

SECTION 009113 – ADDENDUM ONE

PART 1 - ADDENDA

1.1 PROJECT INFORMATION

- A. Project Name: 21064 – Pontotoc City Schools ESSER 2 & 3
- B. Owner: Pontotoc City School District
- C. Architect: Dale | Bailey, an Association
- D. Architect Project Number: 21064
- E. Date of Addendum One: 30 November 2021

1.2 NOTICE TO BIDDERS

- A. This Addendum is issued to all registered plan holders pursuant to the Instructions to Bidders and Conditions of the Contract. This Addendum serves to clarify, revise, and supersede information in the Project Manual, Drawings, and previously issued Addenda. Portions of the Addendum affecting the Contract Documents will be incorporated into the Contract by enumeration of the Addendum in the Owner/Contractor Agreement.
- B. The Bidder shall acknowledge receipt of this Addendum in the appropriate space on the Bid Form.
- C. The date for receipt of bids is unchanged by this Addendum at same time and location.

1.3 GENERAL

- A. Attached are the annotated Pre-Bid Meeting Minutes and Meeting Attendees dated 2 December 2021.

1.4 REVISIONS TO DIVISION 00 – PROCUREMENT REQUIREMENTS AND CONTRACTING REQUIREMENTS

- A. DOCUMENT 002113 – INSTRUCTIONS TO BIDDERS (New). See attached.
- B. DOCUMENT 004113 – BID FORM (New). See attached.

1.5 REVISIONS TO DIVISION 01 – GENERAL REQUIREMENTS

- A. DOCUMENT 011000 – SUMMARY. (Revised). Delete this form in its entirety and replace with new. See attached.



- B. DOCUMENT 012300 – ALTERNATES. (Revised). Delete this form in its entirety and replace with new. See attached.

1.6 REVISIONS TO DIVISION 02 – EXISTING CONDITIONS

- A. DOCUMENT 028213 – ASBESTOS ABATEMENT. (New). See attached.

1.7 REVISIONS TO DRAWINGS

- A. Page JHAC001, Site Demolition; Updated to reflect Civil.
- B. Page JHAC101, Site New Construction; Updated to reflect Civil.
- C. Page C.1-01, Demolition Plan; Added scope to correct drainage at sidewalk.
- D. Page C.2-01, Grading and Drainage Plan; Added scope to correct drainage at sidewalk.
- E. Page P-011, PCS Jr. High School PLBG Plans – 1st Level; Reduced Sink Count.
- F. Page E202, Pontotoc Junior High Overall Renovation Plan; Added Circuits in Corridor 3.
- G. Page 5AD101, Demolition; Updated to reflect added areas of abatement for piping.

1.8 ATTACHMENTS

- A. Annotated Pre-Bid Meeting Minutes and Meeting Attendees dated 2 December 2021.
- B. This Addendum includes the following attached Specifications:
 - 1. Specification 002113 – Instructions to Bidders dated 3 December 2021.
 - 2. Specification 004114 – Bid Form dated 3 December 2021.
 - 3. Specification 011000 – Summary dated 3 December 2021
 - 3. Specification 012300 – Alternates dated 3 December 2021.
 - 4. Specification 028213 – Asbestos Abatement.
- C. This Addendum includes the following attached Drawings:
 - 1. Drawing C.1-01 – Demolition Plan dated 3 December 2021.
 - 2. Drawing C.2-01 – Grading & Drainage Plan dated 3 December 2021.
 - 3. Architectural set of drawings.
 - 4. Mechanical set of drawings.
 - 5. Electrical set of drawings.

END OF ADDENDUM ONE

Agenda

Meeting Minutes

201 Park Court, Suite B
Ridgeland, MS 39157
P 601.790.9432
F 888.281.0547

02 December 2021

21064 Pontotoc City Schools District ESSER 2&3 / Pre-Bid Meeting

One Jackson Place, Suite 250
188 East Capitol Street
Jackson, MS 39201-2100
P 601.352.5411
F 601.352.5362

161 Lameuse Street, Suite 201
Biloxi, MS 39530
P 228.374.1409
F 228.374.1414

1. General

- a. Please silence cell phones
- b. Sign-in sheet: Minutes will include list of meeting attendees
- c. Plan holders list: Minutes will include list of plan holders
- d. Description: The project's scope of work includes three (3) school sites under one contract. The work is funded by ESSER (Elementary and Secondary School Emergency Relief) Federal Funding. The work will include interior renovations of existing spaces, demolition of finishes, new metal partition wall framing & drywall, new tile, hollow metal doors and frames, paint & ceiling grid, and window rehabilitation. This work must be coordinated with another ongoing project that involves mechanical work in the same spaces. Site work includes grading & concrete for a new ADA ramp as well as the relocation of a power pole.
- e. Team
 - i. Owner Pontotoc City Schools / Pontotoc, MS
..... Dr. Michelle Bivens, Superintendent.
 - ii. Owner's Contact
..... Wally Windham, Director of Transportation and Maintenance
 - iii. Architect..... Dale | Bailey, an Association / Jackson, MS / Russ Blount
 - iv. Project Manager Dale | Bailey, an Association / Jackson, MS / Paul Purser
 - v. Plumbing GSK Mechanical, Inc / Ridgeland, MS / Jason Kackley
 - vi. Electrical..... The Power Source / Ridgeland, MS / Chris Green

2. Procurement and Contracting Requirements

- a. Advertisement for Bids
 - i. Advertisement dates: 11/17/21 & 11/24/21
 - ii. Bid Receipt: Bids to be opened at 2:00 PM on Friday, December 17, 2021
 - iii. Bid Location: Pontotoc City Schools / 172 North College St. / Pontotoc, MS
- b. Bidder Qualifications
 - i. Bidders must be properly licensed under the laws governing their respective trades
 - ii. List all applicable state & local license & registration nos. on outside of bid envelope
- c. Bonding & Insurance

- i. Bidders must be able to obtain insurance and bonds required for the Work
 - d. Bid Security
 - i. A Bid Security in the amount of 5% of the total maximum bid amount is required
 - ii. Cash, cashier's check, certified check, US money order, or bid bond
 - e. Bid Form and Attachments
 - i. Acknowledgement of Addenda
 - ii. Subcontractor identification
 - f. Bid Submittal Requirements
 - i. Envelope requirements (re: Bid Submittal Checklist)
 - ii. Proper identification
 - g. Notice of Award
 - i. Offered within 60 days after receipt of bids
 - ii. Award will be made as soon as possible & successful bidder should be ready to secure bonds & insurance immediately
- 3. Communication during Bidding Period
 - a. Obtaining documents
 - i. Plan holders are required to register and order bid documents at www.dalebaileyplans.com
 - b. Bidder's Requests for Information
 - i. Binding answers to questions must be included in an official written addendum and the Contractor or Subcontractor is encouraged to provide written communications to the Architect for proper response
 - ii. Address e-mailed written correspondence to biddinginfo@dalepartners.com
 - iii. No questions will be accepted after 5:00 PM on Monday, December 13, 2021 in order to allow the Architect adequate time to prepare any necessary addenda
 - c. Addenda
 - i. Addendum no 1 (tentative).....12.03.21
 - ii. Addendum no 2 (tentative).....12.09.21
 - iii. Addendum no 3 (if required)..... ≤ 3:00 PM, 12.14.21
- 4. Contracting Requirements
 - a. The Supplementary Conditions
 - i. Refer to this section for specific comments & directives
 - 1. Change order markups
 - 2. Weather delays
 - 3. Retainage
 - 4. Stored material
 - 5. Liquidated damages
 - 6. Insurance

- b. Other Owner requirements: verify user occupancy during construction
5. Construction Documents
- a. Use of Site
 - i. Complete use of site TBD
 - ii. Parking
 - iii. Lay-down areas to be coordinated with the Owner
 - b. Work Restrictions
 - i. Work days
 - 1. There may be specific days that work cannot take place due to testing or other school requirements. These days shall be coordinated by the school.
 - 2. Work can begin immediately for these areas:
 - a. Middle School Auditorium
 - b. Junior High School Upper Gym Floor
 - c. Junior High School Site Work
 - d. High School Unfinished Space New Work
 - 3. Work for the Lower Gym Floor Should Take Place after Middle School Auditorium is Complete
 - 4. High School toilet Renovations should be complete during summer recess
 - ii. Work times
 - 1. Demo and work producing significant noise shall be performed when school is not in session (before 7am or after 3pm)
 - c. Unit prices, alternates, & allowances
 - i. Unit prices: No unit pricing is currently included in bid package
 - ii. Alternates:
 - 1. No. 1: Relocation of Power Pole at Junior High School
 - iii. Allowances:
 - 1. No. 1: Construction Contingency for PCS High School - \$35,000
 - 2. No. 2: Construction Contingency for PCS Junior High School - \$45,000
 - 3. No. 3: Construction Contingency for PCS Middle School - \$20,000
 - 4. No. 4: Audio Enhancement Contingency Allowance for New Classrooms at PCS Middle School and PCS Junior High School - \$75,000
 - 5. No. 5: General Hardware Contingency for PCS High School - \$18,000
 - 6. No. 6: General Hardware Contingency for PCS Junior High School - \$18,000
 - 7. No. 7: General Hardware Contingency Allowance for PCS Middle School - \$4,000
 - d. Substitutions following award
 - i. Substitutions will be considered within 30 days of the contract award
 - ii. Burden of proof of "equal" will be on the Contractor or Vendor

6. Federal Requirements: Document 000820
 - a. Contractor must take all necessary affirmative steps to assure that minority businesses, women's business enterprises and labor surplus area firms are used when possible.
 - b. Contractor must comply with the Davis-Bacon Act as supplemented by Department of Labor regulations.
 - c. Contractor at the execution of a contract, must complete the Independent Contractor Debarment Verification Form. Contractor must not be on the list for debarment.
7. Non-Collusion Affidavit: Document 004105
 - a. Form must be complete in its entirety and submit with bid
 - b. Failure to file an affidavit will result in disqualification of bid
8. Schedule
 - a. Project Schedule
 - i. Section 013200 in Project Manual
 - ii. GC to provide CPM type schedule, regularly updated
 - b. Contract Time
 - i. Contract time current defined as Substantial Completion date of July 15, 2022
 - c. Liquidated Damages
 - i. \$500 each calendar day of the delay after Contract Time
 - d. Other Bidder Questions
9. Post-Meeting Addendum
 - a. May be issued, as necessary to document the meeting questions & provide proper responses
10. Other Bidder Questions
 - a. Architect will record and distribute meeting minutes to attendees and others known by the Architect's office to have received a complete set of Procurement and Contracting Documents
 - b. Minutes of meeting are issued as Available Information and do not constitute a modification to the Procurement and Contracting Documents
 - c. Modifications to the Procurement and Contracting Documents are issued by written Addendum only
11. Site/facility visit or walkthrough

End

Agenda

201 Park Court, Suite B
Ridgeland, MS 39157
P 601.790.9432
F 888.281.0547

02 December 2021

21064 Pontotoc City Schools District ESSER 2&3 / Pre-Bid Meeting

172 N College St., Pontotoc, MS 38863

One Jackson Place, Suite 250
188 East Capitol Street
Jackson, MS 39201-2100
P 601.352.5411
F 601.352.5362

161 Lameuse Street, Suite 201
Biloxi, MS 39530
P 228.374.1409
F 228.374.1414

Initial	Name	Business	Phone	Email
	Dr. Michelle Bivens	PCS		mbivens@pontotoc.k12.ms.us
	Wally Windham	PCS	662-419-3565	wwindham@pontotoc.k12.ms.us
	Gary Bailey	Dale Bailey	601-951-1820	gbailey@baileyarch.com
	Russ Blount	Dale Bailey	601-352-5411	RussBlount@dalepartners.com
	Paul Purser	Dale Bailey	601-352-5411	paulpurser@dalepartners.com
	Chris Green	The Power Source	601-605-4820	cgreen@thepowersource.us
	Jason Kackley	GSK Mechanical, Inc.	601-605-2930	jkackley@gskmech.com

Name	Company
Phone	Email
Name	Company
Phone	Email
Name	Company
Phone	Email
Name	Company
Phone	Email

Questions & Answers

201 Park Court, Suite B
Ridgeland, MS 39157
P 601.790.9432
F 888.281.0547

03 December 2021

21064 Pontotoc City Schools District ESSER 2&3 / Pre-Bid Meeting (Dec 02, 2021)

Questions and Answers

One Jackson Place, Suite 250
188 East Capitol Street
Jackson, MS 39201-2100
P 601.352.5411
F 601.352.5362

Owner: The unfinished work will need to be broken up. Wally will provide information regarding this to Paul.

If necessary, will be addressed in future addenda.

Owner: Summer starts May 26th.

Information included in updated work restrictions under Section 011000 1.8.

161 Lameuse Street, Suite 201
Biloxi, MS 39530
P 228.374.1409
F 228.374.1414

Owner: A testing schedule will be provided; Owner is still nailing down exact dates.

If necessary, will be addressed in future addenda.

Flagstar: Is there a detail drawing showing how the glass in the back at the bleachers is being installed? There is a detail for the front, just missing back.

See section 057313 for Basis-of-Design. Contractor shall provide product comparable to these. Note that plan shows product installed center of new wall.

Owner: On drawing 4 sheet AD101 there is a detail for removing existing tile (including asbestos) and prepping the surface for a sealed concrete finish, however, is there a detail for the floors without tile to be prepped to receive a sealed concrete finish?

Yes. See "Additional Demo Notes" Note A at right center of sheet.

Owner: On drawing 5 sheet AD101 the detail for the pipe insulation only shows the insulation inside the auditorium, we might need to show that it extends passed the building to the exterior of the auditorium.

If necessary, will be addressed in future addenda.

Owner: The plumbing sheets show 3 sinks in an area where we had discussed reducing the sink count to 2. The Architectural drawings show 2, however, plumbing still shows 3.

Updated Plumbing sheets are included in Addendum 01.

Owner: On sheet E202, under the gym in the new corridor, there is a nook where we are removing shelves. The Owner requested 4 circuits be installed in this nook for vending machines but the electrical does not show any.

Updated Electrical Sheets are included in Addendum 01.

Owner: The Owner is getting the daughter of the artist that originally painted the logo on the gym floor to make an exact template of the logo so they can paint it back exactly the way it was before the renovations. They will just need time to complete this task before any work on the gym floor begins.

If necessary, will be addressed in future addenda.

DOCUMENT 002113 - INSTRUCTION TO BIDDERS

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

- A. Interpretations: Should a bidder find discrepancies in or omissions from the plans and specifications or be in doubt as to their written meaning, he should immediately notify the Architect in writing. The Architect will then send a written instruction or interpretations to all known holders of the documents if deemed appropriate by the Architect. Neither the Owner nor the Architect will be responsible for nor bound by any oral instructions or for a bidder's failure to make inquiry.
- B. Contractor/Subcontractor Question/Answer Period: It is noted that questions will be received and answered on an unofficial basis. Binding answers to questions must be included in an official written addendum and the Contractor or Subcontractor is encouraged to provide written communications to the Architect for proper response. Address e-mailed written correspondence to biddinginfo@dalepartners.com.
- C. Addenda: Any addenda to the plans and / or specifications issued before or during the time of bidding will become a part of the Contract and receipt of same must be acknowledged by Bidder in his proposal.
- D. "Or Equal" Substitutions: Refer to General Conditions 3.2.2 and Section 016000- "Or Equal" Substitutions: Bidder is advised that some sections of the specifications may not allow for substitutions and that the requirements of the General Conditions and Section 016000 and any requirements in the technical specifications which do not conflict with and which are in addition to the General Conditions and Section 016000 may, in the Owner's sole discretion, result in the rejection of the request for "or equal" substitution.

1.2 BIDDING

- A. A Contract for Construction: lump sum, single bid, received from General Contractors and shall include General, Mechanical, Electrical, and Site work as well as all other work shown on plans and specified herein.
- B. Subcontractors and Suppliers: The Bidder is specifically advised that any person, firm or other party to whom it is proposed to award a Subcontract or purchase order under this contract must be acceptable to the Owner.
 - 1. The Owner may make such investigation as he deems necessary to determine the ability of the Bidder of subcontractors or suppliers to perform the work, and the Bidder shall furnish to the owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such Bidder fails to satisfy the Owner that such Bidder is properly qualified to carry out the obligations of the Contract and to complete the work contemplated therein within the time required.
 - 2. All subcontractors must have a current, valid, Contractor's License and/or Certificate of Responsibility where Bid exceeds \$50,000.00.

3. Listing of Subcontractors and Suppliers:
 - a. So that the Owner may be assured that only qualified and competent subcontractors and suppliers will be utilized on the project and to prevent “bid-shopping” and/or “bid-chopping”, each Bidder shall identify within seven (7) days after Bid receipt date the name of the subcontractor and supplier used by the Bidder in his bid for each subcontractor and supplier whose bid or quote exceeds \$50,000.00. Bidder’s List shall be provided on the Listing Form provided with the Proposal Form. A Bidder’s failure to indicate the name(s) of the subcontractors and major suppliers included in his lump sum price within seven (7) days after Bid receipt may result in the rejection of the Bidder’s bid as non-responsive.
 - b. The successful Bidder shall use the subcontractor and supplier identified by him as being include in his lump sum price, provide however, the Bidder assumes the risk that the subcontractor or supplier listed within seven (7) days after Bid receipt may result in the rejection of the Bidder’s bid as non-responsive.
 - c. If Bidder lists itself as a supplier for any of the classifications listed, then the Bidder will be required to furnish such product from its manufacturing inventory and to demonstrate to the Owner and Architect that it has satisfactory qualifications and prior experience manufacturing and furnishing such materials, equipment and/or products. If Bidder lists itself as a subcontractor for any of the classifications listed, then the Bidder will be required to perform the work with its own regularly employed personnel and to demonstrate to the Owner and Architect that is has satisfactory qualifications and prior experience performing such work with its own regularly employed personnel. The Owner reserves the right to reject any bid if the evidence submitted by Bidder fails to satisfy the Owner that the Bidder has satisfactory qualifications and prior experience performing such work and/or furnishing such materials, equipment and /or products.

1.3 NON COLLUSIVE AFFIDAVITT

- A. Bids shall be accompanied with 004105 Form of Non Collusive Affidavit. Form is provided in Division 1 of the project manual.

1.4 CERTIFICATE OF RESPONSIBILITY

- A. Each bidder submitting a bid equal to or in excess of \$50,000.00 on public projects and equal to or in excess of \$100,000.00 on private projects must show on his bid and on the face of the envelope containing the bid, his Certificate of Responsibility Number, as required by Section 31-3-21 (latest revision) Mississippi Code. If the bid does not exceed \$50,000.00 on public projects and \$100,000.00 on private projects, a notation so stating must appear on the face of the envelope.
- B. Each subcontractor shall also have a Certificate of Responsibility Number, as required by Section 31-3-21 (latest revision), Mississippi Code.
- C. Evidence: No bid will be opened, considered or accepted unless the above information is given as specified. Sufficient evidence that said Certificate of Responsibility has been issued and is in effect at the time of receiving bids must be submitted if required by the Owner or the Architect. Likewise, it shall be the responsibility of the General Contractor to require a Certificate of Responsibility Number from any subcontractor that falls in the category of “B” above.

- D. In accordance with Mississippi law, if the Bidder is a joint venture, either the joint venture or all of the Contractors which make up the joint venture must hold certificates of responsibility from the State Board of Contractors.

1.5 BID BOND

- A. Use AIA Document A310, Bid Bond, 1970 Edition for execution of Bid Bond.

1.6 BID SECURITY

- A. Each bid, exceeding \$5,000.00 must be accompanied by the Bidder's certified check or a bid bond, duly executed by the Bidder as principal and having surety thereon, a surety company approved by the Owner and signed by an agent resident in Mississippi, in the amount of five percent of the bid. All bid bonds must be accompanied by the appropriate Power of Attorney designating the Mississippi Resident Agent.

1.7 OPENING OF PROPOSALS

- A. Refer to the Advertisement of Bid.

1.8 PREPARATION OF BID

- A. Conditions of Work: Each Bidder must fully inform himself of the conditions relating to the construction of the project and employment of labor thereon. Failure to do so will not relieve a successful Bidder of his obligation to furnish all material and labor necessary to carry out the provisions of his Contract. The Contractor must employ methods or means to cause no interruptions of or interference with the work of any other Contractor.
- B. Examination of Site: All bidders, including the general contractor and subcontractors, will visit the site of the building, and inform themselves of all conditions. Failure to visit the site will in no way relieve the successful Bidder from his obligation to complete all work in accordance with the Contract Documents without additional cost to the Owner.
- C. Staging and Access: All Bidders, including the general contractor and subcontractors, acknowledge that the construction premises are restricted and that access is affected by the location of the project, by the facilities surrounding the project and by other construction either presently being performed or proposed to be performed during the performance of this Contract. All Bidders, including the general contractor and subcontractors, further acknowledge that such limitations in space and accessibility have been taken into account in estimating their bids.
- D. Laws and Regulations: The Bidder's attention is directed to the fact that all applicable state laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project apply to the Contract. The successful Bidder shall be required to comply with all applicable laws, ordinances, rules and regulations at no additional adopted or become effective before or after bid opening.
- E. Obligation of Bidder: At the time of opening of bids, Bidder will be presumed to have inspected the site and to have read and be thoroughly familiar with the plans and specifications, including all addenda.

- F. Telegraphic and Facsimile Modifications: A Bidder may modify his bid by telegraphic or facsimile communication at any time, provided such communication is received by the Owner prior to the scheduled time for opening time or no consideration will be given the telegraphic or facsimile modifications.

1.9 PROPOSALS

- A. Form: Submit all proposals on forms provided and fill all applicable blank spaces without interlineations, alterations, or erasure and recapitulations of the work to be done. No oral, telegraphic, or telephonic proposals will be considered. Any addenda issued during the bidding must be noted on the Proposal Form.
- B. Withdrawal: Any bid may be withdrawn prior to the time for opening of bids or authorized postponement thereof. Any bid received after the time and date specified will not be considered. All bids are irrevocable offers to contract at the price bid which may not be withdrawn until Ninety (90) days after bid opening.
- C. Submittal: Submit bids in duplicate in an opaque sealed envelope bearing on the outside, the name and Certificate of Responsibility number of the Bidder, his address, bid opening date, and time.
- D. Any bid modification or qualification on the outside of the envelope will be considered only if accompanied by signature and title of person making the modification.
- E. Mailing: If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to:
- F. Ground Service: Pontotoc City School District, 140 Education Drive, Pontotoc, MS 38863.
- G. Bidders are urged to deliver their bid to the Owner. Owner will not be responsible for misdelivery of mail or express deliveries.

1.10 CONTRACT

- A. Award of Contract: Award shall be made to the lowest and best Bidder, pursuant to Mississippi law and these Instructions to Bidders. The lowest bid shall be the base bid or combination of base bid and those alternates which produce a total within available funds. The Owner reserves the right to waive irregularities and to reject any and all bids.
- B. Disqualification of Bidder: The Owner reserves the right to award to other than the low Bidder when, in the Owner's judgment, it is in his best interest to do so. For instance, a Bidder may be disqualified for such reasons as:
 - 1. Bidder being in arrears on existing contracts.
 - 2. Bidder being in litigation with the Owner or the institution/agency.
 - 3. Bidder having defaulted on or failed to satisfactorily complete a previous contract with the Owner, including Bidder's failure to satisfactorily fulfill the warranty obligations of a previous contract with the Owner.
- C. The above is not an inclusive list.

- D. Security for Faithful Performance: When the bid exceeds \$4,000.00 and simultaneously with his delivery of the executed Contract, the Contractor will furnish a payment and a performance bond in accordance with Section 31-5-51 et. Seq. of the Mississippi Code (latest revision). The surety on such bonds will be a duly authorized surety company licensed to do business in the state of Mississippi which is acceptable to the owner and which is listed on the United States' Treasury Department's list of acceptable sureties.
- E. Time of Completion: By submission of its bid, Bidder agrees to commence work on or before a date specified in a written "Notice to Proceed" and fully complete the project within the time stated in the Bid Proposal Form.
- F. Substantial Completion: By completion of the project shall be as defined by Section 9.8.1 of the General Conditions "... when the work or designated portion thereof is sufficiently complete in accordance with the Contract Documents so the Owner can occupy or utilize the work for its intended use."
- G. Final Acceptance/Completion: Final acceptance/completion of the project as defined in the General Conditions 9.10.2.1 requires the submittal by Contractor of all closeout documents, all ownership and maintenance manuals required by the technical sections of the Contract the Guarantee of Work required by the General Conditions 12.2.2.5 and 12.2.2.6 and the manufacturer's certifications. Bidder's attention is specifically directed to the General Conditions 9.8.4 for additional conditions precedent to final acceptance/completion of the project.
- H. Liquidated Damages for Failure to Enter Into Contract: The successful Bidder, upon his failure or refusal to execute and deliver the Contract and required bonds within ten days after he has received notice of the acceptance of his bid, will forfeit to the Owner as liquidated damages the security deposited with his bid.
- I. Liquidated Damages for Failure to Substantially Complete Project in Time Stipulated: Applicable when stipulated sum is shown in General Conditions 9.11.

1.11 BID DOCUMENTS

- A. Plans and specifications are available, unless noted otherwise on the Advertisement for Bid, at Dale Bailey's online planroom at www.dalebaileyplans.com.
- B. No partial sets of documents will be issued or accepted for return.

END OF DOCUMENT 002113

DOCUMENT 004113 - BID FORM - STIPULATED SUM (SINGLE-PRIME CONTRACT)

1.1 BID INFORMATION

- A. Bidder: _____.
- B. Project Name: Pontotoc City Schools ESSER 2 & 3, Pontotoc, Mississippi.
- C. Project Location:
 - 1. PCS High School: 123 N. Main Street, Pontotoc, MS 38863
 - 2. PCS Junior High School: 132 N. Main Street, Pontotoc, MS 38863
 - 3. PCS Middle School: 135 Education Drive, Pontotoc, MS 38863.
- D. Owner: Pontotoc City School District, 140 Educational Drive, Pontotoc, MS 38863.
- E. Architect: Dale | Bailey, An Association, One Jackson Place, Suite 250, 188 East Capitol Street, Jackson, MS 39201.
- F. Architect Project Number: 21064

1.2 CERTIFICATIONS AND BASE BID

- A. Base Bid, Single-Prime (All Trades) Contract: The undersigned Bidder, having carefully examined the Procurement and Contracting Requirements, Conditions of the Contract, Drawings, Specifications, and all subsequent Addenda, as prepared by Dale Bailey Architects and Architect's consultants, having visited the site, and being familiar with all conditions and requirements of the Work, hereby agrees to furnish all material, labor, equipment and services, including all scheduled allowances, necessary to complete the construction of the above-named project, according to the requirements of the Procurement and Contracting Documents, for the stipulated sum of:
 - 1. Base Bid. _____
Dollars (\$ _____)

1.3 **ALLOWANCES.** Include the allowances below in the base bid. Refer to section 012100-ALLOWANCES

- A. Allowance No. 01: General Construction Lump Sum Contingency Allowance for PCS High School: Thirty-Five Thousand Dollars (\$35,000.00).
- B. Allowance No. 02: General Construction Lump Sum Contingency Allowance for PCS Junior High School: Forty-Five Thousand Dollars (\$45,000.00).
- C. Allowance No. 03: General Construction Lump Sum Contingency Allowance for PCS Middle School: Twenty Thousand Dollars (\$20,000.00).

- D. Allowance No. 04: Audio Enhancement Lump Sum Contingency Allowance for New Classrooms at PCS Middle School and PCS Junior High School: Seventy-Five Thousand Dollars (\$75,000).
- E. Allowance No. 05: General Hardware Contingency Allowance for PCS High School: Eighteen Thousand Dollars (\$18,000.00).
- F. Allowance No. 06: General Hardware Contingency Allowance for PCS Junior High School: Eighteen Thousand Dollars (\$18,000.00).
- G. Allowance No. 07: General Hardware Contingency Allowance for PCS Middle School: Four Thousand Dollars (\$4,000.00).

1.4 **ALTERNATES.** Refer to Section 012300 - Alternates for description of Alternates.

- A. Additive Alternate no. 01: Relocation of Power Pole at Junior High School:

Option A: _____ Dollars
(\$ _____).

Option B: _____ Dollars
(\$ _____).

1.5 **BID GUARANTEE**

- A. The undersigned Bidder agrees to execute a contract for this Work in the above amount and to furnish surety as specified within 10 days after a written Notice of Award, if offered within 90 days after receipt of bids, and on failure to do so agrees to forfeit to Owner the attached cash, cashier's check, certified check, U.S. money order, or bid bond, as liquidated damages for such failure, in the following amount constituting five percent (5%) of the Base Bid amount above:

1. _____ Dollars
(\$ _____).

- B. In the event Owner does not offer Notice of Award within the time limits stated above, Owner will return to the undersigned the cash, cashier's check, certified check, U.S. money order, or bid bond.

1.6 **SUBCONTRACTORS AND SUPPLIERS**

- A. The following companies shall execute subcontracts for the portions of the Work indicated:

PLUMBING CONTRACTOR - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

HVAC CONTRACTOR - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

ELECTRICAL CONTRACTOR - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

(OTHER CONTRACTOR) - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

(OTHER CONTRACTOR) - Indicate: Non-DBE Firm, MBE Firm or WBE Firm

Name: _____ License Number: _____

1.7 TIME OF COMPLETION

- A. The undersigned Bidder proposes and agrees hereby to commence the Work of the Contract Documents on a date specified in a written Notice to Proceed to be issued by Architect and shall fully complete the Work by July 15, 2022.

1.8 ACKNOWLEDGMENT OF ADDENDA

- A. The undersigned Bidder acknowledges receipt of and use of the following Addenda in the preparation of this Bid:
 1. Addendum No. 1, dated _____.
 2. Addendum No. 2, dated _____.
 3. Addendum No. 3, dated _____.
 4. Addendum No. 4, dated _____.

1.9 BID SUPPLEMENTS

- A. The following supplements are a part of this Bid Form and are attached hereto.
 1. Bid Form Supplement - Allowances.
 2. Bid Form Supplement - Bid Bond Form (AIA Document A310-2010).
 3. Non-Collusive Affidavit Form.

1.10 CONTRACTOR'S LICENSE

- A. The undersigned further states that it is a duly licensed contractor, for the type of work proposed, in Mississippi, and that all fees, permits, etc., pursuant to submitting this proposal have been paid in full.

1.11 SUBMISSION OF BID

- A. Respectfully submitted this ____ day of _____, _____.
- B. Submitted By: _____ (Name of bidding firm or corporation).
- C. Authorized Signature: _____ (Handwritten signature).
- D. Signed By: _____ (Type or print name).
- E. Title: _____ (Owner/Partner/President/Vice President).
- F. Witnessed By: _____ (Handwritten signature).
- G. Attest: _____ (Handwritten signature).
- H. By: _____ (Type or print name).
- I. Title: _____ (Corporate Secretary or Assistant Secretary).
- J. Street Address: _____.
- K. City, State, Zip: _____.
- L. Phone: _____.
- M. License No.: _____.
- N. Federal ID No.: _____ (Affix Corporate Seal Here).

END OF DOCUMENT 004113

SECTION 011000 - SUMMARY

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Project information.
2. Work covered by Contract Documents.
3. Work under Owner's separate contracts.
4. Contractor's use of site and premises.
5. Coordination with occupants.
6. Work restrictions.
7. Specification and Drawing conventions.

B. Related Requirements:

1. Section 015000 "Temporary Facilities and Controls" for limitations and procedures governing temporary use of Owner's facilities.

1.2 PROJECT INFORMATION

A. Project Identification: 21064 Pontotoc City Schools ESSER 2 and 3.

1. Project Location: 140 Education Drive, Pontotoc, Mississippi.
 - a. PCS High School: 123 N Main St., Pontotoc, MS 38863
 - b. PCS Junior High School: 132 N Main St., Pontotoc, MS 38863
 - c. PCS Middle School: 135 Education Dr., Pontotoc, MS 38863

B. Owner: Pontotoc City School District, 140 Education Drive, Pontotoc, Mississippi.

C. Architect: Dale Partners Architects, 188 E. Capitol Street, Suite 250, Jackson, Mississippi, 39201.

1.3 WORK COVERED BY CONTRACT DOCUMENTS

A. The Work of Project is defined by the Contract Documents and consists of the following:

1. Project Description: This package contains 3 school sites for bid that will be awarded to a single Contractor. A separate project will be under construction during the same construction period as this project. Coordination between both projects will be required. The work is funded by ESSER (Elementary and Secondary School Emergency Relief) Federal Funding.
 - a. Pontotoc High School includes renovations in 2 separate areas:
 - 1) An unfinished space renovation includes interior wall construction, floor installation, some ceiling grid, ceiling paint, wall paint, door installations, lighting, and an egress stair installed.

- 2) A set of toilet rooms at the main school building will be renovated, which includes demo, rough in plumbing, new tile floors, some metal stud framing with backer and tile, walls paint, toilet fixtures and accessories, as well as lighting and ceiling work.
- b. Pontotoc Junior High School includes renovations in 3 separate areas:
 - 1) An ADA ramp shall be installed including painted steel guardrails, poured in place concrete retaining walls and ramps, some storm sewer work, and regrading on the exterior between the main school and the gym.
 - 2) At the upper Gym floor and in the northern section of the building, a full renovation of the space shall occur, including asbestos remediation, new flooring and ceilings, tile work, plumbing fixtures and accessories, as well as paint and lighting. At the gym, an area shall be reframed for ADA viewership at the existing benches. The existing benches shall be repaired and painted. The gym shall also receive new paint and lighting as well as flooring. Window repair work and/or new window installations shall occur throughout.
- c. Pontotoc Middle School includes renovations at the upper floor of the auditorium. Renovation includes new ADA ramps, new storefront, new ceilings and floors, as well as lighting and window repairs.

B. Type of Contract:

1. Project will be constructed under a single prime contract.

1.4 PHASED CONSTRUCTION

- A. Work in areas #5 Middle School Auditorium and in #4 Junior High School Gym Lower Level shall be conducted in 2 phases, with each phase substantially complete as indicated.
 1. Phase 1 : #5 Middle School Auditorium Renovation .
 - a. Commencement of Construction:
 - 1) Notice to Proceed: Work of this phase shall commence within 0 after the Notice to Proceed.
 - b. Substantial Completion:
 - 1) Within 60 Days after the Notice to Proceed.
 2. Phase 2 : Perform Work in Area #4 Junior High School Gym Lower Level. This Work shall be substantially complete at time of Substantial Completion of the Work.
- B. Before commencing Work of each phase, submit an updated copy of Contractor's construction schedule showing the sequence, commencement and completion dates , and move-out and -in dates of Owner's personnel for all phases of the Work.

1.5 WORK UNDER SEPARATE CONTRACTS

- A. General: Cooperate fully with separate contractors so work on those contracts may be carried out smoothly, without interfering with or delaying Work under this Contract or other contracts. Coordinate the Work of this Contract with work performed under separate contracts.

1.6 CONTRACTOR'S USE OF SITE AND PREMISES

- A. Restricted Use of Site: Contractor shall have limited use of Project site for construction operations as indicated on Drawings by the Contract limits and as indicated by requirements of this Section.
- B. Limits on Use of Site: Limit use of Project site to Work in areas areas within the Contract limits indicated. Do not disturb portions of Project site beyond areas in which the Work is indicated.
 - 1. Driveways, Walkways, and Entrances: Keep driveways and entrances serving premises clear and available to Owner, Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or for storage of materials.
- C. Condition of Existing Building: Maintain portions of existing building affected by construction operations in a weathertight condition throughout construction period. Repair damage caused by construction operations.
- D. Condition of Existing Grounds: Maintain portions of existing grounds, landscaping, and hardscaping affected by construction operations throughout construction period. Repair damage caused by construction operations.

1.7 COORDINATION WITH OCCUPANTS

- A. Partial Owner Occupancy: Owner will occupy the premises during entire construction period, with the exception of areas under construction. Cooperate with Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with Owner's operations. Maintain existing exits unless otherwise indicated. Where HVAC is impacted by scope of work, Contractor is responsible for maintaining Temperature and humidity levels in a range generally accepted as comfortable to the general public.
- B. Owner Limited Occupancy of Completed Areas of Construction: Owner reserves the right to occupy and to place and install equipment in completed portions of the Work, prior to Substantial Completion of the Work, provided such occupancy does not interfere with completion of the Work. Such placement of equipment and limited occupancy shall not constitute acceptance of the total Work.

1.8 WORK RESTRICTIONS

- A. Comply with restrictions on construction operations.
 - 1. Comply with limitations on use of public streets, work on public streets, rights of way, and other requirements of authorities having jurisdiction.
 - 2. Access to the site:
 - a. Work hours are not limited to those outside of normal school hours when school is in session and students are on campus unless otherwise noted in Section 0110000 1.4. The hours of student occupation are approximately 7:00 AM to 3:00 PM.
 - b. Evenings, Nights, Weekends, scheduled school holidays are available for full time and night work access.
 - c. Contractor shall coordinate work around other school requirements, such as state testing dates and times and special events. The school district will provide a calendar of events

- d. Concerning work in area #2 High School Toilets, work hours are limited to Summer Recess, starting May 26th.
- B. Existing Utility Interruptions: Do not interrupt utilities serving facilities occupied by Owner or others unless permitted under the following conditions and then only after providing temporary utility services according to requirements indicated:
 1. Notify Owner not less than two days in advance of proposed utility interruptions.
 2. Obtain Owner's written permission before proceeding with utility interruptions.
 - C. Noise, Vibration, Dust, and Odors: Coordinate operations that may result in high levels of noise and vibration, dust, odors, or other disruption to Owner occupancy with Owner.
 1. Notify Owner not less than two days in advance of proposed disruptive operations.
 2. Obtain Owner's written permission before proceeding with disruptive operations.
 - D. Smoking and Controlled Substance Restrictions: Use of tobacco products , alcoholic beverages, and other controlled substances on Owner's property is not permitted.
 - E. Employee Identification: Provide identification tags for Contractor personnel working on Project site. Require personnel to use identification tags at all times.
 - F. Employee Screening: Comply with Owner's requirements for drug and background screening of Contractor personnel working on Project site.
 1. Maintain list of approved screened personnel with Owner's representative.

1.9 SPECIFICATION AND DRAWING CONVENTIONS

- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
 1. Imperative mood and streamlined language are generally used in the Specifications. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.
 2. Text Color: Text used in the Specifications, including units of measure, manufacturer and product names, and other text may appear in multiple colors or underlined as part of a hyperlink; no emphasis is implied by text with these characteristics.
 3. Hypertext: Text used in the Specifications may contain hyperlinks. Hyperlinks may allow for access to linked information that is not residing in the Specifications. Unless otherwise indicated, linked information is not part of the Contract Documents.
 4. Specification requirements are to be performed by Contractor unless specifically stated otherwise.
- B. Division 00 Contracting Requirements: General provisions of the Contract, including General and Supplementary Conditions, apply to all Sections of the Specifications.
- C. Division 01 General Requirements: Requirements of Sections in Division 01 apply to the Work of all Sections in the Specifications.

DJB 21064

Addendum One
Pontotoc City Schools
ESSER 2 & 3
Pontotoc, Mississippi

3 December 2021

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION (Not Used)

END OF SECTION 011000

SECTION 012300 - ALTERNATES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for alternates.

1.2 DEFINITIONS

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

1.3 PROCEDURES

- A. Coordination: Revise or adjust affected adjacent work as necessary to completely integrate work of the alternate into Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not indicated as part of alternate.
- B. Execute accepted alternates under the same conditions as other work of the Contract.
- C. Schedule: A schedule of alternates is included at the end of this Section. Specification Sections referenced in schedule contain requirements for materials necessary to achieve the work described under each alternate.

PART 2 - PRODUCTS (Not Used)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 01 : Relocation of Power Pole at Junior High School .

1. Alternate Option A: Provide all work necessary to relocate existing power pole approximately 12 ft northeast along overhead wire line out of new construction area.
2. Alternate Option B: Provide all work necessary to relocate existing power pole approximately 38 ft southwest along existing overhead wire line out of new construction area.

END OF SECTION 012300

**SECTION 028213
ASBESTOS ABATEMENT
PONTOTOC CITY SCHOOL DISTRICT
PONTOTOC, MS
PROJECT DESIGNER: WILLIE J. NESTER, P. E.
PROJECT DESIGNER NO. APB-00002090**

1.1 Contractor Requirements

- A. The Asbestos Abatement Contractor (AAC) shall be licensed by the State of Mississippi as an Asbestos Abatement Contractor.
- B. The AAC must be covered by asbestos specific liability insurance in the minimum amount of \$1,000,000. The Contractor shall present documentation that this coverage has been obtained.

1.2 Scope of Work

- A. This specification covers the abatement of exposure to asbestos hazards from building structures and components listed in B.
- B. This project covers the entire removal and appropriate disposition of the specified asbestos containing materials (ACM) in the Gymnasium at the Pontotoc Jr. High School and the Auditorium at the Pontotoc Middle School. The approximate locations are shown on drawings AS-1 and AS-2. The following ACMs are to be abated under this project:

Pontotoc Jr. High School - Gymnasium

- 1. The AAC shall remove and dispose of all floor tile and mastic in the lobby, dressing rooms and band hall. See Drawing AS-1 for locations. Remove all wall base in these areas.

Pontotoc Middle School – Auditorium

- 1. The AAC shall remove and dispose, as ACM, of all floor tile and mastic in the lobby, dressing rooms and band hall. See Drawing AS-2 for locations. Remove all wall base in these area
- 2. The AAC shall remove and dispose of as ACM the caulking around the upper-level windows on the auditorium. Windows are to remain for others to remove for rehabilitation.
- 3. The AAC shall remove and dispose of the exterior pipe insulation going into the front of the building as shown on drawing AS-2. The AAC shall use glove bags to remove this ACM or wrap the entire pipe and removed entire pipe as one component.

- C. Estimated Quantities

The following asbestos containing materials are to be removed and disposed of as asbestos containing materials. The following estimates are not to be considered as absolute. **The AAC must make his own determination of the quantities of ACM listed in the scope of work to be removed and disposed of under this specification.**

Pontotoc Jr. High Gymnasium	
Floor tiles and mastic	5,200 SQFT
Pontotoc Middle School - Auditorium	
Floor tiles and mastic	4,600 SQFT
Window caulk (12 windows)	240 LNFT
Pipe insulation	20 LNFT

D. Schedule

The AAC shall coordinate his work with the general contractor on this project.

1.3 Description of Work

- A. The work specified herein shall be the removal of asbestos containing materials by competent persons trained, knowledgeable and qualified in the techniques of abatement, handling and disposal of asbestos-containing and asbestos-contaminated materials and the subsequent cleaning of contaminated areas, who comply with applicable Federal, State, and Local regulations and are capable of and willing to perform the work of this Contract.
- B. The AAC will be responsible for furnishing proof to the Project Designer and the Building Owner that the ACM removed as a part of this contract has been in fact disposed of and handled at the disposal site in conformance with 40 CFR 763 Appendix D to Subpart E.
- C. The AAC shall supply all labor, materials services, insurance, permits and equipment necessary to carry out the work in accordance with all applicable Federal, State and Local regulations and these specifications.
- D. The AAC is responsible for restoring the work area and auxiliary areas utilized during the abatement to conditions equal to or better than original. Any damages caused during the performance of abatement activities shall be repaired by the AAC (e.g. paint peeled off by barrier tape, nail holes, water damage, broken glass, damage to building exterior or grounds) at no additional expense to the Building Owner.
- E. The owner is responsible for moving furniture and other lightweight items from the buildings prior to the abatement. Fixed items such as cabinets, attached shelves, etc. may remain and will be the responsibility of the AAC to move if necessary to abate all the ACM.

1.4 Applicable Standards and Guidelines

A. General Requirements

1. All work under this Contract shall be done in strict accordance with all applicable Federal, State and Local regulations, standards and codes governing asbestos abatement and any other trade work done in conjunction with the abatement.
2. The most recent edition of any relevant regulation, standard, document or code shall be in effect. Where conflict among the requirements or with these specifications exists, the most stringent requirements shall be utilized.
3. Copies of all standards, regulations, codes and other applicable documents, including this specification and those listed in Section 1.5.2 shall be available at the worksite in the clean change area of the worker decontamination system.

B. Specific requirements

1. Occupational Safety and Health Administration (OSHA)
 - a. Title 29 Code of Federal Regulations Section 1910.1001 - General Industry Standard for Asbestos.
 - b. Title 29 Code of Federal Regulations Section 1910.134 - General Industry Standard for Respiratory Protection.
 - c. Title 29 Code of Federal Regulations Section 1926 - Construction Industry.
 - d. Title 29 Code of Federal Regulations Section 1910.2 - Access to Employee Exposure and Medical Records.
 - e. Title 29 Code of Federal Regulations Section 1910.1200 - Hazard Communication
2. Environmental Protection Agency (EPA)
 - a. Title 40 Code of Federal Regulations Section 61 Subparts A and M (Revised Subpart B) - National Emission Standard For Asbestos
3. These specifications and any applicable drawings in their entirety, are to be a part of any subcontract let by the General Contractor on this project. The General Contractor will be held responsible for the whole actions by any of his subcontractors or their employees. All sections and provisions of this specification and any drawings that are a part of this specification are to be adhered to by any subcontractor on this project. The General Contractor will be responsible for supervising his subcontractors.

1.5 Submittals and Notices

- A. AAC shall Submit to the Architect and asbestos project designer:
1. Prior to Commencement of Work:
 - a. The AAC shall send notification in accordance with 40 CFR Part 61.146 of Subpart M, to the appropriate State or Federal air pollution control agency responsible for the enforcement of the National Emission Standard for Asbestos at least ten (10) days prior to the commencement of any on-site project activity. Provide Project Designer with a copy of the notice.
 - b. Obtain and submit a copy of the letter from the landfill stating that it is qualified to dispose of asbestos containing material.
 - c. Submit documentation satisfactory to the Building Owner and Project Designer that the AAC's employees, including foreman, supervisors and any other company personnel or agents who may be exposed to airborne asbestos fibers or who may be responsible for any aspects of abatement activities, have received the appropriate certificates from the Mississippi Department of Environmental Quality.
 - D. Information on AAC's air monitoring firm for approval.
 - e. Maintain "ON SITE" and available for inspection at any time by authorized persons copies of all Accreditation Certificates for each and every person working on this Project, for which accreditation is required.
2. Upon completion of Abatement Work
- a. Submit job progress reports detailing abatement activities. Include review of progress with respect to previously established milestones and schedules, major problems and action taken, injury reports, equipment breakdown and bulk material and air sampling results conducted by AAC's Air Sampling Professional.
 - b. Submit copies of all transport manifests, trip tickets and disposal receipts for all asbestos waste materials removed from the work area during the abatement process.
 - c. Submit copies of worksite entry logbooks with information on worker and visitor access.

1.6 Site Security

- A. The work area is to be restricted only to authorized, trained and protected personnel. These may include the AAC's employees, employees of Subcontractors,

Owner employees and representatives, State and Local inspectors and any other designated individuals. A list of authorized personnel shall be established prior to job start and posted in the clean room of the worker decontamination facility.

- B. Entry into the work area by unauthorized individuals shall be reported immediately to the Building Owner by the AAC.
- C. A logbook shall be maintained in the clean room area of the worker decontamination system. Anyone who enters the work area must record name, affiliation, time in, and time out for each entry.
- D. Access to the work area shall be through a single worker decontamination system. All other means of access (doors, windows, hallways, etc.) shall be blocked or locked so as to prevent entry to or exit from the work area. The only exceptions for this rule are the waste pass-out airlock which shall be sealed except during the removal of containerized asbestos waste from the work area, and emergency exits in case of fire or accident. Emergency exits shall not be locked from the inside, however, they shall be sealed with polyethylene sheeting and tape until needed.
- E. AAC should have control of site security during abatement operations whenever possible, in order to protect work efforts and equipment.
- F. AAC will have Owner's assistance in notifying building occupants of impending activity and enforcement of restricted access by Owner's employees and other potential occupants.

PART 2

2.1 Materials

- A. General (all abatement projects)
 - 1. Deliver all materials in the original packages, containers or bundles bearing the name of the manufacturer and the brand name (where applicable).
 - 2. Store all materials subject to damage off the ground, away from wet or damp surfaces and under cover sufficient enough to prevent damage or contamination.
 - 3. Damaged, deteriorating or previously used materials shall not be used and shall be removed from the worksite and disposed of properly.
 - 4. Polyethylene sheeting will only be required for critical barriers and splash guards around the base of the wall where mastic is removed except in the 2nd floor boiler room, which will require a full containment.
 - 5. The AAC shall determine the method of attaching polyethylene sheeting to walls, where required. The manner in which polyethylene sheeting is to be supported shall be selected to minimize damage to equipment and surfaces.
 - 6. Polyethylene sheeting utilized for worker decontamination enclosure shall be

opaque white or black in color.

7. Disposal bags shall be of 6-mil polyethylene, pre-printed with labels as required by EPA regulation 40 CFR 61.152 (b) (i) (iv) or OSHA requirement 29 CFR 1910.1001 (g) (2) (ii). Disposal bags will be "TRANSLUCENT" or "CLEAR", **OPAQUE bags not approved.**
8. Disposal drums shall be metal or fiberboard with locking ring tops.
9. Stick-on labels as per EPA or OSHA requirement for disposal drums.
10. Warning signs as required by OSHA 29 CFR 1910 et al, August 10, 1994.

B. Removal

1. Surfactant (wetting agent) shall be a 50/50 mixture of polyoxyethylene ether and polyoxyethylene ester, or equivalent, mixed in a proportion of 1 fluid ounce to 5 gallons of water or as specified by manufacturer. (An equivalent surfactant shall be understood to mean a material with a surface tension of 29 dynes/cm as tested in its properly mixed concentration, using ASTM method D1331-56 - "Surface and Interfacial Tension of Solutions of Surface Active Agents.") Where work area temperature may cause freezing of the amended water solution, the addition of ethylene glycol in amounts sufficient to prevent freezing is permitted.
2. The AAC will submit encapsulating agent to be applied to surface from which asbestos containing material has been stripped to the Project Designer for approval. The AAC will have conducted the necessary tests to prove the adhesion of the material as it is applied to the encapsulated substrate. It is the responsibility of this AAC to insure that the encapsulating material will adhere to the substrate with no detrimental action to said substrate. This AAC is to guarantee the adherence for at least five (5) years after completion of this contract.

2.2 Equipment

A. General (all abatement projects)

1. A sufficient quantity of negative pressure ventilation units equipped with HEPA filtration and operated in accordance with ANSI 29.2-79 (local exhaust ventilation requirements) and EPA guidance document EPA 560/5-83-002 Guidance for Controlling Friable Asbestos-Containing Materials in Buildings Appendix F: Recommended Specifications and Operating Procedures for the Use of Negative Pressure Systems for Asbestos Abatement shall be utilized so as to provide four (4) workplace air changes every hour.
2. Spectacle kits and eyeglasses must be provided for employees who wear glasses and who must wear full facepiece respirators. Respirators shall be provided that have been tested and approved by the National Institute of Occupation Safety and Health for use in asbestos contaminated atmospheres.

3. Full body disposable protective clothing, including head, body and foot coverings consisting of material impenetrable by asbestos fibers ("Tyvek" or equivalent) shall be provided to all workers and authorized visitors in sizes adequate to accommodate movement without tearing.
4. Additional safety equipment (e.g. hard hats meeting the requirements of ANSI Standard Z89.1-1981, eye protection meeting the requirements of ANSI Standard Z87.1-1979, safety shoes meeting the requirements of ANSI Z41.1-1967, disposable PVC gloves), as necessary, shall be provided to all workers and authorized visitors.
5. Non-skid footwear shall be provided to all abatement workers. Disposable clothing shall be adequately sealed to the footwear to prevent body contamination.
6. A sufficient supply of disposable mops, rags and sponges for work area decontamination shall be available.

B. Removal

1. A sufficient supply of scaffolds, ladders, lifts and hand tools (e.g. scrapers, wire cutters, brushes, utility knives, wire saws, etc.) shall be provided as needed.
2. Sprayers with pumps capable of providing 500 pounds per square inch (psi) at the nozzle tip at a flow rate of two (2) gallons per minute for spraying amended water.
3. Rubber dustpans and rubber squeegees shall be provided for cleanup.
4. Brushes utilized for removing loose asbestos containing material shall have nylon or fiber bristles, not metal.
5. A sufficient supply of HEPA filtered vacuum systems shall be available during cleanup.

C. Encapsulation

1. Encapsulant shall be sprayed using airless spray equipment. Nozzle pressure should be adjustable within the 400 to 1500 psi range. (This can be specified depending on the encapsulant's viscosity and solids content. Tip size shall also be specified based on manufacturer's recommendations.)
2. The nature of the encapsulant may affect the requirements for respiratory protection. Vapors that may be given off during encapsulant application must be taken into account when selecting respirators, if types other than air supplied are used.

2.3 Substitutions

A. Approval Required:

1. The Contract is based on the materials, equipment and methods described in the Contract Documents.
2. Do not substitute materials, equipment or methods unless such substitution has been specifically approved for this work by the Project Designer.

C. Availability of specified items:

1. Verify prior to bidding that all specified items will be available in time of installation during orderly and timely progress of the work.
2. Costs of delays because of non-availability of specified items, when such delays could have been avoided by the AAC, will be back-charged as necessary and shall not be borne by the Owner.

PART 3

3.1 Execution

A. Work Areas

1. Post caution signs meeting the specifications of OSHA 29 CFR 1910 et al at any location and approaches to a location where airborne concentrations of asbestos may exceed ambient background levels. Signs shall be posted at a distance sufficiently far enough away from the work area to permit an employee to read the sign and take the necessary protective measures to avoid exposure. Additional signs may need to be posted following construction of workplace enclosure barriers.
2. Provide necessary electric power and access to the electric breakers and switch gear in this work area. Provide temporary power and lighting. Insure safe installation (including ground faulting) of temporary power sources and equipment by compliance with all applicable electrical code requirements and OSHA requirements for temporary electrical systems. If electrical power is unavailable, the AAC shall provide generators for electrical power. The AAC must allow the air monitoring firm use of his generators to perform air monitoring during and after the abatement work.
6. Seal off all windows, doorways, elevator openings, corridor entrances, drains, ducts, grilles, grates, diffusers, skylights and any other openings between the work area and uncontaminated areas outside of the work area (including the outside of the building, tunnels and crawl spaces) with 4-mil polyethylene sheeting and tape. (See Section 3.1.4 - Isolating work area from occupied areas)
7. If electrical power is unavailable, the AAC shall provide generators for electrical power. The AAC must allow the air monitoring firm use of his generators to perform air monitoring during and after the abatement work.

B. Worker decontamination enclosure systems

1. Worker decontamination enclosure systems shall be provided at all locations where workers will enter or exit the work area. One system at a single location for each contained work over is preferred. These systems may consist of existing rooms outside of the work area, if the layout is appropriate, that can be enclosed in plastic sheeting and are accessible from the work area. When this situation does not exist, enclosure systems may be constructed out of metal, wood or plastic support as appropriate.
2. Worker decontamination enclosure systems constructed at the worksite shall utilize 6-mil opaque black or white polyethylene sheeting or other acceptable materials for privacy.
3. The worker decontamination enclosure system for areas with friable asbestos shall consist of at least a clean room, a shower room, and an equipment room, each separated from each other and from the work area by airlocks.
4. Entry to and exit from all airlocks and decontamination enclosure system chambers shall be through curtained doorways consisting of two (2) sheets of overlapping polyethylene sheeting. One sheet shall be secured at the top and left side, the other sheet at the top and right side.
5. Access between any two (2) rooms in the decontamination enclosure system shall be through an airlock with at least three (3) feet separating each curtained doorway. Pathways into (from clean to contaminated) and out from (contaminated to clean) the work area shall be clearly designated.
6. Clean room shall be sized to adequately accommodate the work crew. Benches shall be provided as well as hooks for hanging up street clothes. (Lockers may be provided for valuables, however, workers may be requested to secure valuables in their cars.)
7. Shower room, where required, shall contain one or more showers as necessary to adequately accommodate workers. Each showerhead shall be supplied with hot and cold water adjustable at the tap. The shower enclosure shall be constructed to insure against leakage of any kind. An adequate amount of soap, shampoo and towels shall be supplied by the AAC and available at all times. Shower water shall be drained, collected and filtered through a system with at least five (5) micron particle size collection capability. (Note: Shower rooms will not be required for removal of non-friable, NESHAP Category I material.)
8. The equipment room shall be used for storage of equipment and tools at the end of a shift after they have been decontaminated using a HEPA filtered vacuum and/or wet cleaning techniques as appropriate. Replacement filters (in sealed containers until used) for HEPA vacuums and negative pressure ventilation equipment, extra tools, containers of surfactant and other materials and equipment that may be required during the abatement may also be stored here as needed.

- C. Isolation of the work area from occupied areas of the building.
 - 1. The contaminated work area shall be separated from uncontaminated, occupied areas of the building by the construction of air tight barriers.
 - 2. Make-up air shall be filtered, where necessary, to prevent migration of construction debris into the work area.

- D. Commencement of work shall not occur until:
 - 1. Enclosure systems have been constructed and tested.
 - 2. Negative pressure ventilation systems are functioning adequately.
 - 3. All pre-abatement submissions, notifications, postings and permits have been provided and are satisfactory to the Building Owner and Project Designer (See Section 1.5).
 - 4. All equipment for abatement, clean-up and disposal are on hand.
 - 5. All worker training (and certification) is completed.
 - 6. AAC receives written permission from Building Owner to commence abatement.

3.2 Workplace Entry and Exit Procedures

- A. Personnel entry and exit
 - 1. All workers and authorized personnel shall enter the work area through the worker change.
 - 2. All personnel who enter the work area must sign the entry log, located in the clean room, upon entry and exit.
 - 3. All personnel shall proceed first to the clean room, remove all street clothes and appropriately don respiratory protection (as deemed adequate for the job conditions) launderable and/or disposable coveralls, head covering and foot covering. Hard hats, eye protection and gloves shall also be utilized if required. Clean respirators and protective clothing shall be provided and utilized by each person for each separate entry into the work area.
 - 4. Personnel wearing designated personal protective equipment shall proceed from the clean room through the shower room, if required, and equipment room to the main work area.
 - 5. Before leaving the work area all personnel shall remove gross contamination from the outside of respirators and protective clothing by brushing and/or wet wiping procedures. Each person shall clean bottoms of protective footwear in the walk-off pan just prior to entering the equipment room.
 - 6. Personnel shall proceed to equipment room where they remove all protective equipment except respirators. Deposit disposable (and launderable) clothing into

appropriately labeled containers for disposal (and laundering.)

7. Reusable, contaminated footwear shall be stored in the equipment room when not in use in the work area. Upon completion of abatement it shall be disposed of as asbestos contaminated water. (Rubber boots may be decontaminated at the completion of the abatement for reuse.)

3.3 Removal Procedures

- A. Clean and isolate the work area in accordance with Section 3.1.
- B. Wet all asbestos containing material with an amended water solution using equipment capable of providing a fine spray mist, in order to reduce airborne fiber concentrations when the material is disturbed. Saturate the material to the substrate, however, do not allow excessive water to accumulate in the work area. Keep all removed material wet enough to prevent fiber release until it can be containerized for disposal.
- C. Saturated asbestos containing material shall be removed in manageable sections. Removed material should be containerized before moving to a new location for continuance of work. Surrounding areas shall be periodically sprayed and maintained in a wet condition until visible material is cleaned up.
- D. Material removed from building structures or components shall not be dropped or thrown to the floor. Material should be removed as intact sections or components whenever possible and carefully lowered to the floor. For materials between 15 and 50 feet above the ground they may be containerized at elevated levels or dropped onto inclined chutes or scaffolding for subsequent collection and containerization.
- E. Containers (6-mil polyethylene bags or drums) shall be sealed when full. Wet material can be exceedingly heavy. Double bagging of waste material is required. Bags shall not be overfilled. They should be securely sealed to prevent accidental opening and leakage by tying tops of bags in an overhand knot or by taping in gooseneck fashion. Do not seal bags with wire or cord.
- F. Large components removed intact maybe wrapped in two (2) layers of 6-mil polyethylene sheeting secured with tape for transport to the landfill.
- G. Asbestos containing waste with sharp-edged components (e.g. nails, screws, metal lathe, tin sheeting) which would tear the polyethylene bags and sheeting shall be placed into drums for disposal.
- H. Clean-up shall proceed in accordance with Section 3.5.
- I. After the work area has been rendered free of visible residues, a thin coat of a satisfactory encapsulating agent shall be applied to all surfaces in the work area including structural members, building components and plastic sheeting on walls, floors and covering non-removable items, to seal in non-visible residue.

3.4 Clearance Air Monitoring

- A. Aggressive sampling shall be performed with portable fans circulating air in the work

area to simulate actual use conditions. Negative pressure ventilation units shall not be de-energized during this period.

- B. The average concentrations of airborne fibers shall be less than 70 structures per sq.mm for TEM clearance and less than 0.01 fibers/cc for PCM Clearance release of the work area. The clearance test for this project shall be TEM type testing. The owner will provide four (4) TEM clearances. If the AAC requires more than four clearance due to the number of containments exceeding four containments, the AAC have pay for the additional clearances. The AAC is to have at least two areas ready for clearances at the same time.
- C. Areas exceeding this level shall be re-cleaned using procedures in Section 3.5 and re-tested until satisfactory levels are obtained. If the AAC fails a clearance test, then the AAC will be responsible for the cost of all subsequence clearance test required to clear the abatement area. PCM cassettes that are overloaded with dust and debris to the extent that the samples are unreadable shall be considered to have failed.

3.5 Disposal Procedures

- A. As the work progresses, to prevent exceeding available storage capacity on-site, sealed and labeled containers of asbestos containing waste shall be removed and transported to the prearranged disposal location.
- B. Disposal must occur at an authorized site in accordance with regulatory requirements of NESHAP and applicable State and Local guidelines and regulations.
- C. All dump receipts, trip tickets, transportation manifests or other documentation of disposal shall be delivered to the Building Owner for his records. A recommended record keeping format utilizes a chain-of- custody form which includes the names and addresses of the Generator (Building Owner), AAC, pickup site, and disposal site, the estimated quantity of the asbestos waste and the type of containers used. The form should be signed by the Generator, the AAC, and the Disposal Site Operator, as the responsibility for the material changes hands. If a separate hauler is employed, his name, address, telephone number and signature should also appear on the form.

3.6 Reestablishment of the Work Area and Systems

- A. Reestablishment of the work area shall only occur following the completion of clean-up procedures and after clearance air monitoring has been performed and documented to the satisfaction of the Building Owner.
- B. Polyethylene barriers shall be removed from walls and floors at this time, maintaining decontamination enclosure systems and barriers over doors, windows, etc., as required.
- C. The AAC shall visually inspect the work area for any remaining visible residue. Evidence of contamination will necessitate additional cleaning requirements in accordance with Section 3.5.

- D. Additional air monitoring shall be performed in accordance with Section 3.6 if additional clean-up is necessary.
- E. Following satisfactory clearance of the work area, remaining polyethylene barriers may be removed and disposed of as asbestos contaminated waste.

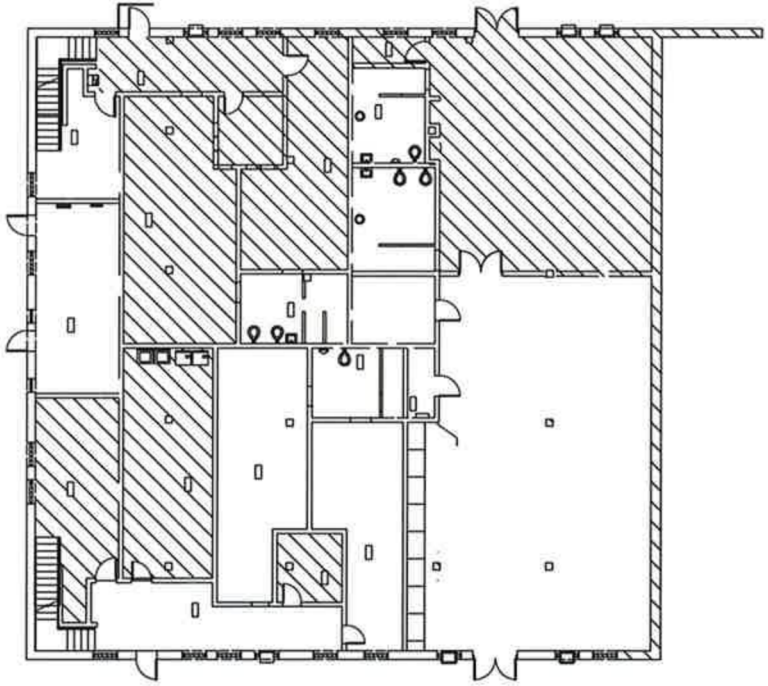
3.7 Air Sampling Professional (ASP)

- A. The AAC shall engage the services of an independent Air Sampling Professional to conduct Air sampling procedures in accordance with all pertinent OSHA, EPA, NIOSH or other regulations. The project designer must approve the air monitoring firm prior to the start of the abatement work.
- B. The AAC's ASP shall conduct air sampling in accordance with the NIOSH Standard Analytical Method for Asbestos in Air P&CAM 239 and/or Method 7400 or other acceptable methods as otherwise agreed upon. A minimum of two inside area samples and two outside area samples shall be collected each day the abatement work is in progress.
- C. The AAC's ASP shall be experienced and knowledgeable about the methods for asbestos air sampling and be able to select representative numbers and locations of samples.
- D. The AAC's ASP shall have adequate liability insurance to protect against errors and omissions in the performance of support activities.

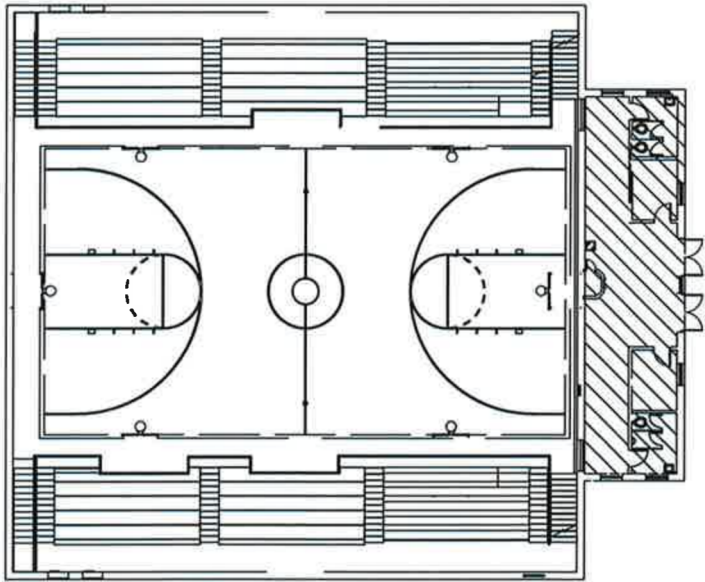
3.8 Personnel Management

- A. The AAC shall exercise complete control over all actions of his employees while on the project site or while off site from the start of work to completion of the entire project.

Lower Level



Upper Level



LEGEND



- Location of ACM Floor Tile and Mastic to be abated

AS-1

DESCRIPTION
Abatement Location

SHEET NUMBER

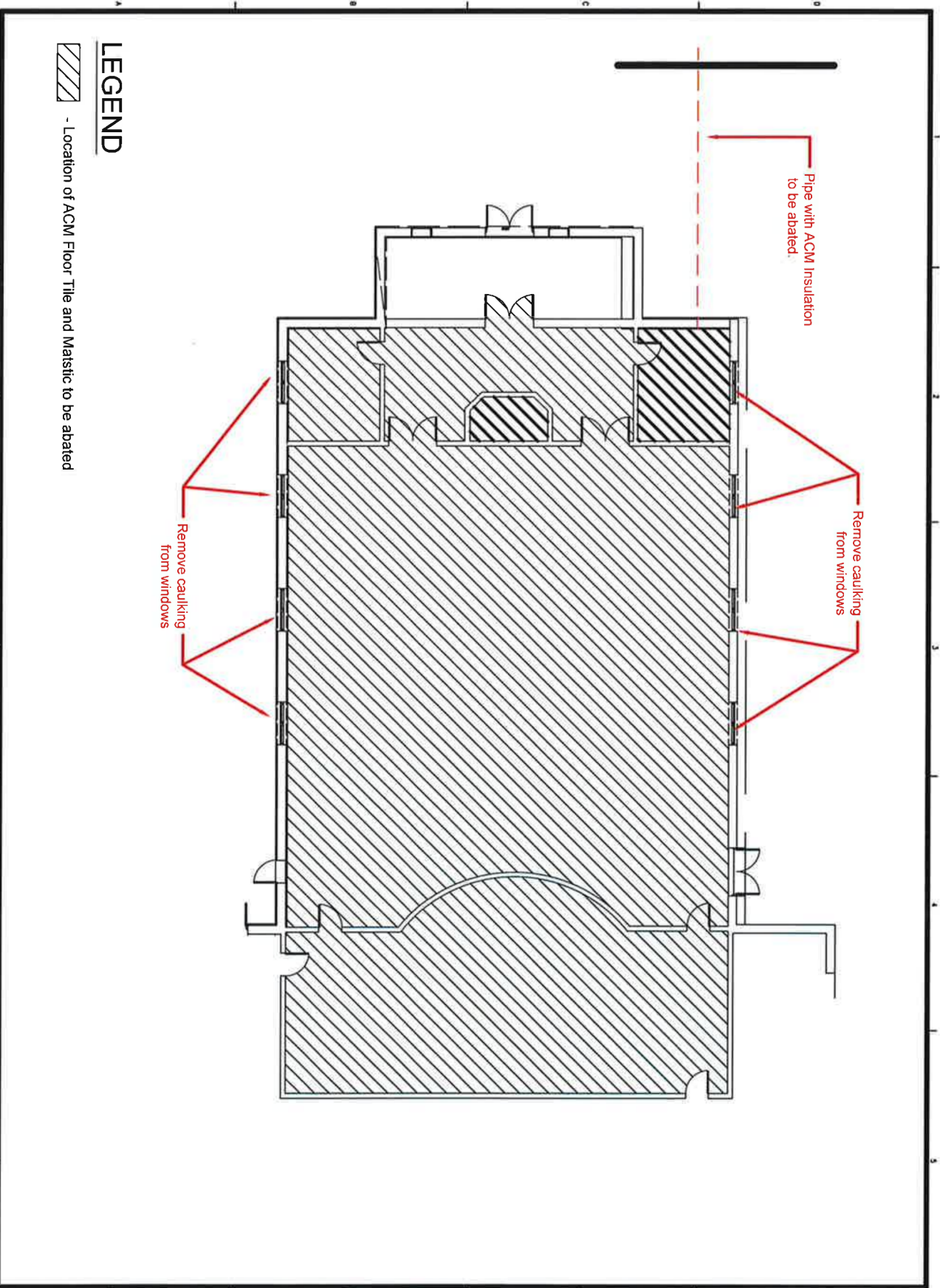
SCALE

Pontotoc Junior High
Pontotoc City School District
Pontotoc, MS




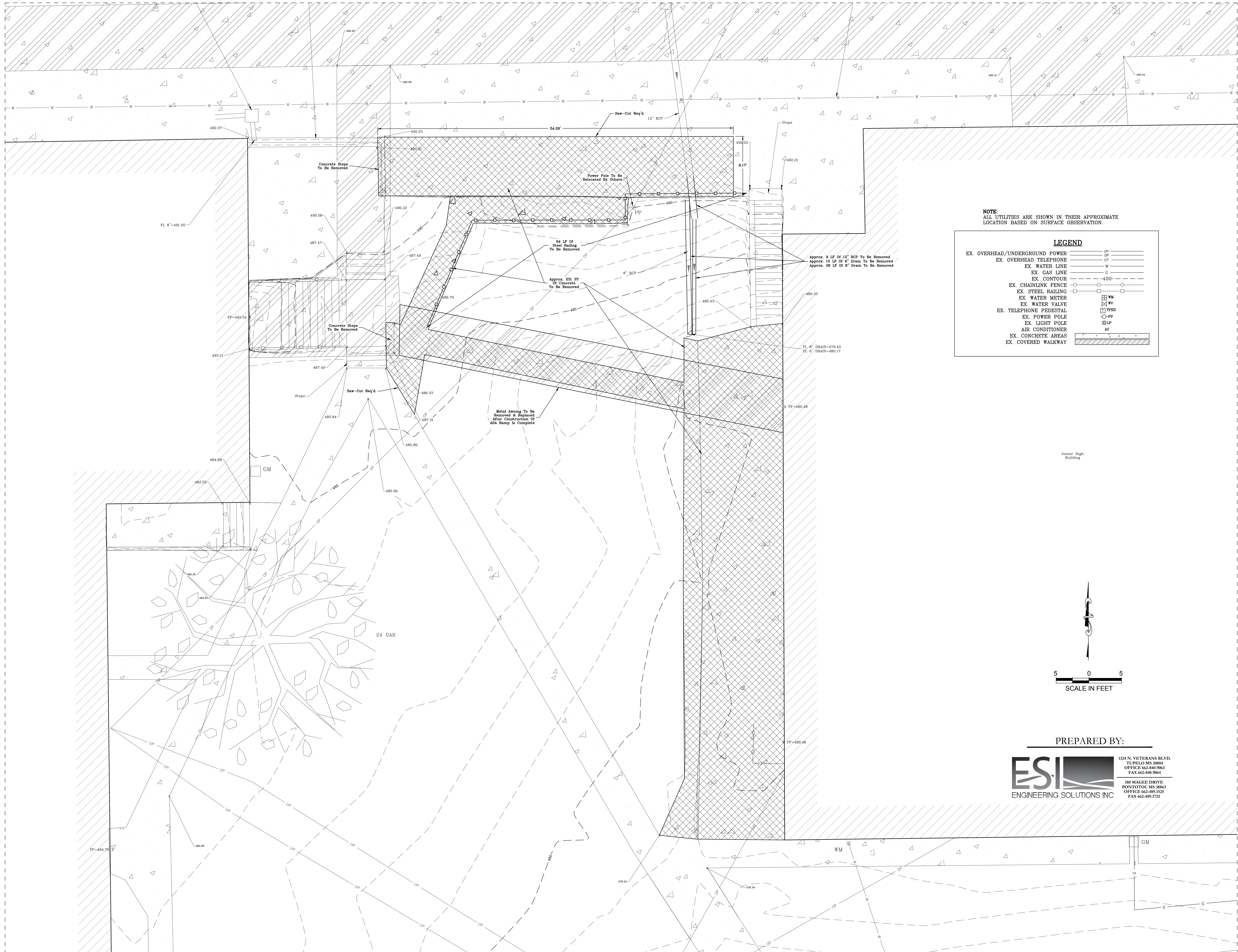
Pickering Firm, Inc.
Flooring • Case • Installation • Consulting
1000 Highway 100 • Memphis, TN 38117
248-494-4444
Pickering MS, Inc.
400-888-4444

PROJECT #:	26078.01
DATE:	Nov 2021
DRAWN BY:	JM
DESIGNED BY:	JM
CHECKED BY:	WM



LEGEND
 - Location of ACM Floor Tile and Mastic to be abated

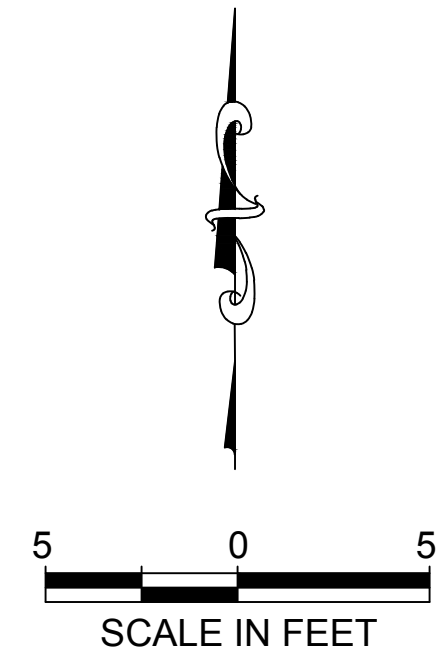
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NOTE:
ALL UTILITIES ARE SHOWN IN THEIR APPROXIMATE
LOCATION BASED ON SURFACE OBSERVATION.

LEGEND	
EX. OVERHEAD/UNDERGROUND POWER	UP
EX. OVERHEAD TELEPHONE	OT
EX. WATER LINE	W
EX. GAS LINE	G
EX. CONTOUR	-400-
EX. CHAINLINK FENCE	□
EX. STEEL RAILING	WM
EX. WATER METER	WM
EX. WATER VALVE	WV
EX. TELEPHONE PEDESTAL	TPED
EX. POWER POLE	PP
EX. LIGHT POLE	LP
EX. AIR CONDITIONER	AC
EX. CONCRETE AREAS	▨
EX. COVERED WALKWAY	▩

Junior High Building



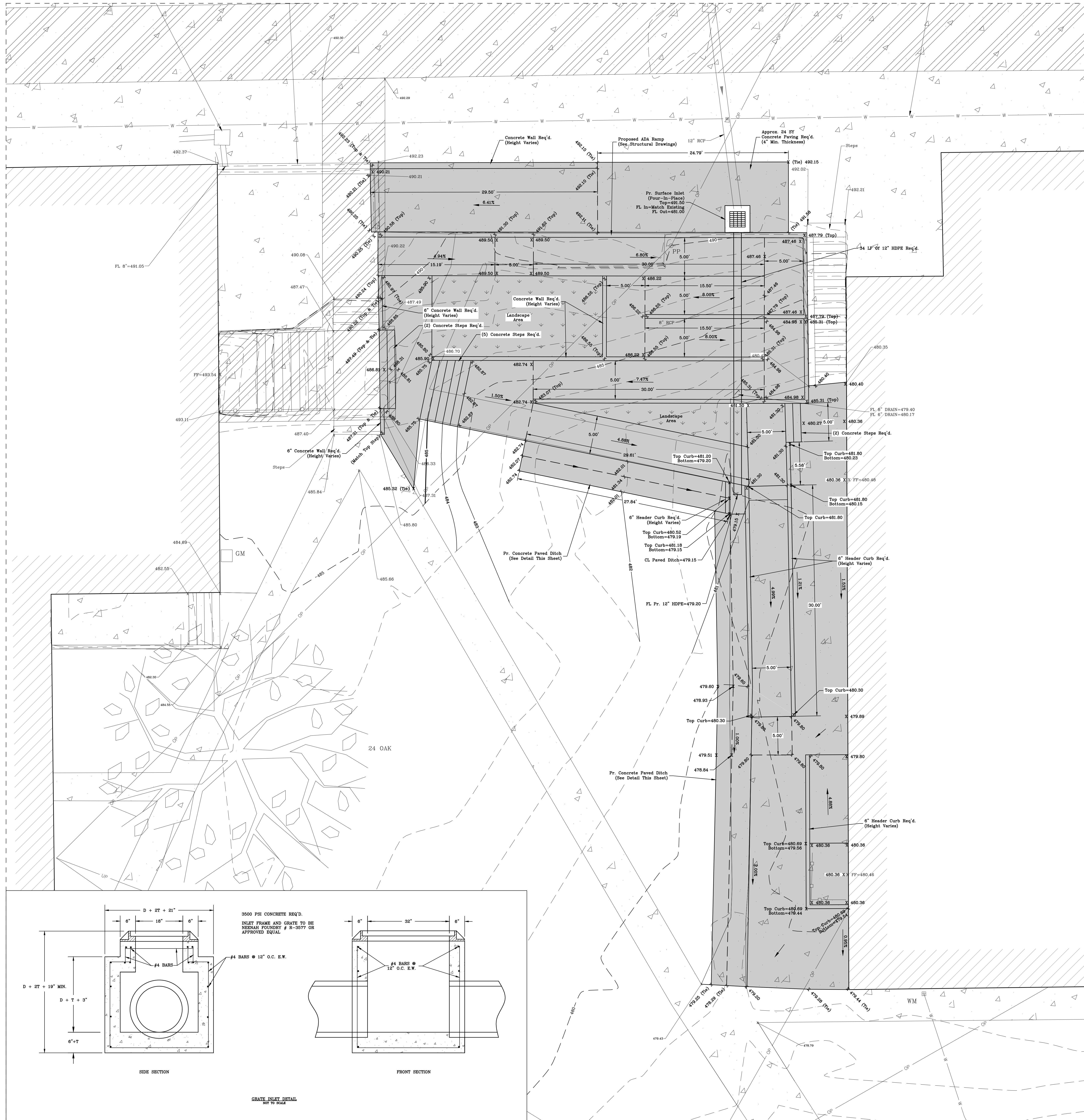
PREPARED BY:
ESI
ENGINEERING SOLUTIONS INC.
1324 N. VETERANS BLVD.
TUPELO MS 38804
OFFICE: 662-840-9063
FAX: 662-840-9064
180 MAGEE DRIVE
PONTOTOC MS 38863
OFFICE: 662-489-1525
FAX: 662-489-1725

Pontotoc City Schools ESSR 2&3
PCS Junior High School: 132 N Main St, Pontotoc, MS 38863

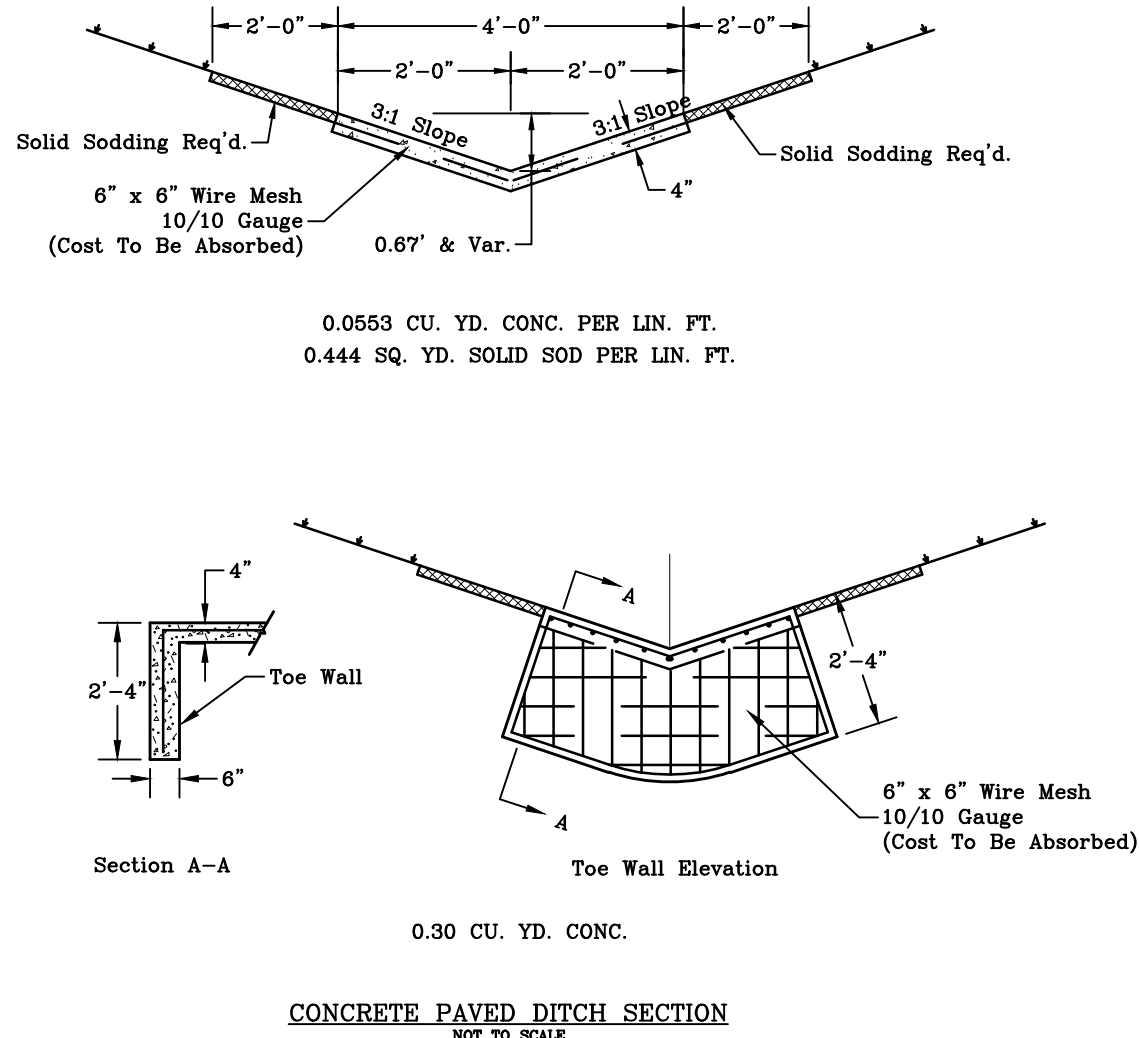
Construction Documents

Project No	Date
SD	09/14/2021
DD	09/22/2021
CD	11/05/2021

ADDENDUM 1
C.1-01
DEMOLITION PLAN

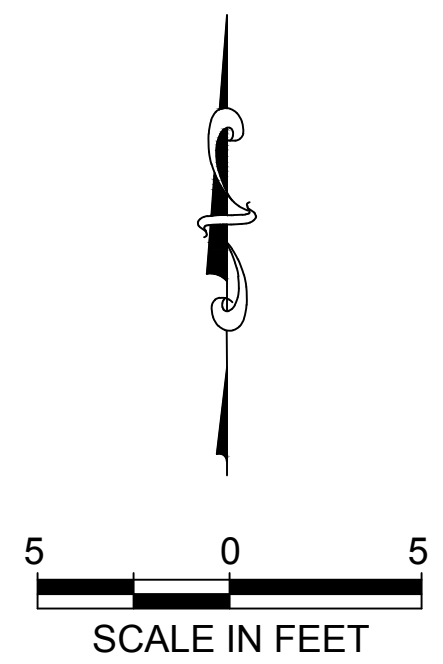


- NOTES:**
- 1) ALL ELEVATIONS ARE FINISHED GRADE ELEVATIONS.
 - 2) ALL NECESSARY EROSION CONTROL BEST MANAGEMENT PRACTICES ARE TO BE MAINTAINED AS REQUIRED BY THE MDEQ UNDER THE SMALL CONSTRUCTION (<5 ACRES) GUIDELINES.
 - 3) CONTRACTOR IS RESPONSIBLE FOR KEEPING ENTRANCE TO CONSTRUCTION SITES MAINTAINED AND SHAPED DURING AND POST CONSTRUCTION.
 - 4) IN THE EVENT OF A DISCREPANCY BETWEEN THE WRITTEN BOOK OF SPECIFICATIONS AND THESE NOTES, THE MORE STRINGENT CONDITION SHALL GOVERN.
 - 5) ENGINEER MUST APPROVE ALL MATERIALS PRIOR TO INSTALLATION.
 - 6) ALL UTILITIES ARE SHOWN IN THEIR APPROXIMATE LOCATION BASED ON SURFACE OBSERVATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.

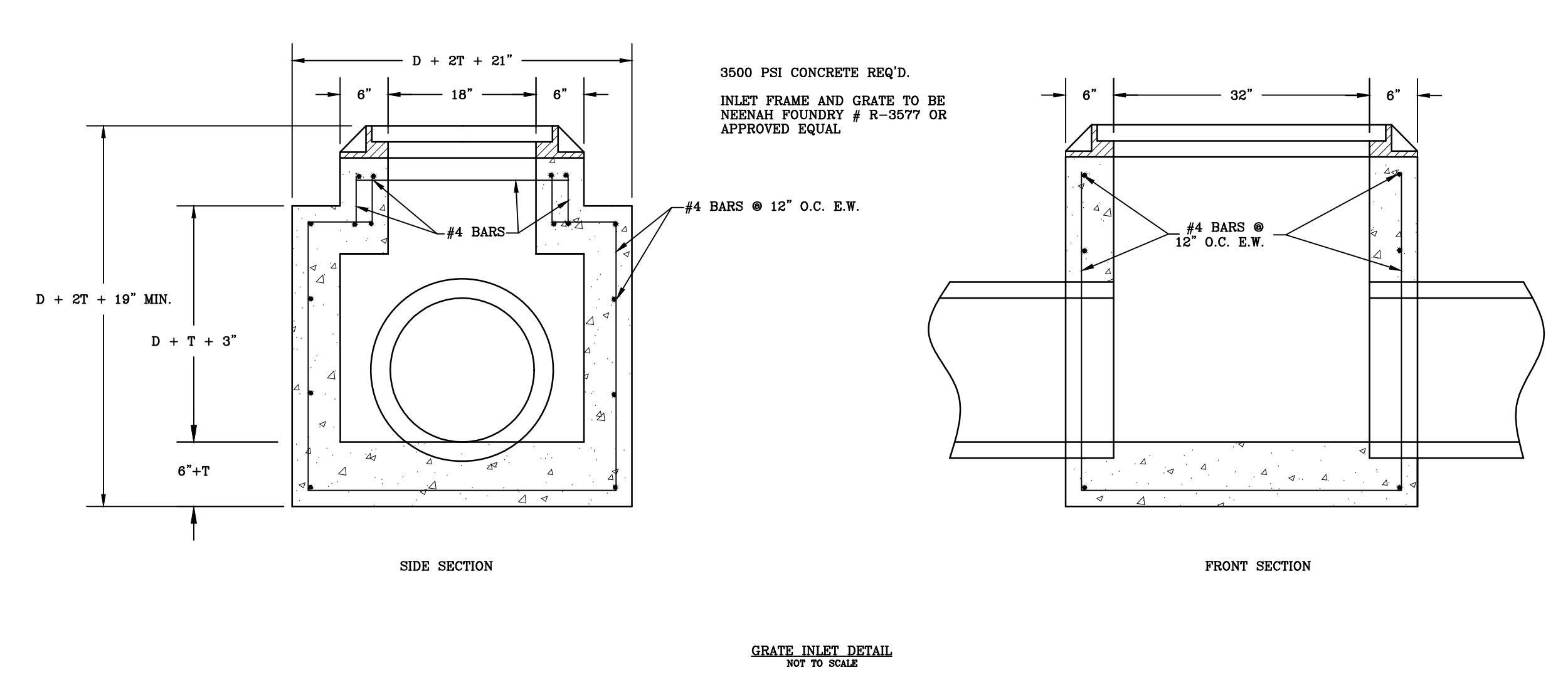


LEGEND

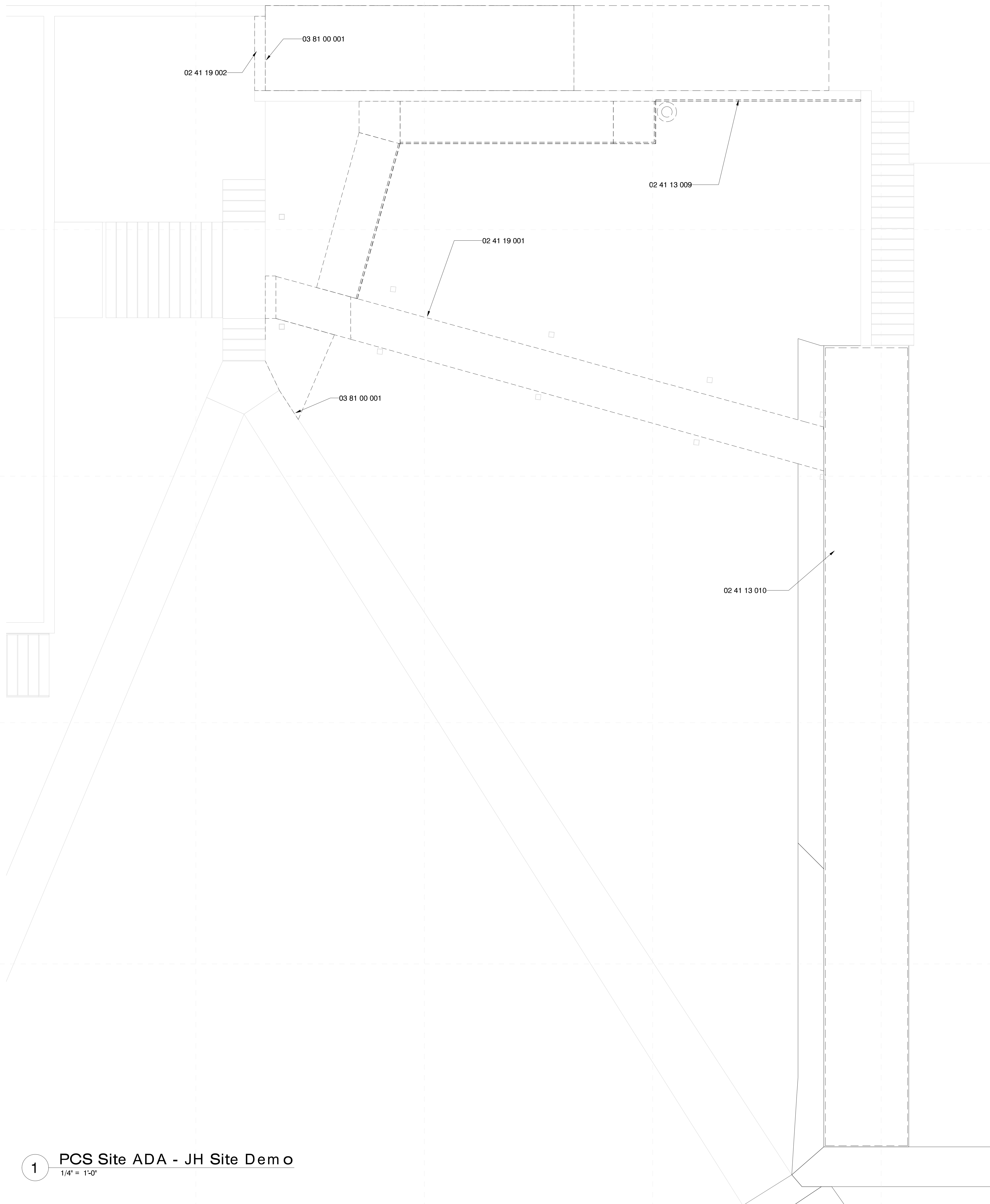
EX. OVERHEAD/UNDERGROUND POWER	OP
EX. OVERHEAD TELEPHONE	OT
EX. WATER LINE	W
EX. GAS LINE	G
EX. CONTOUR	-400-
PROPOSED CONTOUR	400
EX. STEEL RAILING	X 400.00
PROPOSED SPOT GRADE	X 400.00
EX. WATER METER	WM
EX. WATER VALVE	XW
EX. TELEPHONE PEDESTAL	TPED
EX. POWER POLE	PP
EX. LIGHT POLE	LP
AIR CONDITIONER	AC
EX. CONCRETE AREAS	[Hatched Pattern]
EX. COVERED WALKWAY	[Hatched Pattern]



PREPARED BY:
ESI
 ENGINEERING SOLUTIONS INC.
 1324 N. VETERANS BLVD.
 TUPULO MS 38804
 OFFICE: 662-840-9063
 FAX: 662-840-9064
 180 MAGEE DRIVE
 PONTOTOC MS 38863
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 FAX: 662-489-1725



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1 PCS Site ADA - JH Site Dem o
1/4" = 1'-0"

General Site Demolition Notes

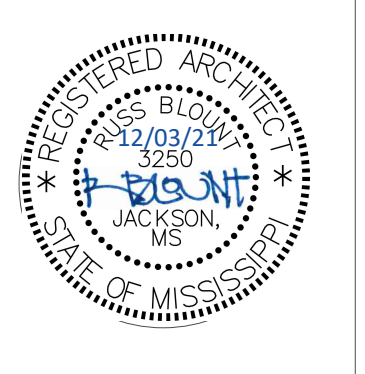
1. Remove all concrete where shown to be replaced with new.
2. Scoring and/or clean saw cuts shall be employed when demoing concrete slabs adjacent to those to remain.
3. Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
4. Verify all existing conditions. Notify architect of any discrepancies between the existing conditions and these documents. The Contractor is to consider the additional work required by any discrepancies to be included in this Contract.
5. Burying or Burning of materials will not be permitted on site.
6. Repair/clean any damage caused by building construction identified to remain.
7. Refer to other discipline drawings for additional demolition information as noted.
8. Existing loose school property to be the responsibility of the school district, removal of property by owner to be coordinated between the contractor and school district.
9. Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.
10. All paving and grades at perimeter of building to have positive slope away from structures and towards drainage basins.
11. All grassed areas shall be graded to drain to the appropriate inlet or slope to ensure positive drainage away from the building.
12. Contractor shall employ temporary fencing to keep students out of construction area.

Specific Notes

02 41 13 009	Grind down flush will floor all embed metal to remain; where voids exist, fill with mortar
02 41 13 010	Coordinate extent of all demo with Civil
02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
03 81 00 001	Score concrete with straight lines where demoed is attached to existing to remain



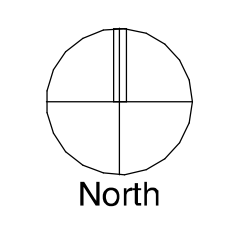
Architects
 One Jackson Place 250
 188 East Capitol Street
 Jackson, MS 39201
 p 601.352.5411
 201 Park Court Suite B
 Ridgeland, MS 39157
 p 601.790.9432
 161 Lameuse St. Suite 201
 Biloxi, MS 39530
 p 228.374.1409
 dalebaileyplans.com



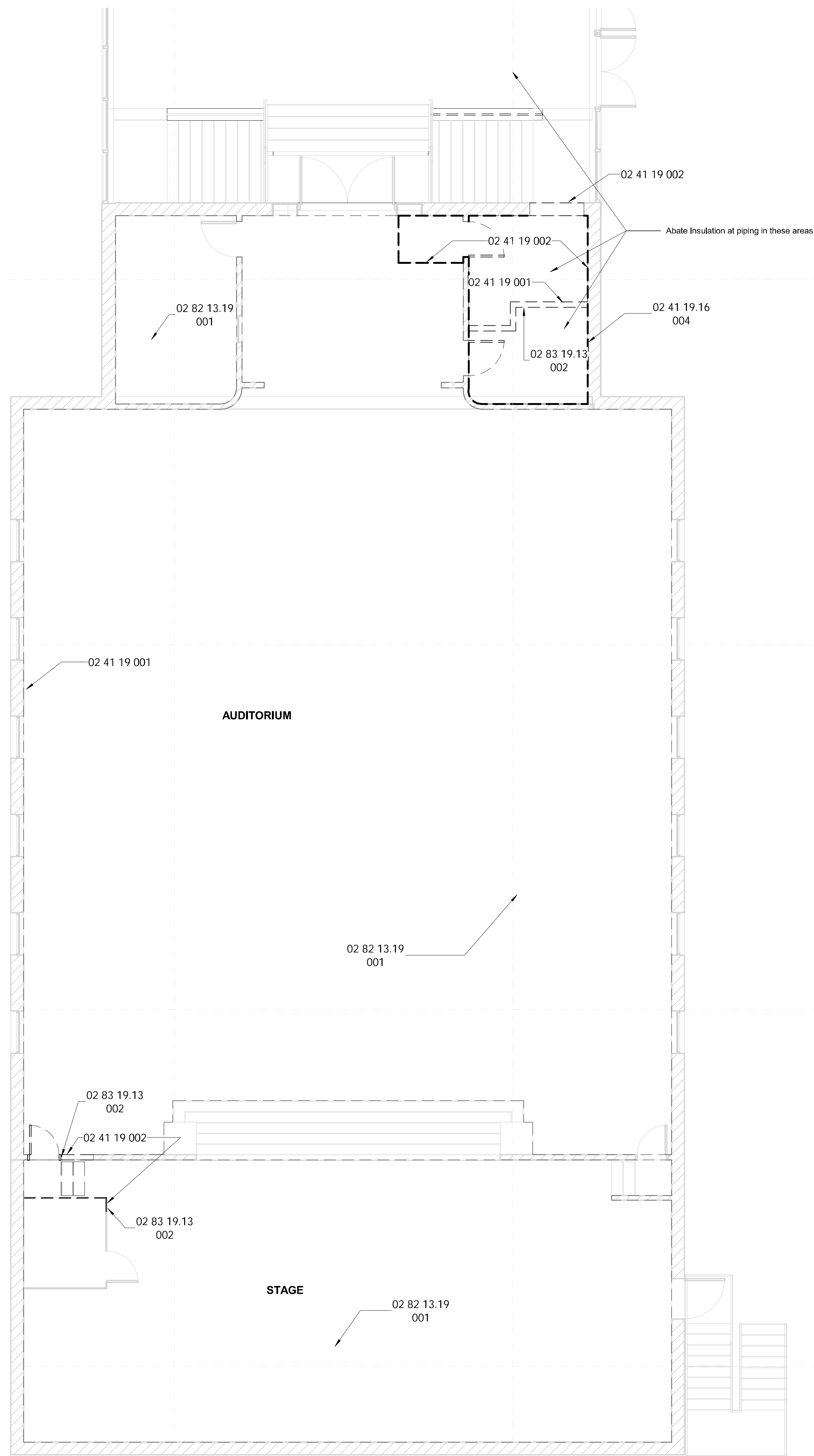
Pontotoc City Schools ESSR 2&3
 PCS: 140 Educational Dr., Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/05/2021
Revisions	Rev Date
SD	09/14/2021
DD	09/22/2021
CD	11/05/2021



JH
 AC001
 Site Demolition



General Demolition Notes

- Where floor transitions from new floor to existing floor, a floor transition strip is to be provided. A knock-down frame is to be provided in place of the existing frame where the opening is a part of a corridor.
- Remove all existing flooring, ceiling tile, rubber base, etc., where shown to be replaced by new materials in the finish schedule. RE: Floors plans, RCP, and Finish Schedule
- Owner has right of refusal for all demo work. If not retained, GC to be responsible for disposal.
- Verify all existing conditions. Notify architect of any discrepancies between the existing conditions and these documents. The Contractor is to consider the additional work required by any discrepancies to be included in this Contract.
- Burying or Burning of materials will not be permitted on site.
- Repair any damage caused to building construction identified to remain.
- Refer to other discipline drawings for additional demolition information as noted
- Schedule with the Owner any demolition that involves exposing to the weather the interior portions of building to remain. This work is to be performed during good, dry weather or temporary waterproof barrier walls shall be constructed at all occurrences where the demolition exposes weather to the interior of portions of buildings to remain.
- Existing loose school property to be the responsibility of the school district, removal of property by owner to be coordinated between the contractor and school district.
- Where areas are removed or altered, patch, repair, & paint to match adjacent surface material and finish.

Specific Notes

02 41 19 001	Dashed lines indicated extent of demoed work
02 41 19 002	Coordinate measurements with new construction
02 41 19.16 004	Remove Floor Assembly: see Structural
02 82 13.19 001	Remove all asbestos containing flooring to substrate
02 83 19.13 002	No cuts into painted surfaces shall be made without HEPA vacuum equipment



Construction Documents

Project No	21064
Date	11/05/2021
Revisions	Rev Date
SD	09/14/2021
DD	09/22/2021
CD	11/05/2021

1 PCS Middle - Auditorium - Demo
3/16" = 1'-0"

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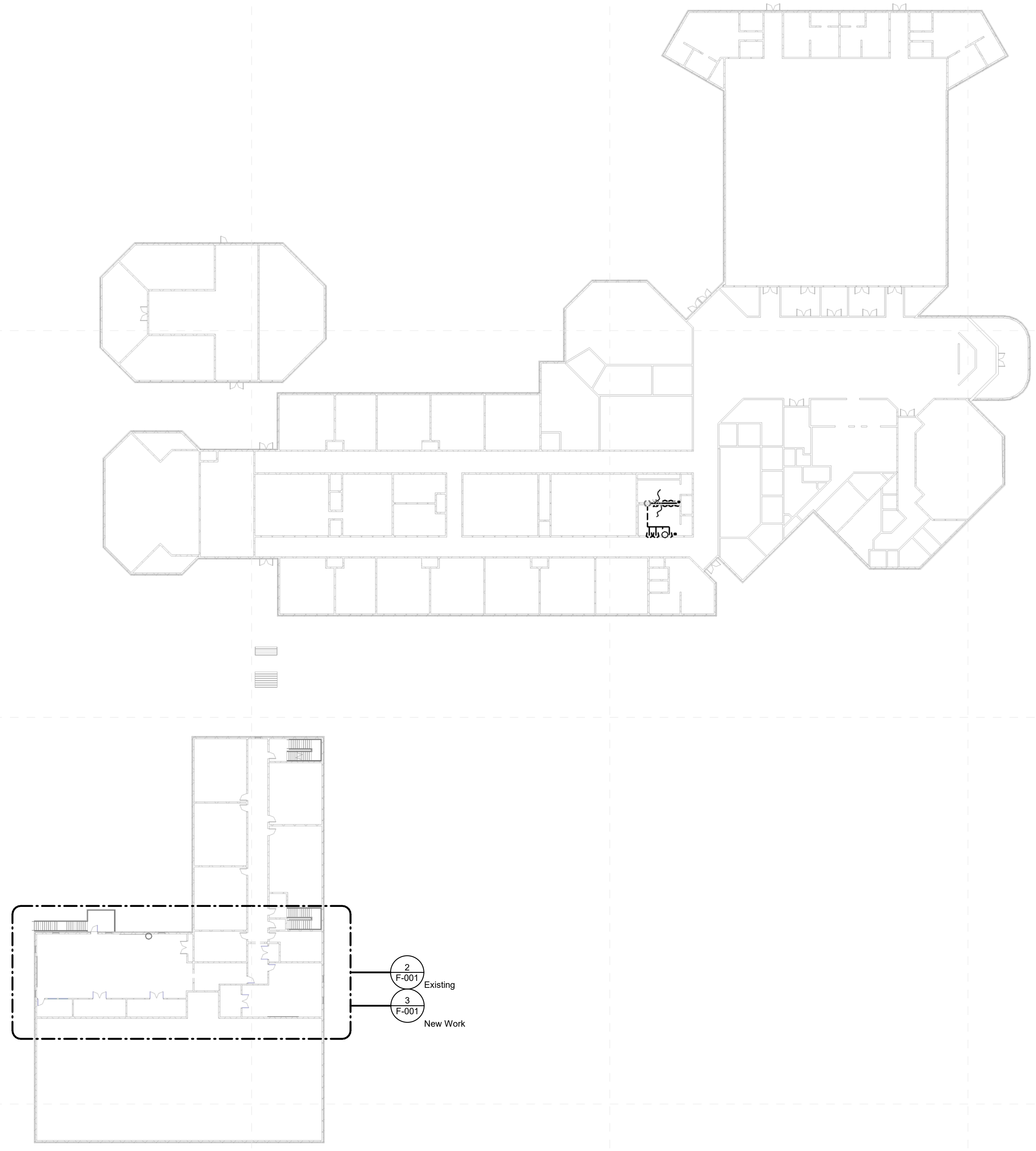


WET PIPE SPRINKLER SCHEDULE			
AREA	HAZARD CLASSIFICATION	MINIMUM DENSITY (GPM/SF)	REMOTE AREA SIZE (SF)
STORAGE, MECHANICAL, JANITOR	ORDINARY HAZARD, GROUP 1	0.15	1500
ALL OTHER SPACES INCLUDING CLASSROOMS, OFFICES, CORRIDORS, ETC.	LIGHT HAZARD	0.10	1500

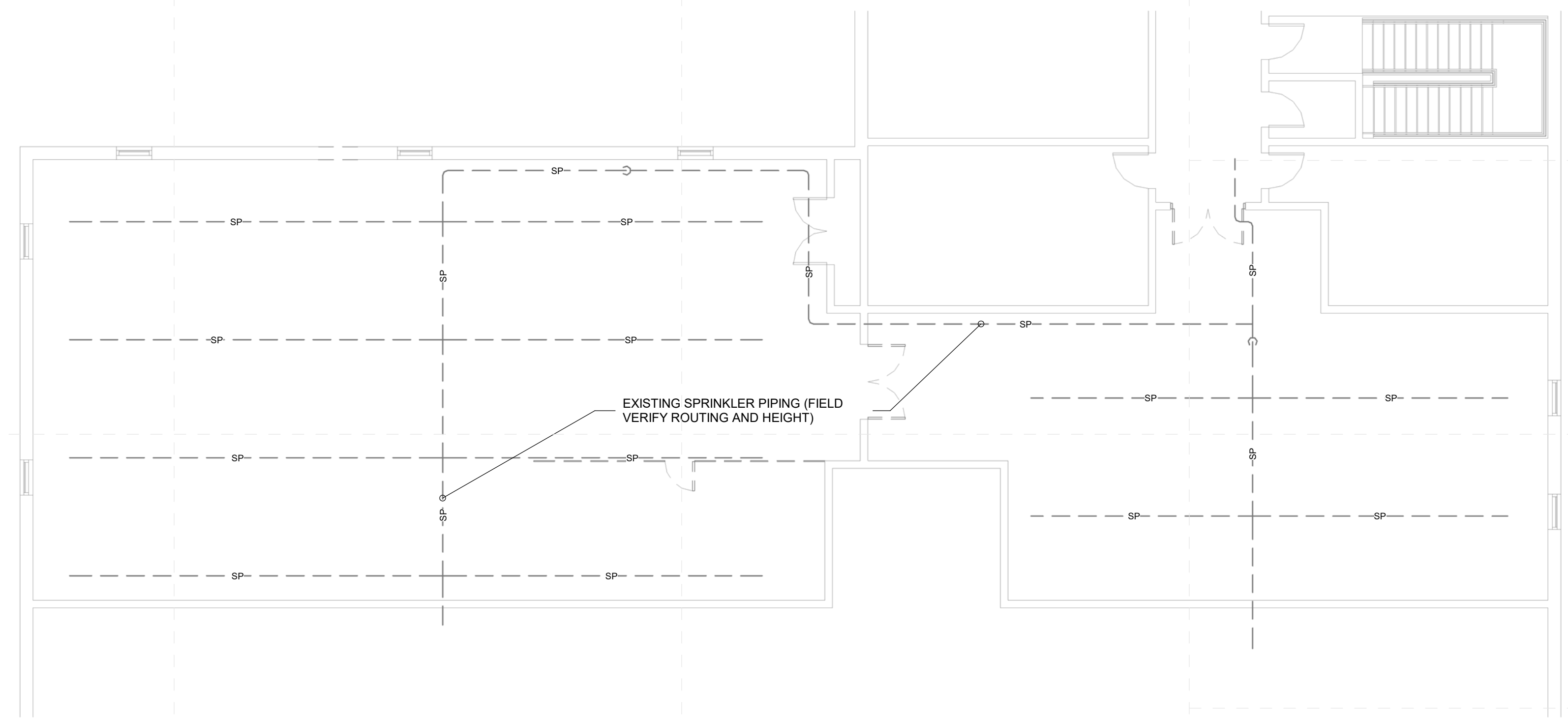
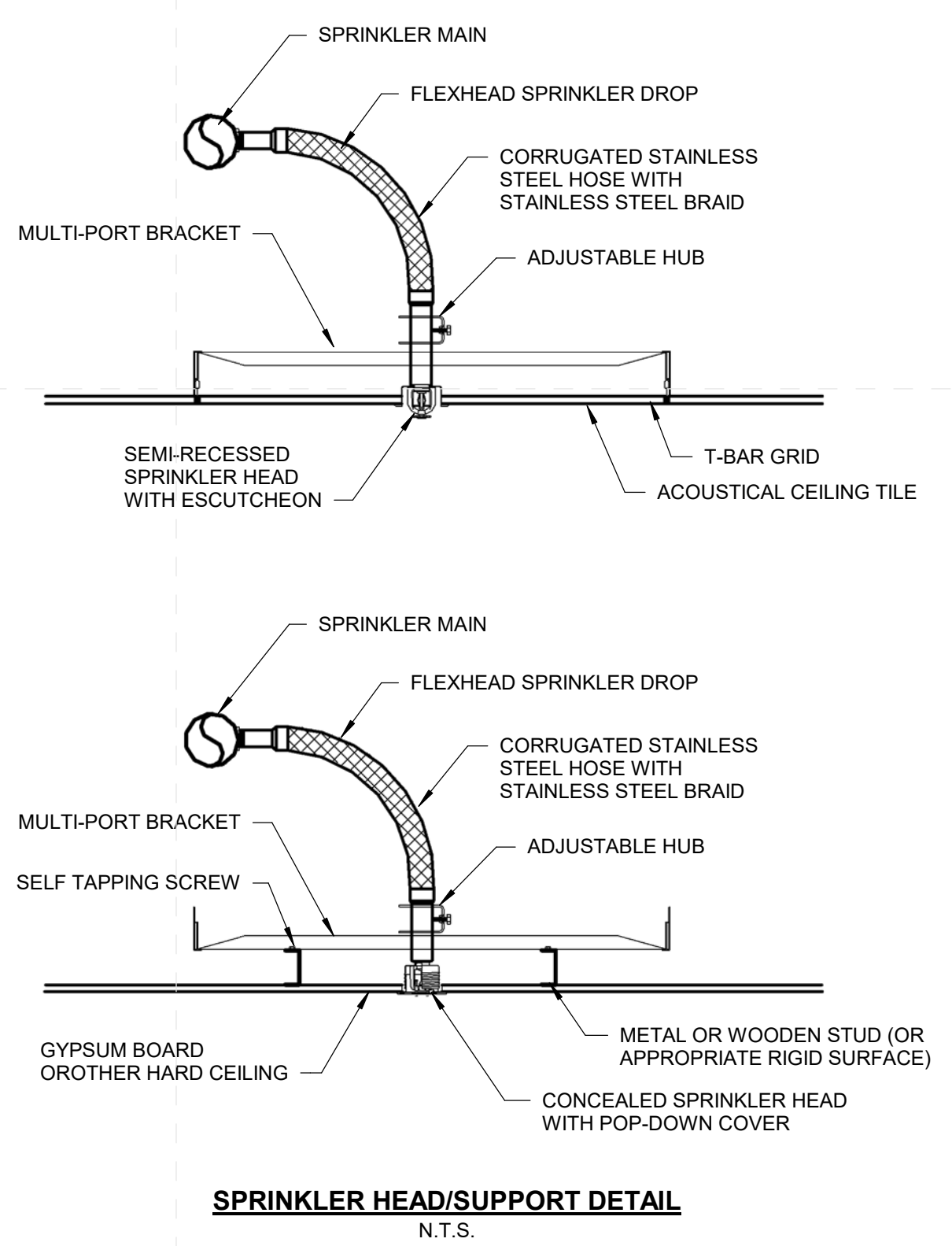
CODE REVIEW	
DESIGN CODE	2015 INTERNATIONAL CODE COUNCIL (ICC)
FIRE SPRINKLER	NFPA 13

DRAWING INDEX - Fire Protection	
Sheet Number	Sheet Name
F-001	PCS High School Fire Sprinkler Plans

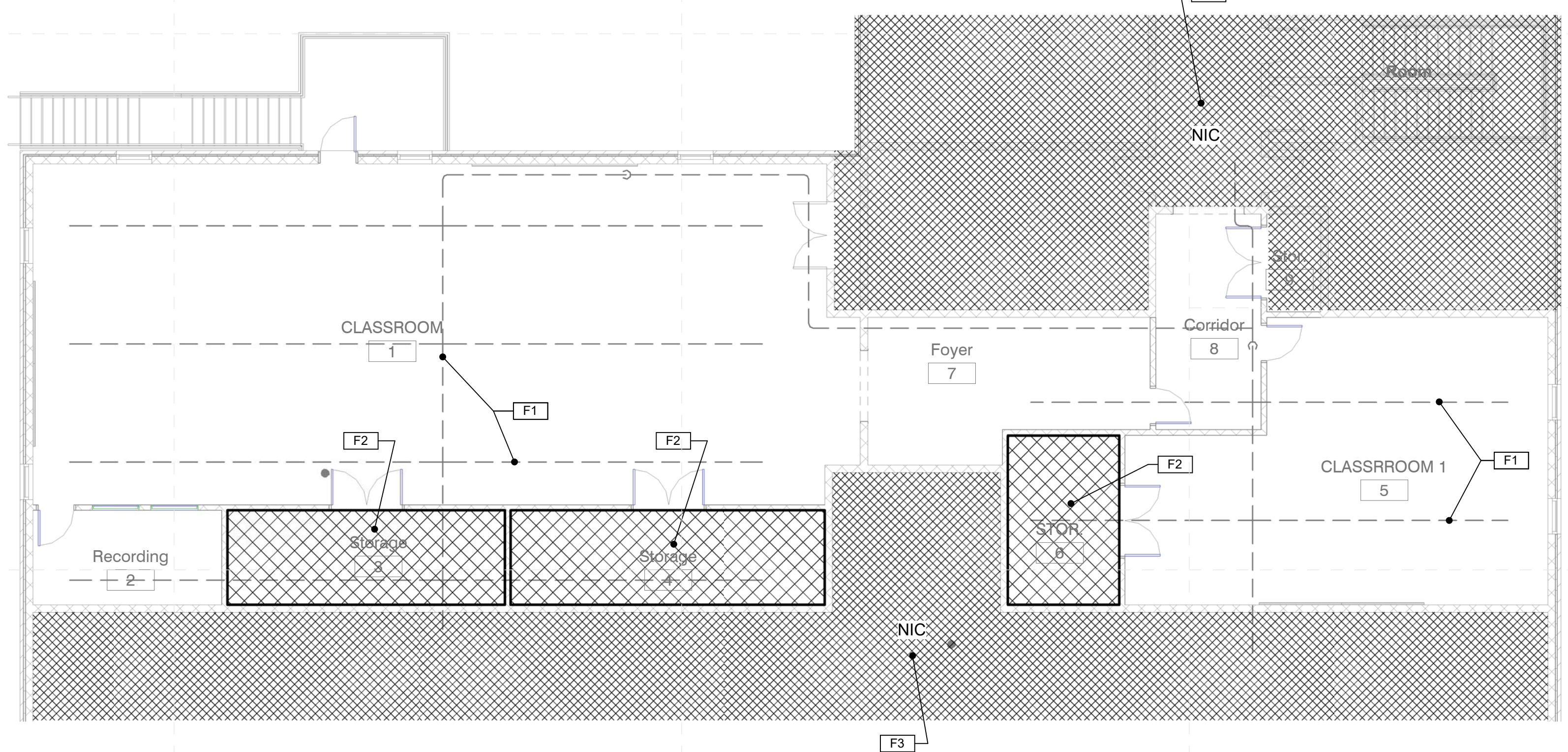
SPECIFIC FIRE SPRINKLER NOTES	
F1	PROVIDE NEW SPRINKLER HEADS AND BRANCH PIPING IN ALL AREAS OF PROJECT. SEE DETAILS AND SPECIFICATIONS FOR SPRINKLER HEAD REQUIREMENTS. CONNECT TO EXISTING SPRINKLER SYSTEM AS REQUIRED TO PROVIDE A NFPA 13 COMPLIANT INSTALLATION.
F2	TYPICAL ORDINARY HAZARD AREAS. REFER TO SPRINKLER SCHEDULE FOR AREAS DESIGNATED AS ORDINARY HAZARD. VERIFY HAZARD CLASSIFICATION WITH NFPA 13 AND UTILIZE MOST STRINGENT REQUIREMENT.
F3	CONFIRM PROPER COVERAGE OF EXISTING SHELLCORE SPACE IS MAINTAINED ONCE WALLS ARE ADDED. PROVIDE ANY ADDITIONAL SPRINKLER HEADS AND BRANCH PIPING AS REQUIRED.



1 PCS High School Overall Second Level Fire Sprinkler Plan
1" = 30'-0"



2 Partial High School Fire Sprinkler Plan - Existing
1/8" = 1'-0"



3 Partial High School Fire Sprinkler Plan - New Work
1/8" = 1'-0"

LEGEND - PLUMBING

MARK	DESCRIPTION
---	EXISTING PIPING TO BE DEMOLISHED
---SS---	EXISTING SANITARY WASTE PIPING
---	EXISTING SANITARY VENT PIPING
---	EXISTING SITE WATER SERVICE PIPING
---	EXISTING SITE FIRE PROTECTION WATER PIPING
---	EXISTING POTABLE COLD WATER PIPING
---	NEW SANITARY WASTE PIPING
---	NEW SANITARY VENT PIPING
---	NEW POTABLE COLD WATER PIPING
---	NEW POTABLE HOT WATER PIPING (120°F)
---	NEW POTABLE RECIRCULATING HOT WATER PIPING (120°F)
---	NEW CONDENSATE DRAIN PIPING
---	NEW TEMPERED WATER PIPING
---	FULL PORT BALL VALVE (LEAD FREE)
○	HOSE BIBB
○	WALL CLEANOUT
○	WATER HAMMER ARRESTOR
○	POINT OF CONNECTION TO EXISTING
FD	FLOOR DRAIN
HW	HOT WATER
CW	COLD WATER
W	WASTE
V	VENT
A/C	ABOVE CEILING
B/S	BELOW SLAB
B/F	BELOW FLOOR
A/G	ABOVE FINISHED GRADE
B/G	BELOW FINISHED GRADE
I/W	IN WALL
DN	DOWN
VTR	VENT THRU ROOF
AF	ABOVE FINISHED FLOOR
CO	CLEANOUT
TP	TRAP PRIMER BELOW SLAB/FLOOR

GENERAL PLUMBING DEMOLITION NOTES:

- WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE DEMOLISHED, ALSO REMOVE ALL ASSOCIATED PIPING, ACCESSORIES, TRIM, HANGERS, ETC. UNLESS NOTED OTHERWISE.
- WHERE PLUMBING FIXTURES ARE NOTED HEREIN TO BE REPLACED, EXISTING ASSOCIATED PIPING, ACCESSORIES, ETC. SHALL REMAIN.
- WHERE DIRECTED TO CAP SERVICES AS NOTED HEREIN, CAP ALL PIPING ASSOCIATED WITH DEMOLISHED FIXTURE IN WALL, ABOVE CEILING OR BELOW FLOOR AS REQUIRED FOR FINISHED APPEARANCE. DISCONNECT AND REMOVE ALL PIPING NOT UTILIZED IN NEW SCOPE OF WORK.
- PATCH AND REPAIR ALL AREAS AFFECTED TO MATCH ADJACENT OR AS DIRECTED/APPROVED BY ARCHITECT. THIS SHALL INCLUDE, BUT IS NOT LIMITED TO, WALL REPAIR, CONCRETE REPAIR, PAINTING, ETC. COORDINATE FINISHES WITH ARCHITECTURAL DRAWINGS.
- ALL REMOVED PLUMBING EQUIPMENT AND FIXTURES SHALL BE OFFERED TO OWNER. THOSE NOT ACCEPTED BY OWNER SHALL BE DISPOSED OF OFF-SITE PER LOCAL CODES AND ORDINANCES. ALL OTHER DEMOLISHED MECHANICALLY RELATED MATERIALS SHALL BE DISPOSED OF SIMILARLY.
- PIPING LOCATED IN WALLS TO REMAIN, OR BELOW SLAB/FLOOR, THAT DOES NOT CONFLICT WITH NEW WORK, MAY REMAIN AND BE CAPPED FOR CONCEALMENT AND DISCONNECTED FROM ACTIVE SERVICE, ETC.
- PROVIDE ANY TEMPORARY CONNECTIONS REQUIRED TO MAINTAIN PLUMBING SERVICES TO NEW AND EXISTING FIXTURES AND INSTALLATIONS BEING UTILIZED OUTSIDE THE AREA BEING RENOVATED.

SPECIFICATIONS - PLUMBING

SUBMITTALS:

REFER TO ARCHITECTURAL SPECIFICATIONS FOR SUBMITTAL PROCEDURES. PROVIDE SUBMITTALS FOR THE FOLLOWING:

- PLUMBING FIXTURES AND TRIM
- WATER HEATERS AND ACCESSORIES
- PIPE, VALVES AND FITTINGS

CLOSE-OUT DOCUMENTS:

REFER TO ARCHITECTURAL SPECIFICATIONS FOR CLOSE-OUT PROCEDURES. PROVIDE CLOSE-OUT DOCUMENTATION FOR THE FOLLOWING:

- TAB REPORT
- AS BUILT DRAWINGS
- O&M MANUALS OF PLUMBING FIXTURES, ETC.

OWNER OPERATING & MAINTENANCE MANUALS AND INSTRUCTIONS:

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO SETUP AND TRAIN THE OWNER'S PERSONNEL IN THE PROPER OPERATION AND MAINTENANCE OF ALL MECHANICAL EQUIPMENT PROVIDED AND/OR INSTALLED WITH THIS PROJECT. THE SAFE OPERATION OF ALL PLUMBING AND SYSTEMS SHALL BE ADEQUATELY CONVEYED TO PERTINENT OWNER PERSONNEL, ALONG WITH INSTRUCTIONS ON WHAT IS OWNER'S RESPONSIBILITY, AND WHOM TO CONTACT FOR STANDARD ONE (1) YEAR WARRANTY, AND AFTERWARDS FOR EXTENDED WARRANTIES. SAME INFORMATION SHALL BE INCLUDED IN O&M MANUALS.
- SUBMIT TWO(2) COMPLETE SETS OF HARDBOUND BROCHURES, INDEXED, AND LABELED FOR EACH PIECE OF EQUIPMENT. THE MANUALS SHALL BE TRANSMITTED TO THE OWNER AT THE COMPLETION OF THE PROJECT.
- INCLUDE IN THESE BROCHURES WRITTEN SUBMITTAL DATA, MANUFACTURER'S OPERATING AND MAINTENANCE PROCEDURES AND RECOMMENDATIONS, SPARE PARTS LISTS AND SUPPLIERS AND ANY INTERLOCKING CONTROL OR WIRING DIAGRAMS FOR ALL EQUIPMENT. THE INFORMATION LISTED HEREIN IS TO BE BOUND IN THE FOLLOWING ORDER:
 - FIRST SHEET TO LIST ARCHITECT, ENGINEER, CONTRACTOR AND SUBCONTRACTORS WITH ADDRESSES FOR EACH.
 - SECOND SHEET TO LIST TYPE OF EQUIPMENT WITH SEQUENTIAL NUMBER, THE MANUFACTURER, MAKE, MODEL, AND SERIAL NUMBER OF THE ACTUAL EQUIPMENT NAMEPLATE DATA RATED HORSEPOWER, FULL LOAD RATED AMPS, VOLTAGE AND PHASE. INCLUDE PERTINENT CONTACT INFORMATION ON STANDARD ONE YEAR WARRANTY AND EXTENDED WARRANTY WORK.
 - NEXT, ACTUAL COPY OF APPROVED SUBMITTAL DATA INCLUDING ALL MANUFACTURER'S PUBLISHED INFORMATION ON CAPACITIES, CAPACITY CURVES OR TABLES, ACCESSORY AND CONTROL ITEM LISTS, AND OTHER PERTINENT INFORMATION AS REQUESTED BY ENGINEER. CROSS REFERENCE ALL EQUIPMENT TO CONTRACT DOCUMENTS.

AS-BUILT DRAWINGS (PROJECT RECORD DOCUMENTS):

- MAINTAIN AT JOB SITE A SET OF CONTRACT RECORD DOCUMENTS KEPT CURRENT BY INDICATING THEREON ALL CHANGES, SUBSTITUTIONS, ETC., BETWEEN WORK AS SPECIFIED AND AS INSTALLED, IN RED INK.
- AT THE COMPLETION OF THE PROJECT, FURNISH THE OWNER TWO(2) SETS OF BLUELINES SHOWING INSTALLED LOCATION, SIZE, ETC., OF ALL WORK AND MATERIAL AS TAKEN FROM RECORD DOCUMENTS. ALL AS-BUILT (ON RECORD) DRAWINGS SHALL BE LABELED "AS-BUILT DRAWINGS", DATED AND CERTIFIED AS ACCURATE BY MECHANICAL CONTRACTOR WITH HIS SIGNATURE, ON FRONT PAGE OF ALL DRAWING BLUELINE SETS AND SPECIFICATIONS.

PLUMBING IDENTIFICATION:

- NEW OR EXISTING POTABLE WATER AND GAS PIPING THROUGHOUT SPACE SHALL BE NEWLY IDENTIFIED WITH MANUFACTURED SELF ADHESIVE LABELING, WITH ANSI APPROVED COLORED BACKGROUND. LETTERING SHALL BE MINIMUM 1/2" TALL ON PIPING 1" SIZE AND SMALLER, AND 1" TALL ON LARGER PIPING. PROVIDE LABELING THROUGHOUT ON MINIMUM 10' CENTERS. PROVIDE LABELING AFTER FINAL PAINTING OF UTILITIES HAS BEEN APPROVED BY ARCHITECT. LABELING SHALL BE AS SET ON OR BRADLEY.

VALVES:

VALVES FOR DOMESTIC WATER APPLICATIONS (ALL VALVES SHALL BE NSF 61 COMPLIANT AND CONTAIN LESS THAN 0.25% LEAD (PB) BY WEIGHT)

BALL VALVES

- VALVES 2" AND SMALLER SHALL BE TWO-PIECE BRASS OR STAINLESS-STEEL CONSTRUCTION, 1-1/4" EXTENDED NECK, CHROME PLATED BALL WITH FULL PORT, P.T.F.E. SEALS AND SEATS. HEAVY DUTY STEEL HANDLE WITH VINYL GRIP. QUARTER TURN OPERATION. VALVES SHALL BE SUITABLE FOR WORKING PRESSURE OF 200 PSIG AND MAXIMUM 250 DEG F.
- VALVES 2-1/2" AND LARGER SHALL BE SAME AS ABOVE EXCEPT THAT TWO OR THREE-PIECE BRASS OR STAINLESS-STEEL CONSTRUCTION MAY BE UTILIZED.

SILENT CHECK VALVES:

- VALVES 2" AND SMALLER SHALL BE ALL BRONZE, HORIZONTAL OR VERTICAL SILENT SPRING CHECK TYPE WITH SCREWED END CONNECTIONS. VALVES SHALL BE RATED FOR 200# WOG.

VALVES FOR NATURAL GAS APPLICATION

- PLUG VALVES (FOR SIZES 1/2" AND LARGER, AND AT MAIN SERVICE VALVES):
 - VALVES SHALL BE IRON BODY (SEMI STEEL) LUBRICATED, BOLTED GLAD TYPE WITH TEFLON COATED PLUG. FLANGE UNIT FOR INSTALLATION BETWEEN 150# ASA STEEL FLAT-FACED SLIP ON WELD FLANGES. ALL VALVES SHALL BE WRENCH OPERATED AND WRENCH SHALL BE FURNISHED WITH EACH SIZE VALVE. EACH PLUG VALVE SHALL BE SERVICED WITH THE SILICONE SEALANT/LUBRICANT RECOMMENDED BY THE VALVE MANUFACTURER. VALVES 2" AND SMALLER SHALL BE SHORT PATTERN TYPE WITH THREADED END CONNECTIONS. VALVES SHALL BE RATED AT 175# WOG.
- BALL VALVES (FOR SIZES 1" AND SMALLER)
 - VALVES SHALL BE ONE QUARTER TURN SHUT-OFF, LISTED FOR GAS SERVICE, BRONZE CONSTRUCTION, CSA B16.44 5 PSIG RATED, UL 842 5 PSIG RATED AND ANSI Z21.15 1/2 PSIG RATED.

GENERAL PLUMBING NOTES:

- PROVIDE ALL PLUMBING PIPING, FIXTURES, TRIM, AND ACCESSORIES AS REQUIRED FOR A COMPLETE AND FUNCTIONAL PLUMBING SYSTEM. VERIFY WITH ARCHITECT AND DRAWINGS, WHICH PLUMBING INSTALLATIONS ARE DESIGNATED FOR ADA ACCESSIBILITY. ALL SUCH FIXTURE INSTALLATIONS SHALL INCLUDE ALL INSTALLATION ACCESSORIES, MOUNTING HEIGHT, CONTROL OFFSET, SIZE AND ACCESSIBILITY AS REQUIRED BY LATEST EDITION OF AMERICANS WITH DISABILITIES ACT (ADA) AND LOCAL GOVERNING AUTHORITIES.
- ALL PLUMBING VENTS, WHERE NOTED VENT UP (V. UP), SHALL BE COMBINED WITH WALL OR ABOVE CEILING CONCEALED AREAS, WHERE FEASIBLE, SO AS TO MINIMIZE ROOF PENETRATIONS. COORDINATE LOCATION OF ROOF PLUMBING AND FLUE VENTS SUCH THAT ALL VENTS ARE MINIMUM 15 FEET FROM ANY VENTILATION INTAKE DEVICES. ALL ROOF PENETRATIONS, VENTS, FLUES, ETC., SHALL BE MADE ON BACK SIDE OF ROOF AS CAN BE COORDINATED WITH ARCHITECT. ALL FLUES AND VENTS EXPOSED ABOVE ROOF SHALL BE FIELD PAINTED COLOR BY ARCHITECT.
- ALL PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILING, EXCEPT AS OTHERWISE NOTED AND AT APPROPRIATE EQUIPMENT FINAL CONNECTIONS. HOLD ALL PIPING ABOVE CEILING AS HIGH AS POSSIBLE AND COORDINATE WITH OTHER CRAFTS.
- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFFSETS, ETC., TO AVOID INTERFERENCES WITH STRUCTURAL MEMBERS, EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUIT, ETC.
- VERIFY/COORDINATE PIPE SIZES AND CONNECTIONS WITH "KITCHEN" AND/OR "PLUMBING FIXTURE ROUGH-IN SCHEDULE" FOR WASTE, VENT AND WATER PIPING ROUGH-IN SIZES NOT CLEARLY SHOWN ON PLANS OR IN RISER DIAGRAMS, ETC. CONTACT PROFESSIONAL, SHOULD QUESTIONS OR CONFLICTS ARISE. PROVIDE ROUGH-IN, FINAL CONNECTIONS AND INSTALLATION APPURTENANCES AS RECOMMENDED BY APPLIANCE AND/OR EQUIPMENT MANUFACTURERS FOR DISHWASHERS, ICE MAKERS, AND MACHINES, WASHERS, DRYER, ETC. VERIFY LOCATION ON ARCHITECTURAL DRAWINGS AND CONNECTION REQUIREMENTS FROM APPROVED BROCHURES OF THE EQUIPMENT AND/OR APPLIANCES MANUFACTURER.
- COORDINATE SLOPE OF ALL DRAINAGE AND VENT PIPING BELOW GRADE AT INVERT ELEVATIONS INDICATED. CONSISTENTLY SLOPE ALL OTHER PIPING, NOT INDICATED, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
- ALL VERTICAL RISERS TO FLOOR DRAINS AND FLOOR MOUNTED SINKS SHALL BE MAXIMUM 24" LONG.
- ALL ABOVE GRADE HORIZONTAL DRAINAGE AND VENT PIPING ROUTING SHALL BE COORDINATED WITH OTHER CRAFTS AND STRUCTURAL/ARCHITECTURAL DRAWINGS. CONSISTENTLY SLOPE ALL PIPING, NOT INDICATED WITH ELEVATIONS, AS REQUIRED BY PLUMBING CODE APPLICABLE TO THIS PROJECT BUT IN NO CASE LESS THAN 1%.
- WHEN SLEEVES, PIPES, CONDUITS, ETC. PENETRATE GRADE BEAMS OR TIE BEAMS, INCREASE THE DEPTH OF THE PENETRATED BEAM BY NO LESS THAN TWICE THE DIAMETER OF THE PENETRATION FOR A DISTANCE OF 4'-0" CENTERED ON THE PENETRATION, WHERE THE PENETRATION INTERRUPTS REINFORCING STEEL. AN EQUAL NUMBER OF LIKE SIZE REINFORCING BARS SHALL BE BENT UNDER THE PENETRATION AND LAP SPliced 30 BAR DIAMETERS ON EACH SIDE. CONCRETE COVER REQUIREMENTS ON ALL SIDES SHALL BE THE SAME AS SHOWN FOR THE UN-MODIFIED GRADE BEAM OR TIE BEAM. SEE STRUCTURAL DRAWINGS FOR FURTHER SPECIFICS, ETC. PROVIDE NEW SCHEDULE 40 PVC PIPE SLEEVE A MIN. TWO SIZES LARGER THAN CARRIER PIPE AT ALL SUCH CROSSINGS, TO EXTEND MIN. 6" PAST FOUNDATION ON BOTH ENDS. PROVIDE OAKUM AND SEALANT IN ANNUAL SPACE OF SLEEVES AND WATER PROOF ON ALL BUILDING PERIMETER AND INTERIOR FOOTING AND GRADE BEAM APPLICATIONS.
- ALL CLEANOUTS IN SANITARY, STORM AND CONDENSATE DRAIN PIPING SHALL BE FULL PIPE SIZE UP TO 4" AND SHALL BE 4" SIZE ON 6" AND LARGER PIPING.
- ROUTE ALL HORIZONTAL INSULATED DOMESTIC WATER PIPING UNDER ATTIC INSULATION WHERE ATTIC INSULATION OCCURS.
- COORDINATE UNDERGROUND PIPING WITH GRADE BEAMS AND WALL FOOTINGS. SLEEVE ALL GRADE BEAMS UTILIZING SLEEVES A MINIMUM 2 SIZES LARGER THAN DRAINAGE PIPING SIZE. SOME SLEEVES MAY NOT BE SHOWN, BUT SLEEVES AT ALL GRADE BEAM HORIZONTAL AND VERTICAL PIPING PENETRATIONS ARE REQUIRED.
- PROVIDE NEAT PIPE SLEEVES AT ALL GAS, WATER, STORM, SANITARY, AND REFRIGERANT PIPING EXTERIOR WALL PENETRATIONS. FILL VOID IN ANNUAL SPACE WITH NEAT ELASTOMERIC SEALANT. BELOW GRADE SLEEVES INTO HABITABLE SPACES SHALL INCLUDE WATER-TIGHT SLEEVES AS "LINK SEAL".
- FIRESTOP ALL PIPING AND CONDUIT PENETRATIONS OF FLOORS AND FIRE SMOKE, OR COMBINATION WALLS/PARTITIONS TO MEET THE LATEST INTERNATIONAL BUILDING CODE REQUIREMENTS. PROVIDE APPROVED SOUND ABSORBENT SEALANT AT ALL SIMILAR PENETRATIONS AT SOUND AND FULL HEIGHT WALLS (SEALED TO UNDERSIDE OF ROOF DECK) INDICATED ON ARCHITECTURAL AND/OR MECHANICAL DRAWINGS.
- PROVIDE DIELECTRIC BUSHINGS IN ALL PIPE SYSTEMS WHERE UNLIKE METALS ARE CONNECTED, I.E., COPPER TO STEEL. PROVIDE STEEL SLEEVES IN ALL FLOORS, WALLS, ROOF DECK, ETC., FOR PIPE PENETRATIONS. SLEEVES SHALL BE OF SUFFICIENT DIAMETER TO ACCOMMODATE PIPE AND INSULATION, WHERE APPROPRIATE. COORDINATE ALL FLOOR PENETRATIONS WITH STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALL AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES. ALL PENETRATIONS MUST BE SEALED AND HELD AS TIGHT TO WALLS AS POSSIBLE.
- PROVIDE 12" X 12" LOCKING PIANO HINGED ACCESS PANELS FOR SHOCK ABSORBERS, TRAP PRIMERS, AND ALL VALVES LOCATED ABOVE NON-ACCESSIBLE CEILING AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION.
- PIPE ALL DRIPS, DRAINS, RELIEFS, ETC. TO THE NEAREST FLOOR DRAIN UNLESS OTHERWISE INDICATED.
- DO NOT RUN PLUMBING PIPING THROUGH OR OVER ELECTRICAL CLOSETS OR WITHIN 3'-0" OF ELECTRICAL PANEL FRONTS.
- DISINFECT ALL NEW POTABLE WATER PIPING SYSTEMS WITH DOCUMENTATION PER SPECIFICATIONS AND PRIOR TO SWAP OVER OF NEW POTABLE WATER SERVICES.
- PRIOR TO SUBMITTING A BID, VISIT THE SITE OF THE PROPOSED CONSTRUCTION & BECOME THOROUGHLY ACQUAINTED WITH EXISTING CONDITIONS TO BE ENCOUNTERED ETC. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR CONDITIONS WHICH WERE NOT KNOWN OR APPRECIATED WHEN SUBMITTING A BID IF THE CONDITION WAS OBVIOUS AND COULD HAVE BEEN DISCOVERED. THE INTENT IS FOR ALL UTILITIES, WHETHER ACTIVE OR ABANDONED, ROUTED BELOW GRADE IN THE AREA ENCOMPASSED BY THE NEW CONSTRUCTION, TO BE DISCONNECTED, REMOVED & RELOCATED (IF ACTIVE) TO PRESERVE EXISTING LOAD OR CAPACITY. THE LOCATION OF ALL UTILITIES, NEW OR EXISTING, SHALL BE DULY IDENTIFIED AS TO SIZE, MATERIAL, AND FUNCTION OF PIPE, ETC. ON AS-BUILT DRAWINGS.
- WHEN ENCOUNTERED IN WORK AREA, WHETHER OR NOT INDICATED, CAP OR PLUG OR OTHERWISE DISCONNECT EXISTING INACTIVE SEWER, GAS, WATER, ELECTRIC, OR OTHER UTILITY SERVICE STRUCTURES, OF WHICH ACTION SHOULD BE TAKEN. IF REMOVAL IS REQUIRED, REQUEST INSTRUCTIONS FROM ARCHITECT/PROFESSIONAL.
- WHEN ENCOUNTERED IN WORK AREA, WHETHER OR NOT INDICATED, PROTECT EXISTING ACTIVE SEWER, WATER, GAS, ELECTRIC, OTHER UTILITY SERVICES, STRUCTURES, WHERE REQUIRED FOR PROPER EXECUTION OF WORK, RELOCATE THEM AS DIRECTED. IF EXISTING ACTIVE SERVICE ARE NOT INDICATED, CONTACT PROFESSIONAL FOR INSTRUCTIONS.
- ALL NEW HYDRANTS SHUT-OFF VALVE BOX COVERS, GREASE TRAP AND MAN-HOLE COVERS, AND WATER METER BOX COVER SHALL BE CLEANED, PREPARED, PRIMED, AND FINISHED WITH TWO (2) COATS OF A RUST INHIBITIVE ALKYD ENAMEL, COLOR (S) BY ARCHITECT.
- PROVIDE WATER HAMMER ARRESTORS ON ALL PLUMBING FIXTURES. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

CODE REVIEW

DESIGN CODE	2015 INTERNATIONAL CODE COUNCIL (ICC)
FIRE SPRINKLER	NFPA 13

DRAWING INDEX - Plumbing

Sheet Number	Sheet Name
P-000	Plumbing Notes, Legend, and Specifications
P-001	PCS High School Plumbing Plans
P-011	PCS Jr. High School Pibg Plans - 1st Level
P-012	PCS Jr. High School Pibg Plans - 2nd level
P-201	Plumbing Schedules and Details

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Construction Documents

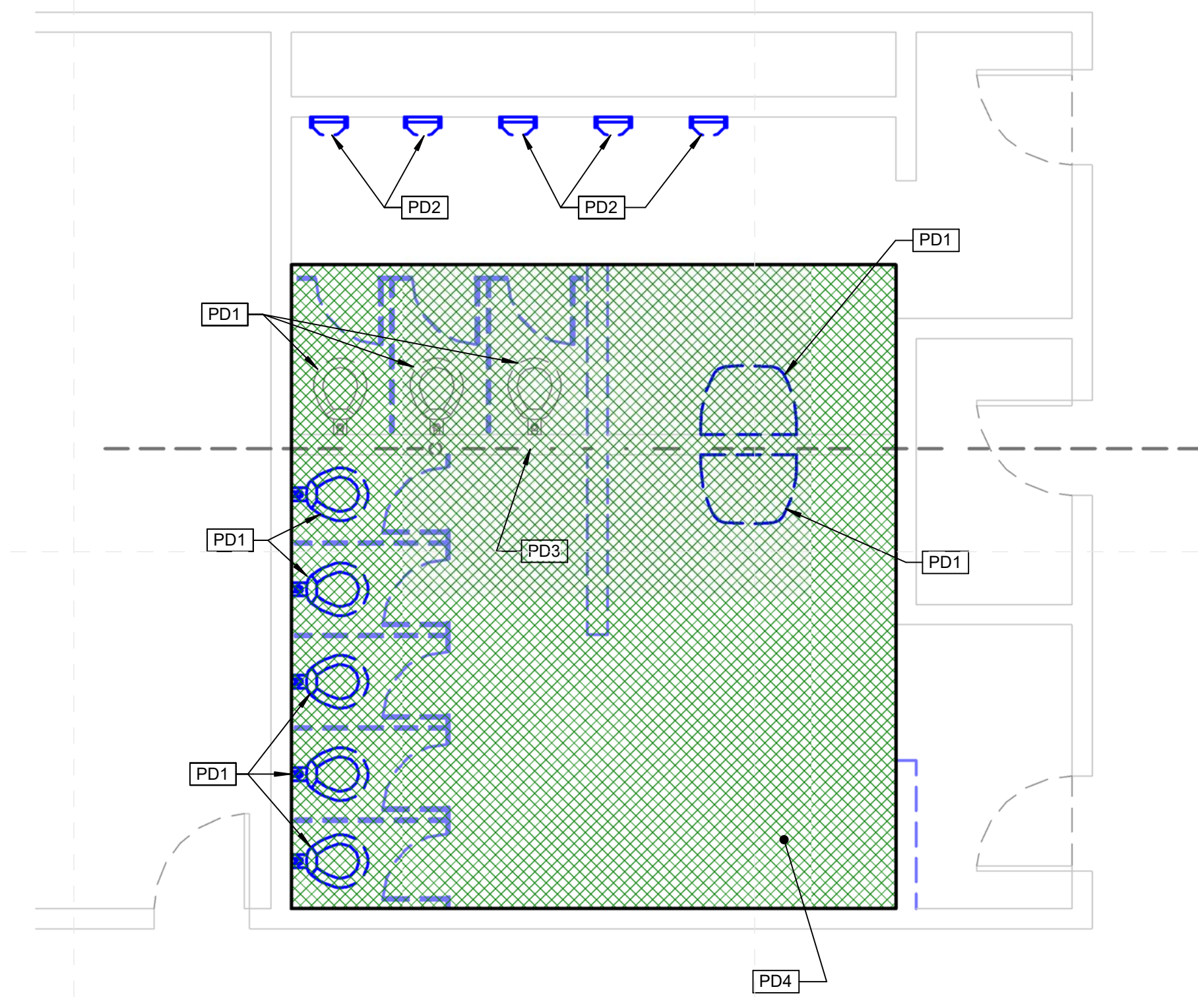
Project No 21064
Date 10 November 2021
Revisions Rev Date



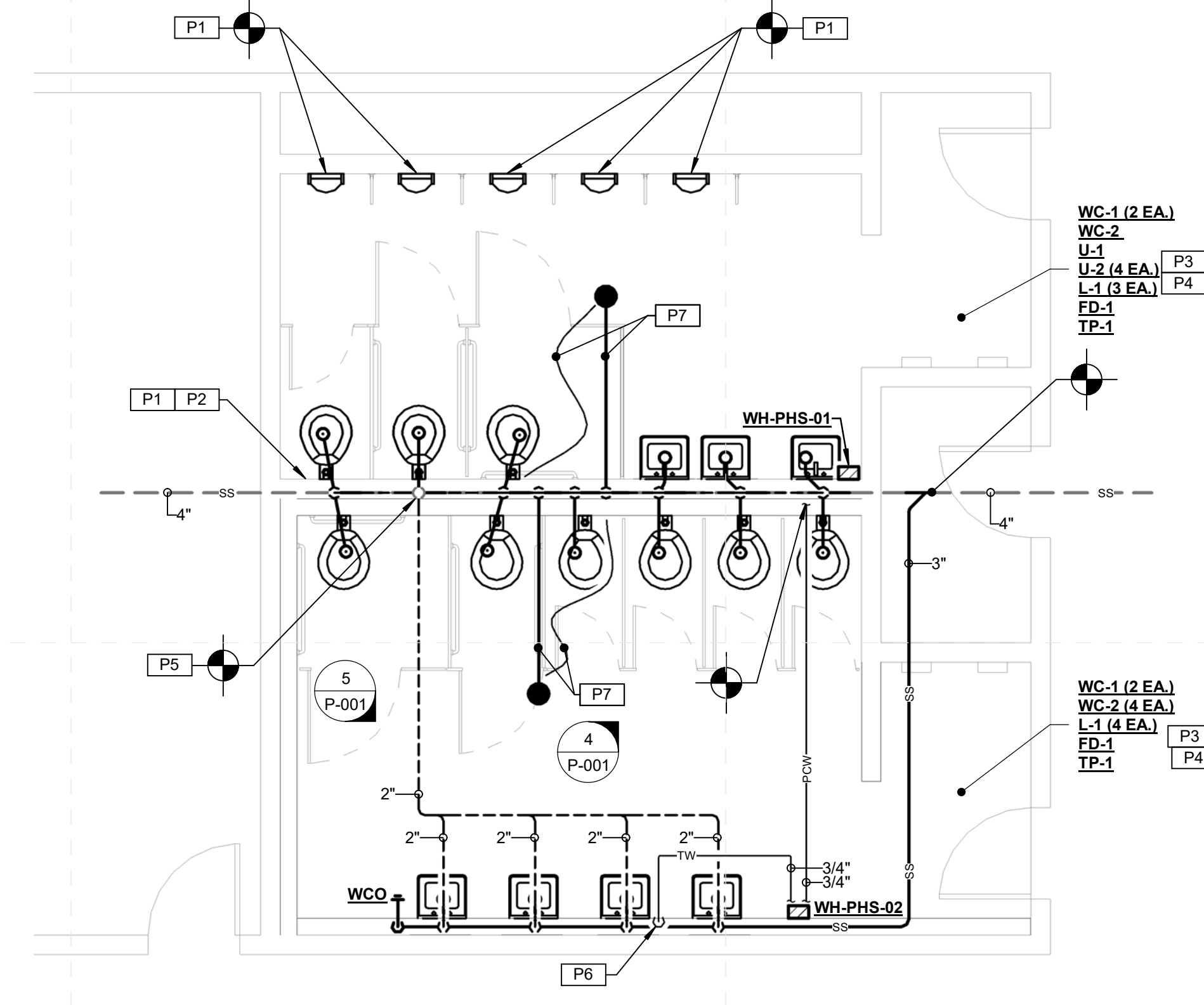
SPECIFIC PLUMBING DEMOLITION NOTES	
PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD2	REPLACE EXISTING PLUMBING FIXTURE WITH NEW IN SAME LOCATION. REUSE EXISTING SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.
PD4	SAWCUT EXISTING FLOOR SLAB AS DENOTED BY HATCHING AS REQUIRED FOR INSTALLATION OF NEW WORK.

- GENERAL PLUMBING RENOVATION NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT OF ALL FIXTURES AND DESIGNATION OF ADA COMPLIANT FIXTURES. VERIFY/COORDINATE EXISTING ROUGH-IN LOCATIONS AND MODIFY ACCORDINGLY TO MATCH NEW MOUNTING HEIGHTS AND ADA COMPLIANCE.
 - CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL NEW AND EXISTING PLUMBING UTILITIES WITHIN THE SCOPE OF WORK. THE USE OF EXISTING DRAWINGS WHERE AVAILABLE AND SCHOOL MAINTENANCE PERSONNEL SHOULD BE UTILIZED IN LOCATING PIPING INSIDE THE BUILDING WHERE CONNECTIONS TO EXISTING ARE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESEARCH LOCATION OF EXISTING UTILITIES AND EXISTING CONDITIONS.
 - IN ALL AREAS OF RENOVATION, UNLESS OTHERWISE INDICATED, EXISTING PLUMBING SERVICES SHALL BE MODIFIED AND EXTENDED IN CHASES, WALLS, BELOW SLAB/FLOOR AND/OR ABOVE CEILING AS REQUIRED TO CONNECT TO NEW PLUMBING FIXTURES AND/OR RECONNECT EXISTING PLUMBING FIXTURES WHERE INDICATED.
 - UNLESS OTHERWISE INDICATED, IN MULTI-FIXTURE PLUMBING BATTERIES, OPEN WALL, CONNECT TO AND MODIFY EXISTING NEARBY DOMESTIC WATER PIPING AND PROVIDE NEW FULL-SIZE WATER SERVICE PIPING HEADER IN CHASE OR ABOVE CEILING, ETC. WITH BRANCH PIPING CONNECTIONS TO INDIVIDUAL FIXTURES AS INDICATED ON PLUMBING FIXTURE ROUGH-IN SCHEDULE. PROVIDE NEW WATER HAMMER ARRESTORS FOR EACH GROUP OF FIXTURES. PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
 - OPEN WALLS AND MODIFY EXISTING WATER PIPING AS NEW ADA WATER CLOSET INSTALLATIONS WHERE REQUIRED FOR NEW ADA COMPLIANT FLUSH VALVE INSTALLATION. PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
 - UNLESS OTHERWISE INDICATED, ALL NEW WALL MOUNTED FIXTURE (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) SHALL BE PROVIDED WITH NEW FLOOR MOUNTED FIXTURE CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
 - UNLESS OTHERWISE INDICATED, CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF. REUTILIZING EXISTING ROOF PENETRATION. FIELD VERIFY LOCATION AND PROVIDE NEW FLASHING, COLLAR, ETC. AS REQUIRED.

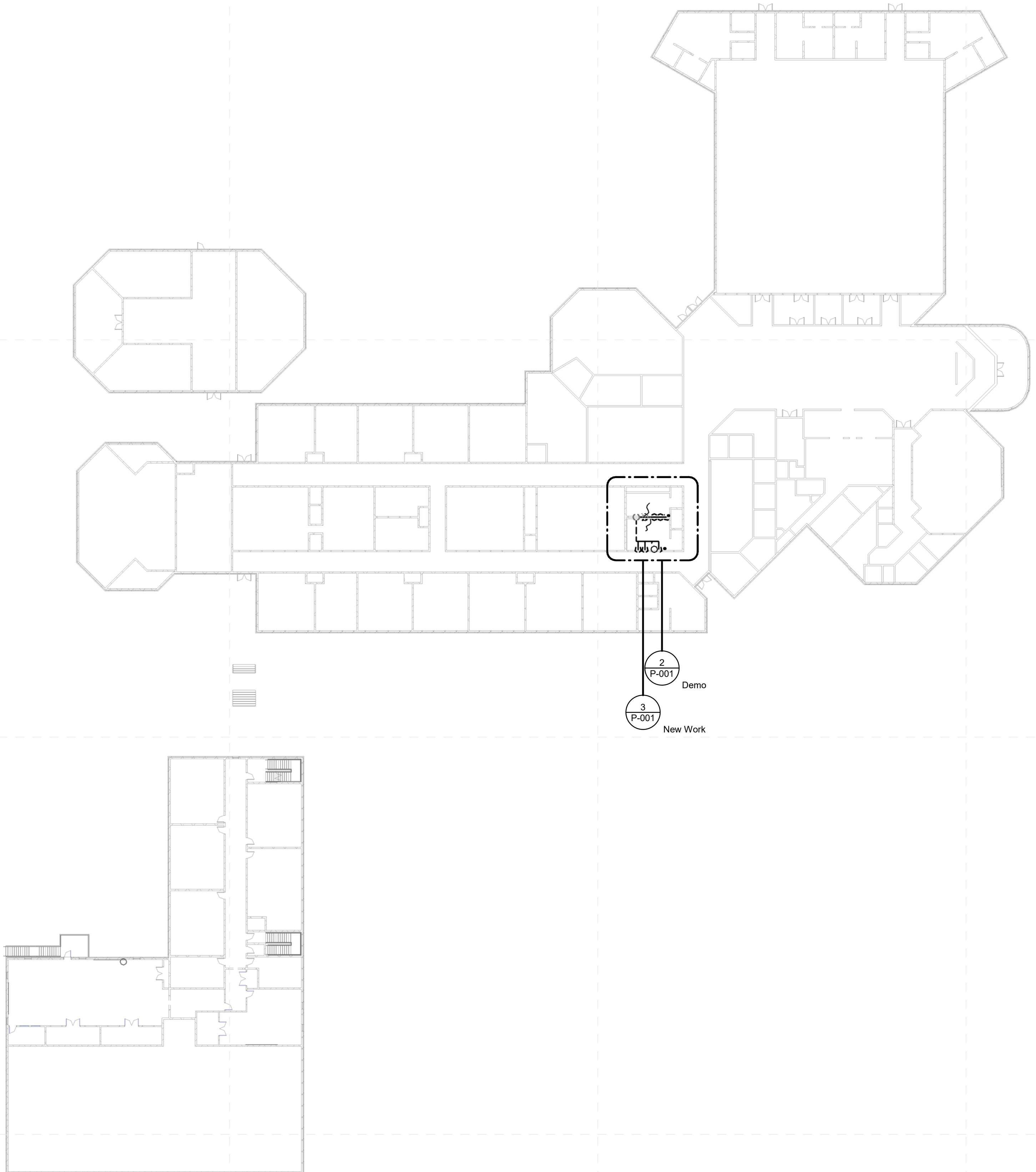
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P3	PROVIDE NEW PLUMBING FIXTURES AS INDICATED.
P4	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P5	CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF. REUTILIZING EXISTING ROOF PENETRATION.
P6	EXTEND NEW FULL SIZE WATER HEADER PIPING HORIZONTALLY IN PLUMBING CHASES WITH BRANCH PIPING TO SERVE INDIVIDUAL FIXTURES SIZED PER PLUMBING FIXTURE ROUGH-IN SCHEDULE AND INCLUDING WATER HAMMER ARRESTERS.
P7	1/2" TYPE K SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR.



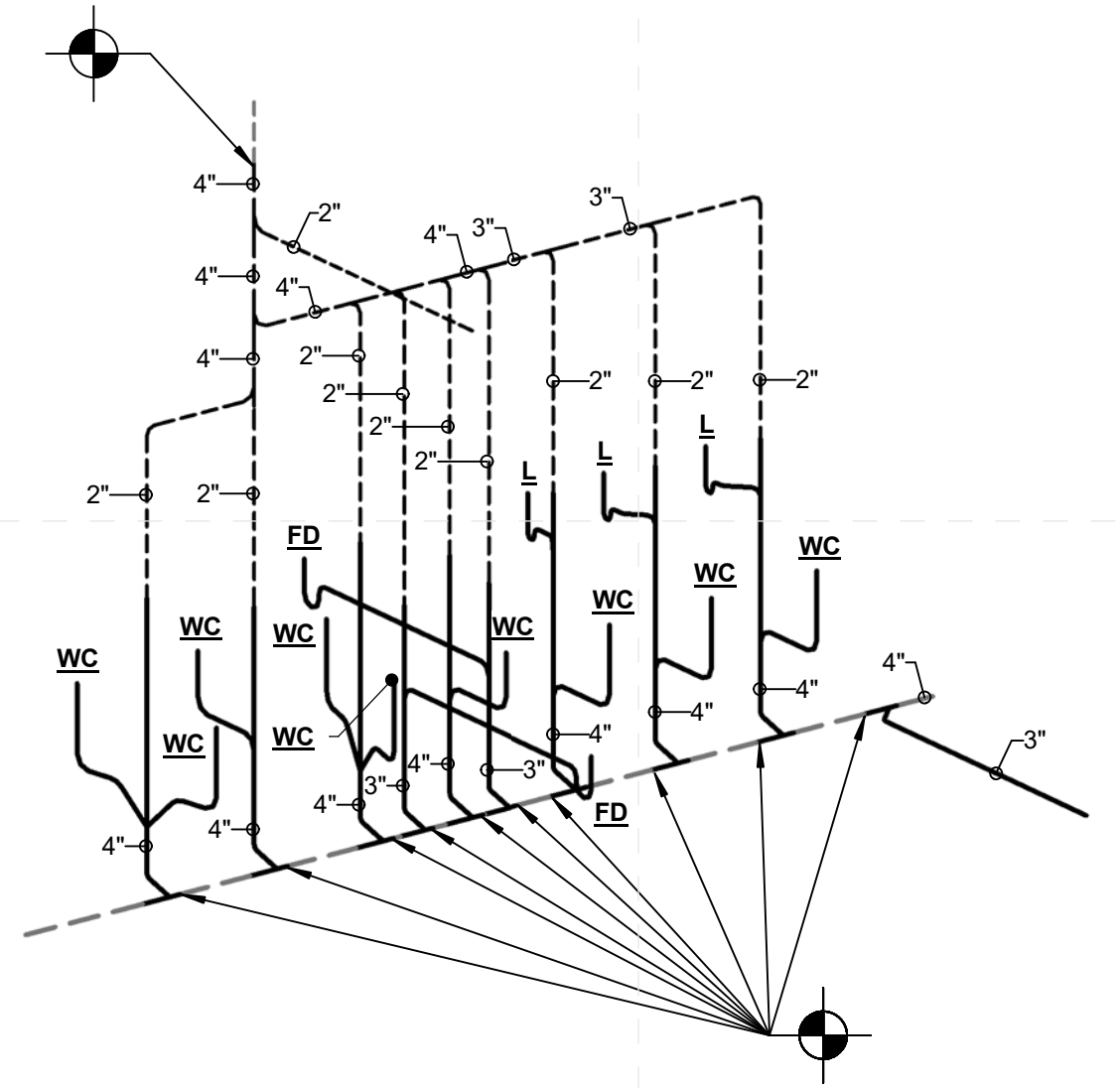
2 Enlarged High School Toilet Plumbing Plan - Demo
1/4" = 1'-0"



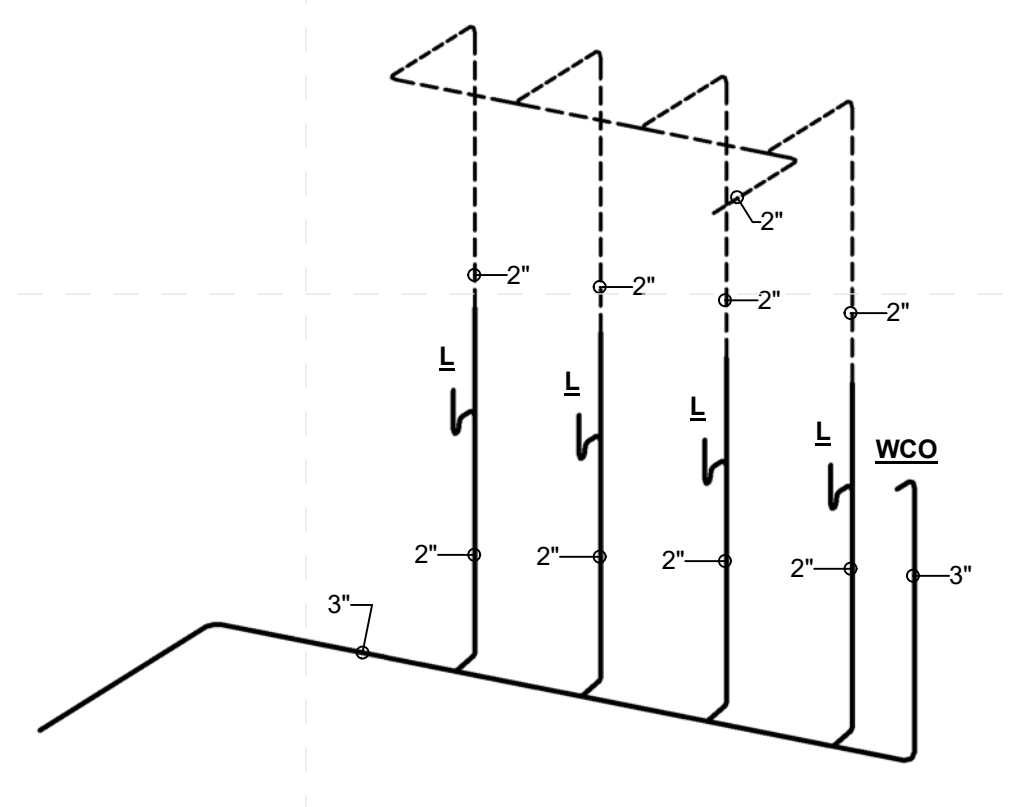
3 Enlarged High School Toilet Plumbing Plan - New Work
1/4" = 1'-0"



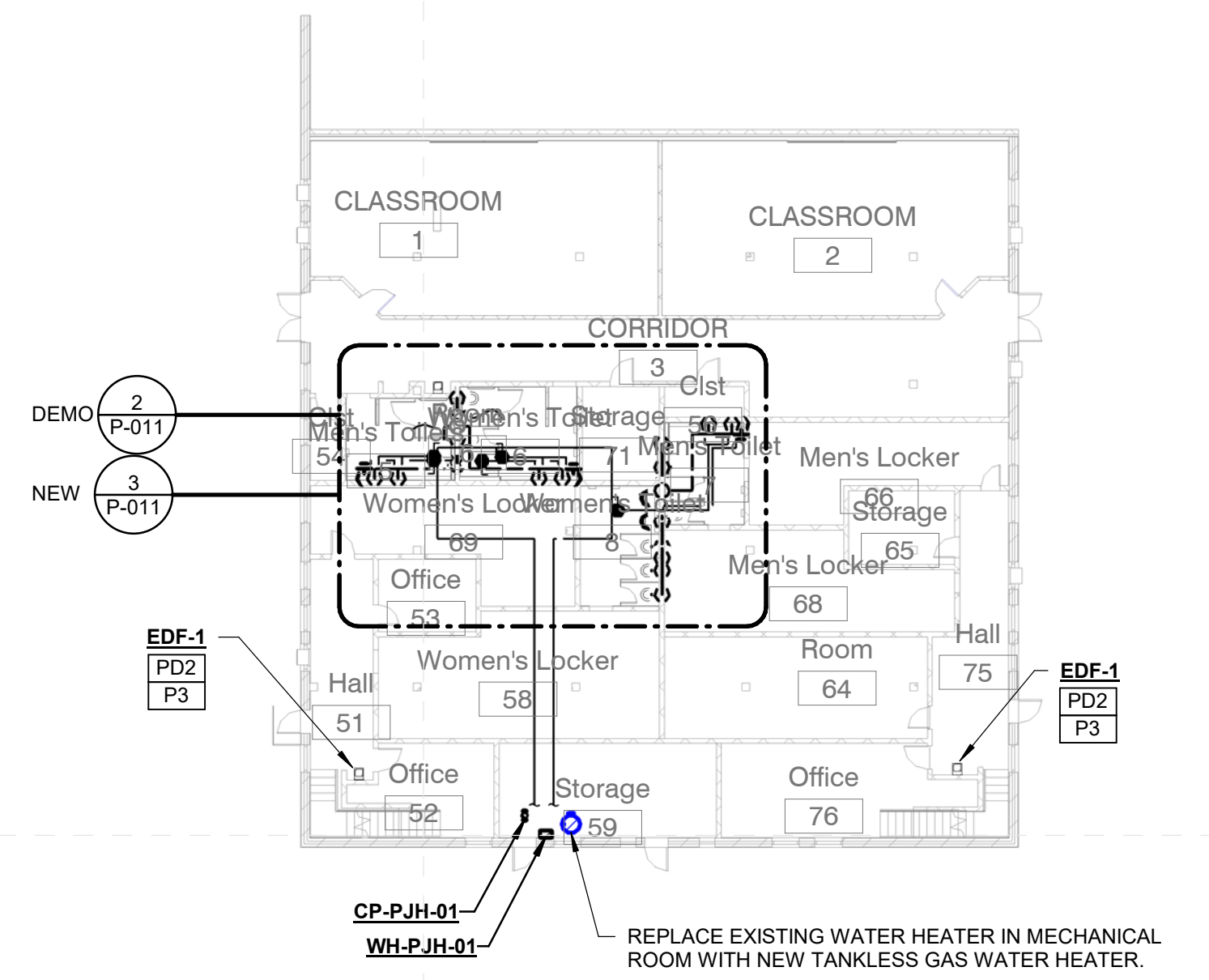
1 PCS High School Overall Second Level Plumbing Plan
1" = 30'-0"



4 Plumbing Riser 1 (High)
P-001



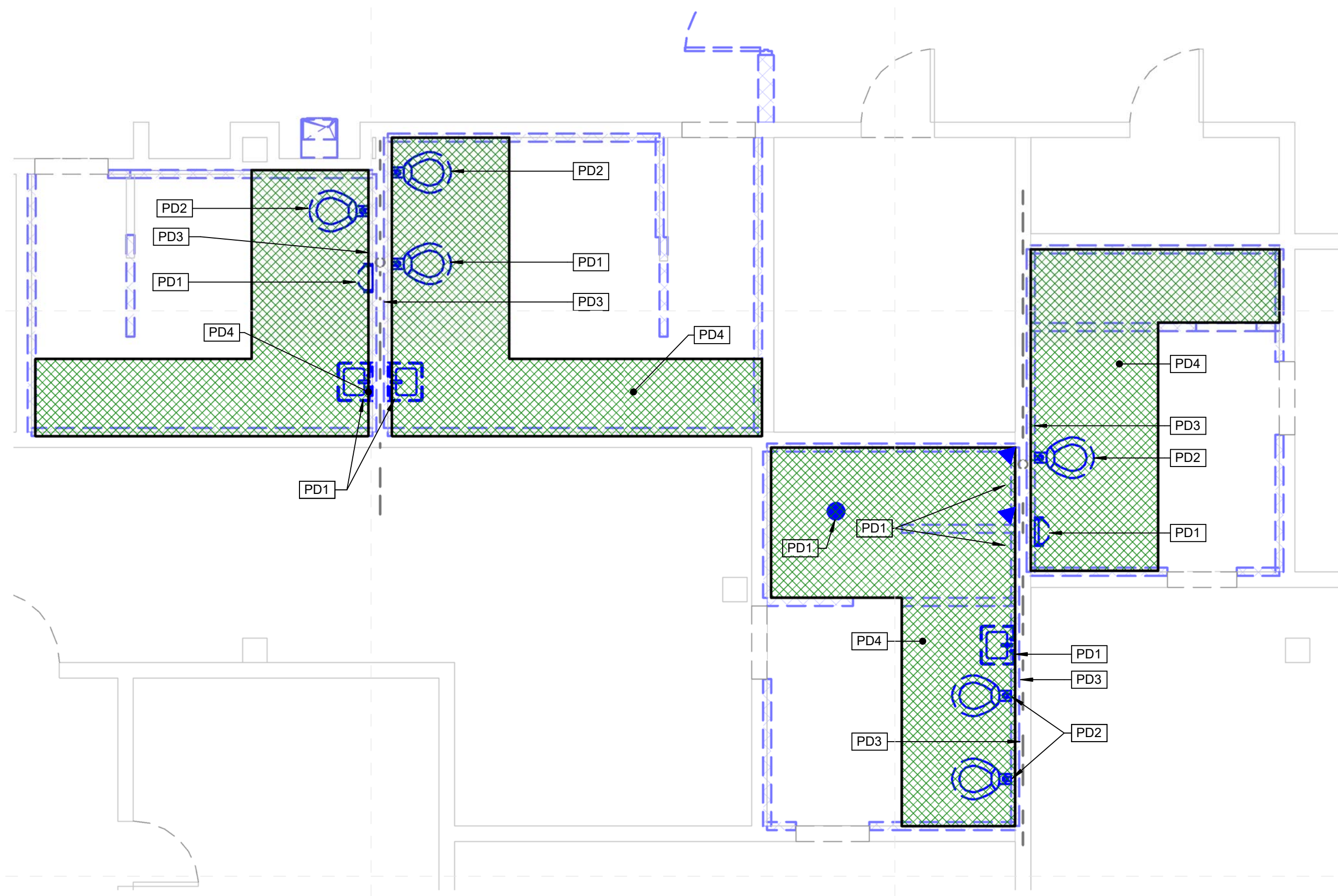
5 Plumbing Riser 2 (High)
P-001



REPLACE EXISTING WATER HEATER IN MECHANICAL ROOM WITH NEW TANKLESS GAS WATER HEATER.

REPLACEMENT NOTES:

- DEMOLISH ALL EXISTING WATER PIPING TO POINT OF EXISTING COLD WATER FEED AND RE-PIPE AS REQUIRED, COORDINATED WITH NEW DUCTWORK LAYOUT IN ROOM.
- ROUTE NEW FUE AND CONNECT TO EXISTING UTILIZING MATERIAL RECOMMENDED BY MANUFACTURER.
- RE-CONNECT GAS PIPING TO EXISTING WATER HEATER BRANCH PIPING. PROVIDE NEW UNION, GAS COCK AND DRIP LEG. SEE DETAIL.

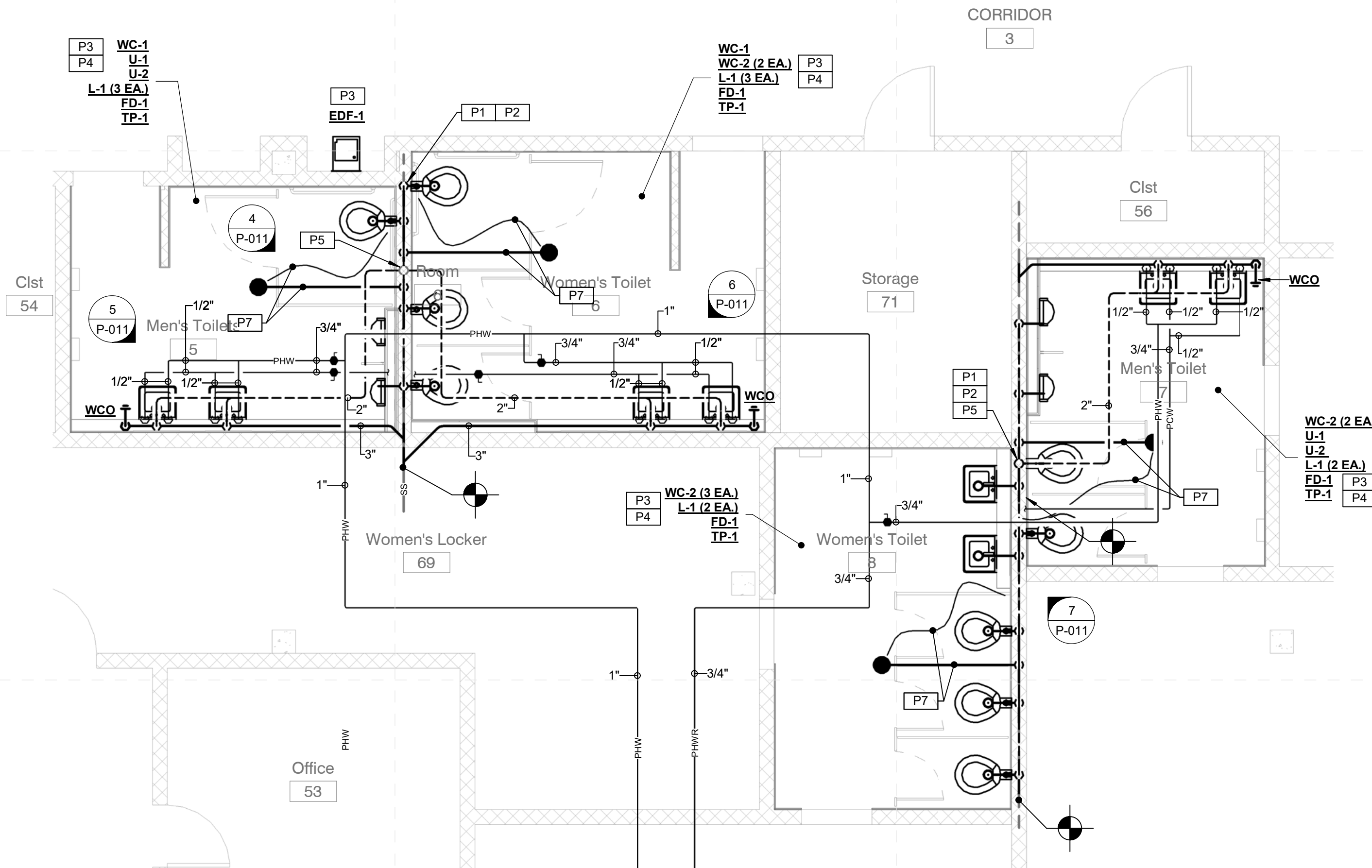
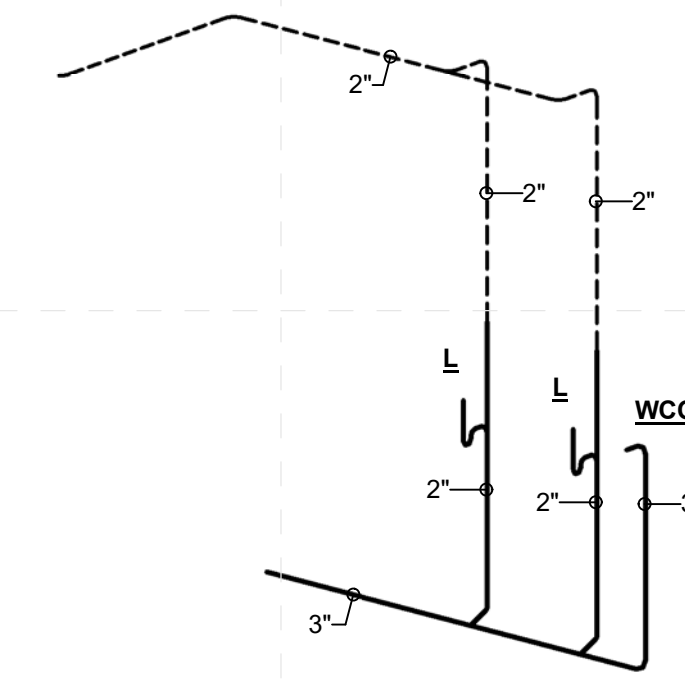
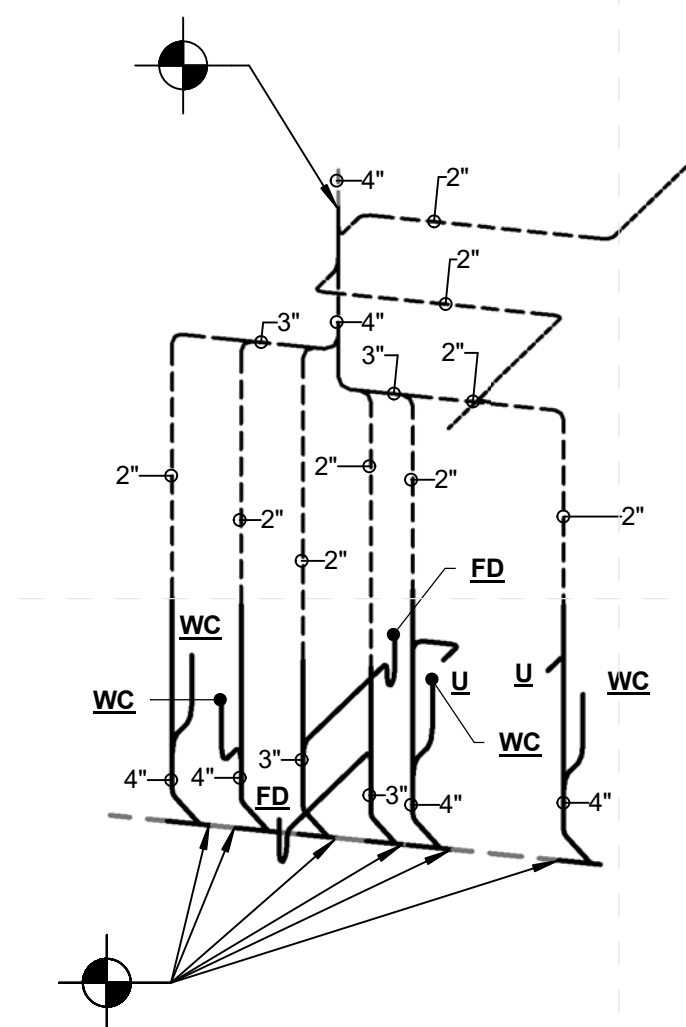


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1 P-011 1" = 20'-0"

2 P-011 1/4" = 1'-0"

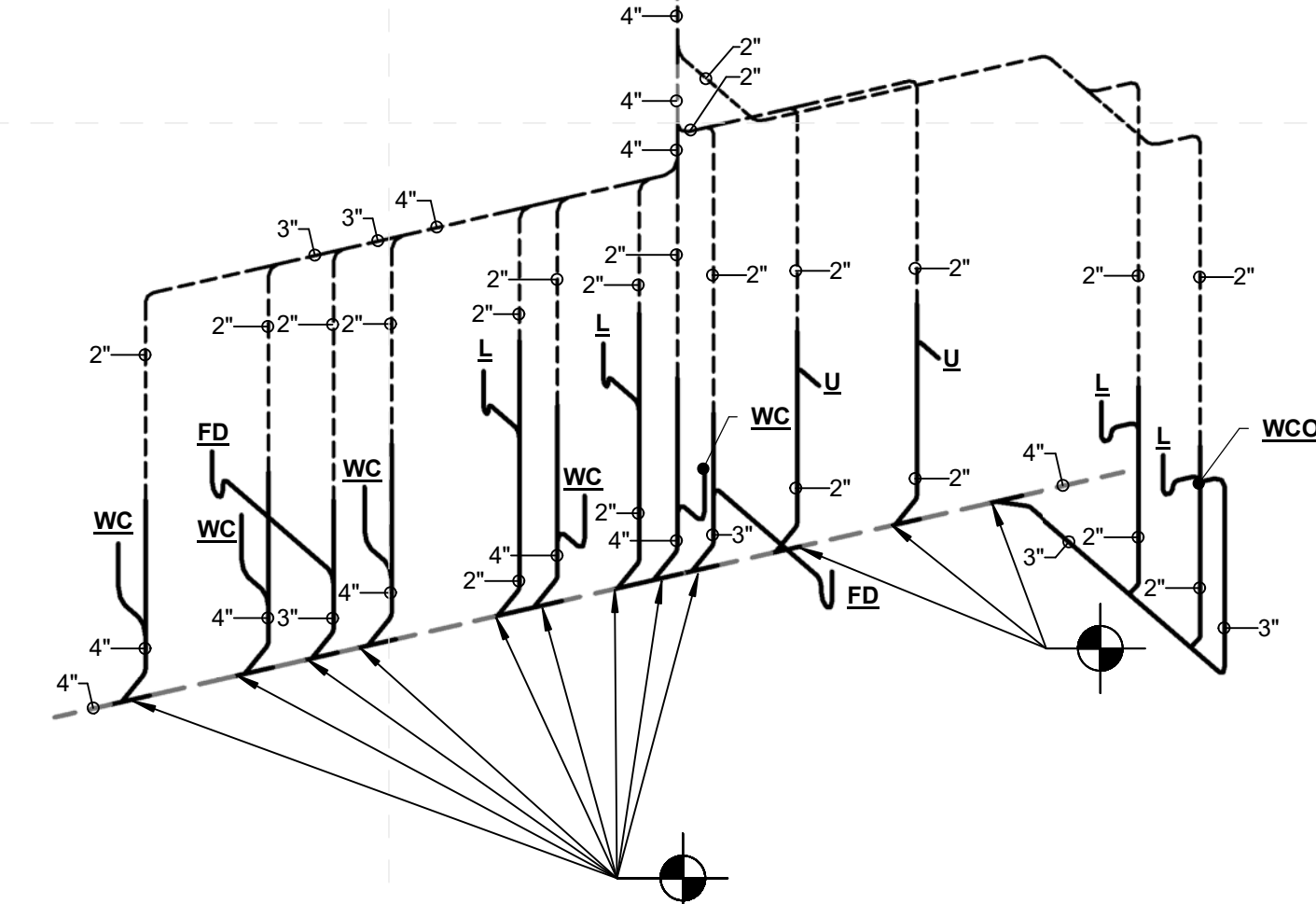
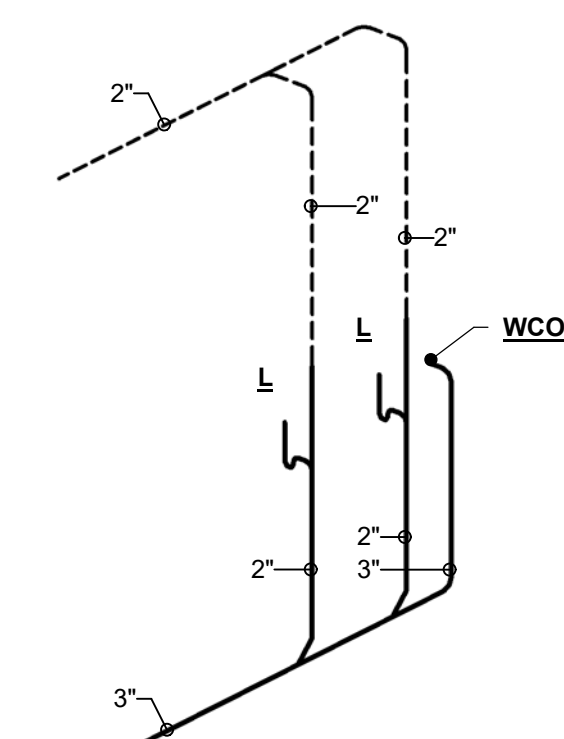


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P2	CONNECT TO AND MODIFY EXISTING NEARBY DOMESTIC WATER PIPING AND PROVIDE NEW FULL SIZE WATER SERVICE PIPING HEADER IN CHASE OR ABOVE CEILING, ETC. WITH BRANCH PIPING CONNECTIONS TO INDIVIDUAL FIXTURES AS INDICATED ON PLUMBING FIXTURE ROUGH-IN SCHEDULE. PROVIDE NEW WATER HAMMER ARRESTORS FOR EACH GROUP OF FIXTURES.
P3	PROVIDE NEW PLUMBING FIXTURES AS INDICATED.
P4	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS, ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P5	CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF. REUTILIZING EXISTING ROOF PENETRATION.
P7	1/2" TYPE 'K' SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR.

4 P-011

5 P-011

3 P-011 1/4" = 1'-0"

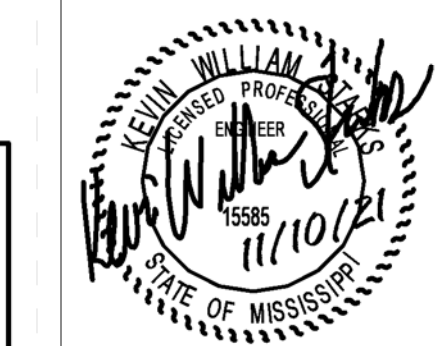


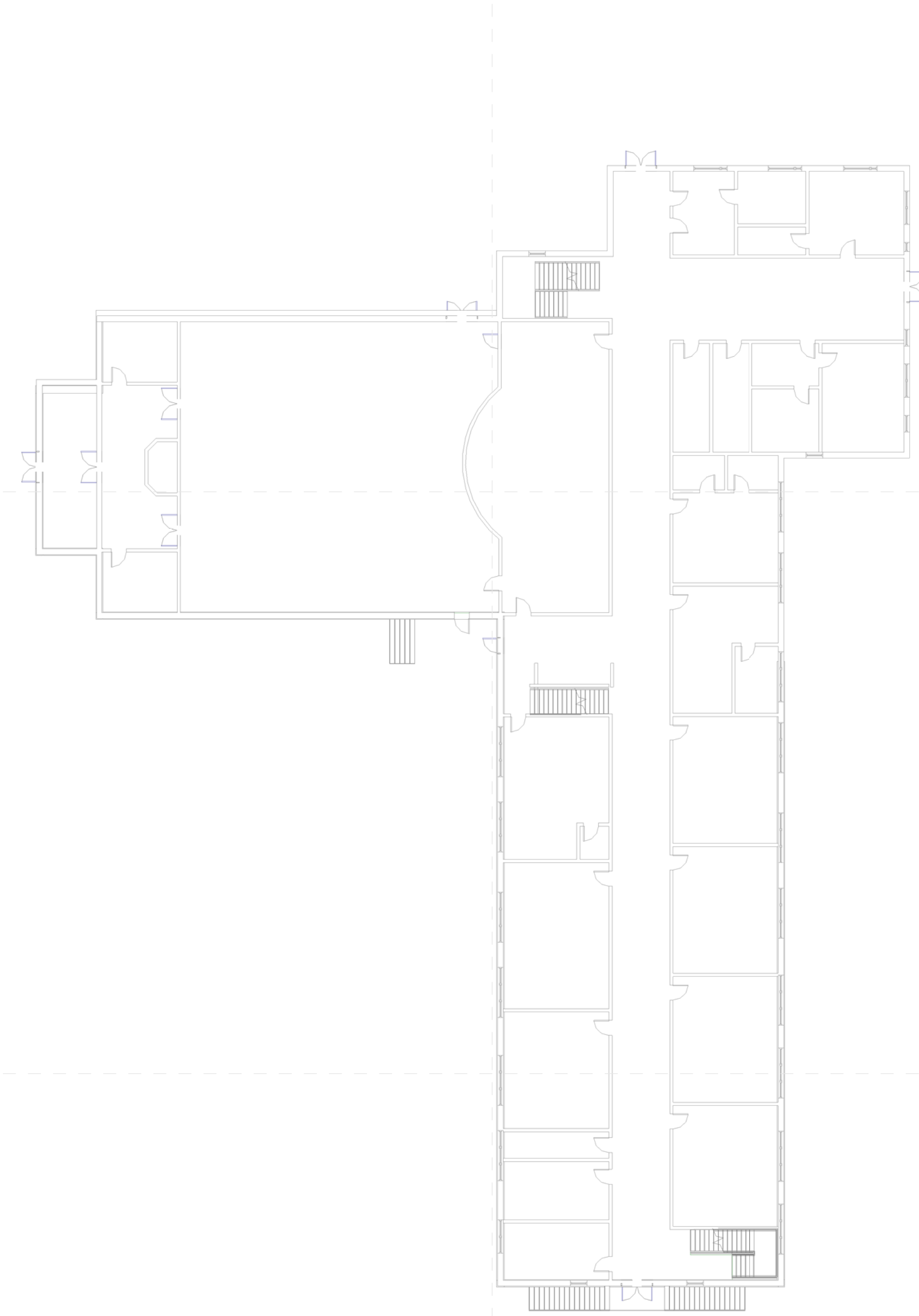
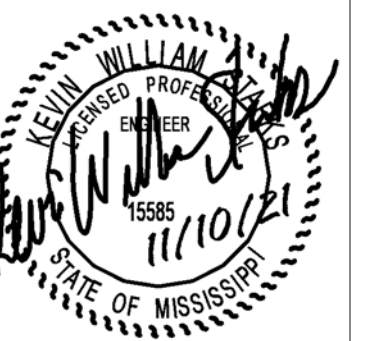
6 P-011

7 P-011

Plumbing Riser 3 (Jr. High)

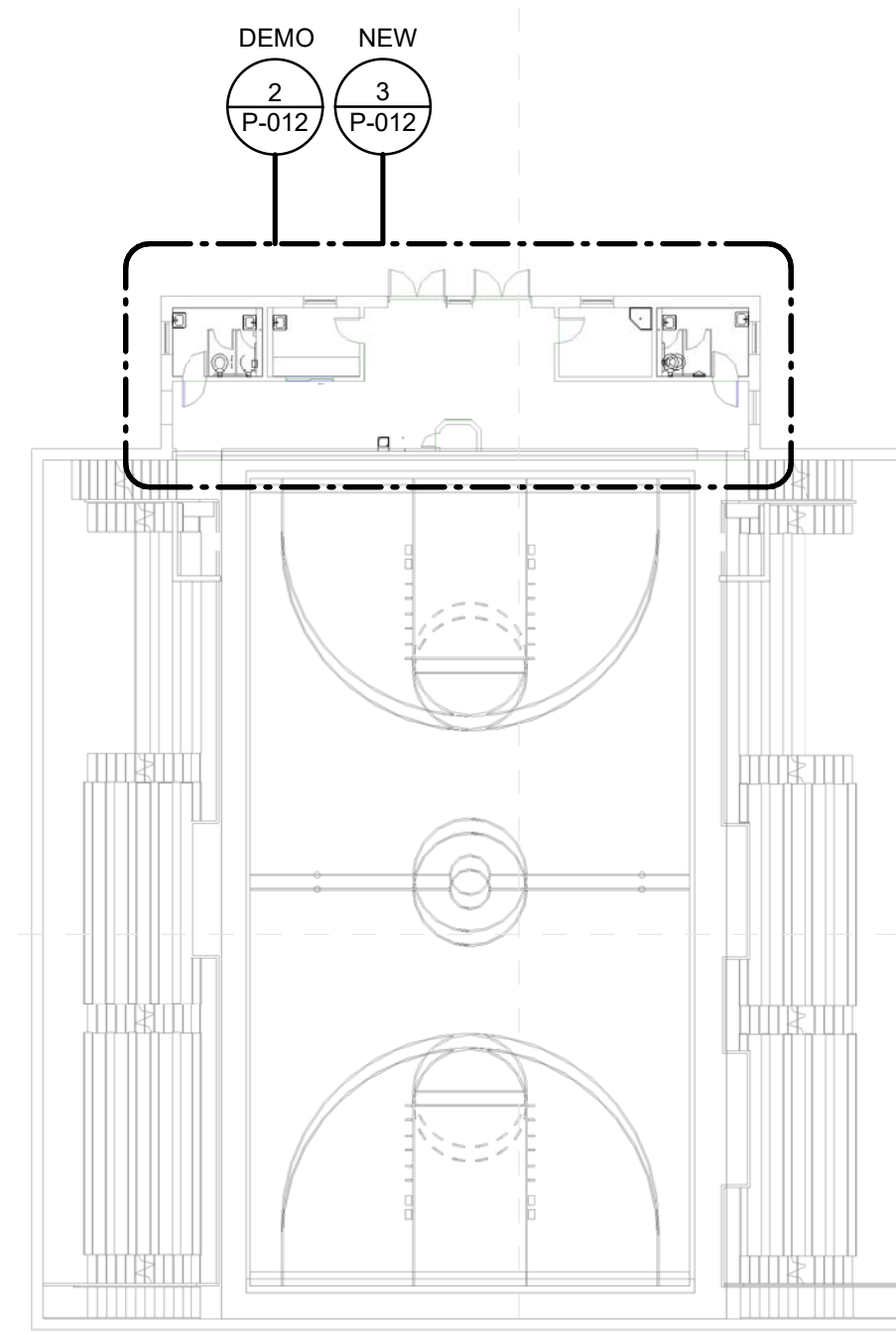
Plumbing Riser 4 (Jr. High)





PCS Junior High Overall Second Level Mechanical Plan

1
P-012
1" = 20'-0"

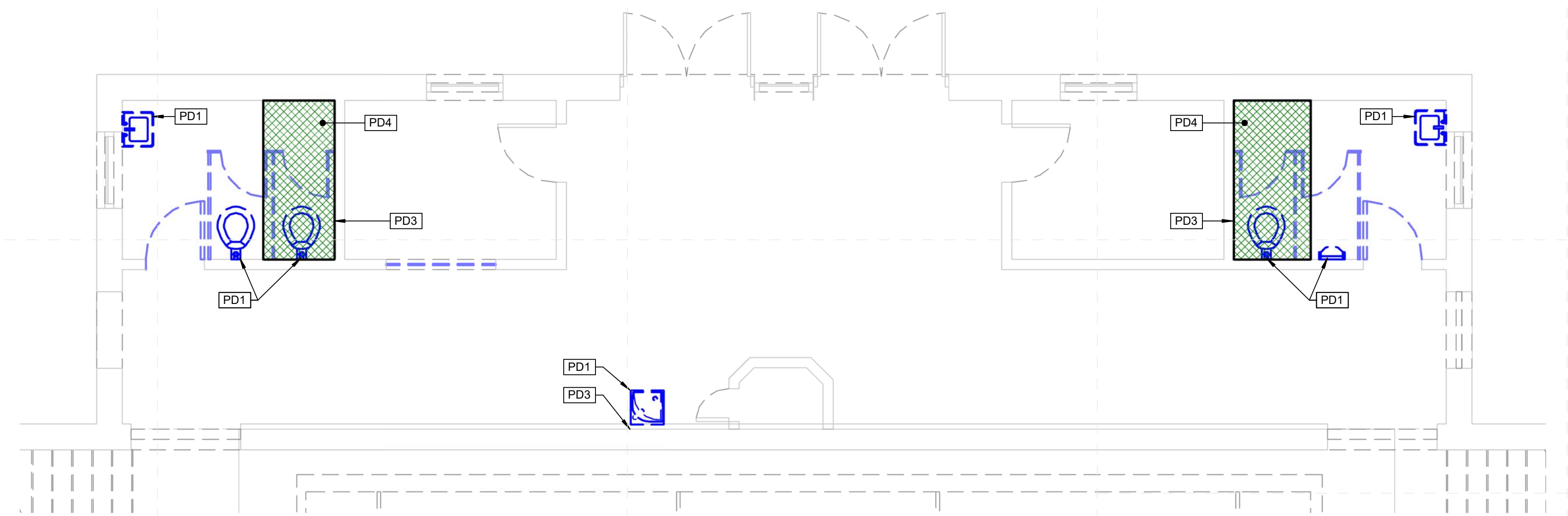


GENERAL PLUMBING RENOVATION NOTES:

- REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT OF ALL FIXTURES AND DESIGNATION OF ADA COMPLIANT FIXTURES. VERIFY/COORDINATE EXISTING ROUGH-IN LOCATIONS AND MODIFY ACCORDINGLY TO MATCH NEW MOUNTING HEIGHTS AND ADA COMPLIANCE.
- CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL NEW AND EXISTING PLUMBING UTILITIES WITHIN THE SCOPE OF WORK. THE USE OF EXISTING DRAWINGS WHERE AVAILABLE AND SCHOOL MAINTENANCE PERSONNEL SHOULD BE UTILIZED IN LOCATING PIPING INSIDE THE BUILDING WHERE CONNECTIONS TO EXISTING ARE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESEARCH LOCATION OF EXISTING UTILITIES AND EXISTING CONDITIONS.
- IN ALL AREAS OF RENOVATION, UNLESS OTHERWISE INDICATED, EXISTING PLUMBING SERVICES SHALL BE MODIFIED AND EXTENDED IN CHASES, WALLS, BELOW SLAB/FLOOR AND/OR ABOVE CEILING AS REQUIRED TO CONNECT TO NEW PLUMBING FIXTURES AND/OR RECONNECT EXISTING PLUMBING FIXTURES WHERE INDICATED.
- UNLESS OTHERWISE INDICATED, IN MULTI-FIXTURE PLUMBING BATTERIES, OPEN WALL, CONNECT TO AND MODIFY EXISTING NEARBY DOMESTIC WATER PIPING AND PROVIDE NEW FULL-SIZE WATER SERVICE PIPING HEADER IN CHASE OR ABOVE CEILING, ETC. WITH BRANCH PIPING CONNECTIONS TO INDIVIDUAL FIXTURES AS INDICATED ON PLUMBING FIXTURE ROUGH-IN SCHEDULE. PROVIDE NEW WATER HAMMER ARRESTORS FOR EACH GROUP OF FIXTURES. PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
- OPEN WALLS AND MODIFY EXISTING WATER PIPING AS NEW ADA WATER CLOSET INSTALLATIONS WHERE REQUIRED FOR NEW ADA COMPLIANT FLUSH VALVE INSTALLATION. PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
- UNLESS OTHERWISE INDICATED, ALL NEW WALL MOUNTED FIXTURE (LAVATORIES, URINALS, DRINKING FOUNTAINS, ETC.) SHALL BE PROVIDED WITH NEW FLOOR MOUNTED FIXTURE CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH AND REPAIR ALL AREAS AFFECTED AS DIRECTED/APPROVED BY ARCHITECT.
- UNLESS OTHERWISE INDICATED, CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF, REUTILIZING EXISTING ROOF PENETRATION. FIELD VERIFY LOCATION AND PROVIDE NEW FLASHING, COLLAR, ETC. AS REQUIRED.

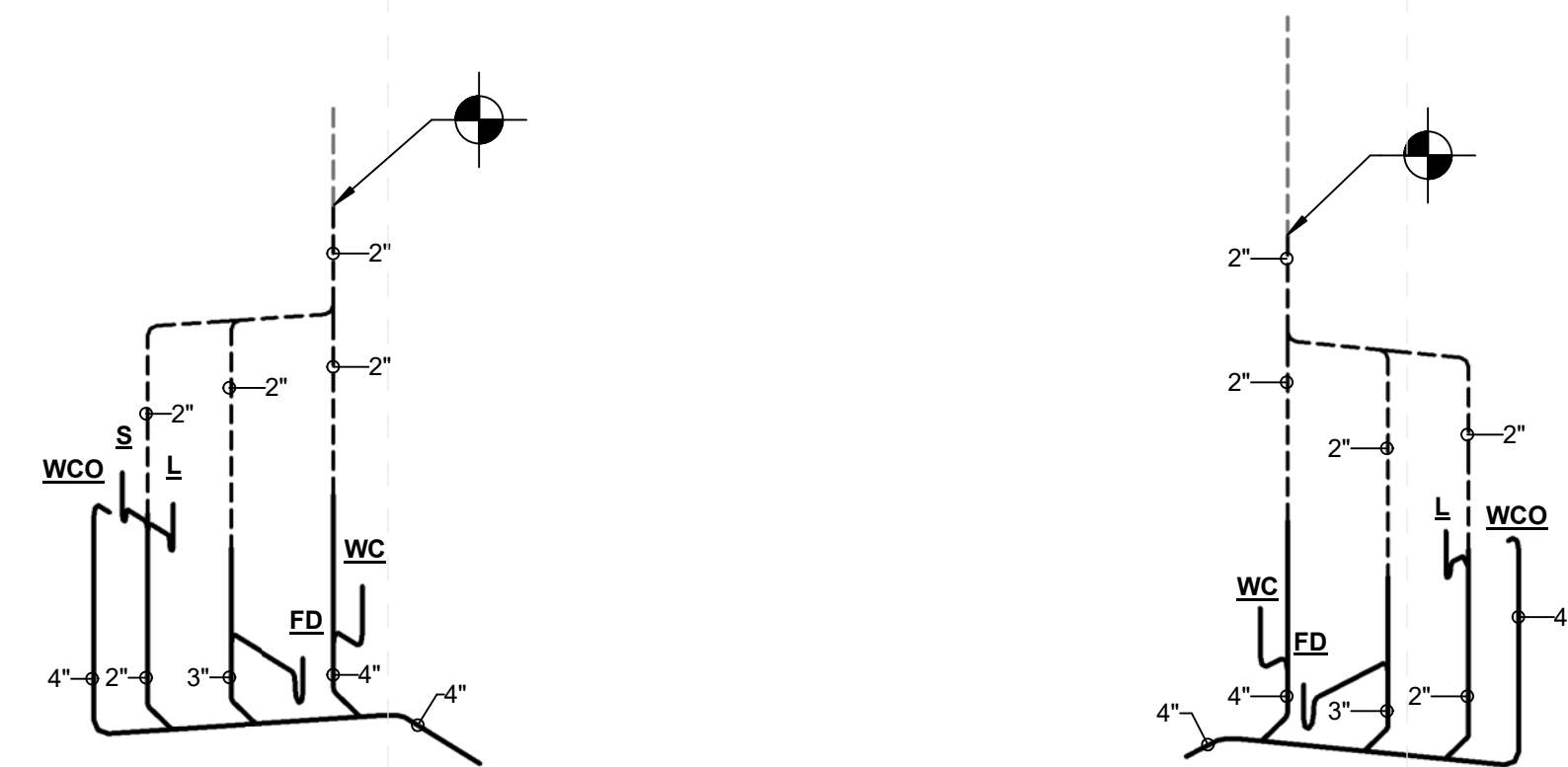
SPECIFIC PLUMBING DEMOLITION NOTES

PD1	DEMOLISH EXISTING PLUMBING FIXTURE AS INDICATED AND CAP SERVICES.
PD3	OPEN EXISTING WALL/CHASE FOR NEW PLUMBING INSTALLATIONS.
PD4	SAWCUT EXISTING FLOOR SLAB AS DENOTED BY HATCHING AS REQUIRED FOR INSTALLATION OF NEW WORK.



Enlarged Jr. High School Toilet Plumbing Plan (2nd Level) - Demo

2
P-012
1/4" = 1'-0"



Plumbing Riser 5 (Jr. High)

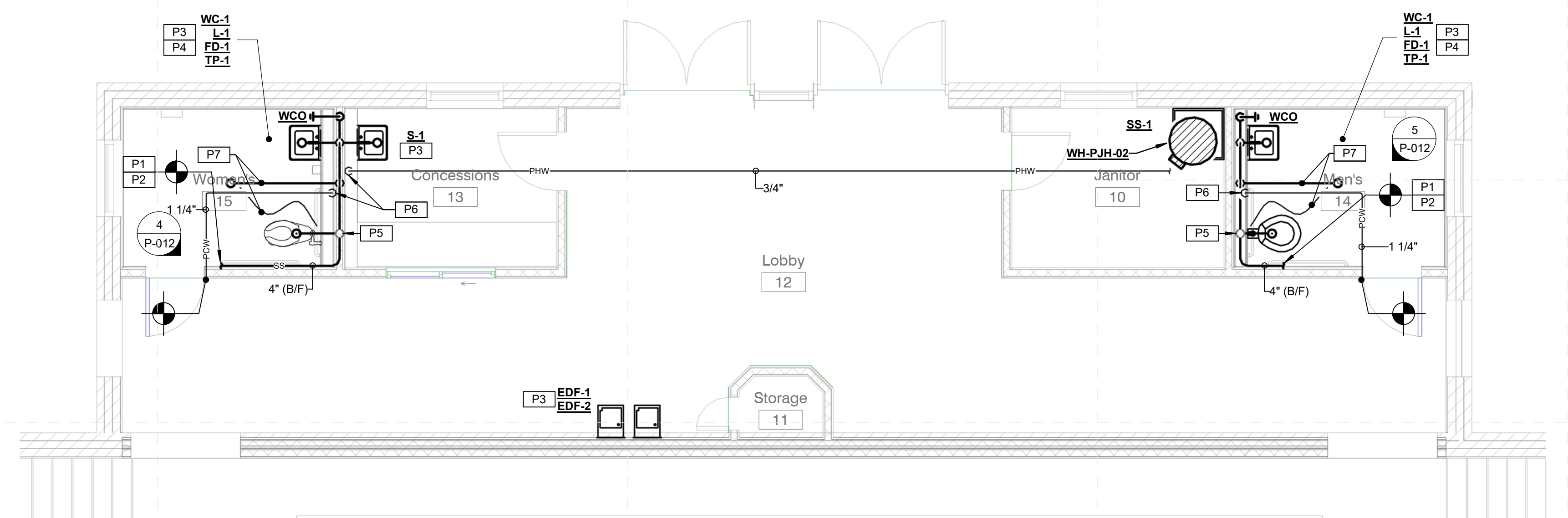
4
P-012

Plumbing Riser 6 (Jr. High)

5
P-012

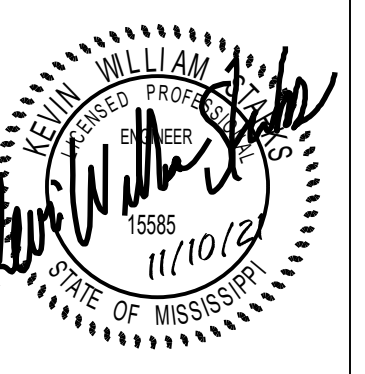
SPECIFIC PLUMBING NOTES

P1	EXTEND TO NEW AND EXISTING PLUMBING SERVICES IN CHASE WALLS, BELOW SLAB AS APPLICABLE TO CONNECT TO AND SERVE NEW PLUMBING FIXTURES. THE USE OF EXISTING DRAWINGS WHERE AVAILABLE AND FACILITY MAINTENANCE PERSONNEL, SHOULD BE UTILIZED IN LOCATING PIPING INSIDE THE BUILDING WHERE CONNECTIONS TO EXISTING ARE REQUIRED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO RESEARCH LOCATION OF EXISTING UTILITIES AND EXISTING CONDITIONS.
P2	CONNECT TO AND MODIFY EXISTING NEARBY DOMESTIC WATER PIPING AND PROVIDE NEW FULL SIZE WATER SERVICE PIPING HEADER IN CHASE OR ABOVE CEILING, ETC. WITH BRANCH PIPING CONNECTIONS TO INDIVIDUAL FIXTURES AS INDICATED ON PLUMBING FIXTURE ROUGH-IN SCHEDULE. PROVIDE NEW WATER HAMMER ARRESTORS FOR EACH GROUP OF FIXTURES.
P3	PROVIDE NEW PLUMBING FIXTURES AS INDICATED.
P4	PROVIDE ALL NEW WALL MOUNTED FIXTURES (LAVATORIES, URINALS ETC.) WITH NEW FLOOR MOUNTED WALL CARRIERS. OPEN WALLS AS REQUIRED TO INSTALL SAME AND PATCH/REPAIR AS DIRECTED/APPROVED BY ARCHITECT.
P5	CONNECT TO EXISTING PLUMBING VENT THROUGH ROOF, REUTILIZING EXISTING ROOF PENETRATION.
P6	EXTEND NEW FULL SIZE WATER HEADER PIPING HORIZONTALLY IN PLUMBING CHASES WITH BRANCH PIPING TO SERVE INDIVIDUAL FIXTURES SIZED PER PLUMBING FIXTURE ROUGH-IN SCHEDULE AND INCLUDING WATER HAMMER ARRESTERS.
P7	1/2" TYPE 'K' SOFT COPPER TRAP PRIMER AND 3" WASTE BELOW SLAB/FLOOR.



Enlarged Jr. High School Toilet Plumbing Plan (2nd Level) - New Work

3
P-012
1/4" = 1'-0"



MARK	ADA REQ'D	DESCRIPTION	ROUGH-IN REQUIREMENTS					FIXTURE MAKE AND MODEL	FAUCET MAKE AND MODEL	DESCRIPTION	FLOOR MTND. CARRIER REQ'D
			WASTE	VENT	120° F HW	CW	TEMPERED				
WC-1	YES	WATER CLOSET - FLOOR MOUNTED FLUSH VALVE (BATTERY POWERED SENSOR)	4"	2"-4"	-	1"	-	KOHLER K-98057	ZURN ZER-6000AV-WS1-MOB	-	NO
WC-2	NO	WATER CLOSET - FLOOR MOUNTED FLUSH VALVE (BATTERY POWERED SENSOR)	4"	2"-4"	-	1"	-	KOHLER K-98054	ZURN ZER-6000AV-WS1-MOB	-	NO
U-1	YES	URINAL - WALL MOUNTED WASHOUT TYPE (BATTERY POWERED SENSOR)	2"	2"	-	3/4"	-	KOHLER K-4904-ET-0	ZURN ZER-6003PL-WS1-CCP-MOB	-	YES
U-2	NO	URINAL - WALL MOUNTED WASHOUT TYPE (BATTERY POWERED SENSOR)	2"	2"	-	3/4"	-	KOHLER K-4904-ET-0	ZURN ZER-6003PL-WS1-CCP-MOB	-	YES
L-1	YES	LAVATORY - WALL MOUNTED TYPE (BATTERY POWERED SENSOR)	2"	2"	-	-	1/2"	KOHLER K-2007	ZURN Z6950-XL-S	0.5 GPM VANDAL RESISTANT LAMINAR FLOW OUTLET	YES
S-1	NO	SINK - WALL MOUNTED SINGLE LARGE STAINLESS STEEL KITCHEN SINK (27"x21.5"x12")	2"	2"	1/2"	1/2"	-	ADVANCE TABCO FC-WM-2721	ADVANCE TABCO MODEL K-101	WIDE SPREAD FAUCET, WRIST BLADE HANDLES, 1.5 GPM VANDAL RESISTANT AERATOR	NO
SS-1	NO	SERVICE SINK - FLOOR MOUNTED TERRAZZO CORNER TYPE, 24"	3"	2"	1/2"	1/2"	-	ACORN TN-24	T&S BRASS B-0665-BSTR	PROVIDE WITH KMH MOP HANGER AND KWG WALL GUARDS	NO
EDF-1	YES	ELECTRIC DRINKING FOUNTAIN - WALL MOUNTED TYPE w/BOTTLE FILLER	2"	2"	-	1/2"	-	MURDOCK A171408F-BF2S	-	SENSOR OPERATED WATER FILLING STATION, WATER FILTER, CANE TOUCH APRON	YES
EDF-2	NO	ELECTRIC DRINKING FOUNTAIN - WALL MOUNTED TYPE	2"	2"	-	1/2"	-	MURDOCK A171408F	-	WATER FILTER, CANE TOUCH APRON	YES
TP-1	NO	TRAP PRIMER - CONNECT TO FLUSH VALVE ASSEMBLY	-	-	-	1/2"	-	ZURN Z-6000 TPO	-	-	NO
FD-1	NO	FLOOR DRAIN - GENERAL DRAINAGE IN TOILET AREAS	3"	2"	-	-	-	ZURN MODEL Z415-7B	-	-	NO
FFCO	NO	FINISHED FLOOR CLEANOUT	2"-4"	-	-	-	-	ZURN MODEL Z1400	-	-	NO
WCO	NO	WALL CLEANOUT	2"-4"	-	-	-	-	ZURN MODEL Z1446	-	-	NO

SERVICE	MATERIAL	JOINING	TESTS REQUIRED	PIPING INSULATION AND THICKNESS
DOMESTIC WATER ABOVE SLAB ON GRADE	TYPE 'L' COPPER	LEAD FREE SOLDER OR PRESS FITTINGS	PER INTERNATIONAL PLUMBING CODE	1" THICK MOLDED FIBERGLASS
SANITARY WASTE AND VENT ABOVE SLAB ON GRADE	SCH. 40 PVC (SOLID CORE) WITH DWV FITTINGS	SOLVENT WELD (GLUE)	PER INTERNATIONAL PLUMBING CODE	NONE
SANITARY WASTE AND VENT PIPING BELOW SLAB ON GRADE	SCH. 40 PVC (SOLID CORE) WITH DWV FITTINGS	SOLVENT WELD (GLUE)	PER INTERNATIONAL PLUMBING CODE	NONE
SANITARY WASTE AND VENT PIPING BELOW GRADE (OUTSIDE)	SCH. 40 PVC (SOLID CORE) WITH DWV FITTINGS	SOLVENT WELD (GLUE)	PER INTERNATIONAL PLUMBING CODE	NONE
CONDENSATE DRAIN ABOVE SLAB ON GRADE	SCH. 40 PVC (SOLID CORE) WITH DWV FITTINGS	SOLVENT WELD (GLUE)	PER INTERNATIONAL PLUMBING CODE	1/2" THICK ARMAFLEX

MARK	FUEL	STORAGE CAP., GAL.	RECOVERY G.P.H. AT 100° F RISE	MIN. GPM	INPUT KW	INPUT MBH	ELECTRICAL SERVICE	BASIS OF DESIGN	FEATURES/ACCESSORIES
PONTOTOC HIGH SCHOOL									
WH-PHS-01	ELEC.	TANKLESS	-	0.2	8.3	-	208V., 1ph	EEMAX MODEL SPEX8208T ML	1
WH-PHS-02	ELEC.	TANKLESS	-	0.2	8.3	-	208V., 1ph	EEMAX MODEL SPEX8208T ML	1
PONTOTOC JR. HIGH SCHOOL									
WH-PJH-01	N. GAS	TANKLESS	-	3.5 (MAX)	-	180.0	120V., 1ph	NORJZ MODEL E298	1, 2
WH-PJH-02	ELEC.	30	24	-	6.0	-	208V., 1ph	A.O. SMITH MODEL DEL-30	1, 3

FEATURES/ACCESSORIES:

- PROVIDE PIPING, VALVES AND ACCESSORIES PER DETAILS.
- PROVIDE RECIRCULATING PUMP AND PIPING PER DETAIL.

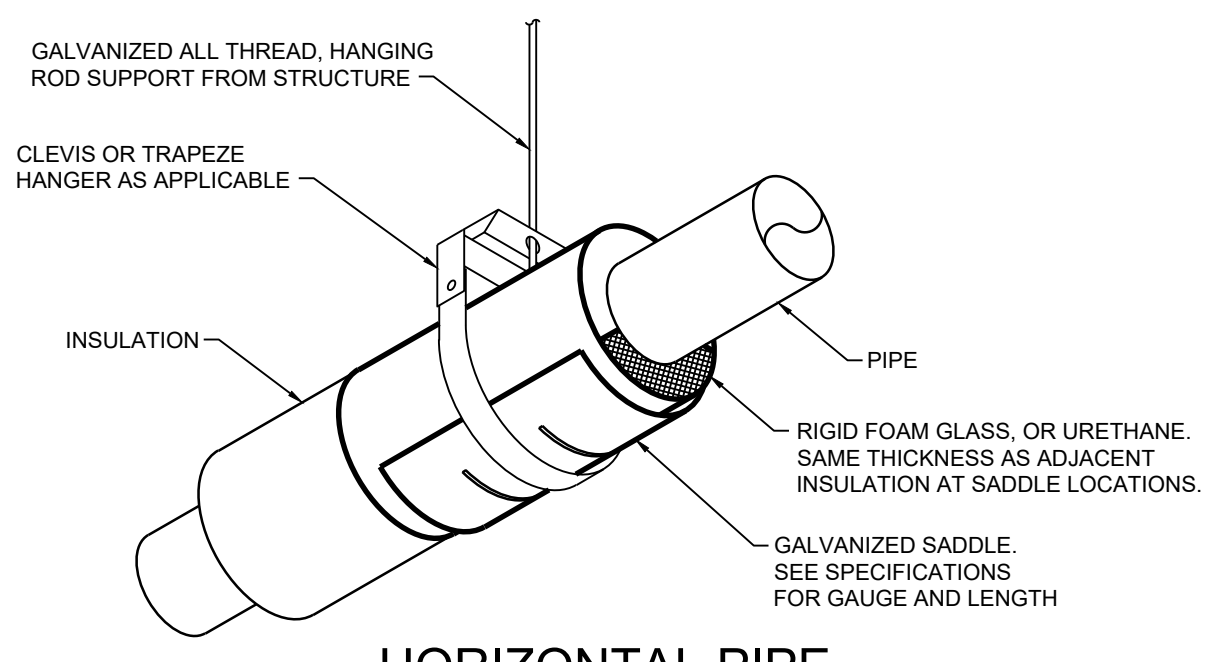
MARK	LOCATION	SYSTEM	CIRCULATING FLUIDS					NPSHR (FEET)	% EFF.	TYPE	ELECTRICAL DATA		BASIS OF DESIGN	
			FLUID	GPM	PUMP HEAD FT. FLUID	TEMP., °F	SP. GR.				NOM. HP	SERVICE RPM		
CP-PJH-01	WH-PJH-01	A	WATER	2	20	60-200	1	10	-	A	1/12	120V., 1ph	2650	BELL & GOSSETT MODEL PL-30B

[1] SYSTEM A. DOMESTIC HOT WATER RECIRCULATING (120°F)
[2] TYPE A. INLINE - LOW LEAD BRONZE OR STAINLESS STEEL

COMPARABLE PRODUCTS: BELL AND GOSSETT, PACO, TACO

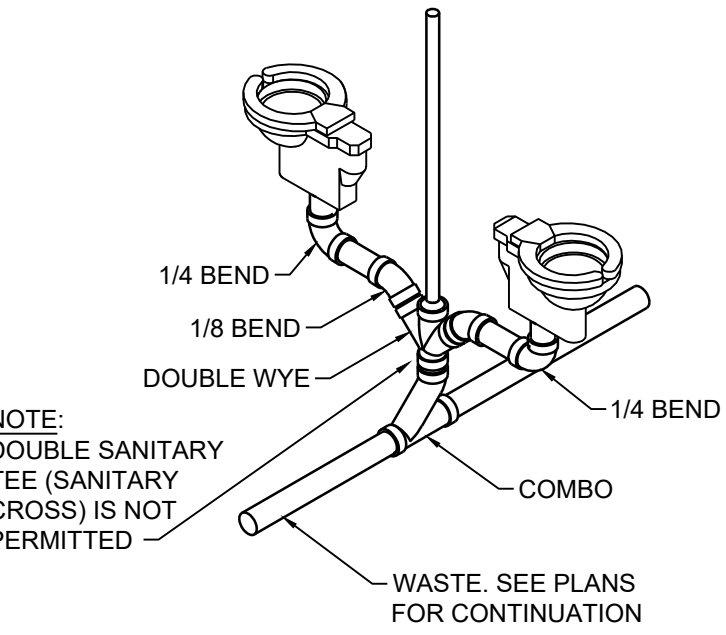
SERVING	HP OF EACH LOAD	ELECTRICAL CHARACTERISTICS	BASIS OF DESIGN	NOTES [1]
CP-PJH-01	1/12	120V., 1ph	FRANKLIN CONTROLS SYSTEMS MODEL BAS-1P	1, 2, 3

[1] NOTES:
1. COORDINATE CONTROL REQUIREMENTS TO ACHIEVE SEQUENCE OF OPERATIONS.
2. MOUNT STARTER WITHIN 10' OF EQUIPMENT SERVED. COORDINATE IN FIELD SPECIFIC LOCATION.
3. COMBINATION MOTOR STARTER/DISCONNECT.

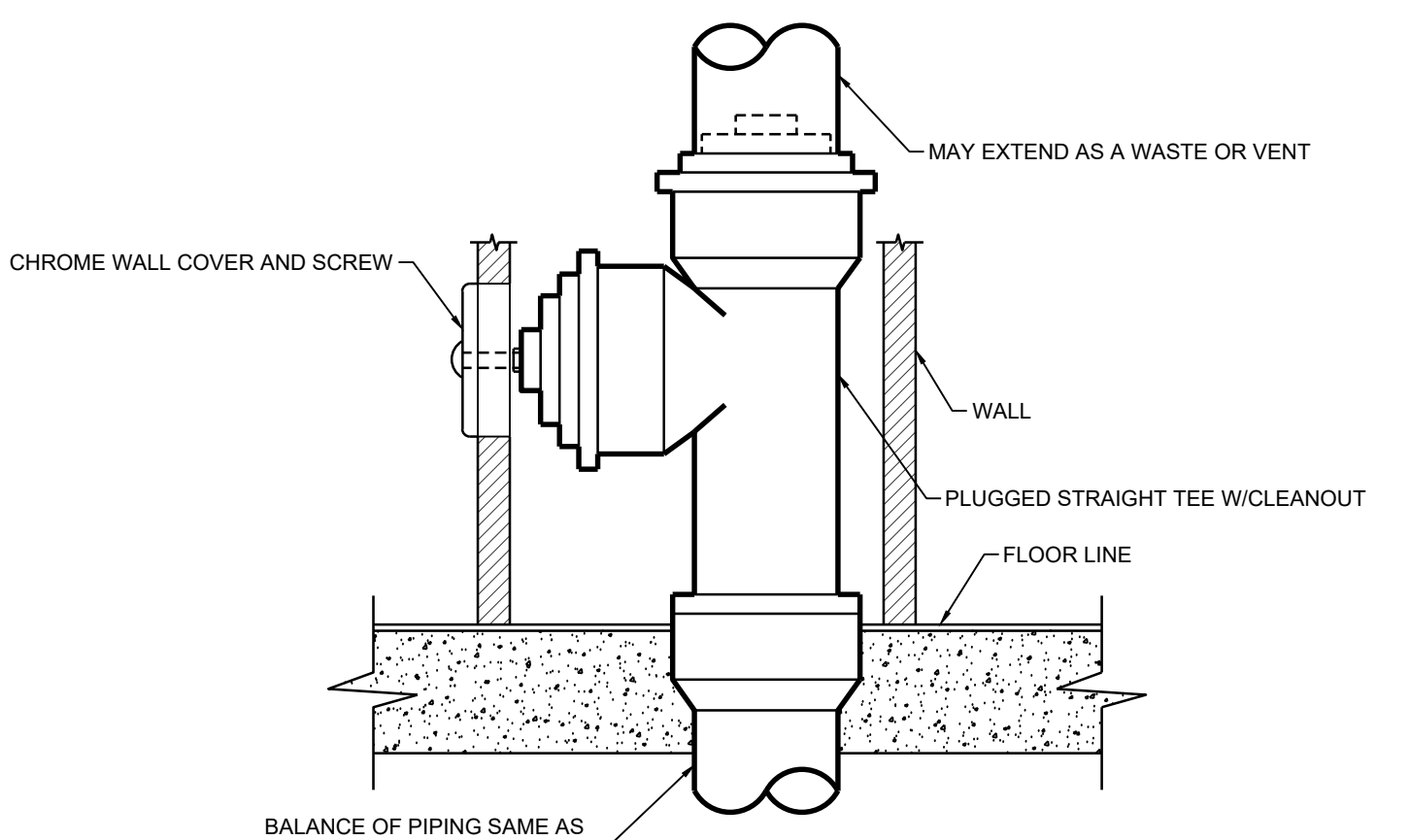


HORIZONTAL PIPE INSULATION AND HANGING DETAIL
N.T.S.

NOTE: UNINSULATED GAS PIPING SIMILAR

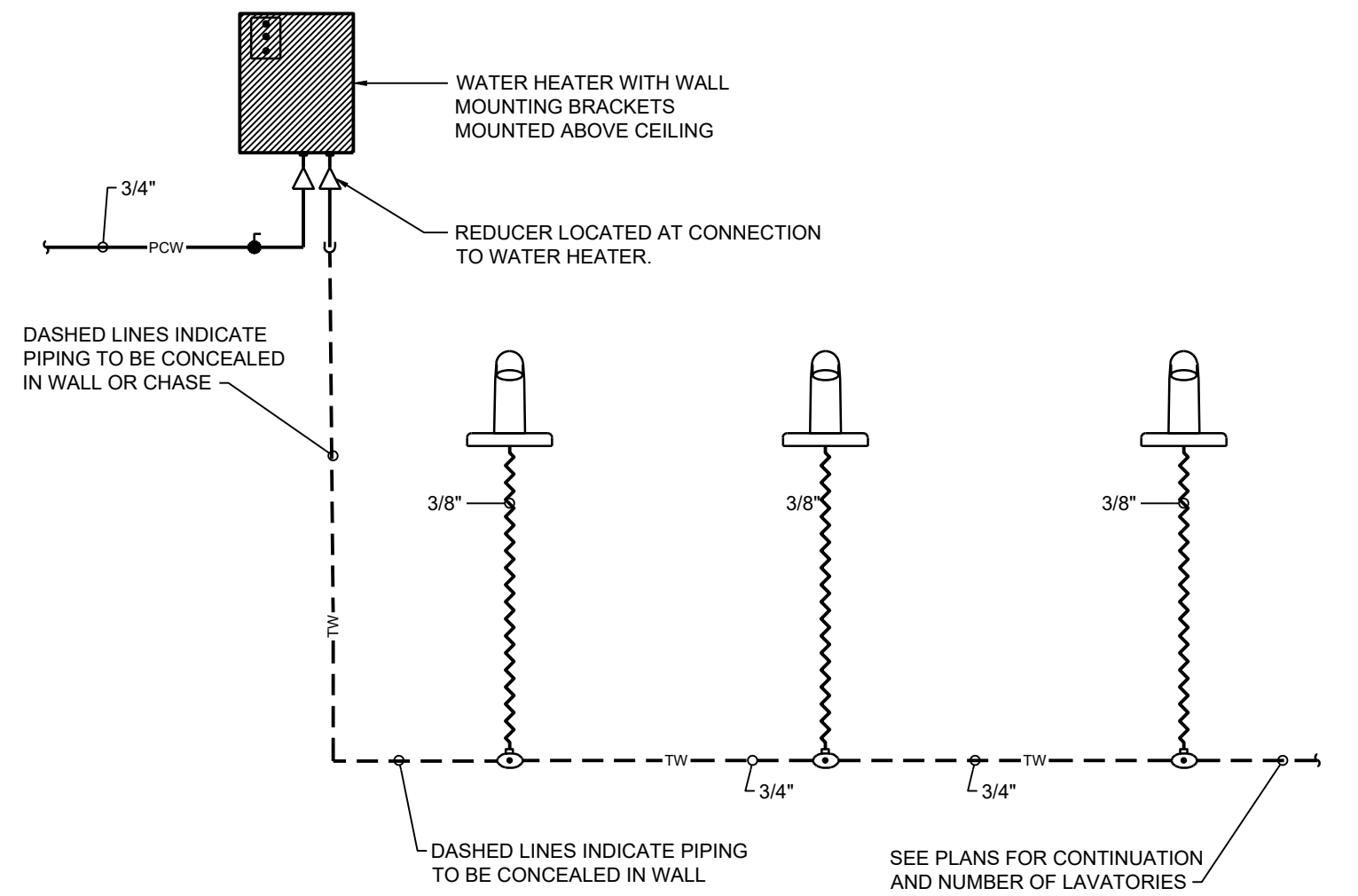


BACK-TO-BACK WATER CLOSET PIPING DETAIL
N.T.S.



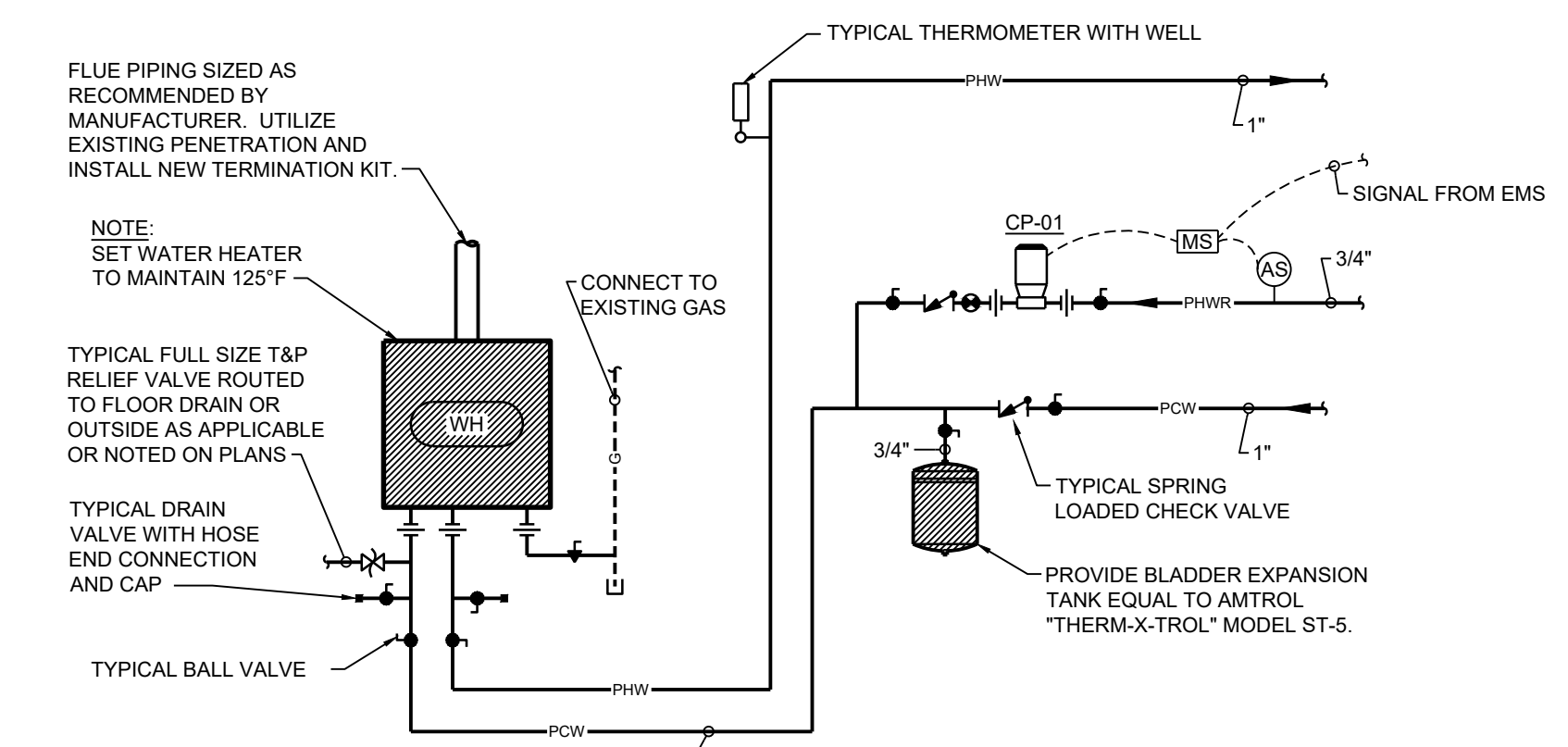
WALL CLEANOUT DETAIL
N.T.S.

NOTE: EXAMPLE SHOWN IS CAST IRON. PVC/DWV EXAMPLE SIMILAR.

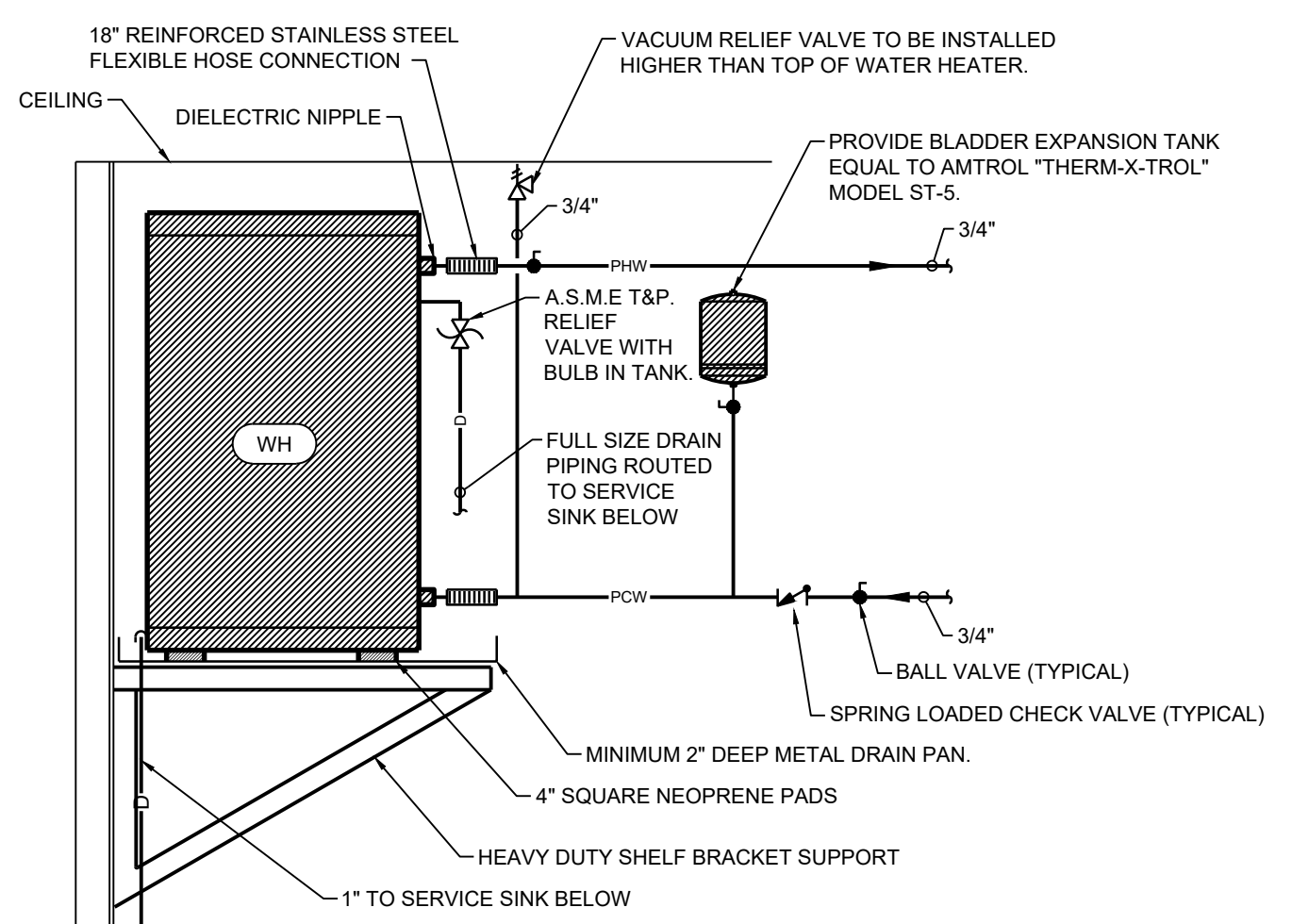


MULTIPLE FIXTURE PIPING DETAIL UNDER COUNTER TANKLESS ELECTRIC WATER HEATER
N.T.S.

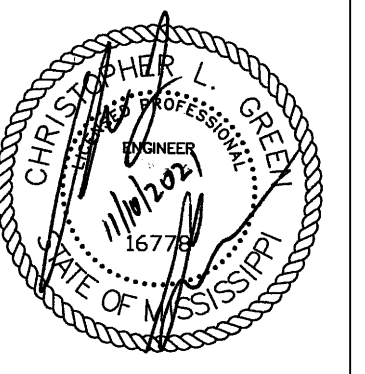
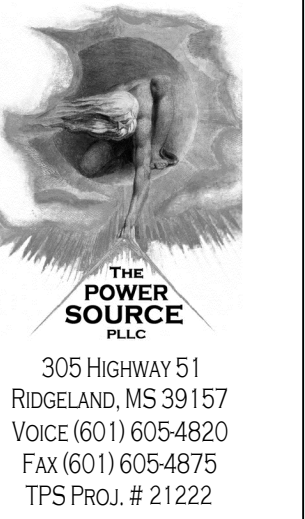
NOTE: INSTALL WATER HEATER AND ASSOCIATED PIPING IN LOCATION WHICH MAINTAINS ALL ADA CLEARANCES WHERE INSTALLED SERVING ADA COMPLIANT PLUMBING FIXTURES.



WATER HEATER (WH-PJH-01) DETAIL
N.T.S.



WATER HEATER DETAIL (WH-PJH-02)
N.T.S.



ELECTRICAL LEGEND

Table with 2 main columns: GENERAL NOTES and CONDUIT AND WIRING. Includes sections for LUMINAIRES, MISCELLANEOUS, SWITCHES, RECEPTACLES, GEAR, COMMUNICATIONS, and CCTV SYSTEM.

LIGHTING FIXTURE SCHEDULE

Table with columns: TYPE, MANUFACTURER, PART NUMBER, LAMPS, MOUNTING, REMARKS. Lists various lighting fixtures like A, B, BE, BS, BSE, C, CE, D, DE, F, G, GE, SAE, X, XEM.

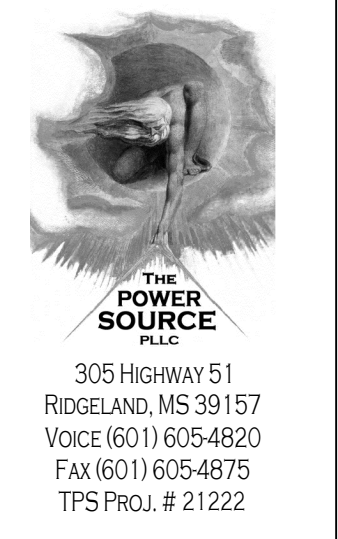
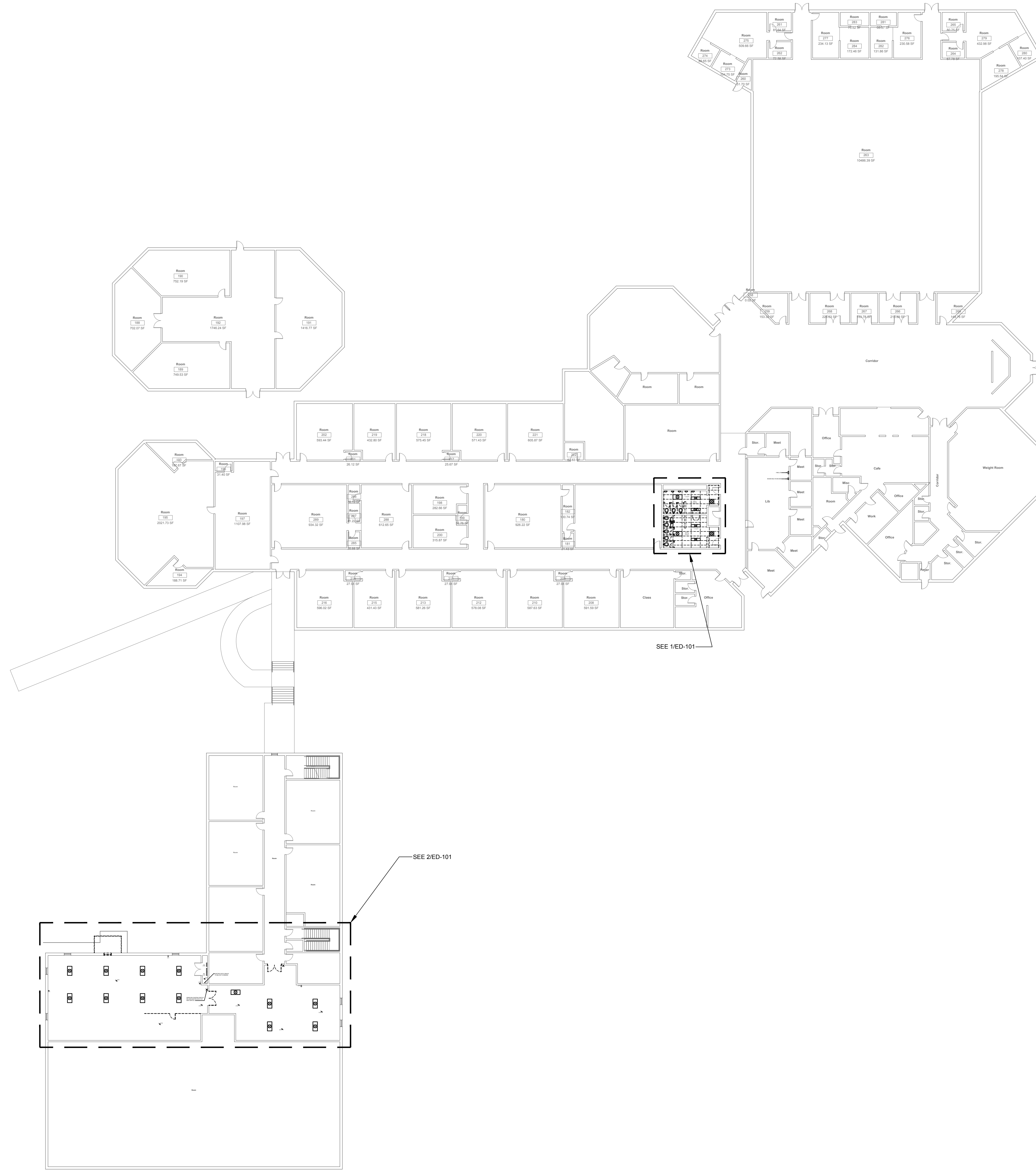
VOLTAGE DROP CHART FOR 20A, 1Ø CIRCUITS

Table with columns: Voltage, Circuit Length, Conductor Size (AWG). Shows voltage drop for 120V and 277V circuits.

VOLTAGE DROP CHART NOTES:
1) CIRCUIT SIZES INDICATED ON THE DRAWINGS ARE MINIMUM REQUIREMENTS. REFER TO THIS CHART FOR UPSIZING CONDUCTORS AS NEEDED.
2) DO NOT CONNECT CONDUCTORS LARGER THAN #10 DIRECTLY TO A RECEPTACLE OR A SWITCH. PROVIDE A JUNCTION BOX TO DOWNSIZE THE CONDUCTOR TO #12 AT THE DEVICE.
3) FOR CIRCUITS LONGER THAN THOSE LISTED ABOVE, CONSULT WITH THE ENGINEER FOR CONDUCTOR SIZES.

RECEPTACLES

- List of receptacle symbols and descriptions: DUPLEX RECEPTACLE, DOUBLE DUPLEX RECEPTACLE, DOUBLE DUPLEX RECEPTACLE, DUPLEX RECEPTACLE, DUPLEX RECEPTACLE.



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AN ASSOCIATION

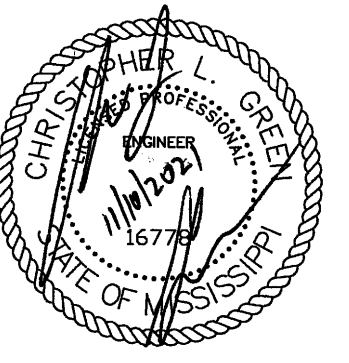
Architects

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Pontotoc City Schools
PCS High School: 123 N Main St, Pontotoc, MS 38863

Construction Documents

Project No	21064
Date	11/10/2021
Revisions	Rev Date

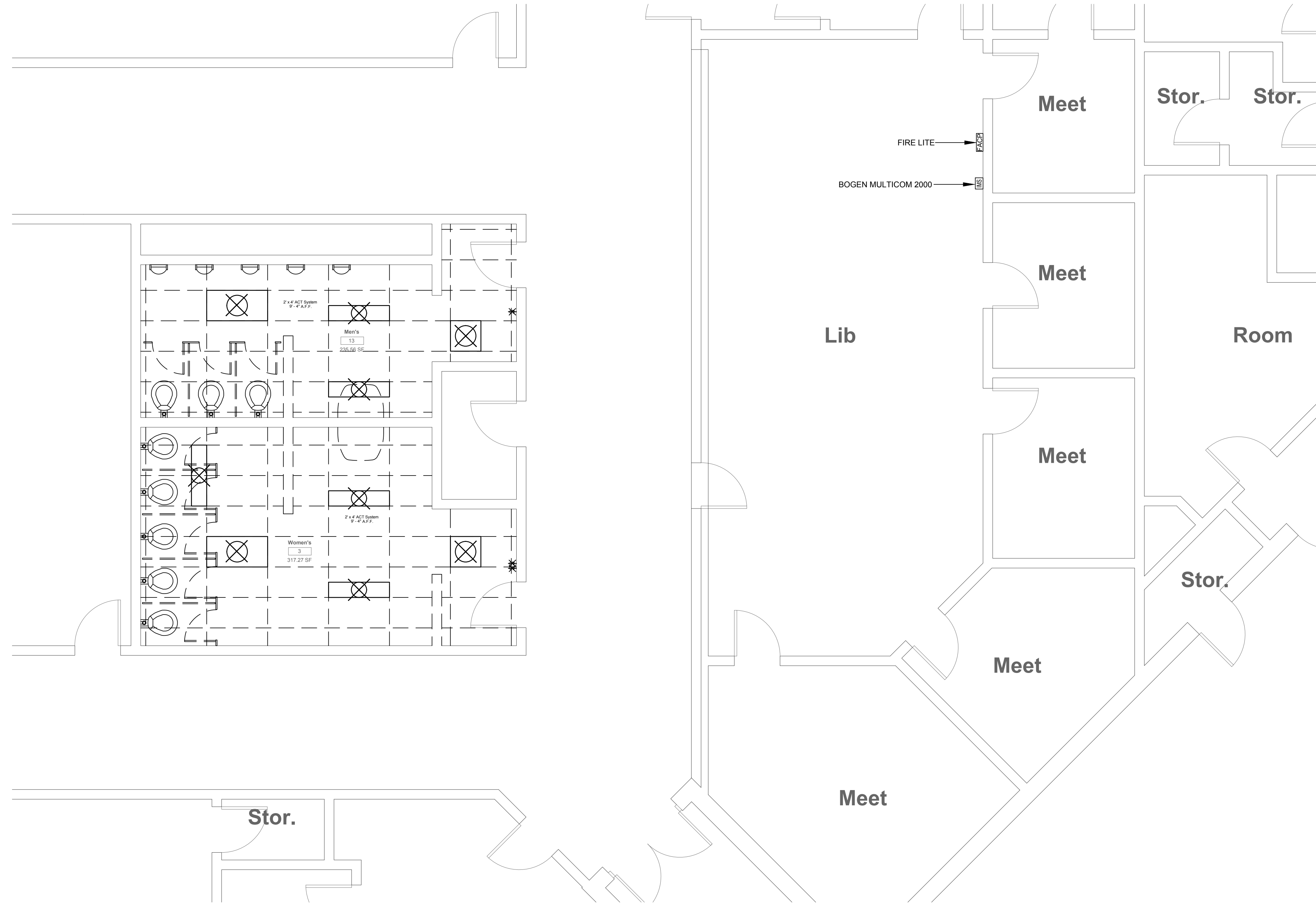
ED-100
PONTOTOC HIGH SCHOOL
OVERALL DEMOLITION
PLAN

DEMOLITION NOTES

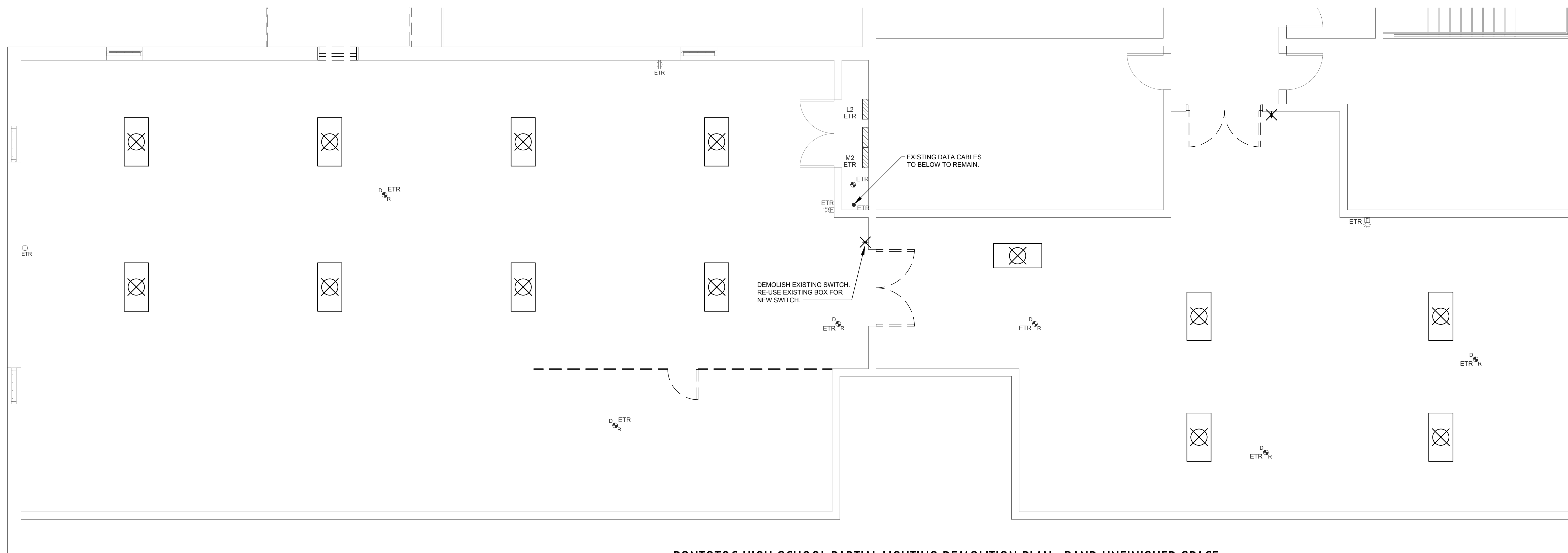
1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING ELECTRICAL RACEWAYS, CIRCUITRY, AND EQUIPMENT IN THE AREA OF WORK BE DEMOLISHED UNLESS OTHERWISE NOTED OR UNLESS FEEDING EXISTING EQUIPMENT TO REMAIN. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.
5. ALL EXISTING LIGHT FIXTURES IN HATCHED AREA SHALL BE EXISTING TO REMAIN (ETR) UNLESS OTHERWISE NOTED. EXISTING CIRCUITRY SHALL REMAIN AND MODIFIED TO ACCOMMODATE OCCUPANCY SENSORS AND AUTOMATIC WALL SWITCHES AS SHOWN ON THE RENOVATION PLAN. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL WIRING AND CONDUIT REQUIRED TO ADD NEW DEVICES WHETHER EXPLICITLY SHOWN OR NOT.

DEMOLITION LEGEND

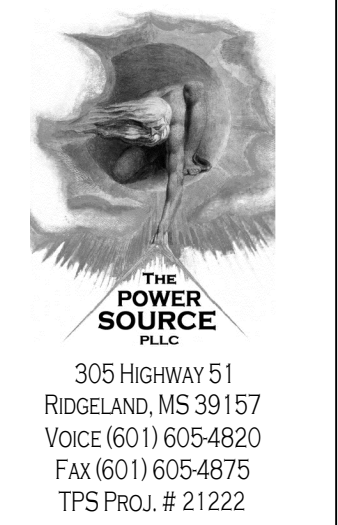
- RL# EXISTING DEVICE TO BE RELOCATED. NUMBER INDICATES RELOCATED DEVICE. SEE POWER/LIGHTING PLANS FOR NEW DEVICE LOCATIONS
- × EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
- ETR EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.



1 PONTOTOC HIGH SCHOOL PARTIAL LIGHTING DEMOLITION PLAN - TOILETS
 ED-101 Scale: 1/4" = 1'-0"



2 PONTOTOC HIGH SCHOOL PARTIAL LIGHTING DEMOLITION PLAN - BAND UNFINISHED SPACE
 ED-101 Scale: 1/4" = 1'-0"



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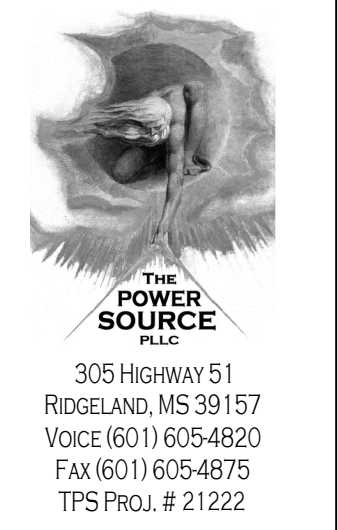
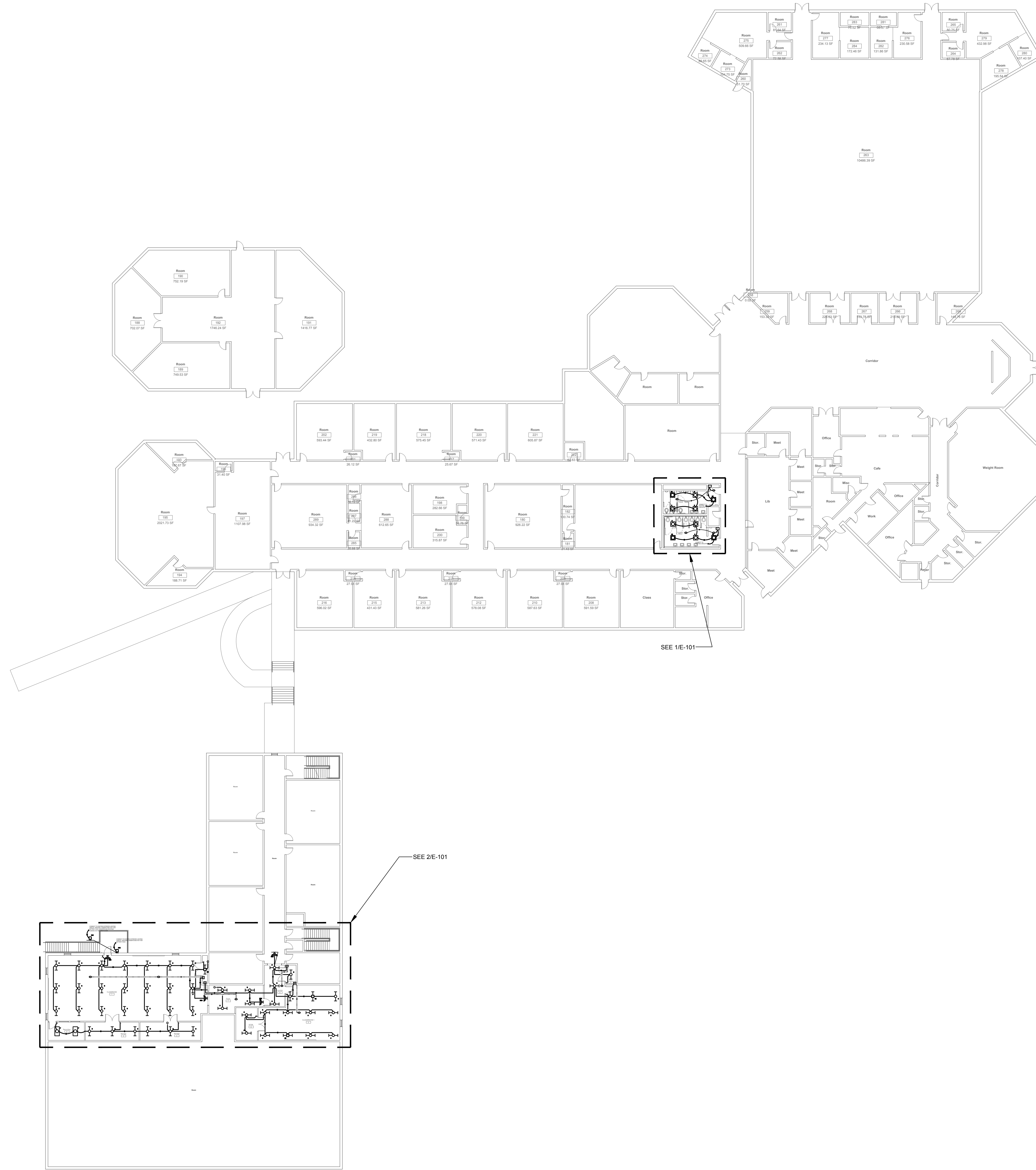
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Pontotoc City Schools
 PCS High School: 123 N Main St, Pontotoc, MS 38863

Construction Documents
 Project No 21064
 Date 11/10/2021
 Revisions Rev Date

ED-101
 PONTOTOC HIGH SCHOOL
 PARTIAL DEMOLITION
 PLANS



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AN ASSOCIATION

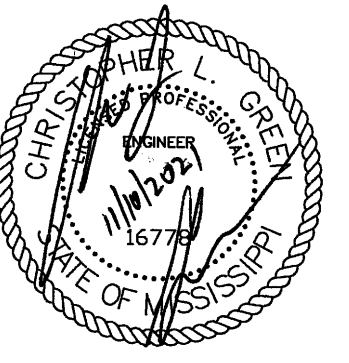
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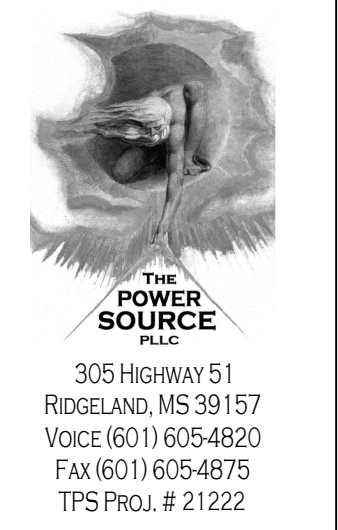


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Date	11/10/2021
Revisions	Rev Date

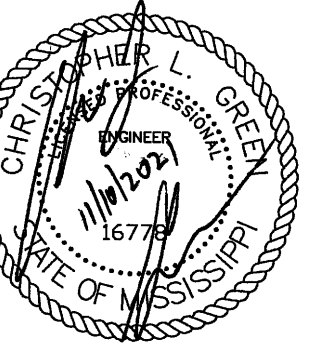
E-100
PONTOTOC HIGH SCHOOL
OVERALL RENOVATION
PLAN



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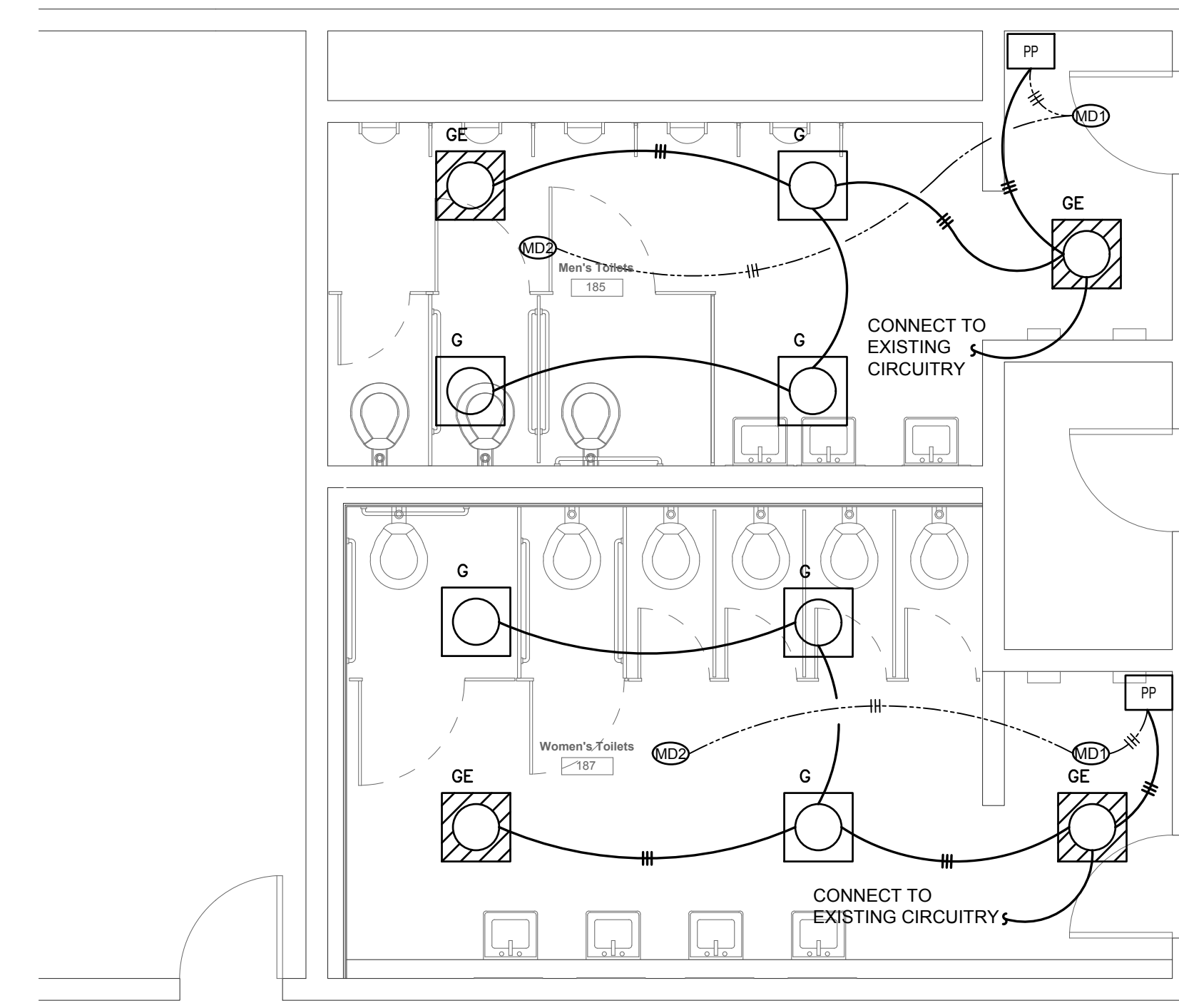
305 HIGHWAY 51
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FAX (601) 605-4875
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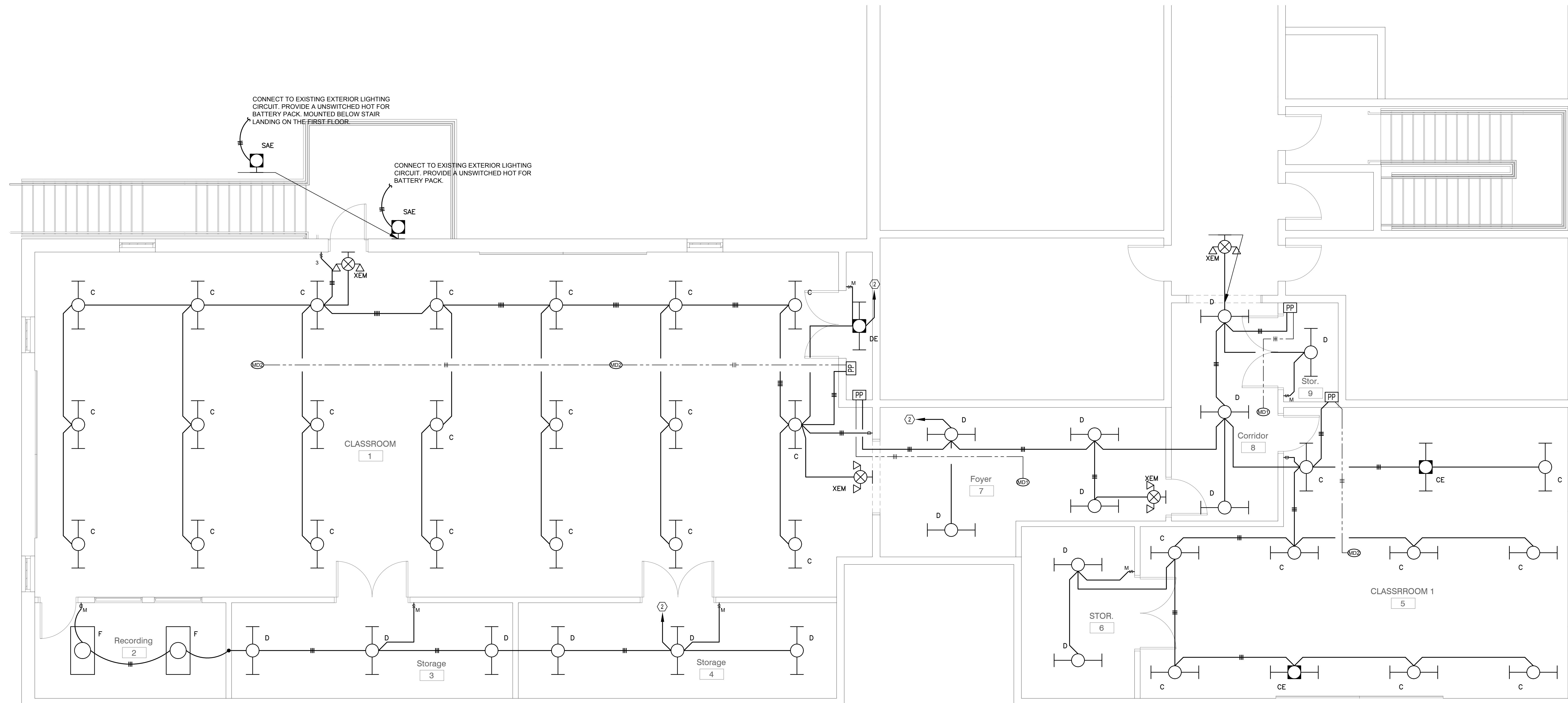


KEYED NOTES	
Mark	Description
(1)	PROVIDE A 50/2 BREAKER IN PANEL "X".
(2)	PROVIDE A 20/1 BREAKER IN PANEL L2.
(2)	PROVIDE A 20/1 BREAKER IN PANEL M2.

GENERAL NOTES	
Mark	Description
1.	ELECTRICAL CONTRACTOR SHALL USE WIREMOLD 700 SERIES WHERE SURFACE MOUNTED CONDUITS ARE SHOWN.
2.	FIXTURES C, CE, D, AND DE SHALL BE SUSPENDED WITH THE BOTTOM OF THE DUCT WORK.



1 PONTOTOC HIGH SCHOOL PARTIAL RENOVATION LIGHTING PLAN - TOILETS
E-101 Scale: 1/4" = 1'-0"



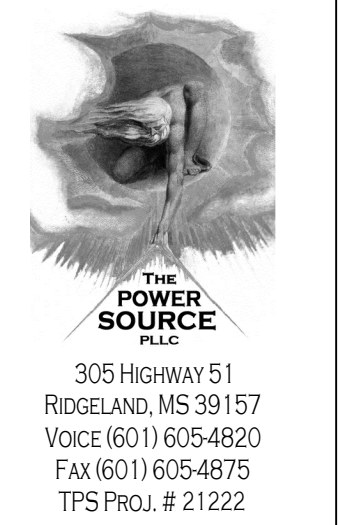
2 PONTOTOC HIGH SCHOOL PARTIAL RENOVATION LIGHTING PLAN - BAND UNFINISHED SPACE
E-101 Scale: 1/4" = 1'-0"

Pontotoc City Schools
PCS High School: 123 N Main St, Pontotoc, MS 38863

Construction Documents

Project No 21064
Date 11/10/2021
Revisions Rev Date

E-101
PONTOTOC HIGH SCHOOL
PARTIAL RENOVATION
PLANS



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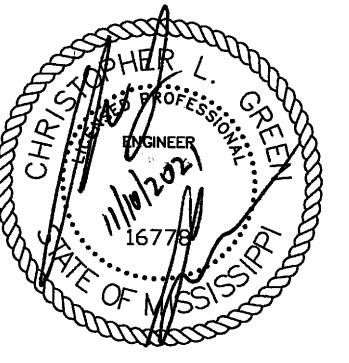
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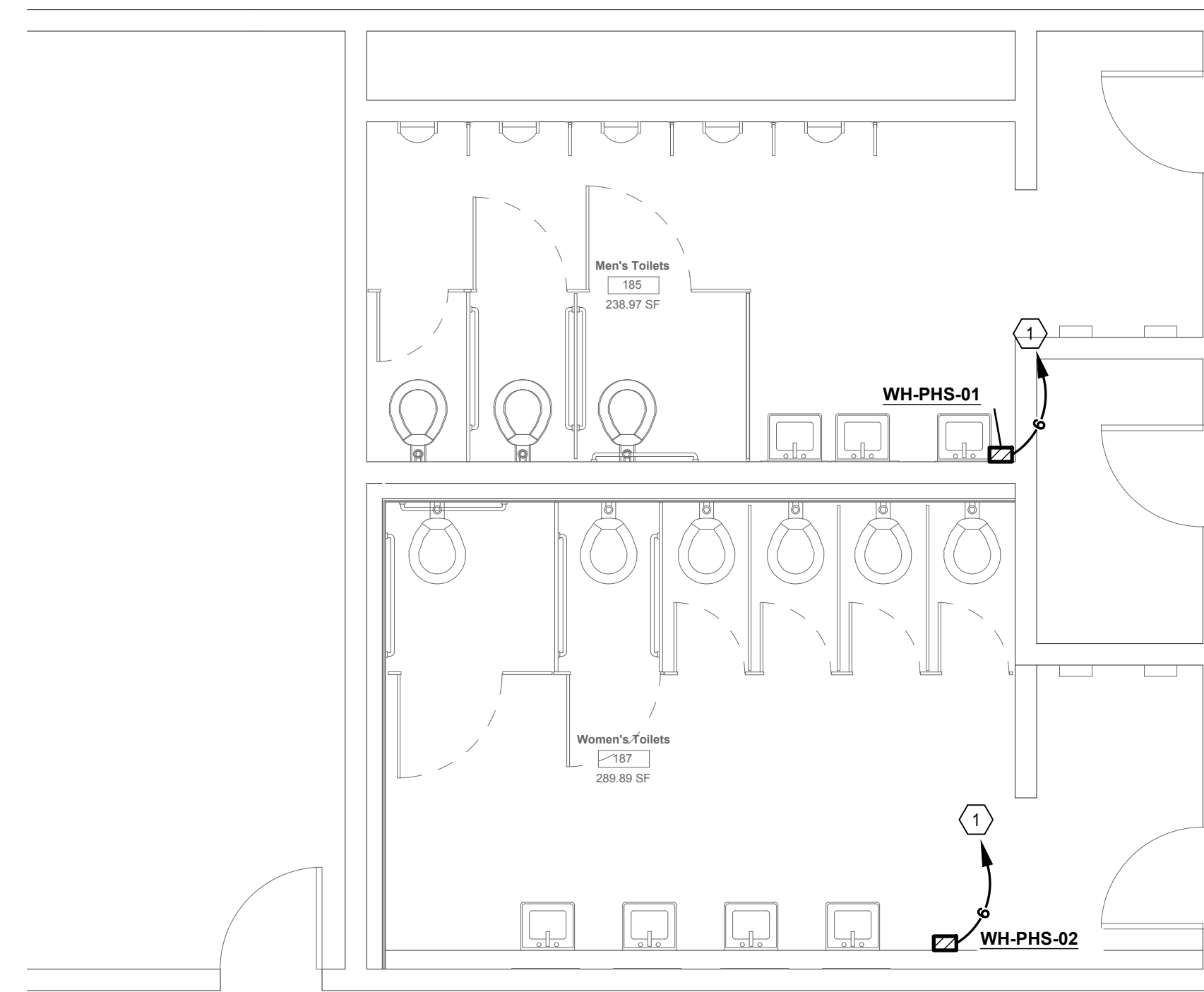
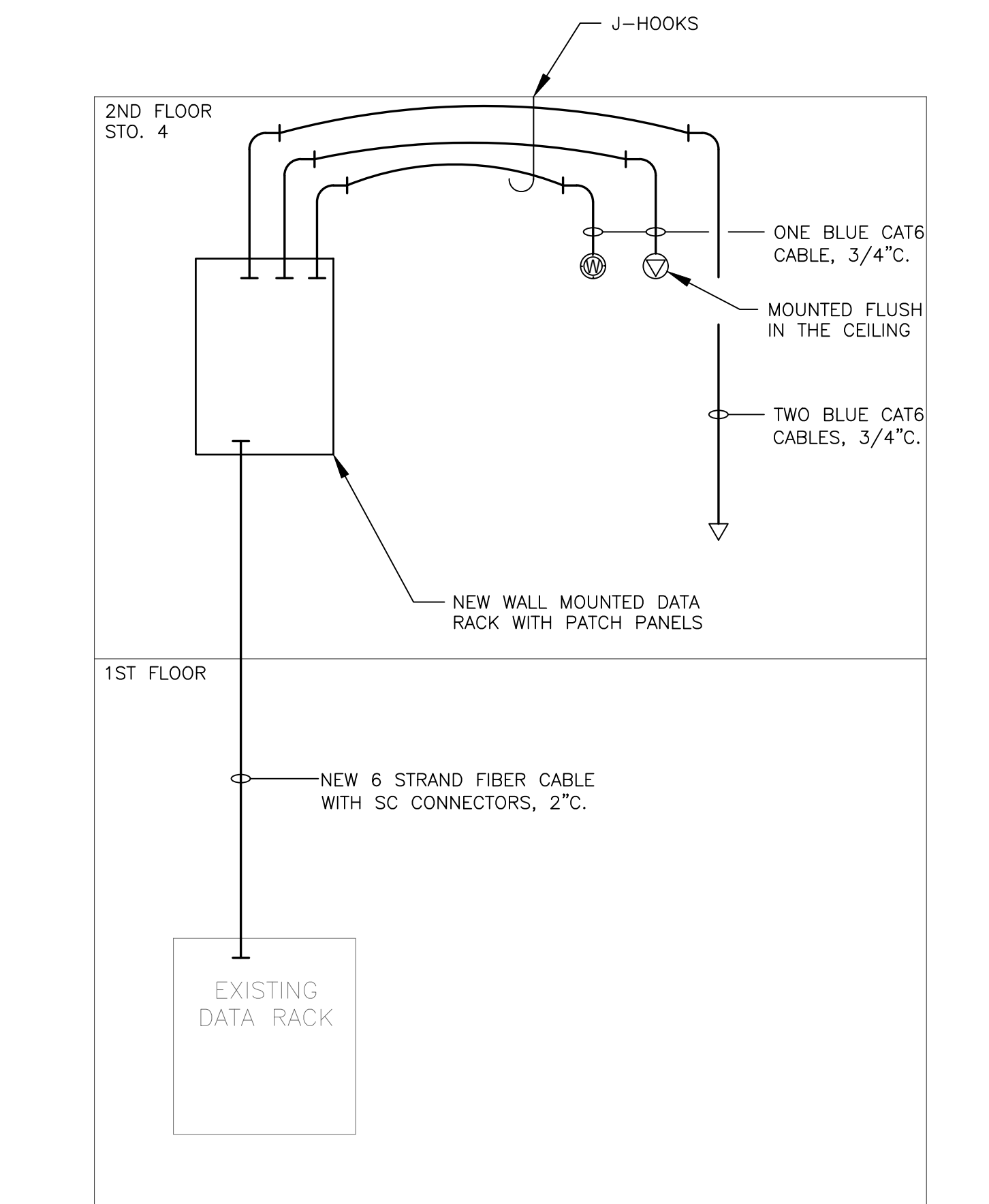
161 Lameuse St. Suite 201
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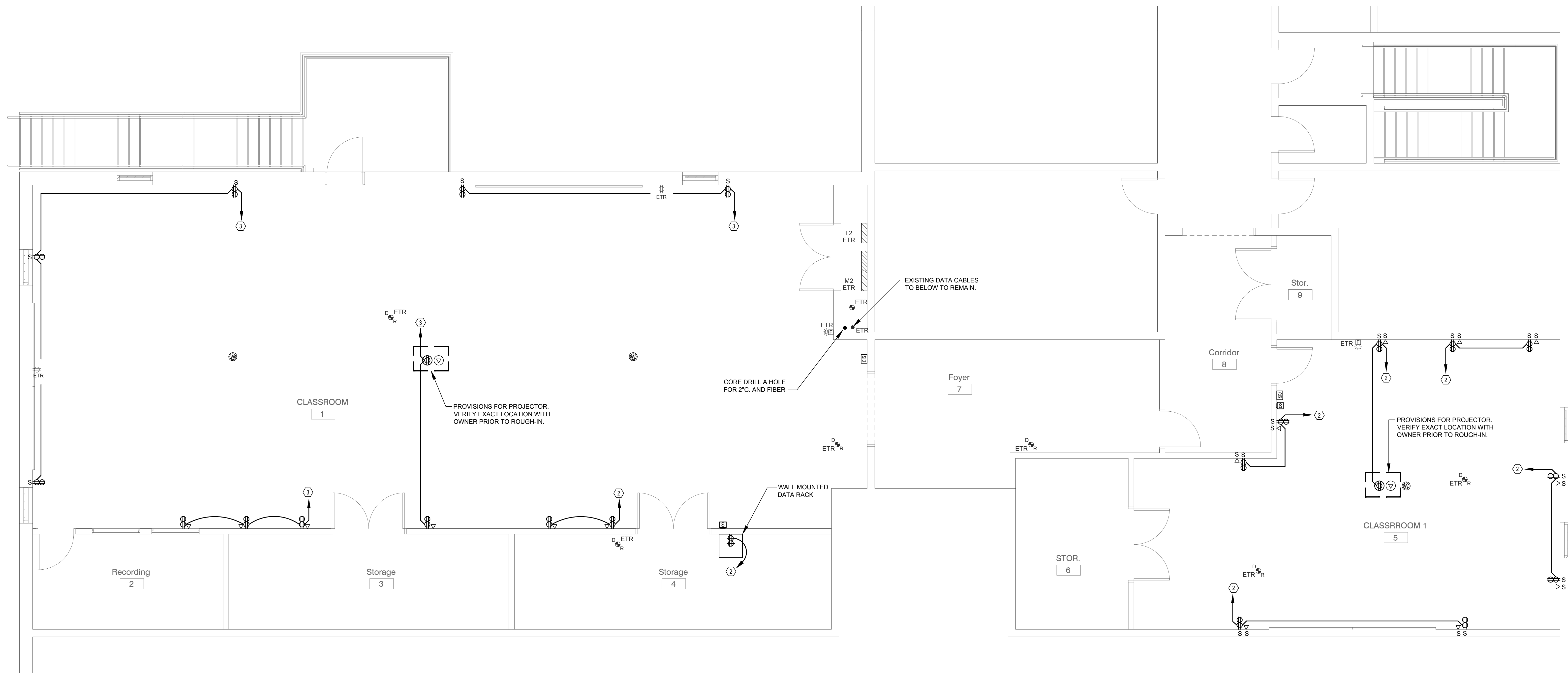
KEYED NOTES	
Mark	Description
①	PROVIDE A 50/2 BREAKER IN PANEL "X".
②	PROVIDE A 20/1 BREAKER IN PANEL L2.
②	PROVIDE A 20/1 BREAKER IN PANEL M2.

GENERAL NOTES	
Mark	Description
1.	ELECTRICAL CONTRACTOR SHALL USE WIREMOLD 700 SERIES WHERE SURFACE MOUNTED CONDUITS ARE SHOWN.
2.	FIXTURES C, CE, D, AND DE SHALL BE SUSPENDED WITH THE BOTTOM OF THE DUCT WORK.



② PONTOTOC HIGH SCHOOL PARTIAL RENOVATION PLUMBING PLAN - TOILETS
E-103 Scale: 1/4" = 1'-0"

③ PONTOTOC HIGH SCHOOL COMMUNICATION RISER DIAGRAM
E-103 Scale: NONE

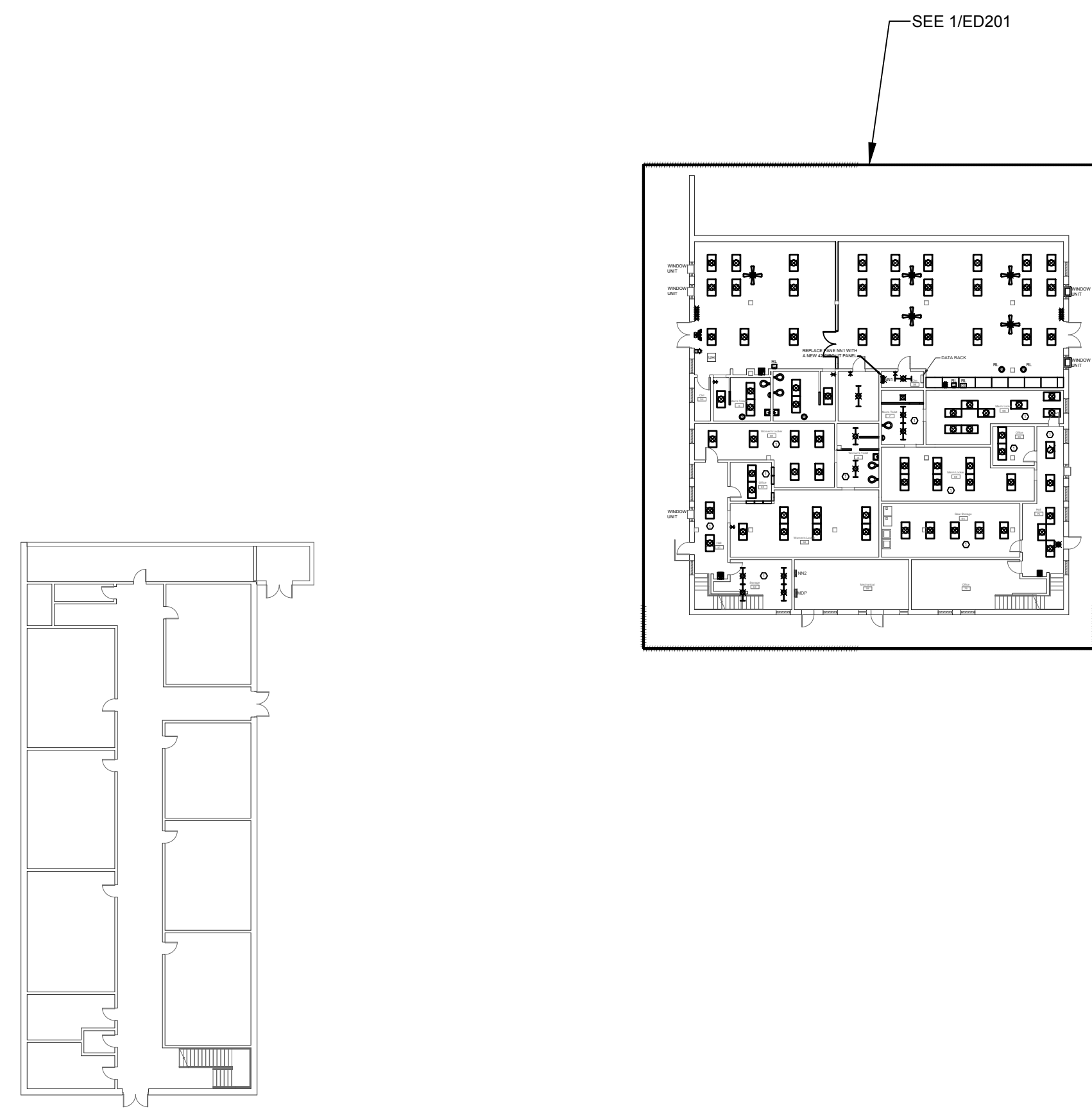


① PONTOTOC HIGH SCHOOL PARTIAL RENOVATION POWER/AUXILIARY PLAN - BAND UNFINISHED SPACE
E-103 Scale: 1/4" = 1'-0"

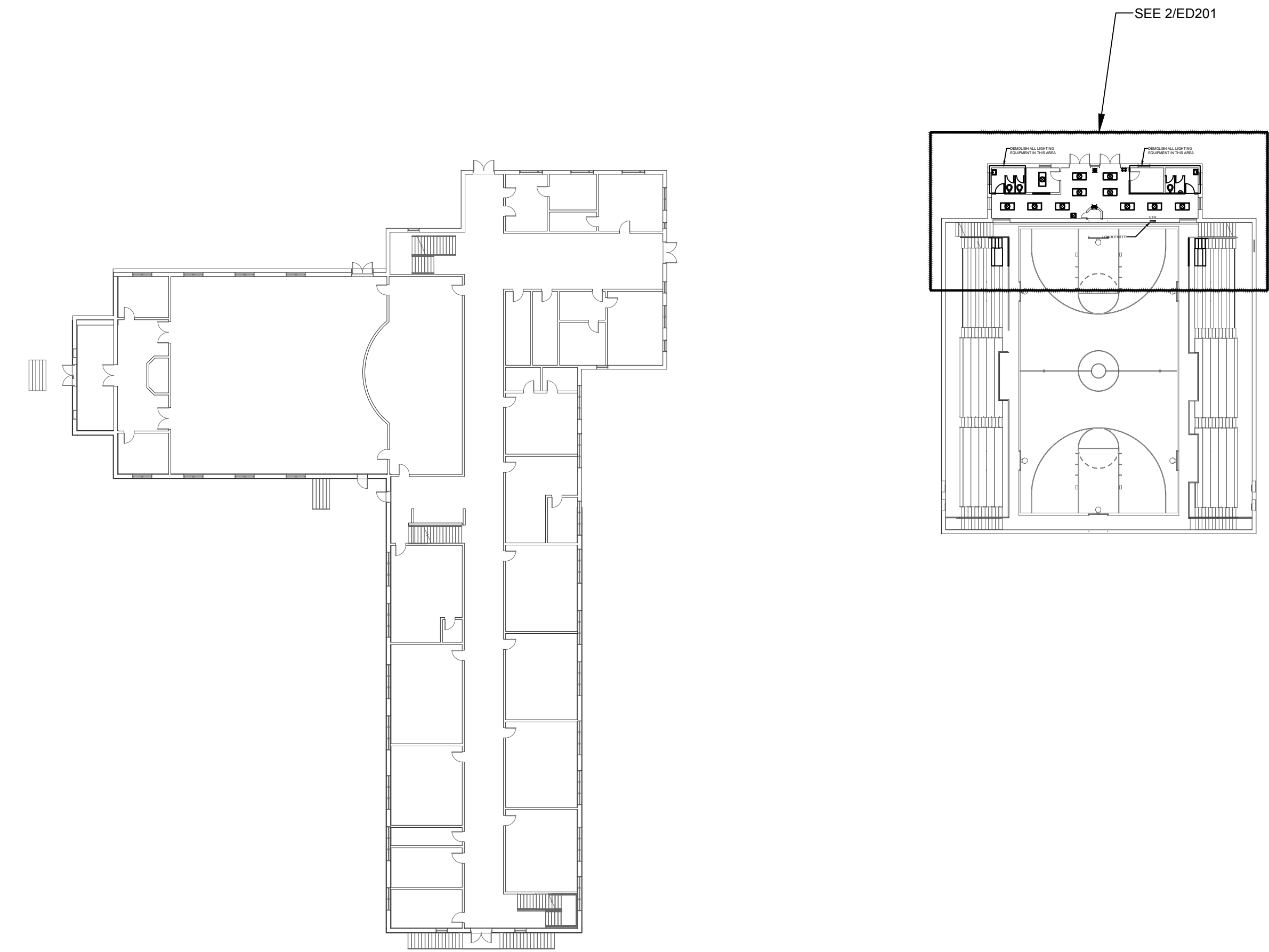
Construction Documents

Project No	21064
Date	11/10/2021
Revisions	Rev Date

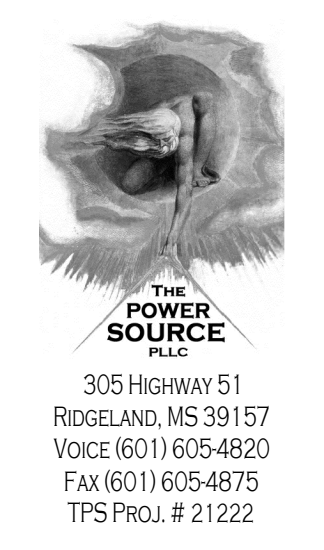
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1 ED200 PONTOTOC JR HIGH OVERALL DEMOLITION PLAN - LOWER LEVEL
Scale: 1" = 30'-0"



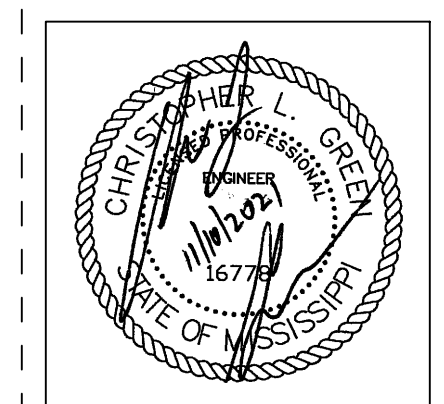
1 ED200 PONTOTOC JR HIGH OVERALL DEMOLITION PLAN - UPPER LEVEL
Scale: 1" = 30'-0"



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Pontotoc City Schools
PCS Junior High School: 132 N Main St, Pontotoc, MS 38863

Construction Documents
Project No 21064
Date 11/10/2021
Revisions Rev Date

ED200
PONTOTOC JUNIOR HIGH
OVERALL DEMOLITION
PLANS

PONTOTOC JR HIGH MASTER KEYED NOTES

Mark	Description
①	DEMOLISH EXISTING LIGHTING CONTROLS IN THIS AREA.
②	CONNECT TO EXISTING LIGHTING CIRCUITRY IN THIS AREA.
③	CONNECT TO DEMOLISHED DRINKING FOUNTAIN CIRCUITRY.
④	PROVIDE A 201 BREAKER IN PANEL "LA".
⑤	PROVIDE A 502 BREAKER IN PANEL "MDP".
⑥	PROVIDE A 201 BREAKER IN EXISTING LOADCENTER REPLACED BY OTHERS.

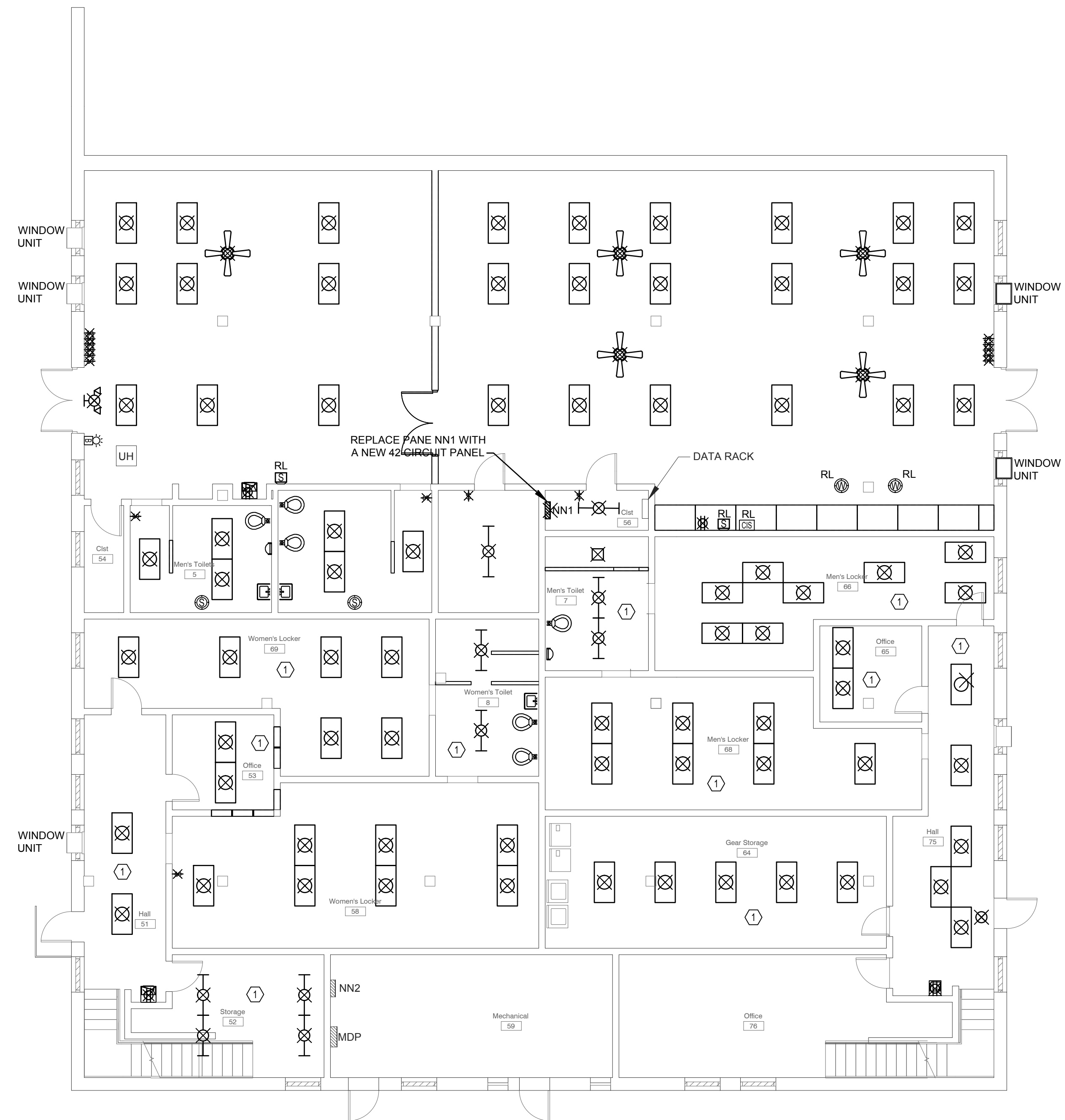
NOTE:
IF A KEYED NOTE IS NOT SHOWN ON A DRAWING, THEN THE KEYED NOTE SHALL BE IGNORED FOR THAT PARTICULAR DRAWING. THIS SHALL DIFFER FROM DRAWING TO DRAWING.

DEMOLITION NOTES

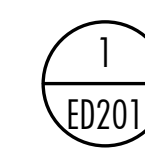
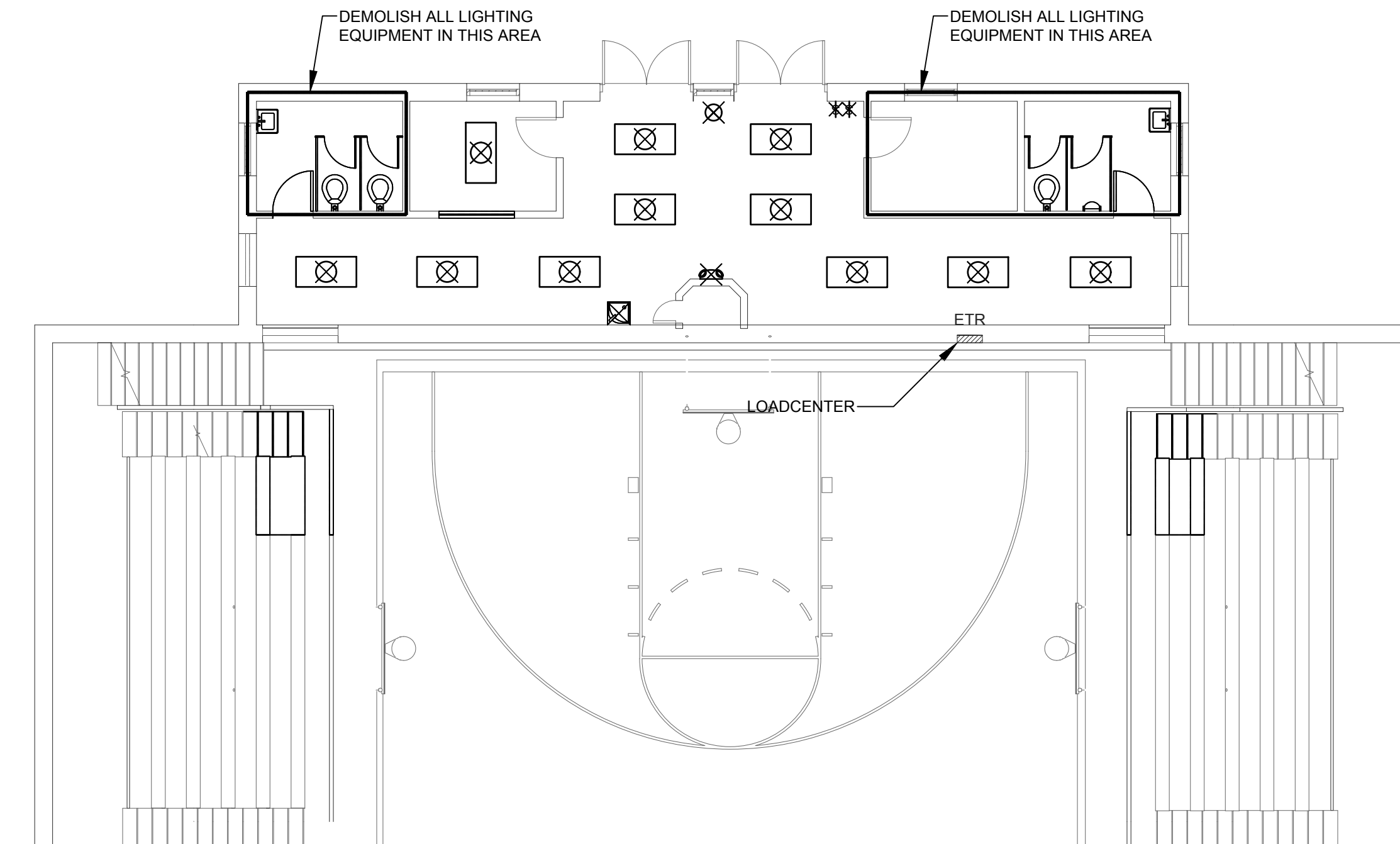
1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING ELECTRICAL RACEWAYS, CIRCUITRY, AND EQUIPMENT IN THE AREA OF WORK BE DEMOLISHED UNLESS OTHERWISE NOTED OR UNLESS FEEDING EXISTING EQUIPMENT TO REMAIN. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
4. PROVIDE NEW TYPED CIRCUIT DIRECTORIES FOR ALL PANELS FEEDING DEVICES IN RENOVATED AREAS. INCLUDE ALL CIRCUITS CONTAINED IN THESE PANELS ON THE DIRECTORIES.
5. ALL EXISTING LIGHT FIXTURES IN HATCHED AREA SHALL BE EXISTING TO REMAIN (ETR) UNLESS OTHERWISE NOTED. EXISTING CIRCUITRY SHALL REMAIN AND MODIFIED TO ACCOMMODATE OCCUPANCY SENSORS AND AUTOMATIC WALL SWITCHES AS SHOWN ON THE RENOVATION PLAN. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL WIRING AND CONDUIT REQUIRED TO ADD NEW DEVICES WHETHER EXPLICITLY SHOWN OR NOT.

DEMOLITION LEGEND

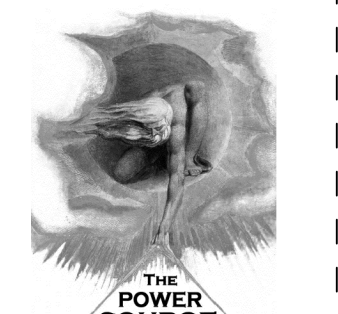
- RL# EXISTING DEVICE TO BE RELOCATED. NUMBER INDICATES RELOCATED DEVICE. SEE POWER/LIGHTING PLANS FOR NEW DEVICE LOCATIONS
- X EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
- ETR EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.



PONTOTOC JR HIGH PARTIAL DEMOLITION PLAN - LOWER LEVEL
Scale: 1/8" = 1'-0"



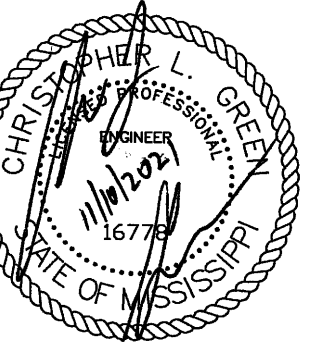
PONTOTOC JR HIGH PARTIAL DEMOLITION PLAN - UPPER LEVEL
Scale: 1/8" = 1'-0"



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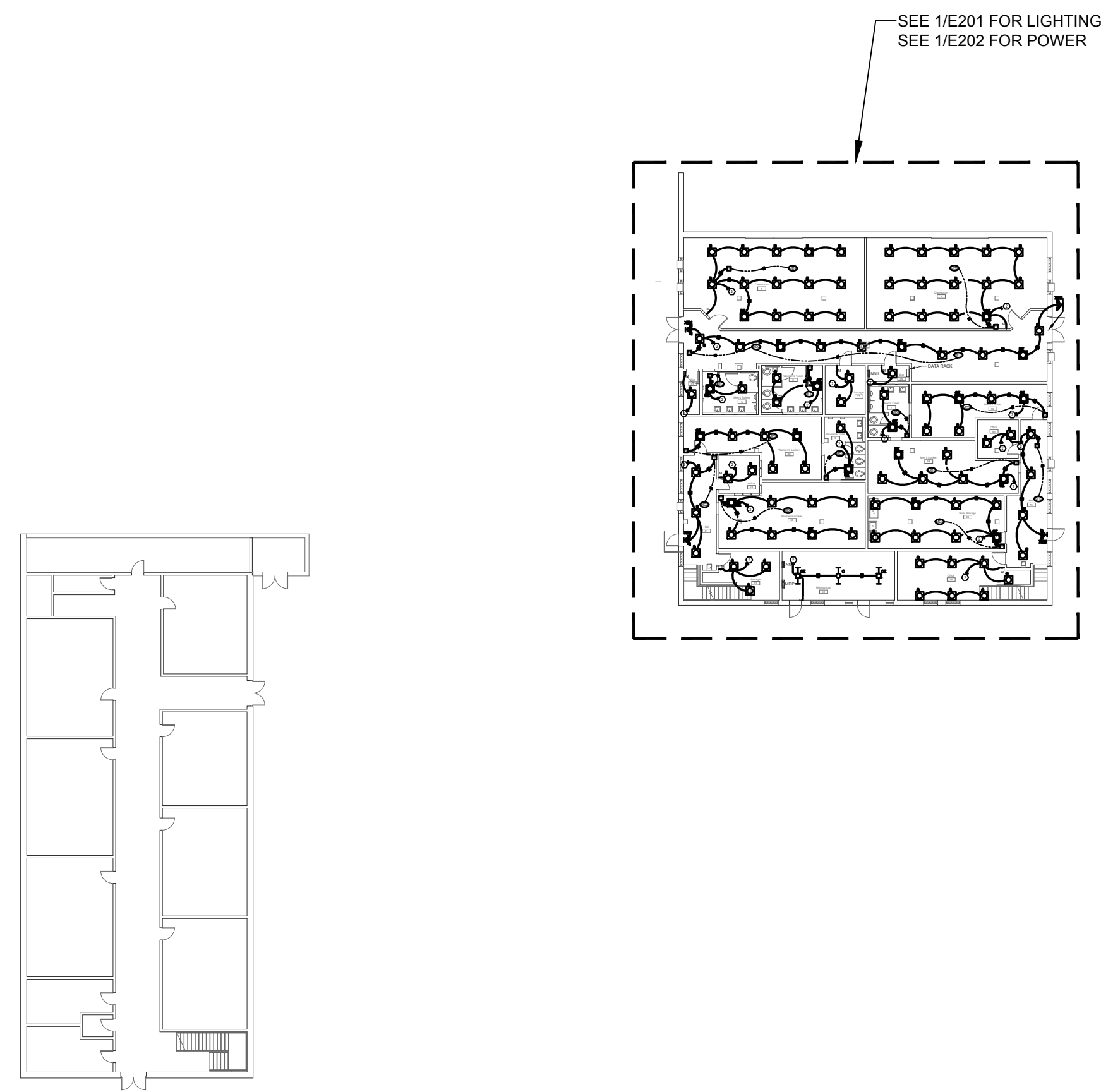


Pontotoc City Schools
PCS Junior High School: 132 N Main St, Pontotoc, MS 38863

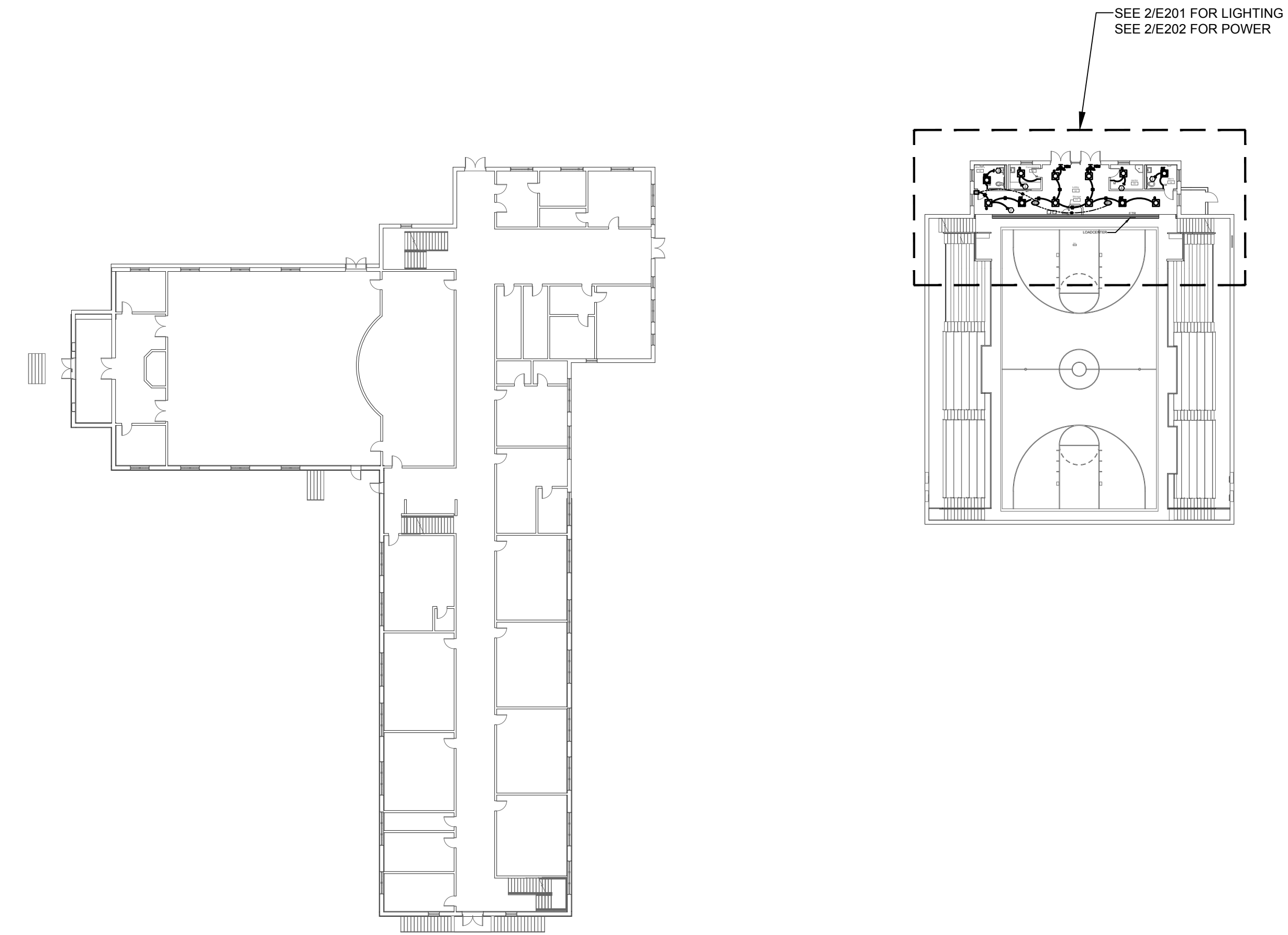
Construction Documents
Project No 21064
Date 11/10/2021
Revisions Rev Date

ED201
PONTOTOC JUNIOR HIGH
PARTIAL DEMOLITION
PLAN

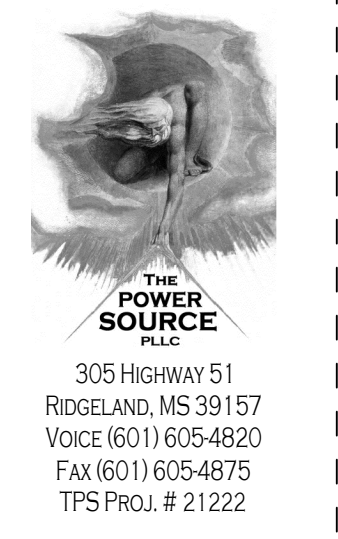
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1
E200 PONTOTOC JR HIGH OVERALL RENOVATION PLAN - LOWER LEVEL
Scale: 1" = 30'-0"



1
E200 PONTOTOC JR HIGH OVERALL RENOVATION PLAN - UPPER LEVEL
Scale: 1" = 30'-0"



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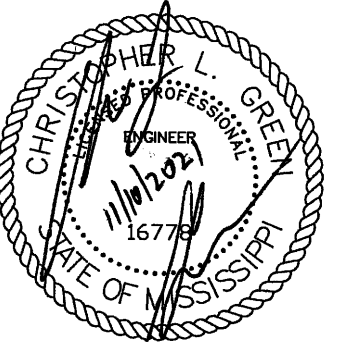
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Pontotoc City Schools
PCS Junior High School: 132 N Main St, Pontotoc, MS 38863

Construction Documents

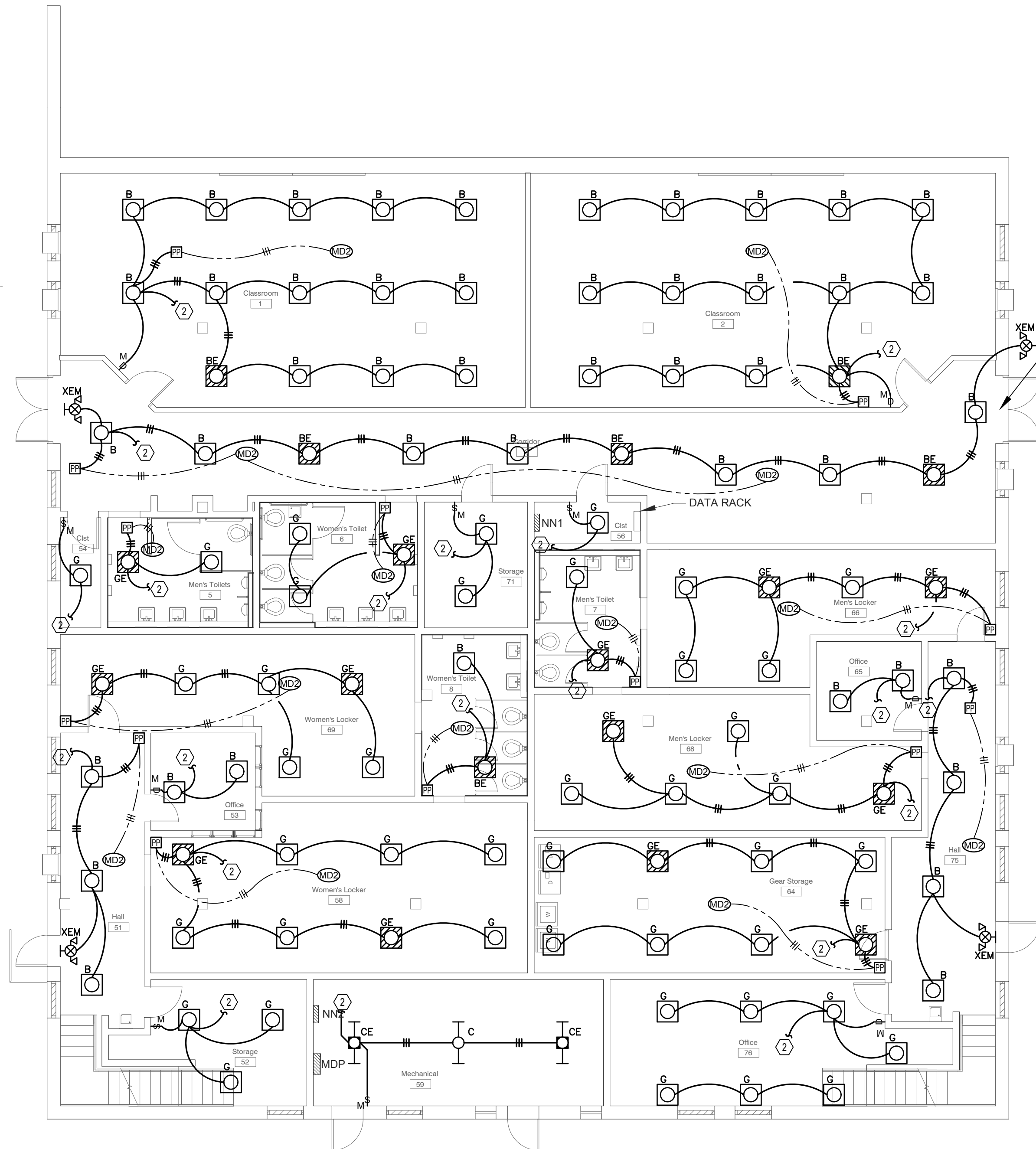
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Date	11/10/2021
Revisions	Rev Date

E200
PONTOTOC JUNIOR HIGH
OVERALL RENOVATION
PLAN

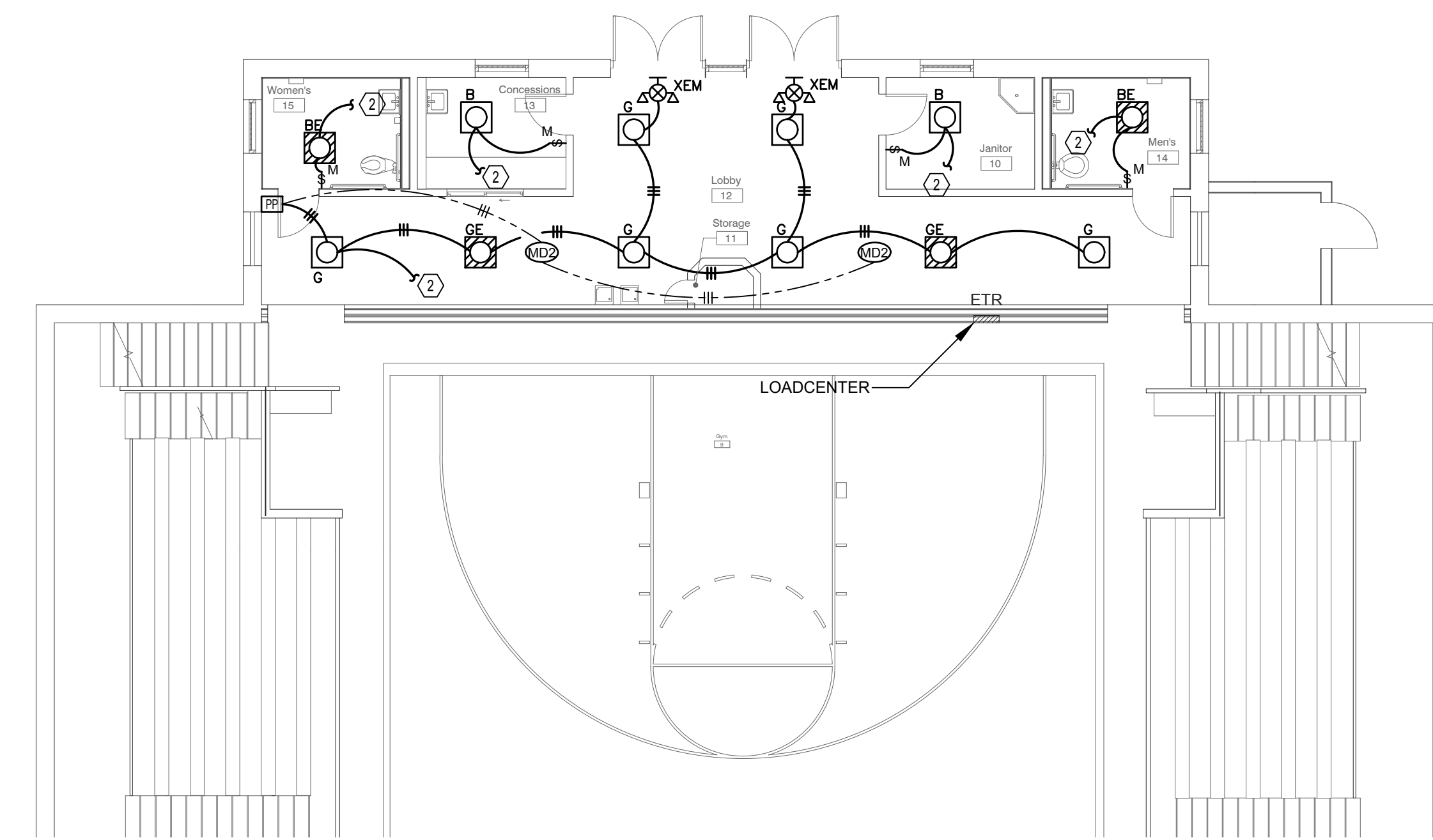
**PONTOTOC JR HIGH
MASTER KEYED NOTES**

Mark	Description
①	DEMOLISH EXISTING LIGHTING CONTROLS IN THIS AREA.
②	CONNECT TO EXISTING LIGHTING CIRCUITRY IN THIS AREA.
③	CONNECT TO DEMOLISHED DRINKING FOUNTAIN CIRCUITRY.
④	PROVIDE A 20/1 BREAKER IN PANEL 'LA'.
⑤	PROVIDE A 50/2 BREAKER IN PANEL 'MDP'.
⑥	PROVIDE A 20/1 BREAKER IN EXISTING LOADCENTER REPLACED BY OTHERS.

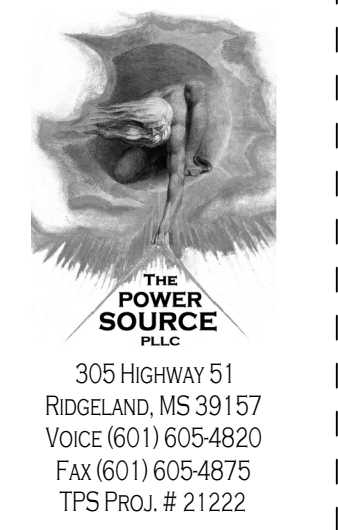
NOTE:
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①
E201 PONTOTOC JR HIGH PARTIAL LIGHTING RENOVATION PLAN - LOWER LEVEL
Scale: 1/8" = 1'-0"



①
E201 PONTOTOC JR HIGH PARTIAL LIGHTING RENOVATION PLAN - UPPER LEVEL
Scale: 1/8" = 1'-0"



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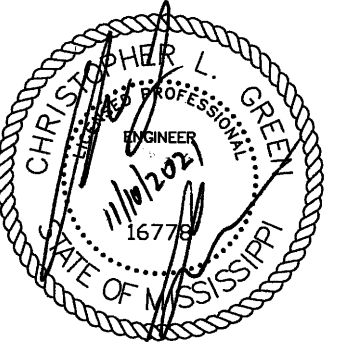
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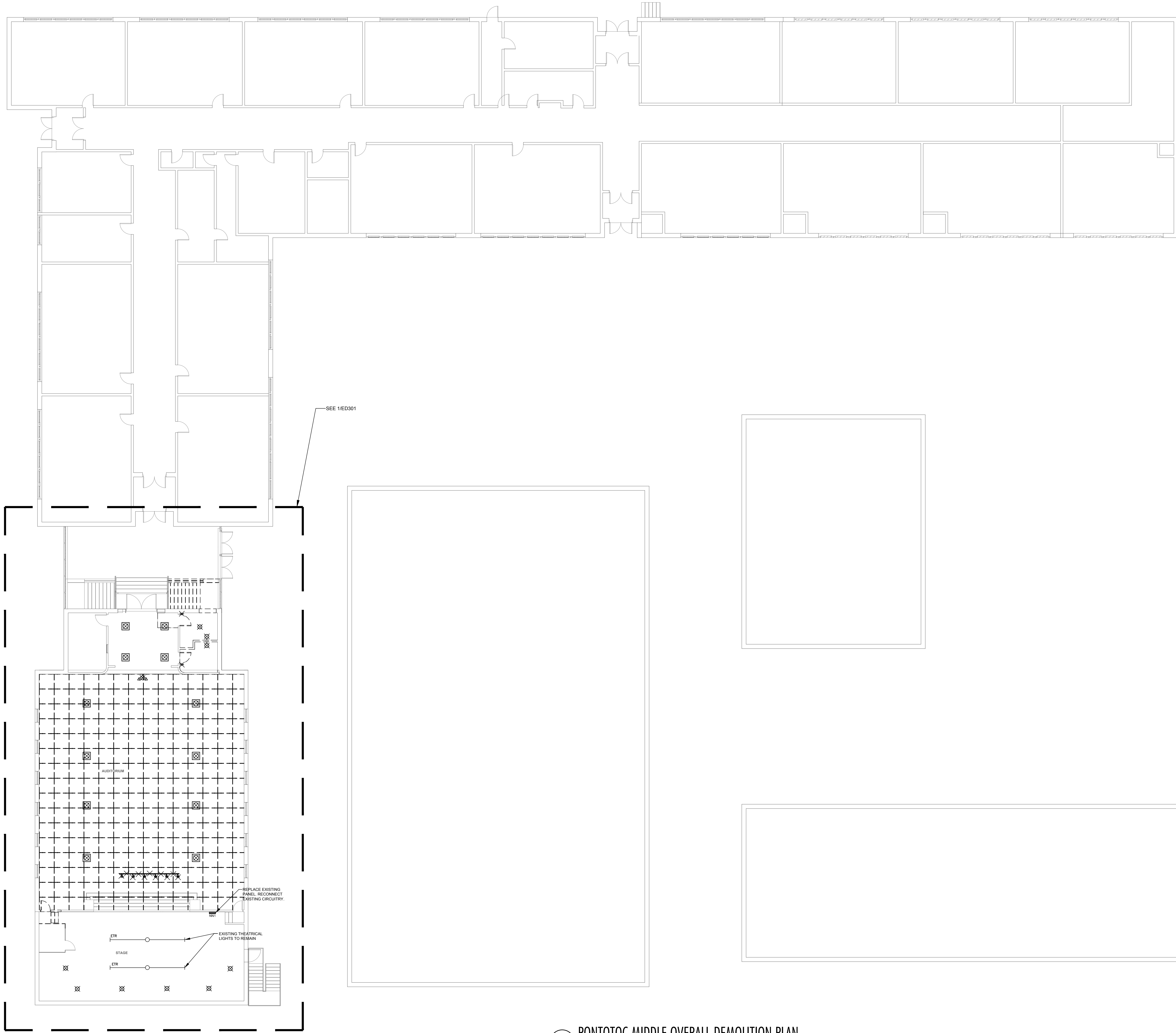
Pontotoc City Schools
PCS Junior High School: 132 N Main St, Pontotoc, MS 38863

Construction Documents

Project No 21064
Date 11/10/2021
Revisions Rev Date

E201
PONTOTOC JUNIOR HIGH
OVERALL RENOVATION
PLAN

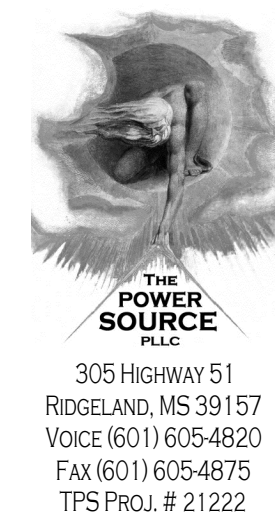
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1
ED300

PONTOTOC MIDDLE OVERALL DEMOLITION PLAN

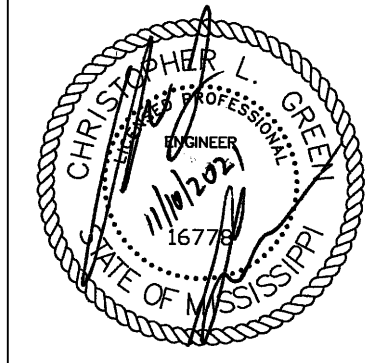
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Pontotoc City Schools
PCS Middle School: 135 Education Drive, Pontotoc, MS 38863

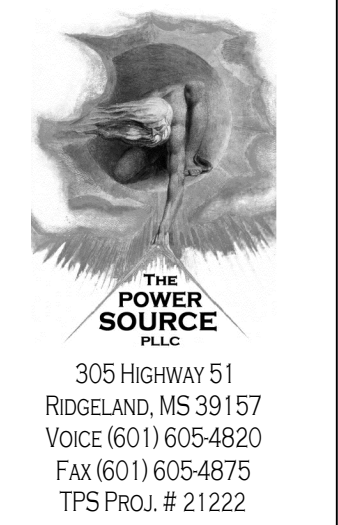
Construction Documents

Project No 21064
Date 11/10/2021
Revisions Rev Date

Revisions	Rev	Date

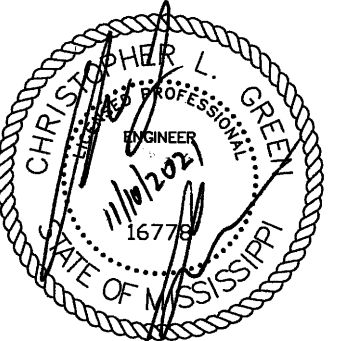
ED300

PONTOTOC MIDDLE SCHOOL
OVERALL DEMOLITION
PLAN



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Pontotoc City Schools
PCS Middle School: 135 Education Drive, Pontotoc, MS 38863

Construction Documents
Project No 21064
Date 11/10/2021
Revisions Rev Date

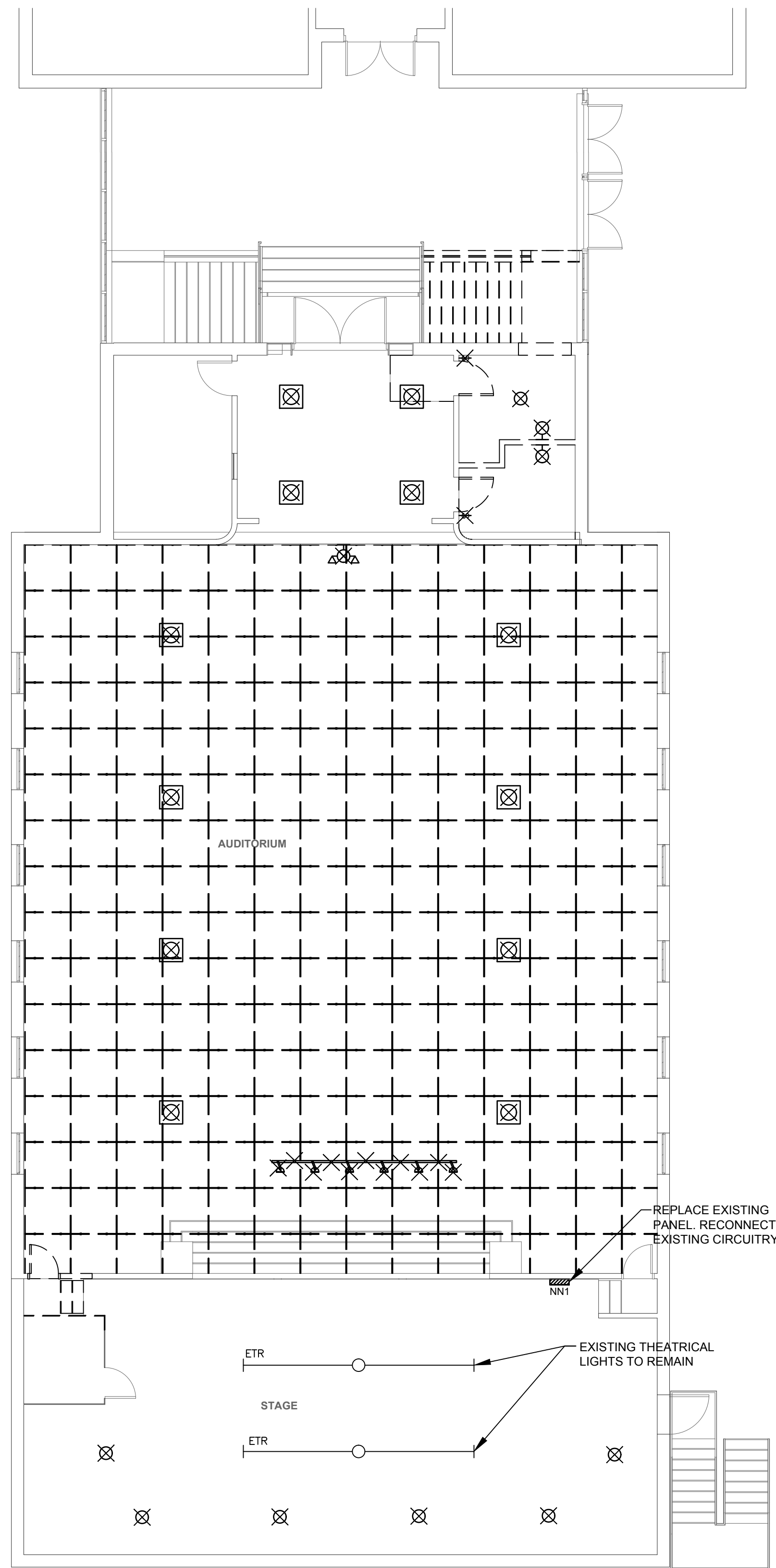
ED301
PONTOTOC MIDDLE SCHOOL
PARTIAL DEMOLITION
PLAN

DEMOLITION NOTES

1. THE ELECTRICAL DEMOLITION DRAWINGS ARE DIAGRAMMATIC IN NATURE AND ARE PROVIDED TO CONVEY THE GENERAL SCOPE OF WORK. ALL EXISTING DEVICES SHALL BE FIELD VERIFIED PRIOR TO BEGINNING WORK OR SUBMITTING PRICES. IT IS THE INTENT OF THESE DOCUMENTS THAT ALL EXISTING ELECTRICAL RACEWAYS, CIRCUITRY, AND EQUIPMENT IN THE AREA OF WORK BE DEMOLISHED UNLESS OTHERWISE NOTED OR UNLESS FEEDING EXISTING EQUIPMENT TO REMAIN. REROUTE CIRCUITRY OR REFEED EXISTING EQUIPMENT TO REMAIN AS REQUIRED TO FACILITATE THE COMPLETION OF ALL WORK ON THIS PROJECT.
2. THE OWNER SHALL BE GIVEN THE FIRST RIGHT OF REFUSAL FOR ALL EQUIPMENT BEING DEMOLISHED (FIXTURES, GEAR, DISCONNECTS, MOTOR STARTERS, ETC.). THE CONTRACTOR SHALL STORE EQUIPMENT THAT THE OWNER ELECTS TO KEEP AT THE LOCATION ON THE SITE TO BE DESIGNATED BY THE OWNER. ALL OTHER EQUIPMENT SHALL BE DEMOLISHED AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
3. ALL EXISTING CIRCUITS IN THE RENOVATED AREAS SHALL BE TRACED BY THE ELECTRICAL CONTRACTOR AND MARKED ACCORDINGLY BEFORE BEGINNING WORK. ALL UNUSED BREAKERS SHALL BE LABELED AS SPARE AND TURNED OFF.
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DEMOLITION LEGEND

- RL# EXISTING DEVICE TO BE RELOCATED. NUMBER INDICATES RELOCATED DEVICE. SEE POWER/LIGHTING PLANS FOR NEW DEVICE LOCATIONS
- ⊗ EXISTING DEVICE TO BE DEMOLISHED IN ITS ENTIRETY. IF THE DEVICE IS ON A DEDICATED CIRCUIT, THE CIRCUITRY SHALL BE DEMOLISHED BACK TO THE PANEL AND THE BREAKER LABELED AS "SPARE".
- ETR EXISTING DEVICE TO REMAIN. EXISTING CIRCUITRY TO REMAIN UNLESS SHOWN WITH NEW ON POWER OR LIGHTING PLANS.

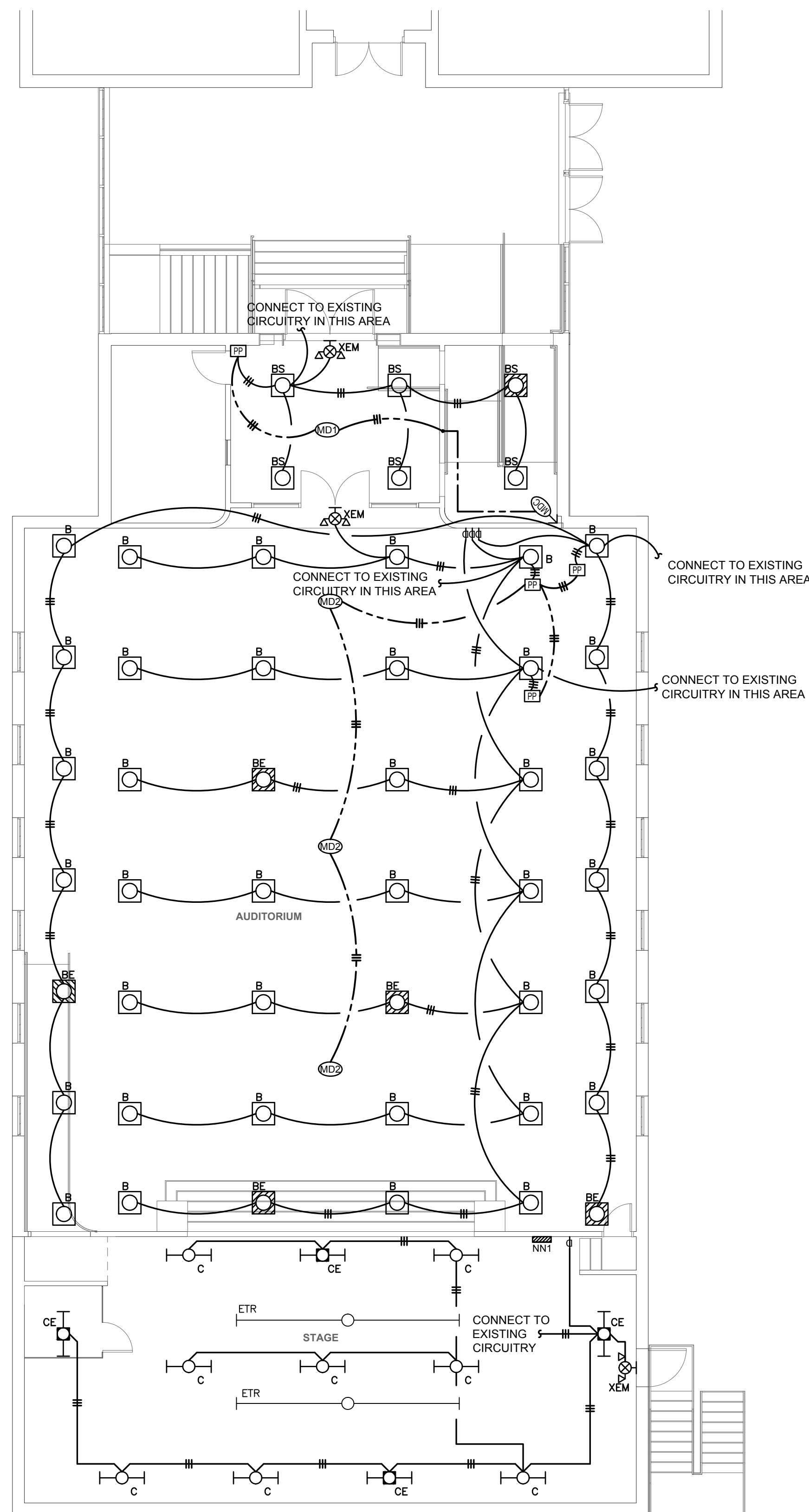


1 PONTOTOC MIDDLE PARTIAL DEMOLITION PLAN
ED301 Scale: 1/8" = 1'-0"

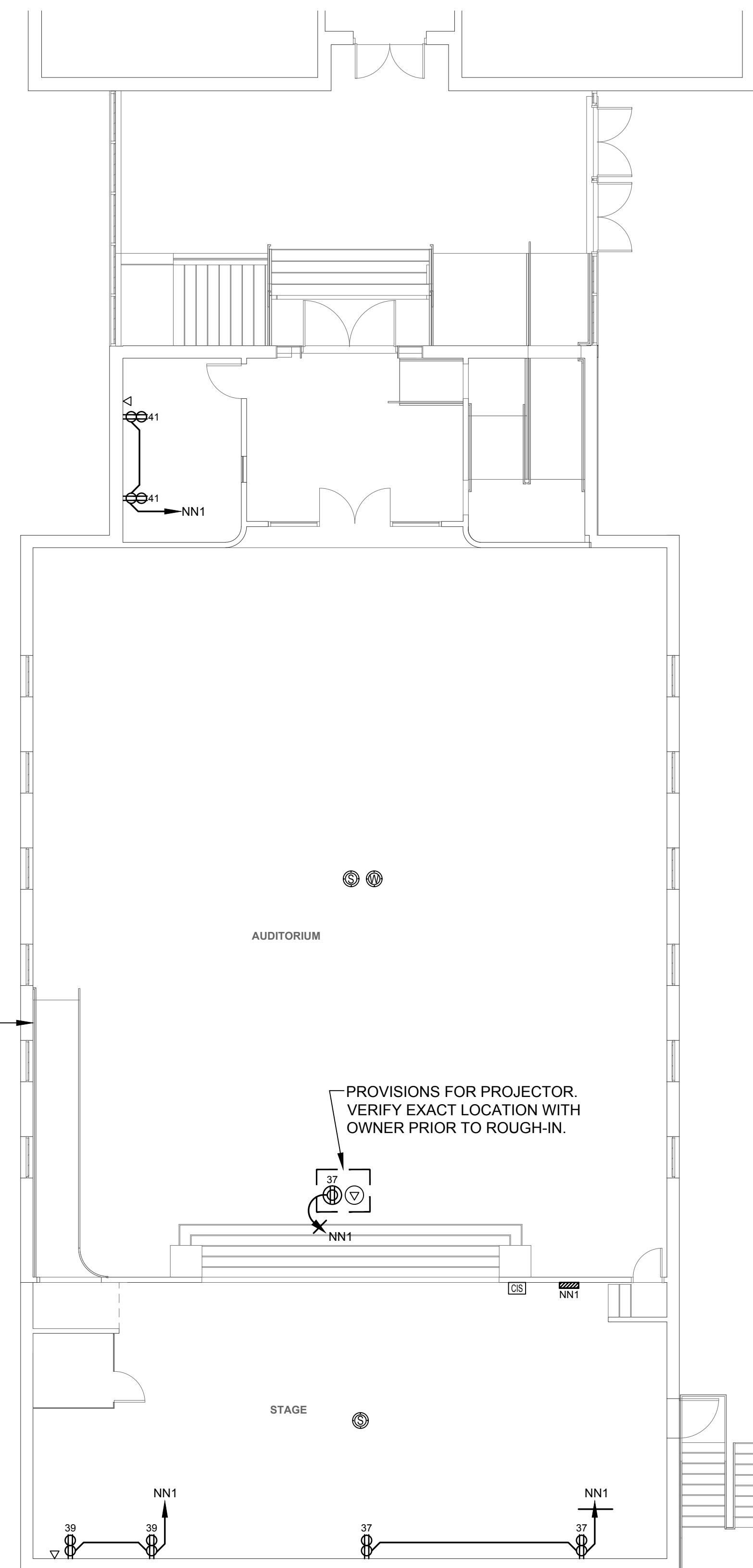
GENERAL NOTES

Mark	Description
1.	ELECTRICAL CONTRACTOR SHALL USE WIREMOLD 700 SERIES WHERE SURFACE MOUNTED CONDUITS ARE SHOWN.

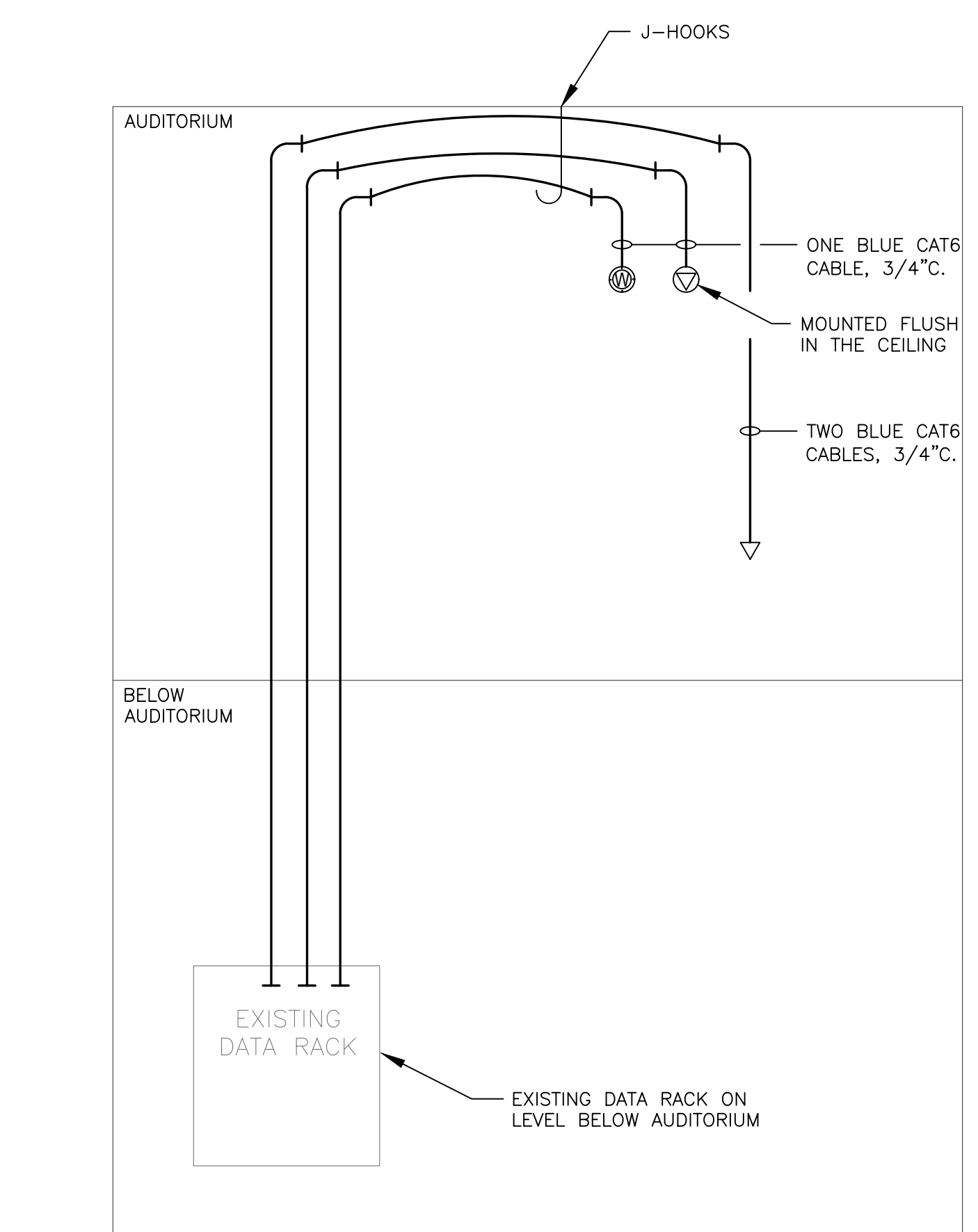
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				A	B	C				
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3	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	4
5	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	6
7	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	20	1	8
9	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	10
11	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	12
13	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	20	1	14
15	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	16
17	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	18
19	20	1	EXISTING LOAD	0.0	0.0		EXISTING LOAD	20	1	20
21	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	22
23	20	1	EXISTING LOAD			0.0	EXISTING LOAD	20	1	24
25	20	1	EXISTING LOAD	0.0	0.0		SPARE	20	1	26
27	20	1	SPARE			0.0	SPARE	20	1	28
29	20	1	SPARE			0.0	SPARE	20	1	30
31	15	3	EXISTING LOAD	0.0	0.0		EXISTING LOAD	100	3	32
33	-	-	-			0.0	-	-	-	34
35	-	-	-			0.0	-	-	-	36
37	20	1	REC. - (STAGE AND PROJECTOR)	1.0	0.0		SPARE	20	1	38
39	20	1	REC. - (STAGE - TEACHERS STATION)			0.7	SPARE	20	1	40
41	20	1	REC. - (OFFICE)			0.7	SPARE	20	1	42
43	20	1	SPARE	0.0	0.0		SPARE	20	1	44
45	20	1	SPARE			0.0	SPARE	20	1	46
47	20	1	SPARE			0.0	SPARE	20	1	48
49	20	1	SPARE	0.0	0.0		SPARE	20	1	50
51	20	1	SPARE			0.0	SPARE	20	1	52
53	20	1	SPARE			0.0	SPARE	20	1	54
TOTAL				1.0	0.7	0.7				



1 PONTOTOC MIDDLE PARTIAL LIGHTING RENOVATION PLAN
Scale: 1/8" = 1'-0"

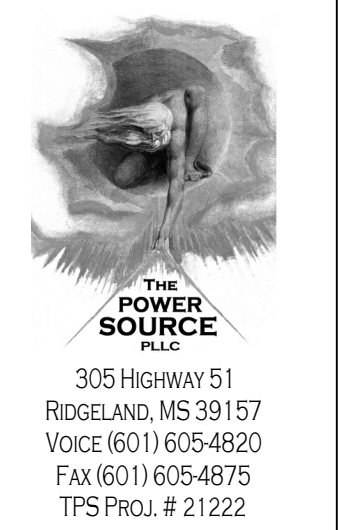


2 PONTOTOC MIDDLE PARTIAL POWER/AUXILIARY RENOVATION PLAN
Scale: 1/8" = 1'-0"



3 PONTOTOC MIDDLE COMMUNICATION RISER DIAGRAM
Scale: NONE

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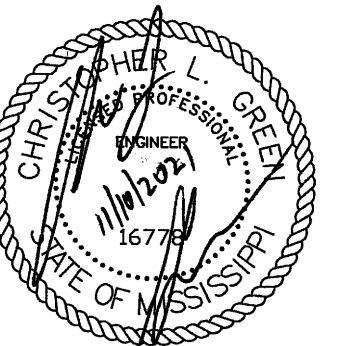
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Pontotoc City Schools
PCS Middle School: 135 Education Drive, Pontotoc, MS 38863

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PONTOTOC MIDDLE SCHOOL
PARTIAL RENOVATION
PLAN