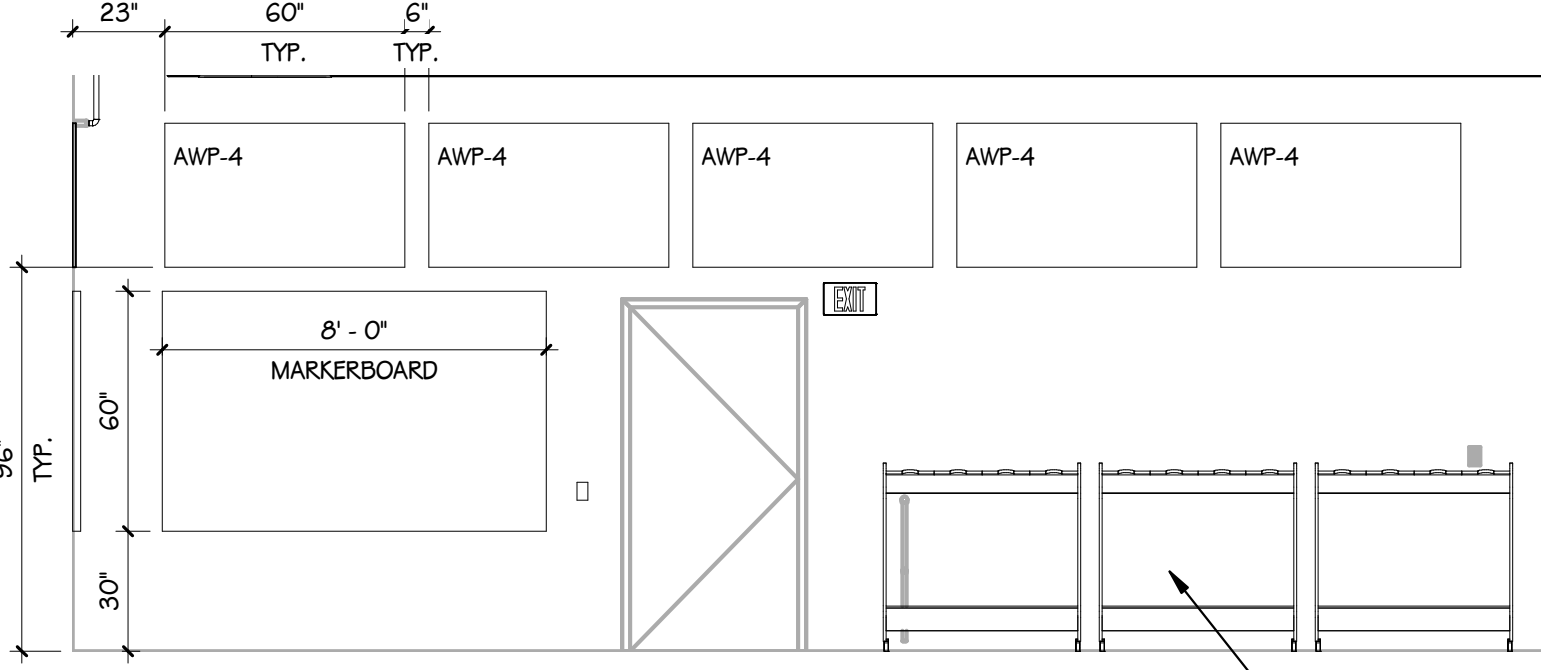
21 CLASSROOM SUPPORT 405 - SOUTH
A 633.2 1/4" = 1'-0"



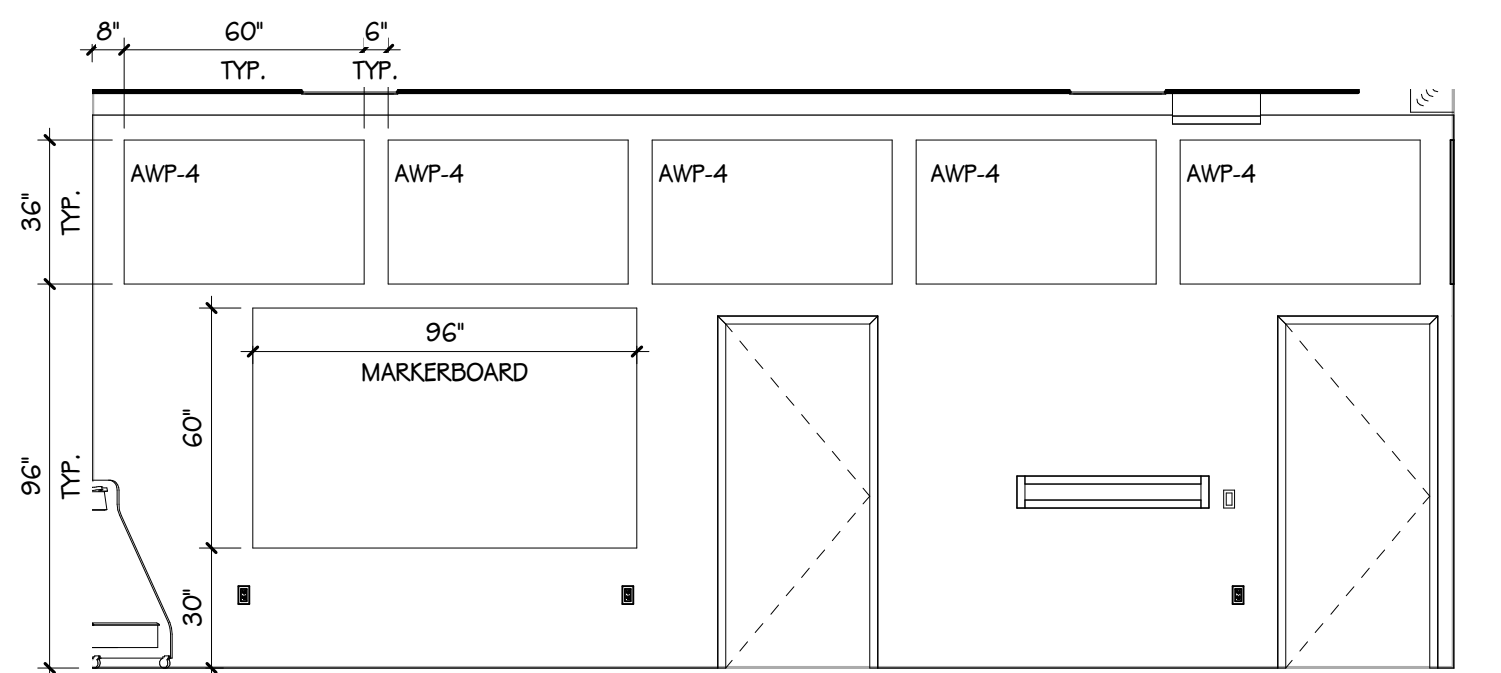
22 CLASSROOM 407 - SOUTH
A 633.2 1/4" = 1'-0"



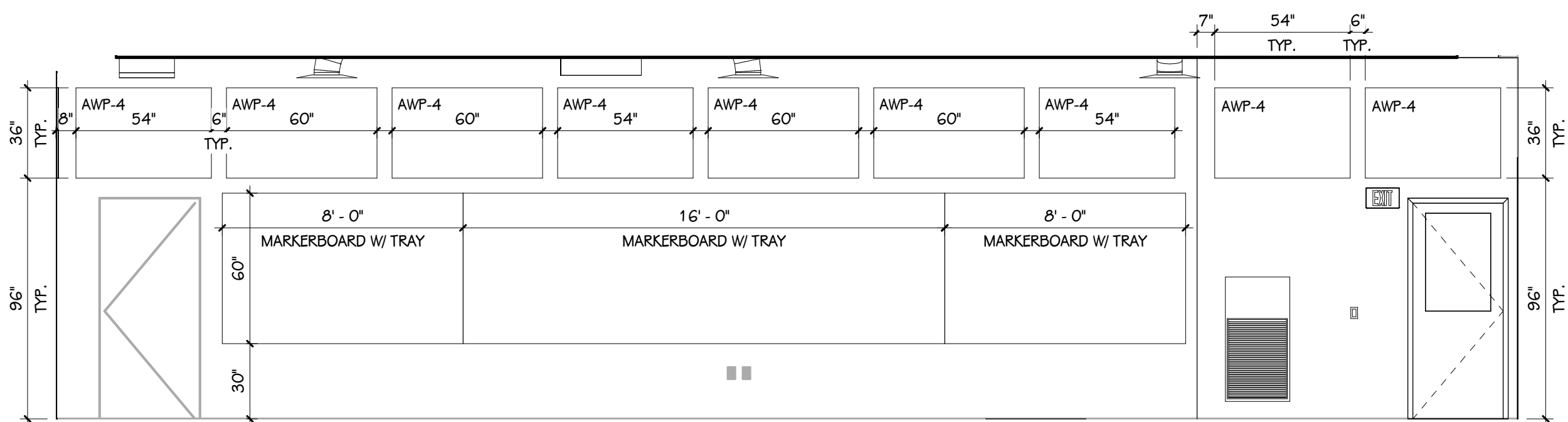
23 ORCHESTRA 302 - NORTH
A 633.2 1/4" = 1'-0"



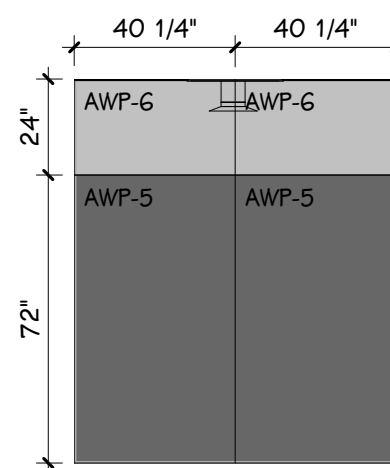
24 ORCHESTRA 302 - EAST
A 633.2 1/4" = 1'-0"



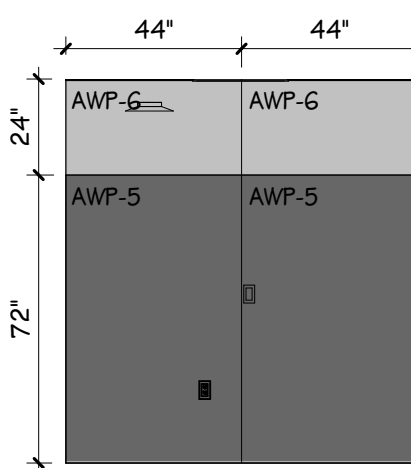
25 ORCHESTRA 302 - SOUTH
A 633.2 1/4" = 1'-0"



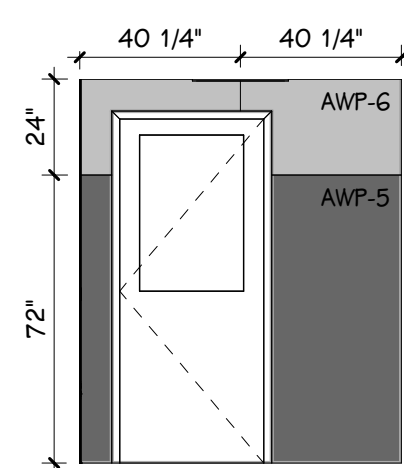
26 ORCHESTRA 302 - WEST
A 633.2 1/4" = 1'-0"



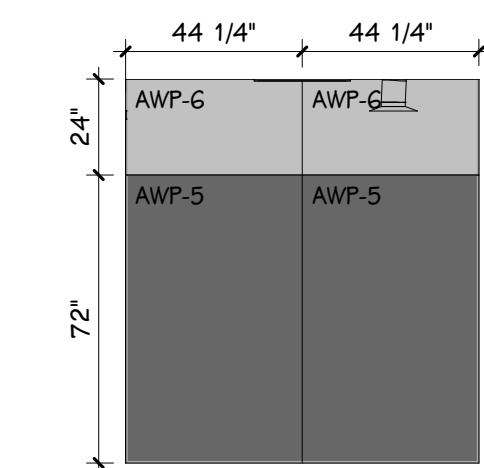
27 PRAC 302.1 - NORTH
A 633.2 1/4" = 1'-0"



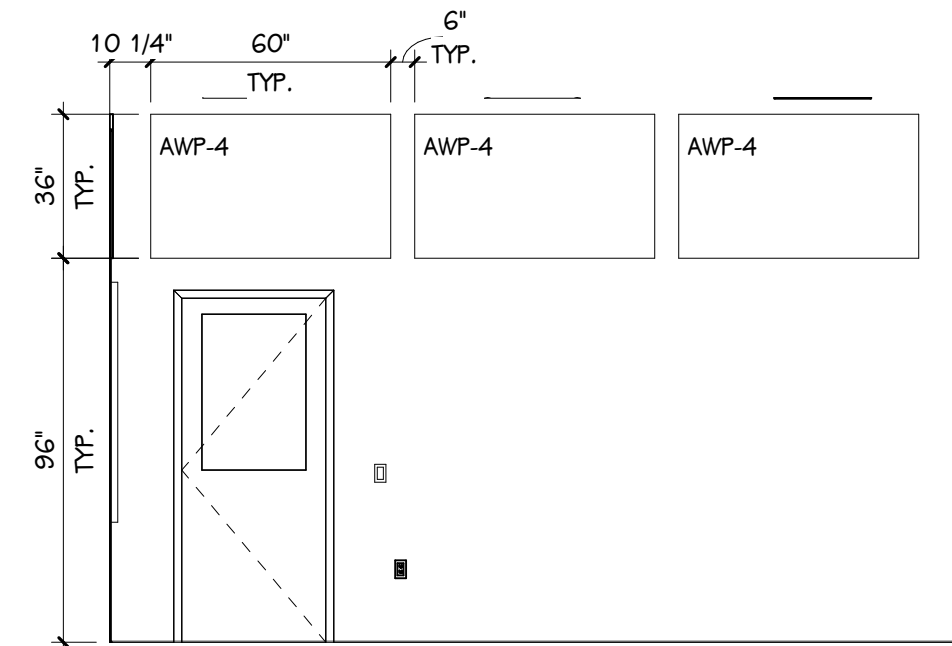
28 PRAC 302.1 - EAST
A 633.2 1/4" = 1'-0"



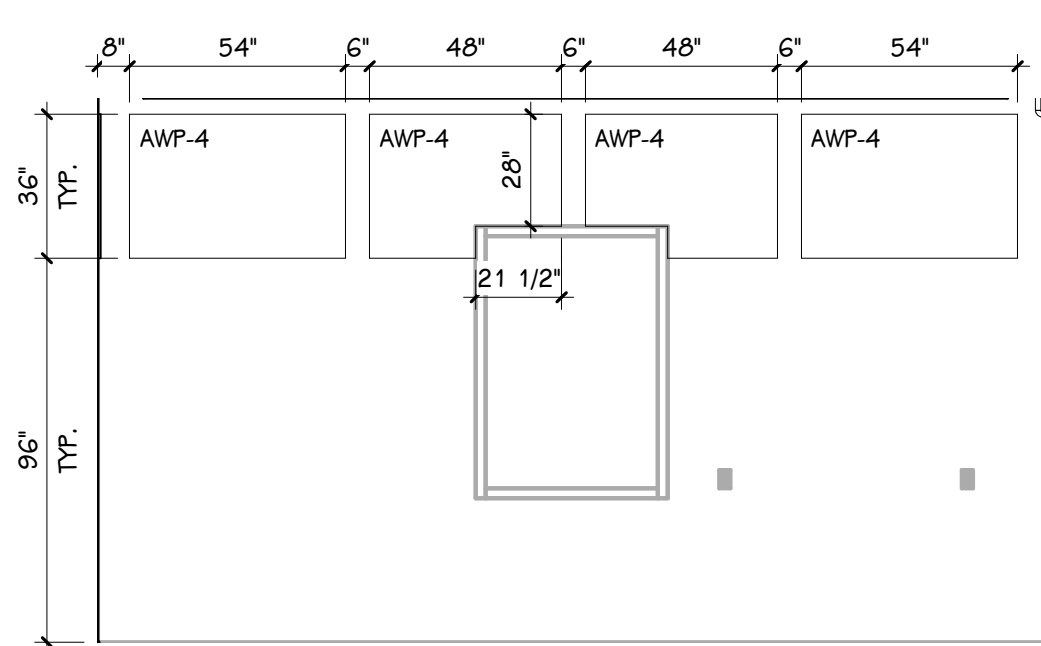
29 PRAC 302.1 - SOUTH
A 633.2 1/4" = 1'-0"



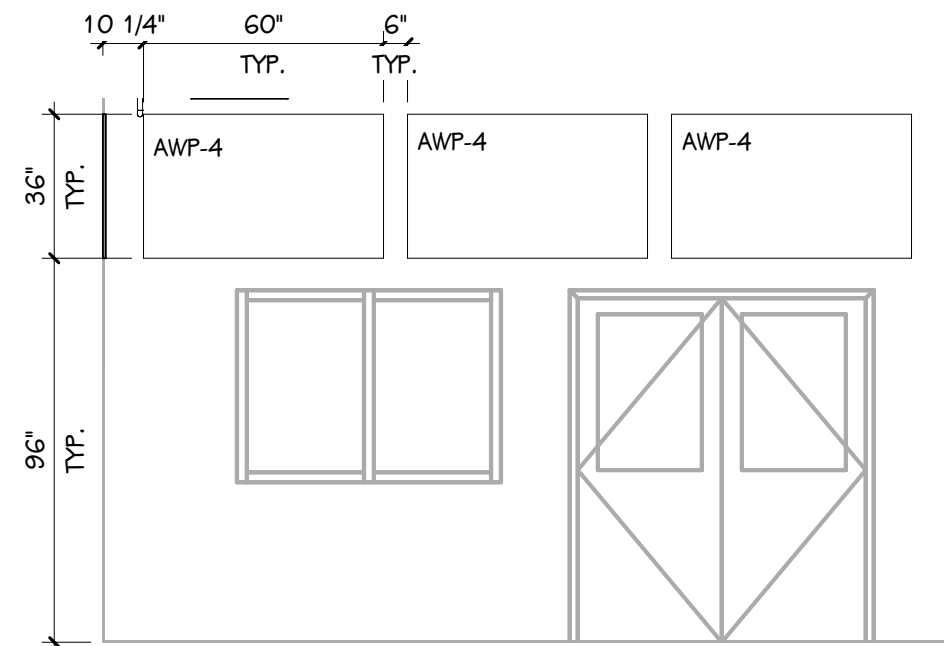
30 PRAC 302.1 - WEST
A 633.2 1/4" = 1'-0"



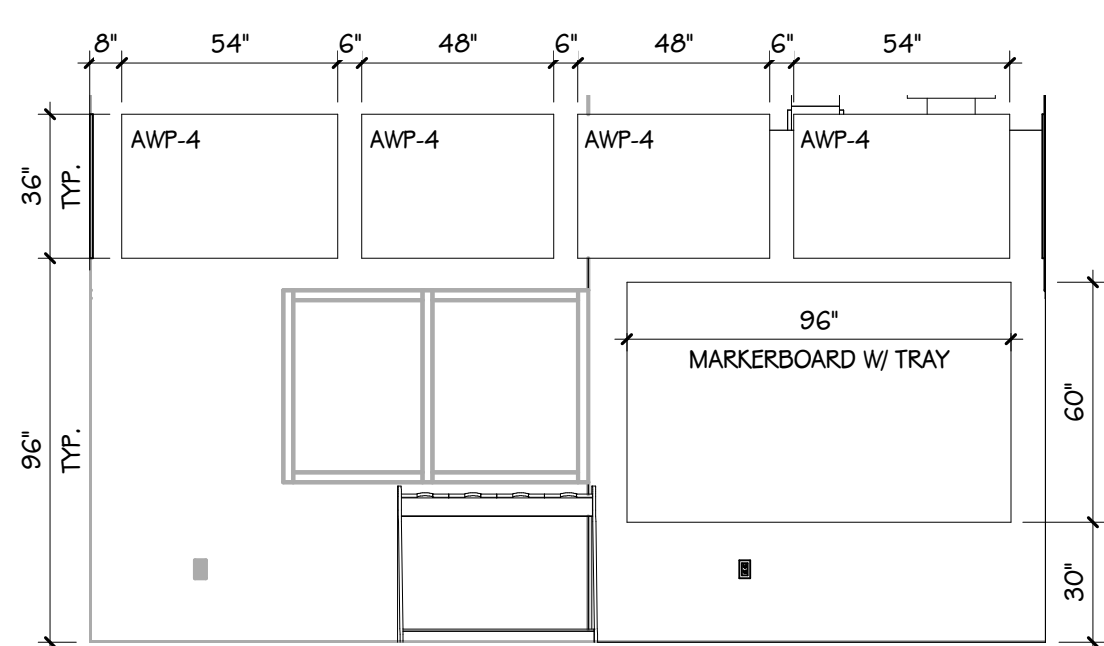
31 ENSEMBLE 302B - NORTH
A 633.2 1/4" = 1'-0"



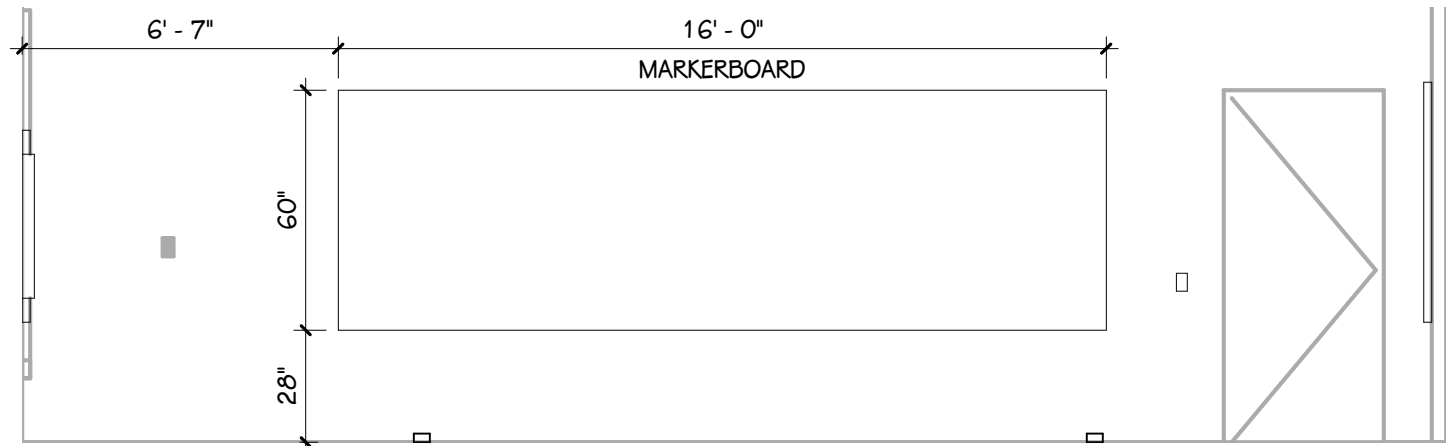
32 ENSEMBLE 302B - EAST
A 633.2 1/4" = 1'-0"



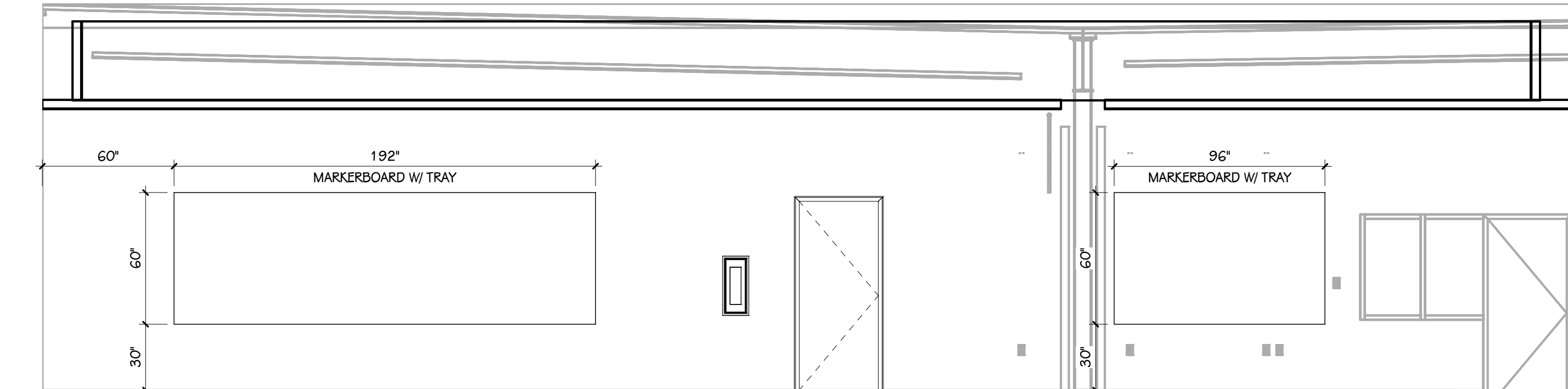
33 ENSEMBLE 302B - SOUTH
A 633.2 1/4" = 1'-0"



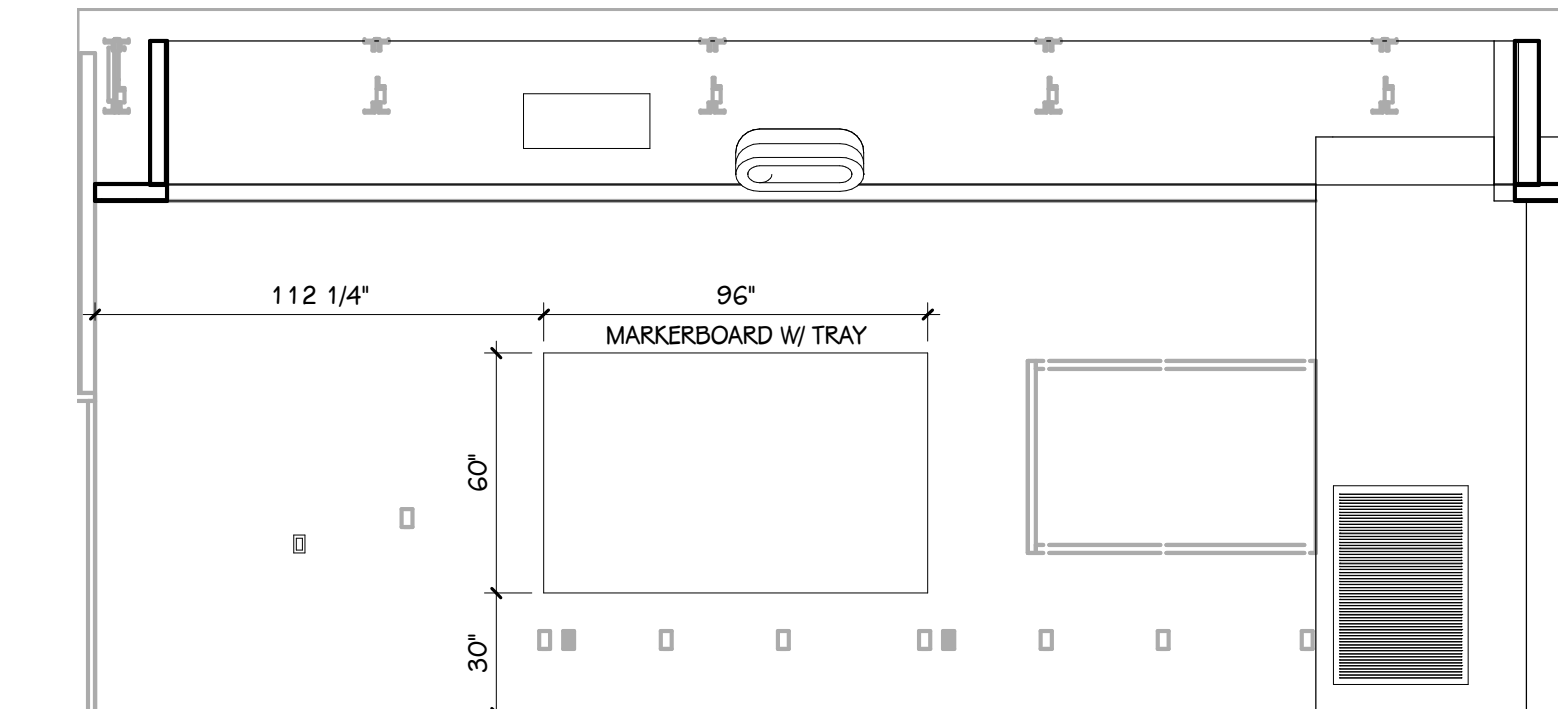
34 ENSEMBLE 302B - WEST
A 633.2 1/4" = 1'-0"



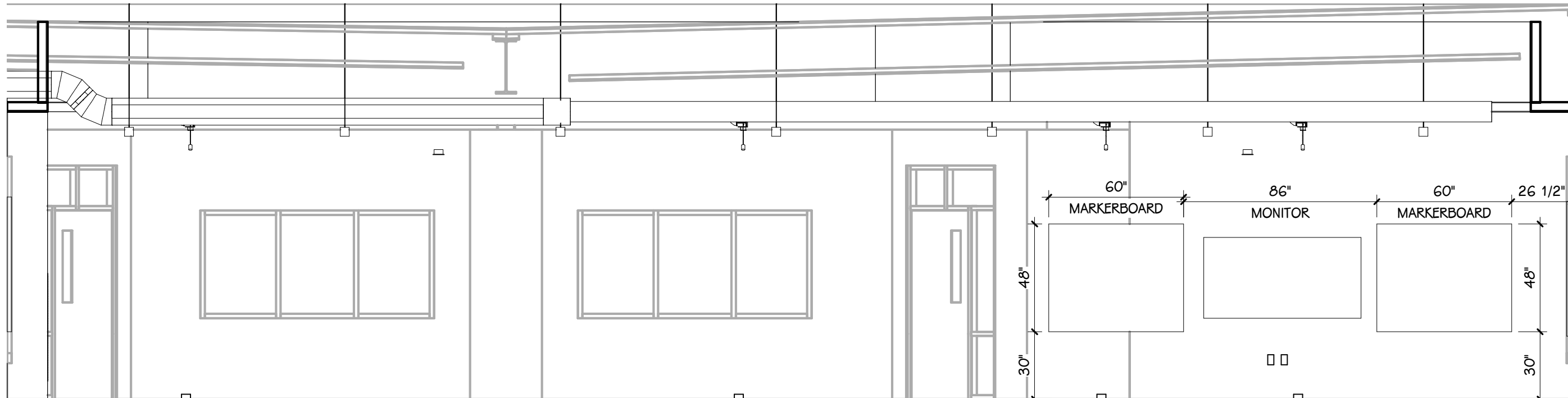
35 ROBOTICS 308 - NORTH
A 633.2 1/4" = 1'-0"



1 A 634.2 - ROBOTICS 308 - EAST
A 633.2 1/4" = 1'-0"



2 ROBOTICS 308 - SOUTH
A 633.2 1/4" = 1'-0"



36 ROBOTICS 308 - WEST
A 633.2 1/4" = 1'-0"

GENERAL CASEWORK/MILLWORK NOTES

1. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.
2. FILLER PANELS SHALL BE NO LESS THAN 2" WIDE, UNLESS NOTED OTHERWISE.
3. REFER TO FLOOR FINISH PLANS FOR CASEWORK AND COUNTERTOP FINISHES BY ROOM.
4. FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.
5. ALL VERTICAL AND HORIZONTAL EXPOSED AND SEMI-EXPOSED SURFACES TO BE FINISHED WITH BODY PLASTIC LAMINATE.
6. SUPPORT BRACKETS ARE REQUIRED EVERY 36" O.C. AT AREAS WHERE COUNTERTOP IS OPEN UNDERNATH. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING BRACKETS APPROPRIATELY SIZED BASED ON DEPTH OF COUNTER.
7. PATTERN OR GRAIN DIRECTION TO BE VERTICAL ON DOORS AND HORIZONTAL ON DRAWERS - PER AIA STANDARDS, UNLESS NOTED OTHERWISE.
8. LOCKS: ALL UNITS TO BE KEYPED ALIKE PER ROOM. ALL ROOMS KEYPED DIFFERENTLY.
9. GROMMET LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH THE OWNER PRIOR TO INSTALLATION - COORDINATE WITH POWER & DATA LOCATIONS FOR ANY ADDITIONAL WIRE MANAGEMENT REQUIREMENTS
10. 'SLABSMITHING' WILL BE REQUIRED IN INSTANCES WHERE A PATTERNED QUARTZ, NATURAL STONE, OR SOLID SURFACE IS SPECIFIED.

STANDARD ABBREVIATIONS FOR CASEWORK/MILLWORK

ADJ — ADJUSTABLE	BF — BARRIER FREE
FP — FILLER PANEL	LFE — LEFT FINISHED END
RP — REMOVABLE PANEL	RFE — RIGHT FINISHED END

CASEWORK HARDWARE AND ACCESSORY SELECTIONS

PULL SELECTION: WIRE PULLS, SATIN NICKEL

COUNTERTOP EDGE: 3MM PVC EDGE, STANDARD SQUARE

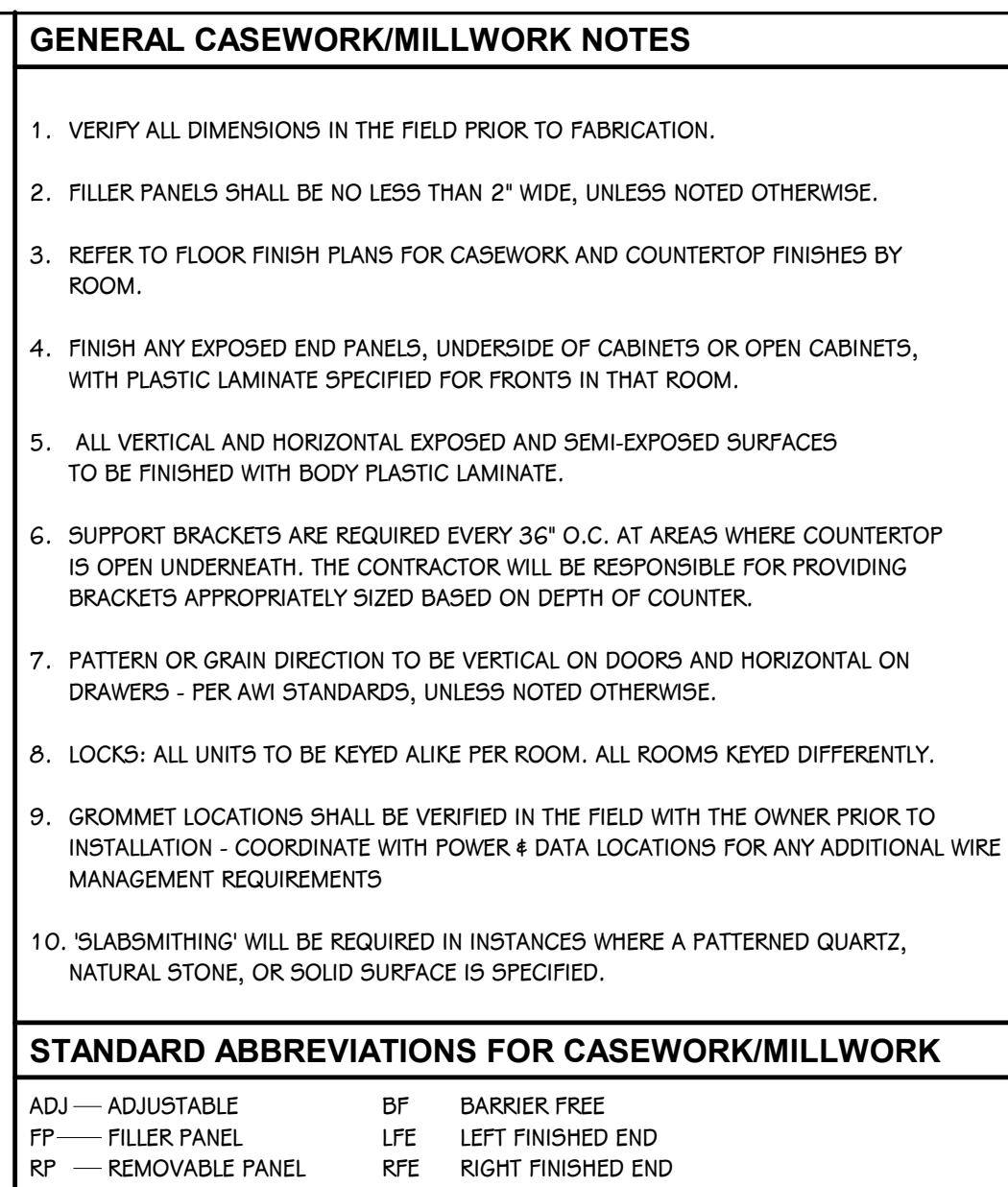
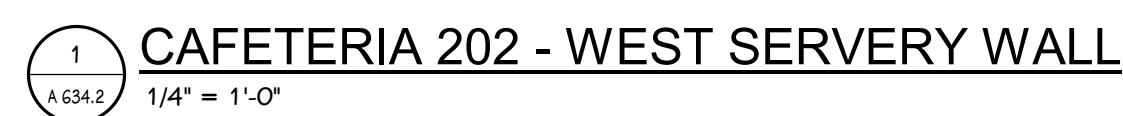
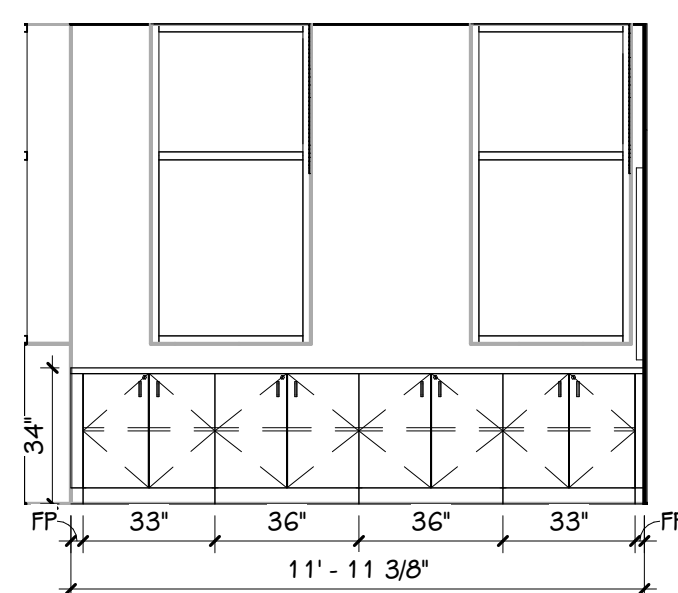
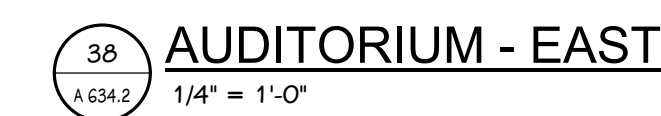
FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.

CABINET INTERIOR: STANDARD WHITE.

GROMMETS TYPE 4 FINISH, WHERE INDICATED.

FINISH PLAN KEY: TILE

PT-1, 1/3 OFFSET.	CT-1, STACKED VERTICAL	CT-7, STACKED
PT-2, 1/3 OFFSET.	CT-1, STACKED HORIZONTAL	
PT-3, STAGGERED.	CT-2, STACKED VERTICAL	
PT-5, STACKED VERTICAL	CT-3, STACKED	



PROJECT TITLE
PACKAGE 2 - HIGH SCHOOL
RENOVATION & ADDITIONS

OWNER
CADILLAC AREA PUBLIC SCHOOLS

SHEET TITLE
INTERIOR ELEVATIONS - UNIT G/J

SHEET NUMBER
A 634.2
17-175.70

DATE
DECEMBER 9, 2021

Cadillac, Michigan

DATE

ADDENDUM 3	DECEMBER 14, 2021
ADDENDUM 1	NOVEMBER 29, 2021
ISSUED FOR	DATE

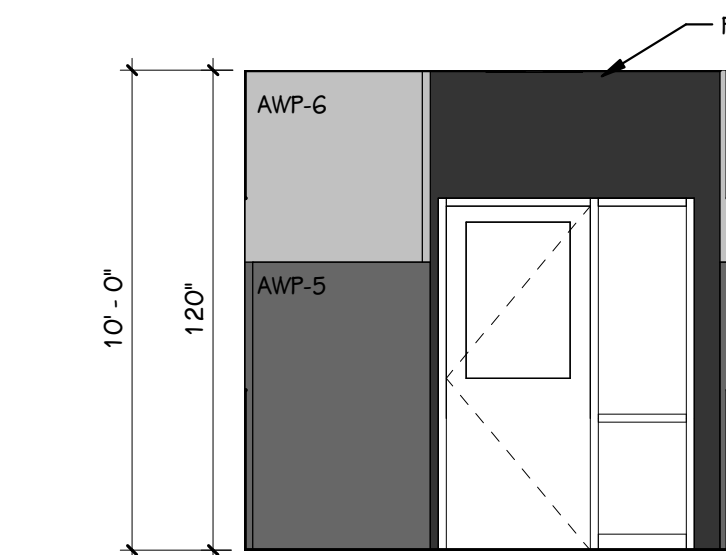
TowerPinkster
Architecture • Engineering • Interiors

4 East Fulton Street, Suite 200
Ann Arbor, Michigan 48106
616.465.6944 • info@towerpinkster.com
914.455.5936 fax

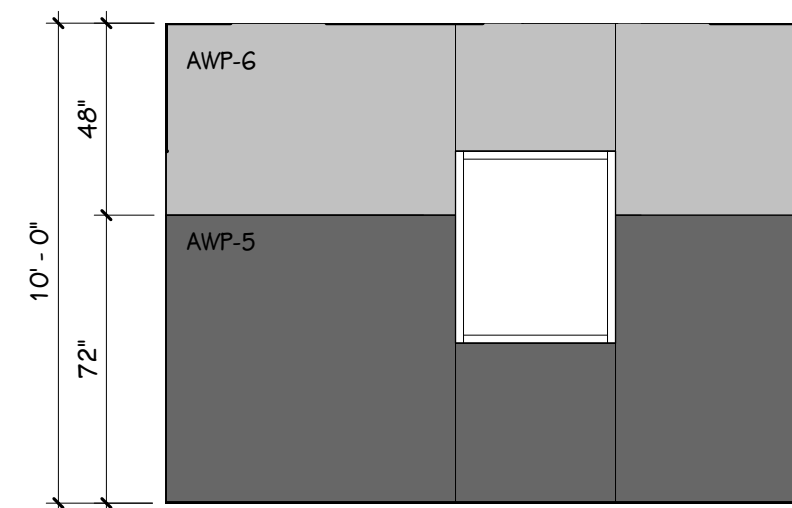
242 East Kalamazoo Avenue, Suite 100
Ann Arbor, Michigan 48106
209.343.1113 • info@towerpinkster.com
209.343.1113 fax

www.towerpinkster.com

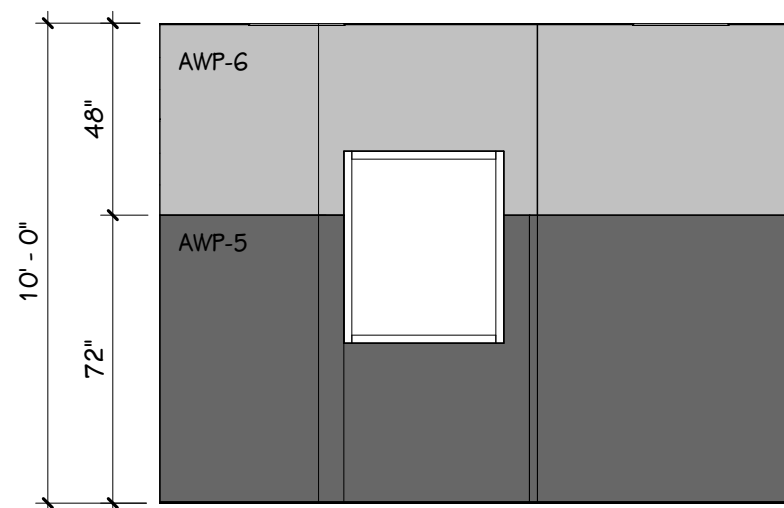
© 2020 ALL RIGHTS RESERVED



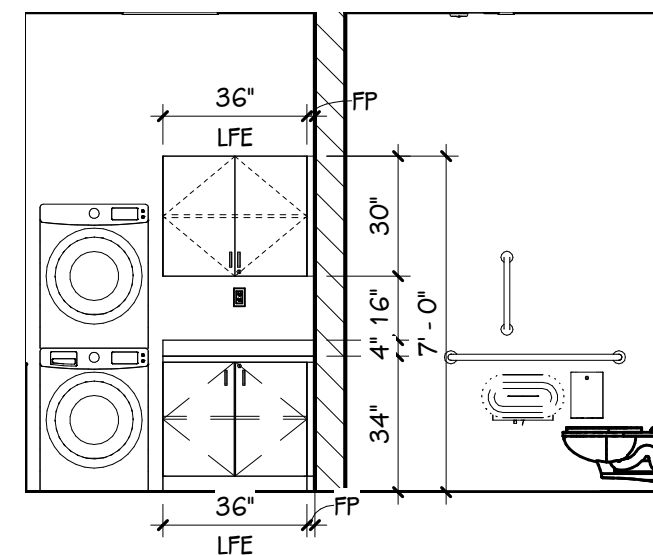
64
A 636.2
TIME OUT ROOM K104C - NORTH
1/4" = 1'-0"



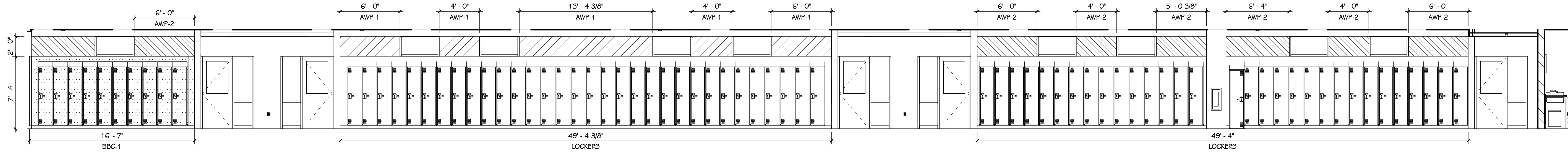
65
A 636.2
TIME OUT ROOM K104C - EAST
1/4" = 1'-0"



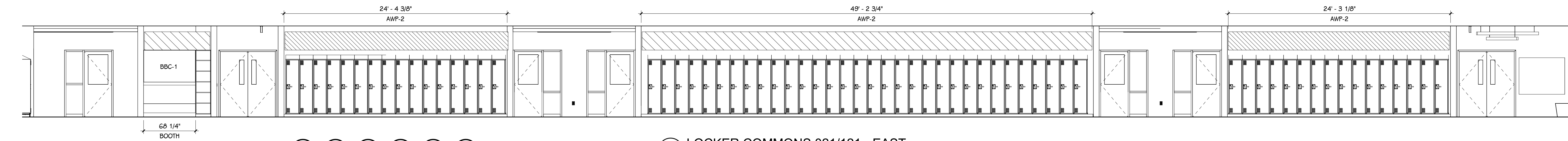
66
A 636.2
TIME OUT ROOM - K104C - WEST
1/4" = 1'-0"



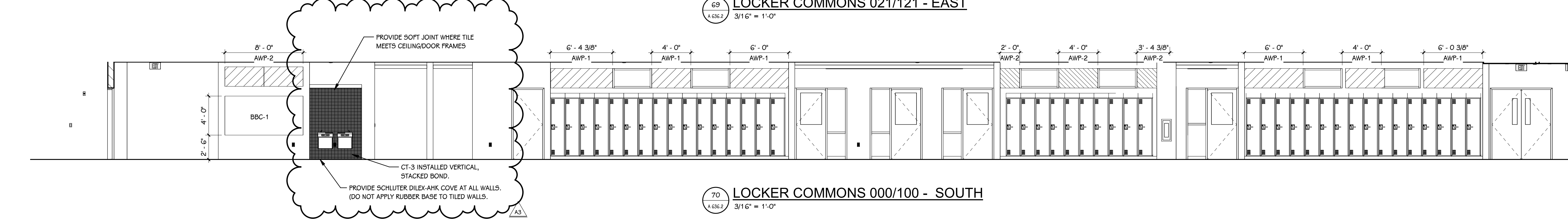
67
A 636.2
TLT K106R - WEST
1/4" = 1'-0"



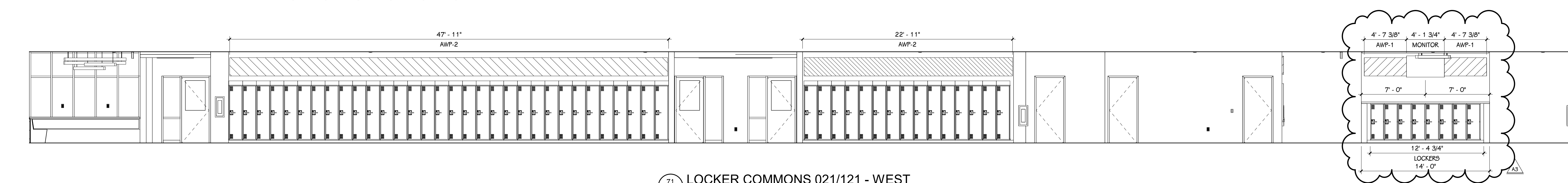
68
A 636.2
LOCKER COMMONS 000/100 - NORTH
3/16" = 1'-0"



69
A 636.2
LOCKER COMMONS 021/121 - EAST
3/16" = 1'-0"



70
A 636.2
LOCKER COMMONS 000/100 - SOUTH
3/16" = 1'-0"



71
A 636.2
LOCKER COMMONS 021/121 - WEST
3/16" = 1'-0"

- GENERAL CASEWORK/MILLWORK NOTES**
1. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION.
 2. FILLER PANELS SHALL BE NO LESS THAN 2' WIDE, UNLESS NOTED OTHERWISE.
 3. REFER TO FLOOR FINISH PLANS FOR CASEWORK AND COUNTERTOP FINISHES BY ROOM.
 4. FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.
 5. ALL VERTICAL AND HORIZONTAL EXPOSED AND SEMI-EXPOSED SURFACES TO BE FINISHED WITH BODY PLASTIC LAMINATE.
 6. SUPPORT BRACKETS ARE REQUIRED EVERY 36" O.C. AT AREAS WHERE COUNTERTOP IS OPEN UNDERNATH. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING BRACKETS APPROPRIATELY SIZED BASED ON DEPTH OF COUNTER.
 7. PATTERN OR GRAIN DIRECTION TO BE VERTICAL ON DOORS AND HORIZONTAL ON DRAWERS - PER AWP STANDARDS, UNLESS NOTED OTHERWISE.
 8. LOCKS: ALL UNITS TO BE KEYED ALIKE PER ROOM. ALL ROOMS KEYED DIFFERENTLY.
 9. GROMMET LOCATIONS SHALL BE VERIFIED IN THE FIELD WITH THE OWNER PRIOR TO INSTALLATION - COORDINATE WITH POWER & DATA LOCATIONS FOR ANY ADDITIONAL WIRE MANAGEMENT REQUIREMENTS
 10. 'SLABSMITHING' WILL BE REQUIRED IN INSTANCES WHERE A PATTERNED QUARTZ, NATURAL STONE, OR SOLID SURFACE IS SPECIFIED.

STANDARD ABBREVIATIONS FOR CASEWORK/MILLWORK

ADJ — ADJUSTABLE	BF — BARRIER FREE
FP — FILLER PANEL	LFE — LEFT FINISHED END
RP — REMOVABLE PANEL	RFE — RIGHT FINISHED END

CASEWORK HARDWARE AND ACCESSORY SELECTIONS

PULL SELECTION: WIRE PULLS, SATIN NICKEL

COUNTERTOP EDGE: 3MM PVC EDGE, STANDARD SQUARE

FINISH ANY EXPOSED END PANELS, UNDERSIDE OF CABINETS OR OPEN CABINETS, WITH PLASTIC LAMINATE SPECIFIED FOR FRONTS IN THAT ROOM.

CABINET INTERIOR: STANDARD WHITE.

GROMMETS TYPE 4 FINISH, WHERE INDICATED.

FINISH PLAN KEY: TILE

PT-1, 1/3 OFFSET.	CT-1, STACKED VERTICAL	CT-7, STACKED
PT-2, 1/3 OFFSET.	CT-1, STACKED HORIZONTAL	
PT-3, STAGGERED.	CT-2, STACKED VERTICAL	
PT-5, STACKED VERTICAL	CT-3, STACKED	

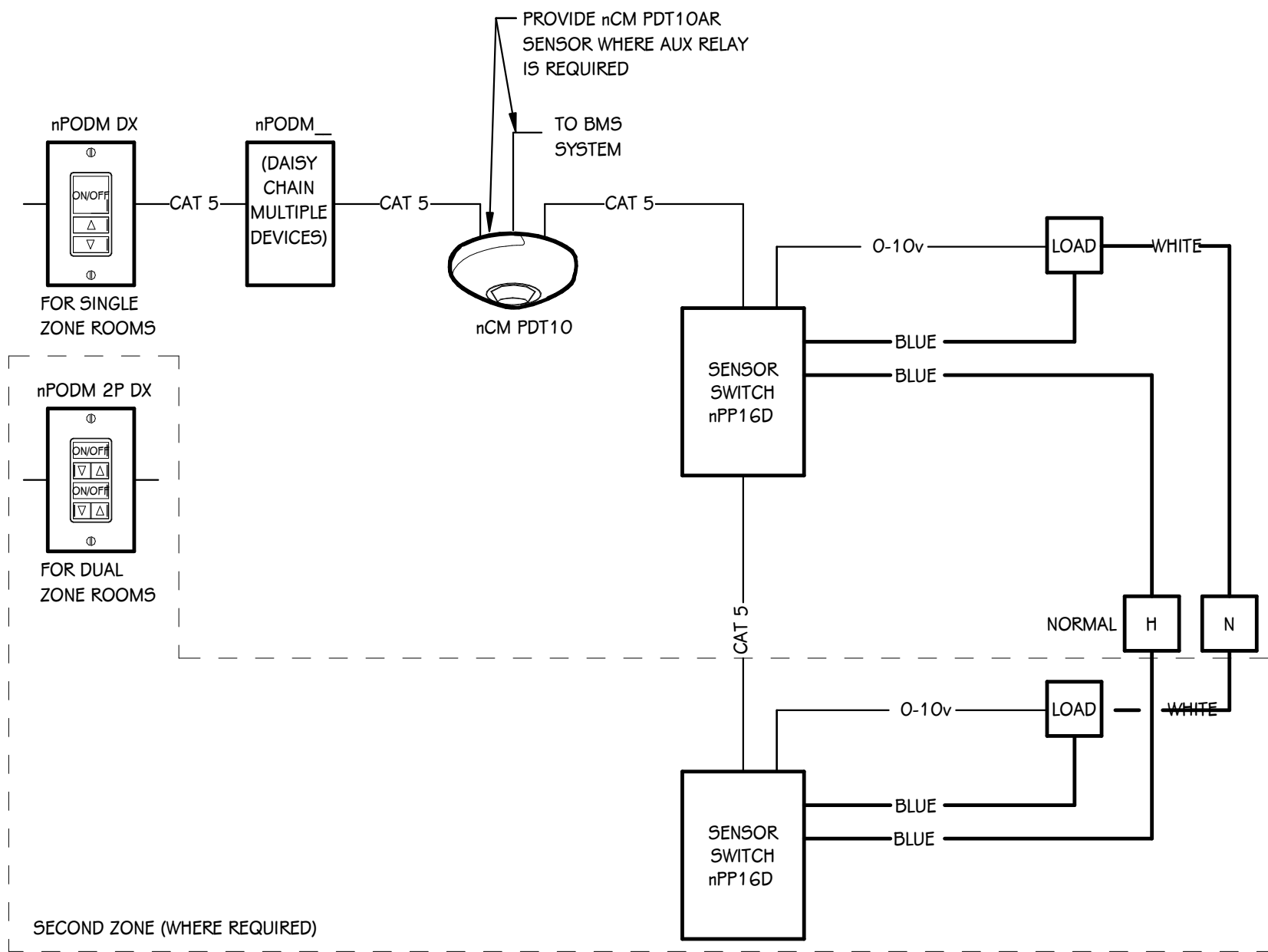


UNIT H

TRUE NORTH

KEY PLAN

SCALE: NO SCALE



OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE

LIGHT FIXTURE SCHEDULE					
TYPE	DESCRIPTION	MOUNTING	WATTS	MANUFACTURER	NOTES
D4	4" DOWNLIGHT	RECESSED	13 VA	INTENSE: #S54G4DR-L2-408, #IC430-C-SF	1, 2
D4E	4" DOWNLIGHT - BATTERY	RECESSED	13 VA	INTENSE: #S54G4DR-L2-408-EM7T, #IC430-C-SF-EMTT	1, 2, 4
D6	6" LED DOWNLIGHT	RECESSED	17 VA	INTENSE: #S9G64DR-L3-408, #IC632-C-SF-CR	1, 2
D6E	6" LED DOWNLIGHT - BATTERY	RECESSED	17 VA	INTENSE: #S9G64DR-L3-408-EM7, #IC632-C-SF-CR	1, 2, 4
ESW	ELEVATOR - SURFACE WRAP, 4' - 3 5/8" FEET	SURFACE	43 VA	NULITE: #INT-4-CFR-50L40-B12-U-D	1, 2, 4
LPB6	LINEAR PENDANT - BI-DIRECTIONAL, 6' - 0" FEET	CABLE GRID	39 VA	NULITE: #RP24-B-03-03-L40-U-D-11-FRF-xx-T1-W-048-6'	1, 2, 3
LPB8	LINEAR PENDANT - BI-DIRECTIONAL, 8' - 0" FEET	CABLE GRID	52 VA	NULITE: #RP24-B-03-03-L40-U-D-11-FRF-xx-T1-W-048-8'	1, 2, 3
LPD4	LINEAR PENDANT - DIRECT, 4' - 0" FEET	CABLE STRUCTURE	19 VA	NULITE: #RP44-D-05-150-U-D-11-FRF-BK-SR-B-120-4'	1, 2, 3
LPD4E	LINEAR PENDANT - DIRECT - BATTERY, 4' - 0" FEET	CABLE STRUCTURE	19 VA	NULITE: #RP44-D-05-150-U-D-11/B12-FRF-BK-SR-B-120-4'	1, 2, 3
LPD8	LINEAR PENDANT - DIRECT, 8' - 0" FEET	CABLE GRID	51 VA	NULITE: #RP24-D-06-L40-U-D-11-FRF-WH-SR-W-048-8'	1, 2, 3
LPD8E	LINEAR PENDANT - DIRECT - BATTERY, 8' - 0" FEET	CABLE GRID	51 VA	NULITE: #RP24-D-06-L40-U-D-11/B12-FRF-WH-SR-W-048-8'	1, 2, 3, 4
LPD10	LINEAR PENDANT - DIRECT, 10' - 0" FEET	CABLE GRID	64 VA	NULITE: #RP24-D-06-L40-U-D-11-FRF-WH-SR-W-048-10'	1, 2, 3
LPD10E	LINEAR PENDANT - DIRECT - BATTERY, 10' - 0" FEET	CABLE GRID	64 VA	NULITE: #RP24-D-06-L40-U-D-11/B12-FRF-WH-SR-W-048-10'	1, 2, 3, 4
LRD4	LINEAR RECESSED - DRYWALL, 4' - 0" FEET	RECESSED	19 VA	NULITE: #RM2-05L40-UNV-D-11-FRF-WH-4'	1, 2, 3
LRD4E	LINEAR RECESSED - DRYWALL - BATTERY, 4' - 0" FEET	RECESSED	19 VA	NULITE: #RM2-05L40-UNV-D-11/B12-FRF-WH-4'	1, 2, 3
LRD6	LINEAR RECESSED - DRYWALL, 6' - 0" FEET	RECESSED	29 VA	NULITE: #RM2-05L40-UNV-D-11-FRF-WH-6'	1, 2, 3
LRD6E	LINEAR RECESSED - DRYWALL - BATTERY, 6' - 0" FEET	RECESSED	29 VA	NULITE: #RM2-05L40-UNV-D-11B-FRF-WH-6'	1, 2, 3, 4
LRD8	LINEAR RECESSED - DRYWALL, 8' - 0" FEET	RECESSED	39 VA	NULITE: #RM2-05L40-UNV-D-11-FRF-WH-8'	1, 2, 3
LRD8E	LINEAR RECESSED - DRYWALL - BATTERY, 8' - 0" FEET	RECESSED	39 VA	NULITE: #RM2-05L40-UNV-D-11B-FRF-WH-8'	1, 2, 3, 4
LRD10	LINEAR RECESSED - DRYWALL, 10' - 0" FEET	RECESSED	49 VA	NULITE: #RM2-05L40-UNV-D-11B-FRF-WH-10'	1, 2, 3
LRD10E	LINEAR RECESSED - DRYWALL - BATTERY, 10' - 0" FEET	RECESSED	49 VA	NULITE: #RM2-05L40-UNV-D-11B-FRF-WH-10'	1, 2, 3, 4
LRD12	LINEAR RECESSED - DRYWALL, 12' - 0" FEET	RECESSED	58 VA	NULITE: #RM2-05L40-UNV-D-11-FRF-WH-12'	1, 2, 3
LRD12E	LINEAR RECESSED - DRYWALL - BATTERY, 12' - 0" FEET	RECESSED	58 VA	NULITE: #RM2-05L40-UNV-D-11B-FRF-WH-12'	1, 2, 3, 4
LRD14	LINEAR RECESSED - DRYWALL, 14' - 0" FEET	RECESSED	68 VA	NULITE: #RM2-05L40-UNV-D-11-FRF-WH-14'	1, 2, 3
LRD15	LINEAR RECESSED - DRYWALL, 15' - 0" FEET	RECESSED	73 VA	NULITE: #RM2-05L40-UNV-D-11-FRF-WH-15'	1, 2, 3
LRD20	LINEAR RECESSED - DRYWALL, 20' - 0" FEET	RECESSED	97 VA	NULITE: #RM2-05L40-UNV-D-11-FRF-WH-20'	1, 2, 3
LRD20E	LINEAR RECESSED - DRYWALL - BATTERY, 20' - 0" FEET	RECESSED	97 VA	NULITE: #RM2-05L40-UNV-D-11B-FRF-WH-20'	1, 2, 3, 4
LRG4	LINEAR RECESSED - GRID, 4' - 0" FEET	RECESSED	19 VA	NULITE: #RG2-05L40-UNV-D-11-FRF-WH-4'	1, 2, 3
LRG4E	LINEAR RECESSED - GRID - BATTERY, 4' - 0" FEET	RECESSED	19 VA	NULITE: #RG2-05L40-UNV-D-11/B12-FRF-WH-4'	1, 2, 3, 4
LRG6	LINEAR RECESSED - GRID, 6' - 0" FEET	RECESSED	29 VA	NULITE: #RG2-05L40-U-D-11-STR-WH-6'	1, 2, 3
LRG6E	LINEAR RECESSED - GRID - BATTERY, 6' - 0" FEET	RECESSED	29 VA	NULITE: #RG2-05L40-UNV-D-11/B12-FRF-WH-6'	1, 2, 3, 4
LRG8	LINEAR RECESSED - GRID, 8' - 0" FEET	RECESSED	39 VA	NULITE: #RG2-05L40-UNV-D-11-FRF-WH-8'	1, 2, 3
LRG8E	LINEAR RECESSED - GRID - BATTERY, 8' - 0" FEET	RECESSED	39 VA	NULITE: #RG2-05L40-UNV-D-11B-FRF-WH-8'	1, 2, 3, 4
LRG10	LINEAR RECESSED - GRID, 10' - 0" FEET	RECESSED	49 VA	NULITE: #RG2-05L40-U-D-11-STR-WH-10'	1, 2, 3
LRG10E	LINEAR RECESSED - GRID - BATTERY, 10' - 0" FEET	RECESSED	49 VA	NULITE: #RG2-05L40-U-D-11/B12-STR-WH-10'	1, 2, 3, 4
LRG12	LINEAR RECESSED - GRID, 12' - 0" FEET	RECESSED	58 VA	NULITE: #RG2-05L40-UNV-D-11-FRF-WH-12'	1, 2, 3
LRG12E	LINEAR RECESSED - GRID - BATTERY, 12' - 0" FEET	RECESSED	58 VA	NULITE: #RG2-05L40-UNV-D-11/B12-FRF-WH-12'	1, 2, 3, 4
LRG14	LINEAR RECESSED - GRID, 14' - 0" FEET	RECESSED	68 VA	NULITE: #RG2-05L40-UNV-D-11-FRF-WH-14'	1, 2
LRG18E	LINEAR RECESSED - GRID - BATTERY, 18' - 0" FEET	RECESSED	87 VA	NULITE: #RG2-05L40-UNV-D-11/B12-FRF-WH-18'	1, 2, 3, 4
LS10	LINEAR SURFACE, 10' - 0" FEET	SURFACE	64 VA	NULITE: #RR2-06-L40-UNV-D-11-FRF-WH-10'	1, 2, 3
LS10E	LINEAR SURFACE - BATTERY, 10' - 0" FEET	SURFACE	64 VA	NULITE: #RR2-06-L40-UNV-D-11B-FRF-WH-10'	1, 2, 3, 4
PC6	6" PENDANT CYLINDER	PENDANT	17 VA	INTENSE: #S9G64C-L3-408-W-C-P36	1, 2
PC6E	6" PENDANT CYLINDER - BATTERY	PENDANT	17 VA	INTENSE: #S9G64C-L3-408-W-C-P36, #RM55G4C-L3-EM7	1, 2, 4
9S4	4' SUSPENDED STRIP LIGHT	CHAIN	34 VA	COLUMBIA: #MP54-40LW-CW-ED1U-C9CH	1, 2
9S4E	4' SUSPENDED STRIP LIGHT - BATTERY	CHAIN	34 VA	COLUMBIA: #MP54-40LW-CW-ED1U-ELL14-C9CH	1, 2, 4
9W4	SURFACE WRAP, 4' - 0" FEET	RECESSED	45 VA	ORACLE: #4-OV2R-LED-4000L-DIM10-MVOLT-40K-B5	1, 2
9W4E	SURFACE WRAP - BATTERY, 4' - 0" FEET	RECESSED	45 VA	ORACLE: #4-OV2R-LED-4000L-DIM10-MVOLT-40K-B5-O-EMG-LED-20W	1, 2, 4
T2DE	2x2 TROFFER - DRYWALL CEILING - BATTERY, 2' - 0" FEET	RECESSED	39 VA	COLUMBIA: #LCAT22-40VLG-ED1U-ELL14, #FK22-G	1, 2, 4
T2G	2x2 TROFFER - GRID CEILING, 2' - 0" FEET	RECESSED	39 VA	COLUMBIA: #LCAT22-40VLG-ED1U	1, 2
T2GE	2x2 TROFFER - GRID CEILING - BATTERY, 2' - 0" FEET	RECESSED	39 VA	COLUMBIA: #LCAT22-40VLG-ED1U-ELL14	1, 2, 4
W	LED WALL PACK	SURFACE	51 VA	HUBBELL: #RWL1-48L45L4K7-4W-UNV-DBT-NXSWP14F-E	1, 2, 4
X1	SINGLE FACE EXIT SIGN	SURFACE	3 VA	MAXILUME: #ELX-604-R-AL-MIRROR	1, 2
X2	DUAL FACE EXIT SIGN	SURFACE	3 VA	MAXILUME: #ELX-604-R-AL-2-MIRROR	1, 2
X3	SINGLE FACE EXIT SIGN	SURFACE	3 VA	MAXILUME: #ELX-603-R-W	1, 2

- ALL LED FIXTURES TO HAVE WARRANTY TO MEET OR EXCEED WARRANTY INCLUDED IN BASIS OF DESIGN. FIXTURES LISTED AS EQUALS SHALL MEET DELIVERED LUMENS, CRI, EFFICACY AND OPTIONS OF THAT SPECIFIED. REFER TO SPECIFICATIONS 265100 AND 265600 FOR ADDITIONAL REQUIREMENTS.
- THE MOUNTING DESCRIPTION IS GENERAL. REFER TO SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC MOUNTING DETAILS.
- FIXTURE LENGTH PER DRAWINGS.
- FIXTURES WITH THE CENTER CIRCLE SHADED SHALL HAVE A SELF-CONTAINED EMERGENCY BATTERY PACK OPERATING TWO LAMPS AT A MINIMUM OF 1100 LUMENS FOR 90 MINUTES. FIXTURES WITH THE CENTER CIRCLE COMPLETELY SHADED SHALL BE ON 24 HOURS. ON HID FIXTURES PROVIDE TIME DELAY RELAY AND STAND-BY QUARTZ RESTRIKE LAMP. WIRE BATTERY AND BALLAST SO FIXTURE TURNS "ON" WHEN POWER FAILS.

PROJECT TITLE
PACKAGE 2 - HIGH SCHOOL
RENOVATION & ADDITIONS

OWNER
CADILLAC AREA PUBLIC SCHOOLS

Cadillac, Michigan

SHEET TITLE
LIGHTING SCHEDULE AND DETAILS

SHEET NUMBER
E 431.2
17-175.70

DATE
NOVEMBER 3, 2021

ADDENDUM 3
ISSUED FOR
DECEMBER 14, 2021
DATE

PANELBOARD " R1D1" LOAD SCHEDULE													
PANEL: R1D1				MOUNTING: SURFACE				VOLTAGE: 208/120V, 3PH, 4W					
LOCATION: ELECTRICAL 317 / FIRST FLOOR -...				AMPS: 225 A MLO				FED FROM: S1D					
ADDED ACCESSORIES: SPD				FEED-THRU LUGS...				I.C. RATING: 9168					
		TRIP (A)	POLES	A	B	C	POLES	TRIP (A)		TRIP (A)			
	CIRCUIT DESCRIPTION										CIRCUIT DESCRIPTION		
1	POWER - RTU-500 CONV. RECEPT.	20	1	180	696			1	20	20	HVAC - EF-502		2
3	POWER - UNIT D - 1ST FLR SMOKE DAMPERS	20	1		80	360		1	20	20	(EXIST.) RECEPTACLE 502		4
5	(EXIST.) RECEPTACLE 315	20	1			360	360	1	20	20	(EXIST.) RECEPTACLE 504		6
7	(EXIST.) RECEPTACLE 301	20	1	360	360			1	20	20	(EXIST.) RECEPTACLE 504		8
9	(EXIST.) RECEPTACLE 301	20	1		360	360		1	20	20	(EXIST.) RECEPTACLE 504		10
11	(EXIST.) RECEPTACLE 301	20	1			360	360	1	20	20	(EXIST.) RECEPTACLE 506		12
13	(EXIST.) RECEPTACLE 301	20	1	360	360			1	20	20	(EXIST.) RECEPTACLE 508		14
15	(EXIST.) RECEPTACLE 301	20	1		360	360		1	20	20	(EXIST.) RECEPTACLE 503B		16
17	(EXIST.) RECEPTACLE 301	20	1			360	0	1	20	20	SPARE		18
19	(EXIST.) RECEPTACLE 301	20	1	360	360			1	20	20	(EXIST.) RECEPTACLE 402		20
21	(EXIST.) RECEPTACLE 301	20	1		360	360		1	20	20	(EXIST.) RECEPTACLE 404		22
23	(EXIST.) RECEPTACLE 301	20	1			360	360	1	20	20	(EXIST.) RECEPTACLE 305		24
25	(EXIST.) RECEPTACLE 301	20	1	360	360			1	20	20	(EXIST.) RECEPTACLE 306		26
27	(EXIST.) RECEPTACLE 301	20	1		360	360		1	20	20	(EXIST.) RECEPTACLE 306		28
29	(EXIST.) RECEPTACLE 407	20	1			360	360	1	20	20	(EXIST.) RECEPTACLE 306		30
31	(EXIST.) RECEPTACLE 403	20	1	360	360			1	20	20	(EXIST.) RECEPTACLE 306		32
33	(EXIST.) FIRE PANEL	20	1		180	360		1	20	20	(EXIST.) RECEPTACLE 306		34
35	(EXIST.) EX. FAN RM 305	20	1			240	360	1	20	20	(EXIST.) RECEPTACLE 306		36
37	(EXIST.) RECEPTACLE 502	20	1	360	360			1	20	20	(EXIST.) RECEPTACLE 306		38
39	(EXIST.) RT7	20	2		1040	360		1	20	20	(EXIST.) RECEPTACLE 306		40
41	--	--	--			1040	180	1	20	20	(EXIST.) RECEPTACLE ELEC RM		42
43	SPARE	20	1	0	0			1	20	20	SPARE		44
45	SPARE	20	1		0	0		1	20	20	SPARE		46
47	SPARE	20	1			0	0	1	20	20	SPARE		48
49	SPARE	20	1	0	0			1	20	20	SPARE		50
51	SPARE	20	1		0	0		1	20	20	SPARE		52
53	SPARE	20	1			0	0	1	20	20	SPARE		54
55	SPARE	20	1	0	0			1	20	20	SPARE		56
57	SPARE	20	1		0	0		1	20	20	SPARE		58
59	SPARE	20	1			0	0	1	20	20	SPARE		60
61	SPARE	20	1	0	0			1	20	20	SPARE		62
63	SPARE	20	1		0	0		1	20	20	SPARE		64
65	SPARE	20	1			0	0	1	20	20	SPARE		66
67	SPARE	20	1	0	0			1	20	20	SPARE		68
69	SPARE	20	1		0	0		1	20	20	SPARE		70
71	SPARE	20	1			0	0	1	20	20	SPARE		72
73	SPARE	20	1	0	0			1	20	20	SPARE		74
75	SPARE	20	1		0	0		1	20	20	SPARE		76
77	SPARE	20	1			0	0	1	20	20	SPARE		78
79	SPARE	20	1	0	0			1	20	20	SPARE		80
81	SPARE	20	1		0	0		1	20	20	SPARE		82
83	SPARE	20	1			0	0	1	20	20	SPARE		84
TOTAL LOAD:				5196 VA	5260 VA	5060 VA							
ADDITIONAL FEED THRU LUGS LOAD (IF APPLICABLE):				0 VA	0 VA	0 A							
TOTAL AMPS:				43 A	44 A	42 A							
LOAD CLASSIFICATION				CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS					
HVAC -				776 VA	100.00%	776 VA							
POWER -				180 VA	100.00%	180 VA		TOTAL CONNECTED LOAD: 15516 VA					
Spare				14560 VA	100.00%	14560 VA		TOTAL ESTIMATED DEMAND: 15516 VA					
								TOTAL CONNECTED LOAD (A): 43 A					
								TOTAL ESTIMATED DEMAND... 43 A					
NOTES:													

PANELBOARD " R1D4" LOAD SCHEDULE													
PANEL: R1D4				MOUNTING: SURFACE				VOLTAGE: 208/120V, 3PH, 4W					
LOCATION: STORAGE AGS2 / FIRST FLOOR -...				AMPS: 225 A MLO				FED FROM: S1D					
ADDED ACCESSORIES: SPD				FEED-THRU LUGS...				I.C. RATING: 6209					
	CIRCUIT DESCRIPTION	TRIP (A)	POLES	A	B	C	POLES	TRIP (A)		TRIP (A)	CIRCUIT DESCRIPTION		
1	RECEPTACLE - RMS AG1, AG7	20	1	720	900			1	20	20	RECEPTACLE - RMS AB1, AB7		2
3	RECEPTACLE - STORAGE AGS1, AGS2	20	1		720	720		1	20	20	RECEPTACLE - STORAGE AGS2, AGS4		4
5	RECEPTACLE - OFFICES AB3, AG3	20	1			360	500	1	20	20	POWER - STORAGE AGS2 - PRE-ACTION SYS.		6
7	(EXIST.) LIGHTS SPORTS ROW 1 EAST	20	1	700	700			1	20	20	(EXIST.) LIGHTS SPORTS CONTACT ROW		8
9	(EXIST.) LIGHTS SPORTS ROW 2 EAST	20	1		700	700		1	20	20	(EXIST.) LIGHTS SPORTS ROW 3 WEST		10
11	(EXIST.) LIGHTS SPORTS ROW 3 EAST	20	1			700	700	1	20	20	(EXIST.) LIGHTS SPORTS ROW 2 WEST		12
13	(EXIST.) LIGHTS SPORTS ROW 1 WEST	20	1	700	700			1	20	20	(EXIST.) LIGHTS GYM CENTER ROW		14
15	(EXIST.) LIGHTS GYM ROW 1 WEST	20	1		700	700		1	20	20	(EXIST.) LIGHTS GYM ROW 2 EAST		16
17	(EXIST.) LIGHTS GYM ROW 2 WEST	20	1			700	700	1	20	20	(EXIST.) LIGHTS GYM ROW 1 EAST		18
19	(EXIST.) RECEPTACLE GYM SOUTH WALL/WEST...	20	1	540	720			1	20	20	(EXIST.) RECEPTACLE WEST WALL		20
21	(EXIST.) RECEPTACLE GYM NORTH WALL	20	1		540	360		1	20	20	(EXIST.) RECEPTACLE NORTH WALL		22
23	(EXIST.) RECEPTACLE EAST WALL	20	1			540	2080	2	30	30	(EXIST.) RECEPTACLE CLOTHES DRYER		24
25	(EXIST.) EM LIGHTS	20	1	900	2080			--	--	--	--	--	26
27	(EXIST.) RECEPTACLE ALARM TX	20	1		180	180		1	20	20	(EXIST.) RECEPTACLE WALL TOILET		28
29	(EXIST.) RECEPTACLE SCOREBOARD	20	1			180	1441	3	20	20	(EXIST.) FANS XF-5, XF-6		30
31	(EXIST.) FAN - LAUNDRY	20	1	240	1441			--	--	--	--	--	32
33	(EXIST.) RECEPTACLE NORTH / EAST WALL	20	1		720	1441							34
35	(EXIST.) RECEPTACLE STORAGE WEST	20	1			720	720	3	20	20	POWER - NORTH GYM - NORTH BLEACHERS		36
37	(EXIST.) FAN XF4	20	1	540	720			--	--	--	--	--	38
39	(EXIST.) FAN XF4	20	1		540	720		--	--	--	--	--	40
41	(EXIST.) FAN TIME CLOCK	20	1			180	0	1	20	20	SPARE		42
43	(EXIST.) CV6 WEST STAIRWELL GYM	20	2	1040	0			1	20	20	SPARE		44
45	--	--	--	--	1040	0		1	20	20	SPARE		46
47	(EXIST.) CV7 WEST HALL	20	2			1040	0	1	20	20	SPARE		48
49	--	--	--	1040	0			1	20	20	SPARE		50
51	(EXIST.) FANS XF-1, XF-2	20	3		1441	0		1	20	20	SPARE		52
53	--	--	--	--		1441	0	1	20	20	SPARE		54
55	--	--	--	1441	0			1	20	20	SPARE		56
57	(EXIST.) RECEPTACLE WASHER	30	3		2402	0		1	20	20	SPARE		58
59	--	--	--	--		2402	0	1	20	20	SPARE		60
61	--	--	--	2402	0			1	20	20	SPARE		62
63	SPARE	20	1		0	0		1	20	20	SPARE		64
65	SPARE	20	1			0	0	1	20	20	SPARE		66
67	SPARE	20	1	0	0			1	20	20	SPARE		68
69	SPARE	20	1		0	0		1	20	20	SPARE		70
71	SPARE	20	1			0	0	1	20	20	SPARE		72
73	SPARE	20	1	0	0			1	20	20	SPARE		74
75	SPARE	20	1		0	0		1	20	20	SPARE		76
77	SPARE	20	1			0	0	1	20	20	SPARE		78
79	SPARE	20	1	0	0			1	20	20	SPARE		80
81	SPARE	20	1		0	0		1	20	20	SPARE		82
83	SPARE	20	1			0	0	1	20	20	SPARE		84
TOTAL LOAD:				17524 VA	13804 VA	14404 VA							
ADDITIONAL FEED THRU LUGS LOAD (IF APPLICABLE):				0 VA	0 VA	0 A							
TOTAL AMPS:				147 A	115 A	121 A							
LOAD CLASSIFICATION				CONNECTED LOAD	DEMAND FACTOR	ESTIMATED DEMAND		PANEL TOTALS					
POWER -				2660 VA	100.00%	2660 VA							
RECEPTACLE -				3420 VA	100.00%	3420 VA		TOTAL CONNECTED LOAD: 45732 VA					
Spare				39652 VA	100.00%	39652 VA		TOTAL ESTIMATED DEMAND: 45732 VA					
								TOTAL CONNECTED LOAD (A): 127 A					
								TOTAL ESTIMATED DEMAND... 127 A					
NOTES:													