

DATE:18 February 2024
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VIA:File Share

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SUBJECT:
ADDENDUM #01
LINDENWOLD SCHOOL #4
RYEB Project #5743F, H & O

This addendum is issued to clarify, correct or supplement the Documents as originally issued and will become a part of the Contract. Receipt thereof shall be acknowledged by Bidders in space provided in the Form of Bid. Failure to acknowledge this Addendum on the official Form of Bid may be cause for rejection of Bid.

1.01. **CLARIFICATION:** (Reference to High-Performance Coatings and Maintenance Repainting Locations):

All corridor-side surfaces and stairwells: Follow Specification Section 099600, HIGH PERFORMANCE COATINGS for repainting of these areas. Contractor to field-test existing substrates and existing finishes for proper adhesion and compatibility before proceeding.

All other spaces: Follow Specification Section 090190.52, MAINTENANCE RE-PAINTING for all other spaces. Contractor to field test existing substrates and existing finishes for proper adhesion and compatibility before proceeding.

1.02. **AMENDMENT:** See attached amended electrical drawings numbered E-001, E-002, E-003, E-101, E-102, E-103, E-104, E-105, E-106, E-200, E-300, consisting of 11 drawings total.

1.03. **AMENDMENT:** See attached amended mechanical drawings, numbered, H-100, H-101, H-102, H-103, H-105, H-106, HP-100, HP-102, H-402, H-403, consisting of 11 drawings total.

1.04. **ADDITION:** Ground Penetrating Radar GPR Information: See attached report entitled “Ground Penetrating Radar (GPR) Utility Locate-Lindenwold School #4”, dated 18 October 2016 for Contractor review and coordination.

As part of the Base-Bid, the Contractor is to provide an updated Ground Penetrating Radar (GPR) service and report to locate (mark-out) all existing underground utilities in areas where site utilities are located, and new work is required. Provide a copy of the GPR Report to the A/E and Owner prior to proceeding with excavation.

1.05. **CLARIFICATION:** All areas indicated to receive new flooring materials are to receive floor patching/leveling of the existing subfloor prior to installation of new flooring adhesive.

1.06. **AMENDMENT:** Delete specification section 096519, LUXURY VINYL COMPOSITION TILE FLOORING as bound in the Project Manual.

Replace with the attached specification section 096519, LUXURY VINYL COMPOSITION TILE FLOORING, consisting of 6 pages total.

1.07. **CLARIFICATION:** (Reference to Specification Section 123216, MANUFACTURED PLASTIC-LAMINATE-CLAD CASEWORK):

1. All casework must be of balanced construction to avoid warpage or sag.
2. All cores at sinks and sink bases are to be constructed of moisture-resistant (MR) particleboard.
3. Plywood construction materials are not acceptable.

1.08 **AMENDMENT:** (Reference to Specification Section 095113, ACOUSTICAL PANEL CEILINGS)

1. Delete Specification Section 095113, Acoustical Panel Ceilings as published in the Project Manual.
2. Replace with amended and attached Specification Section 095113, Acoustical Panel Ceilings, consisting of 9 pages total.

Type APC-2 acoustical panel ceilings was added to the scope of work and is to be used at all restroom locations.

1.09 **CLARIFICATIONS:** (Bidders Questions)

1. **Question:** Note 1 on H-104 is calling for all Supply, Return, and Exhaust duct above roof shall be Dual-Tech prefab duct. There are goosenecks on the roof which appear to be acting as relief. Do the goosenecks also need to be Dual-Tech.

Response: HVAC New Work Note #1 has been amended on drawings H-104 & H-105, an attached to this addendum.

2. **Question:** Note 1 on H-104 calls for duct on roof to be Dual-Tech or Approved Equal. Since this ductwork is not listed in the spec, please provide approved equal products.

Response: HVAC New Work Note #1 has been amended on drawings H-104 & H-105, an attached to this addendum.

1.10 **ADDITION:** As part of the Contract, a Contractor provided Fire-Watch will be required at all times during the periods when life-safety systems are non-functional. The designated Fire Watch must be maintained by the Contractor until the life-systems are fully operational.

1.11 **CLARIFICATION:** The Board of Education will employ the services of a Construction Manager to oversee the Project. A Construction Manager has not been selected as of this date and will be named in the Spring of 2026.

1.12 **CLARIFICATION:** (Bidders Question):

1. **Question:** The Schedule states that the abatement will commence on 6/29/26 and that the rest of the work can only begin once the abatement is completed, and clean air tests are achieved. This will leave very little time for the rest of the work to be finished by the substantial completion date of 8/31/26. Is the intent to have multiple shift workers around the clock? As the schedule stands now, it seems unfeasible to complete the work under normal conditions.

Response:

- A. Please refer to specification section ASBESTOS ABATEMENT WORK PLAN-2026 HVAC REPLACEMENT, for detailed specifics related to the asbestos abatement work with specific attention paid to work designated under Subchapter 8, and work areas designated as "Occupied".
- For the "Subchapter-8" boiler room abatement work, the job is being performed under occupied conditions. Other trades may occupy and work in those parts of the building outside the construction barriers set up to demarcate the abatement zone. After acceptable air tests are obtained and the final cleaning and breakdown in the boiler room are complete, the boiler room and adjacent lower-level classroom and hallway areas will be available for re-occupancy by other contractors.
 - For the other non-"Subchapter 8" floor coverings and sink removal work, the scope may be divided into phases at the discretion of the GC and their subcontractors and, as areas are completed and acceptable air tests are obtained, the abated areas may be re-occupied by the other trades.
 - Please review the asbestos abatement portion of the specification for details regarding the scope of the asbestos abatement activities.
- B. Please refer to specification Section 011000, SUMMARY, Paragraph 1.11, WORK RESTRICTIONS. This section specifically lists the hours the building will be open to the contracting team and the procedures to follow. The Owner will permit First and Second Shift work availability if given 3-days prior notice.
- C. First and Second Shifts: If requested by the Contractor, the Owner will provide building accessibility for both first and second shifts without additional charge to the Contractor. Three-days prior notice is required for second shift access request.
- D. Third Shift: If requested by the Contractor, the Owner will make the facility open for Third-Shift work, if given three-days prior notice. The Contractor will be responsible for reimbursing the costs of the third shift building coverage to the Owner.

1.13 **CLARIFICATION:** (Bidders Question):

1. **Question:** Will the Moisture Vapor Emission Control be needed in every instance that new flooring is to be installed? It is only referenced in the specifications and not on the plans.
2. **Response:**
 - A. All new flooring adhesive must be provided by the flooring manufacturer (or acceptable to the flooring manufacturer in writing) and must be the highest level high-humidity/high-moisture conditions.
 - B. MVEP is required when the moisture test results when the test results exceed the adhesive manufacturer's published data.
 - C. For the purpose of the Bid, the Contractor should include 7,500 SF of MVEP for this Project.
 - D. All areas indicated to receive new flooring materials are to receive floor patching/leveling of the existing subfloor prior to installation of new flooring adhesives in addition to any MVEP required.

1.14 **CLARIFICATION:** (Reference to Specification Section 123216, MANUFACTURED PLASTIC-LAMINATE-CLAD CASEWORK):

1. All casework must be of balanced construction to avoid warpage or sag.
2. All core at sinks and sink bases are to be constructed of moisture-resistant (MR) particleboard.
3. Plywood construction materials are not acceptable.

1.15 **CLARIFICATION:** All existing roof mounted PV panels have been removed from the roof. The Owner intends to install a new rooftop PV system after the new roofing is installed.

1.16 **CLARIFICATION** (Bidders Questions):

- A. **Question:** Given the significant amounts of VAT abatement condensed into the early portion of the 2026 Summer coupled with the remainder of the contract work, especially the re-roofing, is it possible to perform abatement and new flooring installations (minus small perimeter portions around classroom UVs) within Summer 2025, and or Holiday breaks? A major concern is the disturbance from re-roofing activities in relation air quality clearances. Concerns are impacts to the aggressive schedule, costs for re-testing borne by contractor, etc.

Response: All work is to be conducted in 2026 per the contract documents. All air testing and costs are outside the Contractor contract and will be provided through the Owner.

- B. **Question:** Who will be responsible for life safety, building security , etc. during electrical service & generator outages.

Response: See item 1.10 above.

- C. **Question:** There seems to be (2) Alternate #5's on the bid form. Please clarify.

Response: No, there is only one Alternate No. 05 on the Form of Bid. There is an Alternate numbered 0.5 for the roofing work that may be the confusion. However, Alternate Bid No.05 was amended to include resilient terrazzo tile flooring as part of Alternate No. 5.

Bidders are to use the amended Form of Bid attached to this Addendum for their bid submission.

- D. **Question:** On the F/A replacement we are assuming that the installation of the new system must be completed and certified before existing system removals can be started is that accurate ?

Response: The existing FA system must remain in full operation until switchover to the new FA system to ensure seamless building coverage.

- E. **Question:** Who will be responsible for maintaining 24/7 fire watch through the existing school during abatement work.

Response: See item 1.10 above.

- F. **Question:** Who will be responsible for dehumidification within the entire school during abatement work ? Are there any specific areas within the school outside of abatement areas that need to be maintained but whose system also serve areas of scheduled abatement ? If so, please indicate locations.

Response: The existing building does not currently have dehumidification capabilities. The Contractor will not be required to provide temporary dehumidification as part of their scope of work.

- G. **Question:** It was noticed within certain divisions of the specs its calls for contractor to procure & pay for all permits , fees, etc. (i.e. 260000- 1.9(B)). Other language within the documents place all permits & fees upon the owner. Please clarify.

Response: The Contractor will apply for and obtain all permits. If the Borough of Lindenwold charges a plan review fee, the Contractor will pay for the permit costs and submit the costs to the Lindenwold BoE for reimbursement without any Contractor markup.

- H. **Question:** Are there any specific permits and or fees associated with Atlantic City Electric that will be the responsibly of the contractor?

Response: The Contractor must apply for new electrical service to Atlantic City Electric. Any fees required by Atlantic City Electric will be paid by the Lindenwold Board of Education.

- I. **Question:** Will there be any additional costs to the contractor by monitoring & sampling is conducted on 2nd shifts ?

Response: The Owner will provide all monitoring and sampling on first and second shifts without cost to the Owner.

1.17 **ADDITION:** In Classroom 112, Contractor shall remove the existing tackboard to permit the installation of the HVAC piping and piping chase. Contractor to turn over tackboard to the Owner in undamaged condition and patch wall and repaint.

1.18 **CLARIFICATION:** In all toilet rooms, storage closets and coat cubbies areas within each classroom, the Contractor is to remove all existing gypsum/plaster ceilings and ceiling support systems in their entirety. Install new acoustical panel ceilings. Follow MEP drawings for new lighting and other work in these areas.

1.19 **CLARIFICATION (Bidders Questions):**

- A. **Question:** Please advise the contract number and title required on line 7 of the Consent of Surety.

Response: On line 7, please input the name of the project and the Architect's project number.

- B. **Question:** Are other manufacturers of SBS roofing acceptable such as Versico and Garland? Are other roofing systems such as EPDM or TPO acceptable alternates?

Response: The SBS specifications currently list a Basis-of-Design System along with three other pre-approved systems and manufacturers. Garland is currently listed.

As required by NJ Public Contracts Law, the specifications also have provisions for the submission of potential “or equal” products. The burden of proof of equivalency of other manufacturers systems lays with the Contractor and the approval or rejection of proposed systems is the architect’s decision.

Only SBS systems, as specified and approved, are acceptable on this project.

- C. **Question:** Specifications list a surface preparation schedule that does not appear on the plans, please advise.

Response: The specifications surface preparation is general in nature and is intended to provide direction for known conditions present in the building. The Contractor shall review the existing conditions and develop a submission of systems preparation and finish painting based on the conditions currently present in the building.

- D. **Question:** Would it be possible to get a valuation of the existing building to help us calculate the Builder’s Risk that we are to carry.

Response: The Board of Education will not require the Contractor to purchase Builder’s Risk insurance coverage for the project. All other specified insurance is required.

- 1.20 **AMENDMENT:** See attached amended plumbing drawings numbered, PD-100, PD-101, P-100, P-102, P-104, P-300, consisting of six sheets total.
- 1.21 **CLARIFICATION:** See amended drawings A-200 and A-200.1, consisting of two (2) drawings total.

ATTACHMENTS:

1. Specification Section 095113, ACOUSTICAL PANEL CEILINGS, consisting of 9 pages total.
2. Specification Section 0956519, LUXURY VINYL COMPOSITION TILE FLOORING, consisting of 6 pages total.
3. Ground Penetrating Radar (GPR) Report, dated October 18, 2016, consisting of 14 pages total.
4. Amended Specification Section 002000, FORM OF BID, consisting of 10 pages total.
5. Amended electrical drawings numbered E-001, E-002, E-003, E-101, E-102, E-103, E-104, E-105, E-106, E-200, E-300, consisting of 11 drawings total.
6. Amended mechanical drawings, numbered, H-100, H-101, H-102, H-103, H-105, H-106, HP-100, HP-102, H-402, H-403, consisting of 11 drawings total.
7. Amended plumbing drawings numbered, PD-100, PD-101, P-100, P-102, P-104, P-300, consisting of 6 drawings total.
8. Amended architectural drawings A-200 and A200.1, consisting of 2 pages total.

Addendum 01 consists of (45) pages and (30) drawings.

END OF ADDENDUM 01

SECTION 095113 - ACOUSTICAL PANEL CEILINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section includes acoustical panels and exposed suspension systems for interior ceilings.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: For each exposed product and for each color and texture specified, 6 inches (150 mm) in size.
- C. Samples for Initial Selection: For components with factory-applied finishes.
- D. Samples for Verification: For each component indicated and for each exposed finish required, prepared on Samples of sizes indicated below:
 - 1. Acoustical Panels: Set of 6-inch- (150-mm-) square Samples of each type, color, pattern, and texture.
 - 2. Exposed Suspension-System Members, Moldings, and Trim: Set of 6-inch- (150-mm-) long Samples of each type, finish, and color.

1.4 INFORMATIONAL SUBMITTALS

- A. Product Test Reports: For each acoustical panel ceiling, for tests performed by manufacturer and witnessed by a qualified testing agency.
- B. Evaluation Reports: For each acoustical panel ceiling suspension system and anchor and fastener type, from ICC-ES.
- C. Field quality-control reports.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For finishes to include in maintenance manuals.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Acoustical Ceiling Units: Full-size panels equal to 2 percent of quantity installed.
 - 2. Suspension-System Components: Quantity of each exposed component equal to 2 percent of quantity installed.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver acoustical panels, suspension-system components, and accessories to Project site and store them in a fully enclosed, conditioned space where they will be protected against damage from moisture, humidity, temperature extremes, direct sunlight, surface contamination, and other causes.
- B. Before installing acoustical panels, permit them to reach room temperature and a stabilized moisture content.

1.8 FIELD CONDITIONS

- A. Environmental Limitations: Do not install acoustical panel ceilings until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Source Limitations: Obtain each type of acoustical ceiling panel and its supporting suspension system from single source from single manufacturer.

2.2 PERFORMANCE REQUIREMENTS

- A. Surface-Burning Characteristics: Comply with ASTM E 84; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - 1. Flame-Spread Index: Class A according to ASTM E 1264.
 - 2. Smoke-Developed Index: 50 or less.
- B. Fire-Resistance Ratings: Comply with ASTM E 119; testing by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - 1. Indicate design designations from UL or from the listings of another qualified testing agency.

2.3 ACOUSTICAL PANELS APC-1 (At all locations except Restrooms)

- A. Acoustical Panel Standard: Provide manufacturer's standard panels according to ASTM E 1264 and designated by type, form, pattern, acoustical rating, and light reflectance unless otherwise indicated.
- B. District Standard: USG Radar Basic, Item #R2310, or Architect-approved equal.
- C. Type: Type III, Form 2, Pattern C, E and C,E,K.
- D. Color: White.
- E. Light Reflectance (LR): Not less than 0.83.
- F. Noise Reduction Coefficient (NRC): Not less than 0.55.
- G. Thickness: 5/8-inch.
- H. Modular Size: 24 by 48 inches.
- I. CAC Min: 35
- J. Fire Rating: Class A.
- K. Sag Resistance: Manufacturer's standard formula.
- L. Edge: Square.
- M. Antimicrobial Treatment: Manufacturer's standard broad spectrum, antimicrobial formulation that inhibits fungus, mold, mildew, and gram-positive and gram-negative bacteria and showing no mold, mildew, or bacterial growth when tested according to ASTM D 3273, ASTM D 3274, or ASTM G 21 and evaluated according to ASTM D 3274 or ASTM G 21.
- N. Warranty: Manufacturer's standard 30-year systems warranty against visible sag, mold/mildew and bacterial growth.
- O. Basis of Design: USG Ceiling Solutions, ClimaPlus Performance Kitchen Lay-In Panels, Item #3410, or Architect-approved equal from one of the following manufacturers:
 - 1. Armstrong Ceiling Solutions.
 - 2. Certainteed; Saint-Gobain.
 - 3. Architect-approved equal.
- P. Acoustical Panel Standard: Provide manufacturer's standard panels according to ASTM E1264 and designated by type, form, pattern, acoustical rating, and light reflectance unless otherwise indicated.
- Q. VOC Emissions: Low-emitting with GREENGUARD Certification.
- R. Recycled Content: Not less than 24% recycled content.

- S. Flame Spread: 25 or less per ASTM E84.
- T. Smoke Developed: 50 or less per ASTM E84.
- U. Classification: Provide fire-resistance-rated panels as follows:
 - 1. Type and Form: Type IX; Form 2, water felted.
 - 2. Pattern: G (smooth).
- V. Color: White.
- W. Light Reflectance (LR): Not less than 0.90.
- X. Ceiling Attenuation Class (CAC): Not less than 35.
- Y. Edge/Joint Detail: Square.
- Z. Thickness: 5/8 inch.
- AA. Modular Size: 24 by 48 inches.
- BB. Antimicrobial Treatment: Manufacturer's standard broad spectrum, antimicrobial formulation that inhibits fungus, mold, mildew, and gram-positive and gram-negative bacteria and showing no mold, mildew, or bacterial growth when tested according to ASTM D3273, ASTM D3274, or ASTM G21 and evaluated according to ASTM D3274 or ASTM G21.
- CC. Warranty: Manufacturer's standard no visible sag and mold and mildew protection for 30 years from Date of Substantial Completion.

2.4 ACOUSTICAL PANELS APC-2 (All Restroom Locations)

- A. Basis of Design: USG Ceiling Solutions, ClimaPlus Performance Kitchen Lay-In Panels, Item #3410, or Architect-approved equal from one of the following manufacturers:
 - 1. Armstrong Ceiling Solutions.
 - 2. Certainteed; Saint-Gobain.
 - 3. Architect-approved equal.
- B. Acoustical Panel Standard: Provide manufacturer's standard panels according to ASTM E1264 and designated by type, form, pattern, acoustical rating, and light reflectance unless otherwise indicated.
- C. VOC Emissions: Low-emitting with GREENGUARD Certification.
- D. Recycled Content: Not less than 24% recycled content.
- E. Flame Spread: 25 or less per ASTM E84.
- F. Smoke Developed: 50 or less per ASTM E84.

- G. Classification: Provide fire-resistance-rated panels as follows:
 - 1. Type and Form: Type IX; Form 2, water felted.
 - 2. Pattern: G (smooth).
- H. Color: White.
- I. Light Reflectance (LR): Not less than 0.90.
- J. Ceiling Attenuation Class (CAC): Not less than 35.
- K. Edge/Joint Detail: Square.
- L. Thickness: 5/8 inch.
- M. Modular Size: 24 by 48 inches.
- N. Antimicrobial Treatment: Manufacturer's standard broad spectrum, antimicrobial formulation that inhibits fungus, mold, mildew, and gram-positive and gram-negative bacteria and showing no mold, mildew, or bacterial growth when tested according to ASTM D3273, ASTM D3274, or ASTM G21 and evaluated according to ASTM D3274 or ASTM G21.
- O. Warranty: Manufacturer's standard no visible sag and mold and mildew protection for 30 years from Date of Substantial Completion.

2.5 METAL SUSPENSION SYSTEM

- A. Metal Suspension-System Standard: Provide manufacturer's standard, direct-hung, metal suspension system and accessories according to ASTM C 635/C 635M and designated by type, structural classification, and finish indicated.
- B. Wide-Face, Capped, Double-Web, Fire-Rated, Steel Suspension System: Main and cross runners roll formed from cold-rolled steel sheet; prepainted, electrolytically zinc coated, or hot-dip galvanized, G30 (Z90) coating designation; with prefinished 15/16-inch- (24-mm-) wide metal caps on flanges.
 - 1. Type A or Type C, USG Ceiling Systems.
 - 2. Structural Classification: Intermediate-duty system.
 - 3. End Condition of Cross Runners: butt-edge type.
 - 4. Face Design: Flat, flush.
 - 5. Cap Material: Cold-rolled steel.
 - 6. Cap Finish: Painted white.
 - 7. Manufacturer: Same manufacturer as the acoustical panel ceiling tiles.

2.6

2.7 ACCESSORIES

- A. Attachment Devices: Size for five times the design load indicated in ASTM C 635/C 635M, Table 1, "Direct Hung," unless otherwise indicated. Comply with seismic design requirements.
 - a. Corrosion Protection: Stainless-steel components complying with ASTM F 593 and ASTM F 594, Group 1 Alloy 304 or 316.
- B. Wire Hangers, Braces, and Ties: Provide wires as follows:
 - 1. Stainless-Steel Wire: ASTM A 580/A 580M, Type 304, nonmagnetic.
 - 2. Size: Wire diameter sufficient for its stress at three times hanger design load (ASTM C 635/C 635M, Table 1, "Direct Hung") will be less than yield stress of wire, but not less than 0.106-inch- (2.69-mm) diameter wire.
- C. Flat Hangers: Mild steel, zinc coated or protected with rust-inhibitive paint.
- D. Angle Hangers: Angles with legs not less than 7/8 inch (22 mm) wide; formed with 0.04-inch- (1-mm-) thick, galvanized-steel sheet complying with ASTM A 653/A 653M, G90 (Z275) coating designation; with bolted connections and 5/16-inch- (8-mm-) diameter bolts.
- E. Seismic Clips: Manufacturer's standard seismic clips designed to secure acoustical panels in place during a seismic event.
- F. Seismic Stabilizer Bars: Manufacturer's standard perimeter stabilizers designed to accommodate seismic forces.
- G. Seismic Struts: Manufacturer's standard compression struts designed to accommodate seismic forces.

2.8 METAL EDGE MOLDINGS AND TRIM

- A. Roll-Formed, Sheet-Metal Edge Moldings and Trim: Type and profile indicated or, if not indicated, manufacturer's standard moldings for edges and penetrations that comply with seismic design requirements; formed from sheet metal of same material, finish, and color as that used for exposed flanges of suspension-system runners.
 - 1. Edge moldings shall fit acoustical panel edge details and suspension systems indicated and match width and configuration of exposed runners unless otherwise indicated.
 - 2. For lay-in panels with reveal edge details, provide stepped edge molding that forms reveal of same depth and width as that formed between edge of panel and flange at exposed suspension member.
 - 3. For circular penetrations of ceiling, provide edge moldings fabricated to diameter required to fit penetration exactly.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, including structural framing to which acoustical panel ceilings attach or abut, with Installer present, for compliance with requirements specified in this and other Sections that affect ceiling installation and anchorage and with requirements for installation tolerances and other conditions affecting performance of acoustical panel ceilings.
- B. Examine acoustical panels before installation. Reject acoustical panels that are wet, moisture damaged, or mold damaged.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Measure each ceiling area and establish layout of acoustical panels to balance border widths at opposite edges of each ceiling. Avoid using less-than-half-width panels at borders unless otherwise indicated, and comply with layout shown on reflected ceiling plans.
- B. Layout openings for penetrations centered on the penetrating items.

3.3 INSTALLATION

- A. Install acoustical panel ceilings according to ASTM C 636/C 636M, seismic design requirements, and manufacturer's written instructions.
 1. Fire-Rated Assembly: Install fire-rated ceiling systems according to tested fire-rated design.
- B. Suspend ceiling hangers from building's structural members and as follows:
 1. Install hangers plumb and free from contact with insulation or other objects within ceiling plenum that are not part of supporting structure or of ceiling suspension system.
 2. Splay hangers only where required and, if permitted with fire-resistance-rated ceilings, to miss obstructions; offset resulting horizontal forces by bracing, countersplaying, or other equally effective means.
 3. Where width of ducts and other construction within ceiling plenum produces hanger spacings that interfere with location of hangers at spacings required to support standard suspension-system members, install supplemental suspension members and hangers in form of trapezes or equivalent devices.
 4. Secure wire hangers to ceiling-suspension members and to supports above with a minimum of three tight turns. Connect hangers directly to structure or to inserts, eye screws, or other devices that are secure and appropriate for substrate and that will not deteriorate or otherwise fail due to age, corrosion, or elevated temperatures.

5. Secure flat, angle, channel, and rod hangers to structure, including intermediate framing members, by attaching to inserts, eye screws, or other devices that are secure and appropriate for both the structure to which hangers are attached and the type of hanger involved. Install hangers in a manner that will not cause them to deteriorate or fail due to age, corrosion, or elevated temperatures.
 6. Do not support ceilings directly from permanent metal forms or floor deck. Fasten hangers to cast-in-place hanger inserts, postinstalled mechanical or adhesive anchors, or power-actuated fasteners that extend through forms into concrete.
 7. When steel framing does not permit installation of hanger wires at spacing required, install carrying channels or other supplemental support for attachment of hanger wires.
 8. Do not attach hangers to steel deck tabs.
 9. Space hangers not more than 48 inches (1200 mm) o.c. along each member supported directly from hangers unless otherwise indicated; provide hangers not more than 8 inches (200 mm) from ends of each member.
 10. Size supplemental suspension members and hangers to support ceiling loads within performance limits established by referenced standards.
- C. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal edges of acoustical panels.
1. Apply acoustical sealant in a continuous ribbon concealed on back of vertical legs of moldings before they are installed.
 2. Screw attach moldings to substrate at intervals not more than 16 inches (400 mm) o.c. and not more than 3 inches (75 mm) from ends. Miter corners accurately and connect securely.
 3. Do not use exposed fasteners, including pop rivets, on moldings and trim.
- D. Install suspension-system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.
- E. Install acoustical panels with undamaged edges and fit accurately into suspension-system runners and edge moldings. Scribe and cut panels at borders and penetrations to provide precise fit.
1. For square-edged panels, install panels with edges fully hidden from view by flanges of suspension-system runners and moldings.
 2. For reveal-edged panels on suspension-system runners, install panels with bottom of reveal in firm contact with top surface of runner flanges.
 3. For reveal-edged panels on suspension-system members with box-shaped flanges, install panels with reveal surfaces in firm contact with suspension-system surfaces and panel faces flush with bottom face of runners.
 4. Paint cut edges of panel remaining exposed after installation; match color of exposed panel surfaces using coating recommended in writing for this purpose by acoustical panel manufacturer.
 5. Protect lighting fixtures and air ducts according to requirements indicated for fire-resistance-rated assembly.

3.4 ERECTION TOLERANCES

- A. Suspended Ceilings: Install main and cross runners level to a tolerance of 1/8 inch in 12 feet (3 mm in 3.6 m), non-cumulative.
- B. Moldings and Trim: Install moldings and trim to substrate and level with ceiling suspension system to a tolerance of 1/8 inch in 12 feet (3 mm in 3.6 m), non-cumulative.

3.5 CLEANING

- A. Clean exposed surfaces of acoustical panel ceilings, including trim, edge moldings, and suspension-system members. Comply with manufacturer's written instructions for cleaning and touchup of minor finish damage.
- B. Remove and replace ceiling components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION 095113

SECTION 096519 – LUXURY VINYL COMPOSITION TILE FLOORING

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:
 - 1. Commercial luxury vinyl composition tile.

1.3 RELATED SECTIONS

- A. Section 090561.13, “Moisture Vapor Emission Control”.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Samples: Full-size units of each color, texture, and pattern of floor tile required.
- C. Samples for Initial Selection: For each type of floor tile indicated.
- D. Samples for Verification: Full-size units of each color and pattern of floor tile required.

1.5 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of floor tile to include in maintenance manuals.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Floor Tile: Furnish one box for every 50 boxes or fraction thereof, of each type, color, and pattern of floor tile installed.

1.8 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are competent in techniques required by manufacturer for floor tile installation and seaming method indicated.
 - 1. Engage an installer who employs workers for this Project who are trained or certified by floor tile manufacturer for installation techniques required.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Store floor tile and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 50 deg F (10 deg C) or more than 90 deg F (32 deg C). Store floor tiles on flat surfaces.

1.10 FIELD CONDITIONS

- A. Maintain ambient temperatures within range recommended by manufacturer, but not less than 70 deg F (21 deg C) or more than 95 deg F (35 deg C), in spaces to receive floor tile during the following periods:
 - 1. 48 hours before installation.
 - 2. During installation.
 - 3. 48 hours after installation.
- B. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F (13 deg C) or more than 95 deg F (35 deg C).
- C. Close spaces to traffic during floor tile installation.
- D. Close spaces to traffic for 48 hours after floor tile installation.
- E. Install floor tile after other finishing operations, including painting, have been completed.

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For resilient floor tile, as determined by testing identical products according to ASTM E648 or NFPA 253 by a qualified testing agency.
 - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.

2.2 LUXURY VINYL TILES

- A. Commercial Grade Luxury Vinyl Floor Tiles: Manufacturer's luxury vinyl tiles consisting of commercial UV-cured coating, performance wear layer, with printed visual layer, base layers, with smooth wearing surface and manufacturer's standard factory-applied, protective coating.
- B. Basis-of-Design Manufacturer and Product: Natural Creations Collections, Armstrong Commercial Flooring Systems or a specification-compliant and approved equal product from one of the following:
 - 1. Burke Flooring.
 - 2. Forbo Flooring Systems.
 - 3. Architect-approved equal.
- C. Thickness: 0.125-inch product, with a wear layer of 0.020-inch.
- D. Size: 18-inches by 18-inches tiles.
- E. Colors: As selected from manufacturer's full range of colors available.
- F. Gloss: Low gloss.
- G. Patterns: Architect may select up to three different colors installed in a pattern to be determined by the Architect. Pattern may include squares, diagonals or checkerboard patterns.
- H. Warranty: Manufacturer's standard 20-year commercial warranty.
- I. Adhesives: As provided by (or recommended by the manufacturer in writing) for high moisture, and high relative humidity concrete slab conditions. Adhesive must come from the same manufacturer as the floor tiles, unless otherwise acceptable to the flooring manufacturer.

2.3 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based or blended hydraulic-cement-based formulation provided or approved by floor tile manufacturer for applications indicated.
- B. Adhesives: High Moisture and High Humidity/Water-resistant type recommended by floor tile and adhesive manufacturers to suit floor tile and substrate conditions indicated.
- C. Floor Polish: Provide protective, liquid floor-polish products recommended by floor tile manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Verify that finishes of substrates comply with tolerances and other requirements specified in other Sections and that substrates are free of cracks, ridges, depressions, scale, and foreign deposits that might interfere with adhesion of floor tile.
 - 2. Pre-Installation Testing: Conduct pre-installation moisture testing at intervals recommended by the manufacturer. Perform bond tests and pH test, as recommended by the flooring manufacturer. Adhesive selection shall be based on the results of testing.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates according to floor tile manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F710.
 - 1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 - 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by floor tile manufacturer. Do not use solvents.
 - 3. Alkalinity and Adhesion Testing: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 5 or more than 9 pH.
 - 4. Moisture Testing: Unless the flooring manufacturer has more stringent requirements, perform tests so that each test area does not exceed 200 sq. ft. (18.6 sq. m), and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate acceptable to the flooring manufacturer and compliance with the adhesive requirements.
 - b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Proceed with installation only after substrates have a rate acceptable to the flooring manufacturer and and compliance with the adhesive requirements.
 - c. Fill cracks, holes, and depressions in substrates with trowelable leveling and patching compound; remove bumps and ridges to produce a uniform and smooth substrate.

- d. Selection of flooring adhesive must meet the requirements of the flooring manufacturer.
- C. Do not install floor tiles until materials are the same temperature as space where they are to be installed.
 - 1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.
- D. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient floor tile.

3.3 FLOOR TILE INSTALLATION

- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 - 1. Lay tiles square with room axis in pattern as determined by the Architect.
- C. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
 - 1. Lay tiles with grain direction alternating in adjacent tiles (basket-weave pattern).
- D. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
- E. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.
- F. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent marking device.
- G. Adhere floor tiles to substrates using a full spread of adhesive applied to substrate to produce a completed installation without open cracks, voids, raising and puckering at joints, telegraphing of adhesive spreader marks, and other surface imperfections.
- H. Accessories: Install according to manufacturer's written instructions.

3.4 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting floor tile.
- B. Perform the following operations immediately after completing floor tile installation:

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1. Remove adhesive and other blemishes from surfaces.
 2. Sweep and vacuum surfaces thoroughly.
 3. Damp-mop surfaces to remove marks and soil.
- C. Protect floor tile from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
- D. Sealers and Finish Coats: No finish coats per Owner's request.
- E. Cover floor tile until Substantial Completion.

END OF SECTION 096519



**GROUND
PENETRATING
RADAR
SYSTEMS, INC.**

NORTHEAST REGION

October 18, 2016

RYEBREAD

Attn: Scott England

SCE@RYEBREAD.com

609.265.2652

Subject: Ground Penetrating Radar (GPR) Utility Locate at:

Lindenwold School 4

900 E. Gibbsboro Rd

Lindenwold, NJ, 08021

856.783.0405

Lead Technician: Paul Kulesza Jr

Project Manager of Philadelphia and the Tri-State Region

Ground Penetrating Radar Systems, Inc.

Philadelphia- 215.694.4747

Southern New Jersey- 609.350.9651

Paul.Kulesza@gp-radar.com

Table of Contents

1. Overview of GPR
2. Equipment & Capabilities
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1. Overview of GPR

Ground Penetrating Radar (GPR) is a non-destructive testing technology that sends a series of radar pulses into the surface which reflect back off of anomalies below. As the radar pulses through the ground, the waves bend slightly when encountering a material with differing physical properties, particularly density and conductivity. Thousands of pulses are sent and received in a small area, and the received signals are combined to form a real-time image of what is in the ground. The various places where the radar waves bend are displayed as anomalies which can be interpreted as reinforcing steel, steel pipes, PVC conduits, underground storage tanks, voids, foundations, etc. One of the many advantages of the technology is the ability to locate metal and non-metallic objects as well as determining depth to the object. GPR data acquisition is very fast and results are available immediately, allowing any discovered anomalies to be marked directly in the field. Although confused with X-Ray, GPR uses less than 1% of your cell phones radiation emissions and is safe to work with human presence in close proximity.



2. Equipment and Capabilities

Ground Penetrating Radar (GPR)

- **GSSI SIR-3000**

-GPRS uses a Geophysical Survey Systems Inc. (GSSI) SIR-3000 radar unit. This is the most advanced GPR available. It allows for on-site interpretation, as well as stored data for later processing. This equipment is self-calibrating, allowing more precise depth and location measurements.

-GSSI is the world's leading GPR designer and manufacturer. Information can be found at www.geophysical.com.

- **400MHZ GSSI Antenna**

-For mid-range scans, we use a 400MHz antenna with the SIR-3000 GPR head unit. This antenna allows data collection to a maximum depth of 10' depending on soil conditions.

***The average depth the 400MHz antenna penetrates in the Philadelphia Tri-State Area is 5'-8'.*

- **RD7000 Radiofrequency Detection System**

- Locating specific pipes and cables in large underground networks is becoming increasingly complex. Ground distortion effects, caused by differing soil types and proximity to other conductors, make the operator's job more difficult and time-consuming. The most important requirements for a locator under these circumstances are ease of use, accuracy and reliability. The RD7000 Utility Locator addresses this need with several groundbreaking features that deliver accurate, reliable and repeatable measurements. This is used only to determine any type of electrical current running in the concrete. This is used as backup with the SIR-3000 due to the possibility of electricity within the scanned structures.

3. Site Description

The scanning took place at the Lindenwold Elementary School 4 located at 900 E. Gibbsboro Road in Lindenwold NJ. At this site our primary objective was to scan around the Elementary School, per email correspondence with client, using the SIR-3000 equipped with the 400MHz antenna and the RD-7000 to locate any anomalous features located subsurface. All Findings were marked on the surface in colored marking paint for further review and documented on CAD for the clients.

4. Inspection Methods

The equipment used consisted of a SIR-3000 operating system along with the 400MHz antenna. As the equipment is in active operation, real time data is displayed on the monitor that is interpreted by our trained and experienced technician. The images portrayed by the system will show underground utilities, obstructions, UST's and/or voids if there are any in the concerned area. While in operation, no radioactive emissions are used. Sweeps are also performed using the RD7000 to determine if there were any live conduits running through the concerned area.

As each scan is taken, a cross-sectional image of the ground is displayed and coordinated with a survey wheel attached to the GPR antenna. When an object is spotted, the antenna can be backed up until it is directly on top of the center of the object, and the location of the object can be marked directly onto the surface if required.

5. Findings

After scanning the areas discussed via e-mail, the layout of the conduits and utilities were interpreted and marked on the surface with colored marking paint. Multiple scans were performed parallel to the buildings and perpendicular to the buildings. Multiple utilities and conduits were found throughout the site and marked accordingly. Please see site photos on the following pages.



The photo above shows three lines located utilizing the 400MHz antenna and the RD7000. The water line and main electric run parallel to one another across the road.



The photo above shows a data line and a sewer line. The data line was approximately 3' subsurface while the sewer line was located at approximately 12' +/-.



The photo above shows multiple electric lines that were located utilizing the RD7000. These lines are marked in red marking paint. The gas line can be seen marked in yellow located at approximately 2'.



The photo above shows the same gas and electric lines as mentioned in the previous photo. The electrical lines were located going to the sign for the school. The gas line was located up to a valve on the shoulder of Gibbsboro road.



The photo above shows the gas meter on the side of the building. A green paint marking can be seen perpendicular to the building. This green paint indicated the approximate location of the roof drains at 6.5'



The photo above shows multiple locations where the live electric enters the building. The path of the roof drain/storm runs parallel to the fence.



The photo above shows where the roof drains that ran parallel to the building tie into the storm drain.



The photo above shows where the main electric and data enter the newer portion of the school building. The electric was located 3.5' subsurface while the data was approximately 2.75'.



The photo above shows where the above mentioned lines enter the newer portion of the school.



The photo above shows a conduit marked on the surface in red marking paint. This conduit was for the sight lighting located in the parking lot off of Gibbsboro Road.



The photo above shows the path the conduit takes for the site lighting located in the photo.



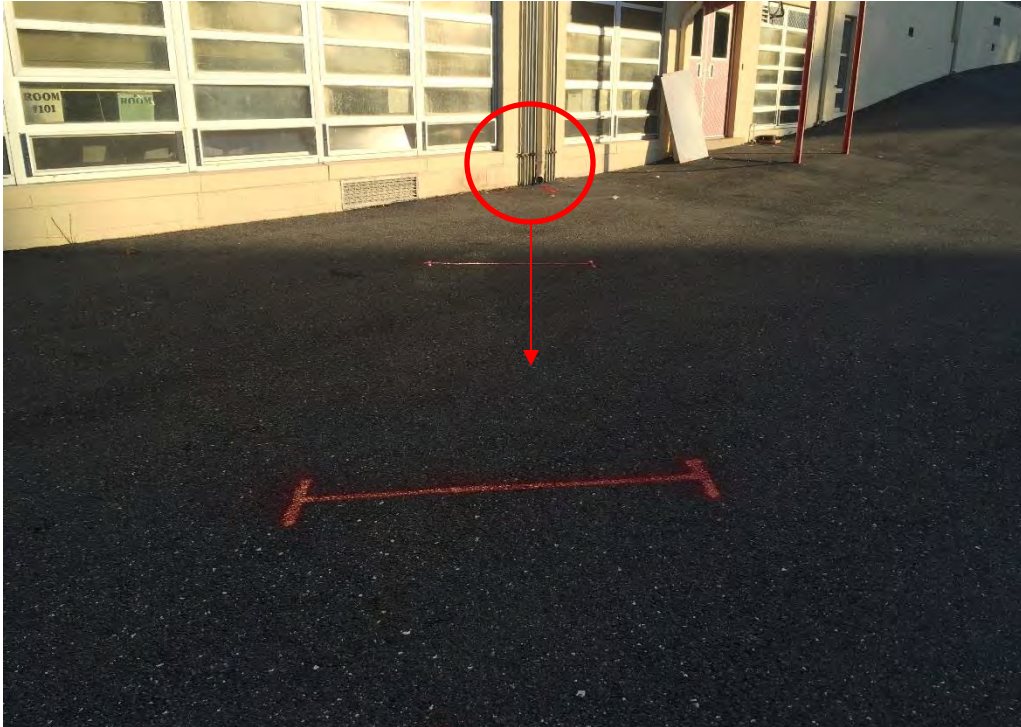
The photo above shows an area where multiple roof drains tie into the main trunk, the flow of the roof drains can be seen by the green arrow.



The photo above shows two culverts where the storm drain/roof drains empty into.



The photo above shows the path the storm drain follows. This drain runs through the playground and dumps out beyond the fencing.



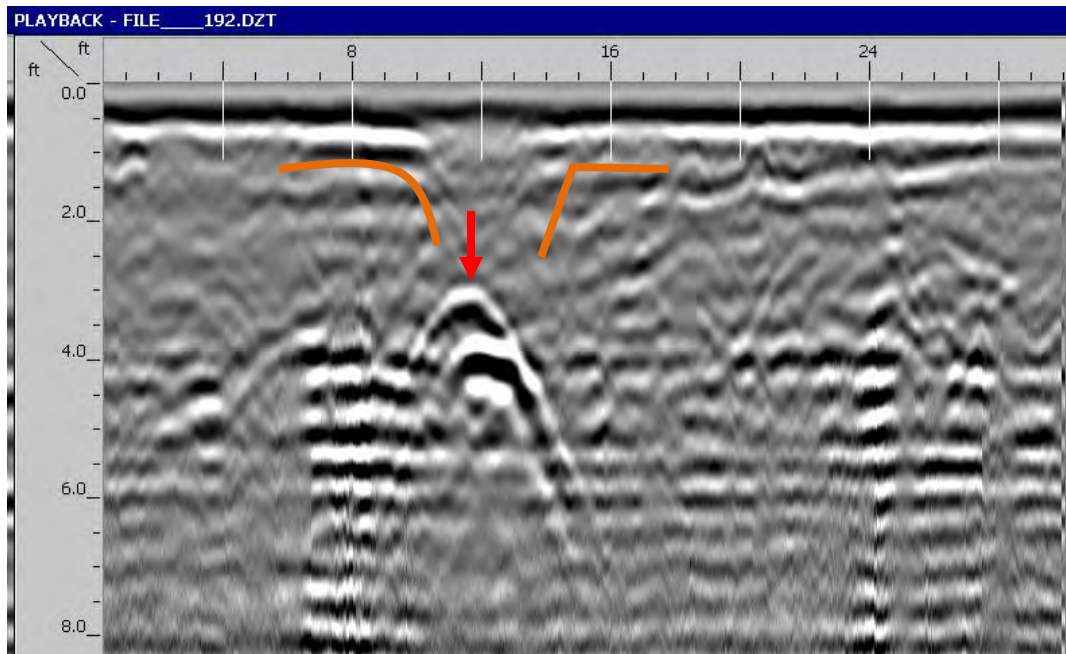
The photo above shows the path the conduits take from the outside of the school building towards the trailer located in the courtyard.



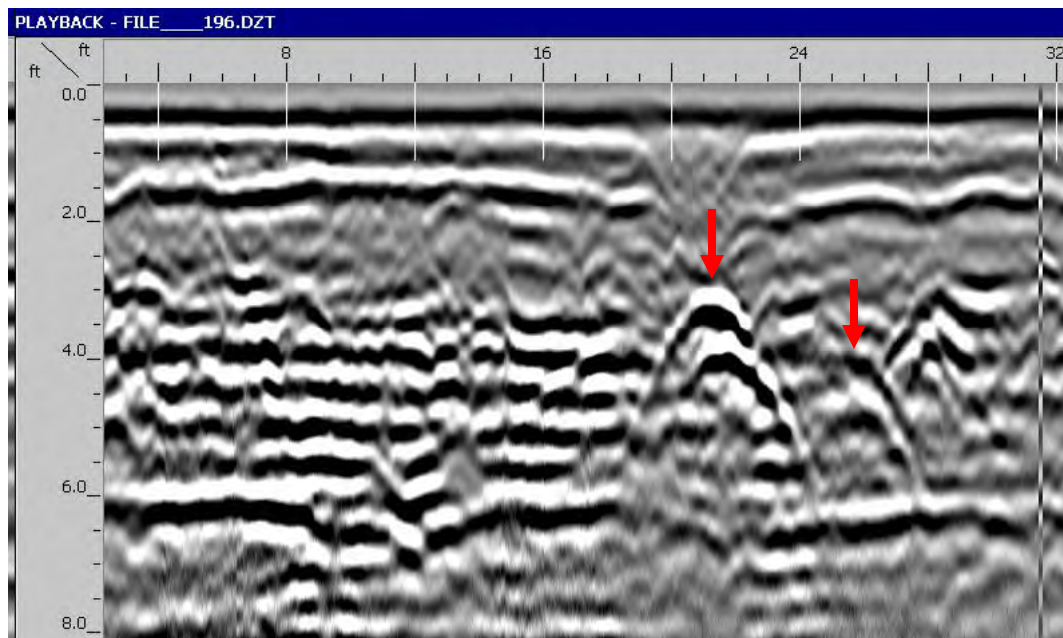
The photo above shows the path the above mentioned conduits take leading into the trailer. These lines were located at approximately 3.75' subsurface.

6. Radar Data

The following data was collected at the site and included for a better understanding of the GPR imaging that was done. You will see true data scans taken in real time at the site.



The screenshot of data above shows a line located at approximately 3' subsurface, which can be seen below the red arrow. Trench markings can be seen above the orange lines.



The screenshot of data above shows two lines that were located at approximately 3' and 4'. These lines can be seen below the red arrows.

7. Qualifications

Ground Penetrating Radar Systems, Inc. (GPRS) was started in October 2001, by Matt Aston. The original intention in starting this business was to give contractors a reliable way to “see” into the concrete slabs in order to avoid cutting embedded electrical conduits and critical reinforcing steel. While GPRS performs this work on a regular basis, there are many other applications in which we use Ground Penetrating Radar to benefit our customer base.

Since our inception, GPRS has grown from a small group of technicians operating from a single office in Toledo, Ohio, to be a nationwide organization with project managers located in almost every major city across the country. This is how our trained and experienced technicians are able to complete nearly 1,800 projects each month. We are very proud of our performance with a reported incident of error on less than one percent of the projects we have completed. Our customers have expressed a high level of satisfaction, as evidenced by the fact that in 2014, nearly 75% of our business was either repeat or referred by our customers. GPRS has been involved on projects ranging from small residential jobs to major construction projects with values in excess of \$1 Billion.

8. Closing

Thank you for the opportunity to serve you on this project. I hope this report has answered all the questions you had regarding this survey. However if there is anything you have questions about or feel was omitted, please do not hesitate to contact me.

Thank you,



Paul Kulesza

Project Manager of Philadelphia and the Tri-State Region

Ground Penetrating Radar Systems, Inc.

Philadelphia- 215.694.4747

New Jersey- 609.350.9651

Paul.Kulesza@GP-Radar.com

Lindenwold #4

Elementary School Utility Mapping

Legend

- Data
- Electric
- Gas
- Sanitary
- Storm Sewer
- Water



BUILDING RENOVATION - LINDENWOLD SCHOOL #4
REGAN YOUNG ENGLAND BUTERA, PC PROJECT #5743F, H & O

1 SECTION 002000 - FORM OF BID - AMENDED ADDENDUM #1

2
3 TO:
4 Kathleen Huder, Business Administrator/Board Secretary
5 LINDENWOLD BOARD OF EDUCATION
6 801 Egg Harbor Road
7 Lindenwold, New Jersey 08021
8

9
10 FROM:

11 _____ (NAME)

12 _____ (ADDRESS)

13 _____ (CITY, STATE, ZIP)

14 _____ (PHONE/FAX NUMBER)

15 _____ (E-MAIL ADDRESS)

16
17 Operating as an individual, a partnership, corporation, LLC, under the laws of the State of New
18 Jersey

19
20 _____
21 (Input Business Type)
22

23
24 BID FOR: RYEBREAD PROJECT NO. 5743F, H & O

25
26 BUILDING RENOVATION - LINDENWOLD SCHOOL #4
27 900 East Gibbsboro Road
28 Lindenwold, New Jersey 08021
29

30
31 This Bid is based on Specifications and Drawings dated 18 October 2024 and prepared by:

32
33 ARCHITECTURAL, MECHANICAL & ELECTRICAL
34 REGAN YOUNG ENGLAND BUTERA, PC
35 456 High Street
36 Mt. Holly, New Jersey 08060
37

BASE BID:

Pursuant to and in compliance with your request for Bids for the above named project and contract, and having familiarized themselves with the site conditions, and having become familiar with local conditions as they may, in any way, affect the cost and/or execution of the work, and having carefully examined the specifications and drawings named above, the Undersigned Bidder hereby agrees to provide all plant, labor, materials, supplies equipment, transportation and other facilities necessary and proper for, or incidental to, or required for complete and satisfactory execution of work. By submitting a Bid, the Bidder agrees to comply with all requirements of the Project Manual and applicable Law. For a one-time lump sum bid, which shall include the allowance(s) listed below:

14	<u>Base-Bid</u>	(\$ _____)
15	(written amount)	(numerical amount)
17	<u>Allowance No. 01 – Two hundred thousand dollars and no cents</u>	(\$ <u>200,000.00</u>)
18	(written amount)	(numerical amount)
20	<u>Total Base-Bid</u>	(\$ _____)
21	(written amount)	(numerical amount)

SCHEDULE OF ALLOWANCES:

Below, which include labor, materials, taxes, insurance, overhead, profit and other costs in connection therewith, shall be included in the Base Bid proposal for the quantities listed. Allowances listed shall include all incidental items required to render the allowance fully complete and operational whether specifically referenced or not. Any unused allowances shall be deducted from the contract value at the stated amount.

Contingency Allowance No. 01: Include in the Base Bid a contingency allowance amount of two hundred thousand dollars and zero cents (\$200,000.00) for additional work, as allowed by applicable law, and as directed by the Architect and approved by the Owner.

SCHEDULE OF ALTERNATE BIDS:

Below to be executed by the Undersigned Bidder in accordance with the Specifications and Drawings for the Addition (ADD), to the Base Bid as follows.

All costs listed for each alternate shall include costs of related coordination, revision, or adjustment.

Bidders shall complete the schedule for each Alternate Bid. Bidders shall be required to bid on all alternates listed under their contract Alternate Bids.

Note: Owner may elect to select from any listed Alternate in accordance with applicable law.

1 **ALTERNATE BID NO. 0.5 – ROOFING SYSTEM REMOVAL AND REPLACEMENT –**
2 Removal and replacement of the existing roofing system as shown on the drawings and as specified.
3 For a lump sum total of:

4
5 (ADD)

6
7
8 _____ (\$ _____)
9 (written amount) (numerical amount)

10
11
12 **ALTERNATE BID NO. 01 – FIRE ALARM SYSTEM –** Removal and replacement of the
13 existing fire alarm system with a complete, new turn-key fire alarm system as shown on the
14 drawings and as specified. For a lump sum total of:

15
16 (ADD)

17
18
19 _____ (\$ _____)
20 (written amount) (numerical amount)

21
22
23 **ALTERNATE BID NO. 02 – ENGINE GENERATOR:** Engine generator as shown on the
24 drawings and as specified. For a lump sum total of:

25
26 (ADD)

27
28
29 _____ (\$ _____)
30 (written amount) (numerical amount)

31
32
33 **ALTERNATE BID NO. 03 – LIGHTING FIXTURE REPLACEMENT:** Remove and replace
34 selected classroom and other lighting with new light fixtures as shown on the drawings and as
35 specified.

36
37 *NOTE: All other existing lighting being reinstalled in new acoustical ceiling grid and panels are*
38 *part of the Base-Bid. All new lighting shown in the corridors are part of the Base-Bid. For a lump*
39 *sum total of:*

40
41 (ADD)

42
43
44 _____ (\$ _____)
45 (written amount) (numerical amount)

1 **ALTERNATE BID NO. 04 – MANUFACTURED PLASTIC-LAMINATED CASEWORK:**
2 Remove and replace all existing casework and existing cubbies as shown on the drawings. Work
3 includes new solid-surfacing countertops and plumbing modifications as shown on the drawings.
4

5 NOTE: All metal shelving on exterior walls adjacent to new unit ventilators, and as shown on the
6 drawings, are part of the Base-Bid. For a lump sum total of:

7
8 (ADD)
9

10
11 _____ (\$ _____)
12 (written amount) (numerical amount)
13

14 **ALTERNATE BID NO. 05 – ASBESTOS FLOOR TILE ABATEMENT, REPLACEMENT**
15 **OF LVT & RESILIENT TERRAZZO FLOORING:** Asbestos abatement/removal of existing
16 flooring systems and replacement with new LVT and resilient terrazzo tile flooring system and wall
17 base as shown on the drawings and as specified. Work includes all required floor slab preparation
18 to received new flooring system. For a lump sum total of:

19
20 (ADD)
21

22
23 _____ (\$ _____)
24 (written amount) (numerical amount)
25

26 **ALTERNATE BID NO. 06 – MAINTENANCE REPAINTING OF ALL CLASSROOMS**
27 **AND CORRIDORS:** Prepare all existing surfaces to receive minimum two (2) coats of new
28 primer, finish paint as shown on the drawings and Room Finish Schedule. Work included all
29 hollow metal and door frames on all sides and all hard-ceiling ceilings and soffits. For a lump sum
30 total of:

31
32 (ADD)
33

34
35 _____ (\$ _____)
36 (written amount) (numerical amount)
37

38
39 **SCHEDULE OF UNIT PRICES:**
40

41 Unit Prices will not be a basis for selection of lowest responsible Bid.
42

43 Below, which include labor, materials, goods, and equipment required under the Contract,
44 insurance, overhead, profit and other costs in connection therewith, shall prevail for changes in
45 quantity of work when modification to Contract is made by Change Order. Unit prices may be
46 either deducted from or added to the contract value at the stated amount Unit Prices listed shall
47 include all incidental items required to render the Unit Price fully complete and operational whether

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1 specifically referenced or not. Unused Unit Price totals included in the Base Bid shall be deducted
2 from the contracted amount at the end of the Project.

3
4 All Prime Bidders shall complete the schedule for each Unit Price. If a Unit Price does not pertain
5 to a particular trade or if there is no cost associated with the Unit Price, input "No Dollar Change"
6 in that space. If the space is left blank, it will be construed to mean there is no cost associated to
7 that Unit Price for that particular trade. Prime Bidders shall be required to bid on all Unit Prices
8 listed under their contract Alternate Bids.

9
10 Bidders shall note that the unit prices are for work in addition to that contained on the plans and
11 included in the Base Bid and can be added to or subtracted from at the discretion of the Architect.

12
13
14 **Unit Price – UP-1: METAL ROOF DECK REMOVAL & REPLACEMENT:** Remove and
15 replace deteriorated or structurally deficient metal roof decking as directed by the Architect. This
16 unit price shall apply only when the removal and infilling of roofing system exceeds or is less than
17 the 200 square feet that is included in the Base Bid.

18 Qty Unit	19 Cost/Unit	20 Total
21 Per 1 SF	\$ _____	\$ _____

22
23
24 **Unit Price – UP-2: LIGHTWEIGHT CONCRETE DECK REMOVAL & REPLACEMENT:**
25 Remove and replace deteriorated or structurally deficient lightweight concrete roof decking as
26 directed by the Architect. This unit price shall apply only when the removal and infilling of roofing
27 system exceeds or is less than the 200 square feet that is included in the Base Bid.

28 Qty Unit	29 Cost/Unit	30 Total
31 Per 1 SF	\$ _____	\$ _____

32
33
34 **HOLD HARMLESS AGREEMENT:** By submitting and executing a bid, the Bidder, if operating
35 as an individual, a partnership, corporation, LLC, under the laws of the State of New Jersey, agrees
36 to indemnify and hold harmless the Owner, Architect, and their agents and employees, from all and
37 against all claims, damages, losses, and expenses, including reasonable attorney's fees in case it
38 shall be necessary to file an action, arising out of bodily injury, illness or death, or for property
39 damage, by the Contractor negligent, reckless or intentional acts or omission or that of a
40 Subcontractor, or that of anyone employed by them or for whose acts contractor or subcontractor
41 may be liable. This indemnification and agreement shall apply in all instances whether Owner,
42 Architect is made a party to the action by third-party in-pleading or is made party to a collateral
43 action arising, in whole or in part, from any of the issues emanating from the original cause of
44 action or claim.

45
46 **TIME OF COMPLETION:** The Undersigned Bidder agrees to complete the work as indicated in
47 the Advertisement, (Bidder is referred to AIA GENERAL CONDITIONS, Par. 8.1).

1 ATTACHED TO THIS BID are **TWO** copies (One original hard copy and one copy) of all the
2 following documents (Fill in all blank spaces). Failure to comply may be cause for rejection
3 of bid.
4

5 **DOCUMENTS ACCOMPANYING BID:**
6

7 Failure to provide all below listed documents may be cause for disqualification of bidder
8 and/or rejection of bid. Documents referenced as “Mandatory Documents” must be
9 provided.
10

11 Bidder may elect to provide all required documents with the bid submission.
12

13 **DOCUMENTS TO BE PROVIDED WITH THE BID:**
14

15 **Bidder’s Checklist: Bidder should submit the following documents IN THE ORDER**
16 **LISTED BELOW and place an “X” in the box next to each item provided.**
17

18 In bid envelope:
19

- 20 1. Form of Bid. **(Mandatory Document)**
21
22 2. New Jersey DPMC Notice of Contractor Classification, in accordance with
23 N.J.S.A. 18A:18A-26 et seq. and N.J.S.A 18A:18A-32. **(Mandatory Document)**
24
25 3. New Jersey DPMC Total Amount of Uncompleted Contracts (DPMC Form 701),
26 in accordance with N.J.S.A. 18A:18A-26 et seq. and N.J.S.A 18A:18A-32.
27 **(Mandatory Document)**
28
29 4. Public Works Contractor Registration Certificate from the New Jersey Department
30 of Labor in accordance with the “Public Works Contractor Registration Act”, in
31 accordance with N.J.S.A. 34:11-56.48 et seq. **(Mandatory Document)**
32
33 5. Bid Guarantee in the form of a Bid Bond, certified check, or cashier's check in the
34 amount of 10% of the Base Bid, but in any event not more than \$20,000.00. The
35 Bid Security must be in a form consistent with the statutory requirements of the
36 State of New Jersey, in accordance with N.J.S.A. 18A:18A-24. **(Mandatory**
37 **Document)**
38
39 6. Consent of Surety: Section 002800, or similar in accordance with N.J.S.A.
40 18A:18A-25. **(Mandatory Document)**
41
42 7. Surety Company & Agency Information: Section 002801.
43
44 8. Ownership Disclosure Statement: Section 002900, in accordance with N.J.S.A
45 52:25-24.2. **(Mandatory Document)**

BUILDING RENOVATION - LINDENWOLD SCHOOL #4
REGAN YOUNG ENGLAND BUTERA, PC PROJECT #5743F, H &O

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- 9. Equipment Certification: Section 002905: In accordance with N.J.S.A. 18A:18A-23.
- 10. Non-Collusion Affidavit: Section 002950.
- 11. No Material Change of Circumstances: Section 002960, in accordance with N.J.S.A. 18A:18A-26 et seq. and N.J.S.A 18A:18A-32. **(Mandatory Document)**
- 12. Contractor’s Sworn Contractor Certification. Section 004580; and
 - A. Contractor or trade license. **(Mandatory Document)**. (Not applicable for General Contractor).
 - B. “Certificate of Authority” issued by the Department of Treasury. **(Mandatory Document)**
- 13. Notice of Prequalification from the New Jersey School Development Authority. **(Mandatory Document)**
- 14. List of Subcontractors: Section 005290, in accordance with N.J.S.A.18A:18A-18. **(Mandatory Document)**

For each Subcontractor listed, attached a copy of:

- A. New Jersey DPMC Notice of Contractor Classification, in accordance with N.J.S.A. 18A:18A-26 et seq. and N.J.S.A 18A:18A-32. **(Mandatory Document)**
- B. New Jersey DPMC Total Amount of Uncompleted Contracts (DPMC Form 701), in accordance with N.J.S.A. 18A:18A-26 et seq. and N.J.S.A 18A:18A-32. **(Mandatory Document)**
- C. Public Works Contractor Registration Certificate from the New Jersey Department of Labor in accordance with the “Public Works Contractor Registration Act”, in accordance with N.J.S.A. 34:11-56.48 et seq. **(Mandatory Document)**
- D. Contractor’s Sworn Contractor Certification. Section 004580; and
 - 1. Contractor or trade license. **(Mandatory Document)**. (Not applicable for General Contractor or Structural Steel).
 - 2. “Certificate of Authority” issued by the Department of Treasury. **(Mandatory Document)**
- E. Evidence of listed trade Subcontractor’s performance security. (Required only if Bidders Bid Bond does not cover Bidders subcontractors.) (Attach to Bidder’s Bid Bond).

- 1 F. Notice of Prequalification from the New Jersey School Development
2 Authority. **(Mandatory Document)**
3

4 **DOCUMENTS TO BE PROVIDED PRIOR TO THE NOTICE OF AWARD:**

5
6 Documents referenced as "Mandatory Documents" must be submitted prior to the Award of the
7 Contract.
8
9

- 10 15. Business Registration of Public Contractors from the New Jersey Division of
11 Taxation in accordance with N.J.S.A. 52:32-44. **(Mandatory Document)**
12
13 16. Form of certification stating that bidder is not currently debarred, suspended, or
14 disqualified under N.J.A.C. section 19:32-1.8. Section 002970. **(Mandatory**
15 **Document)**
16 17. Political Contribution Disclosure Form: Section 004590, in accordance with
17 N.J.S.A. 19:44A-20.26. **(Mandatory Document)**
18
19 18. Prevailing Wage Rates Certification: Section 004595, in accordance with P.L.
20 2021, c.301; A4869 and S2414.
21
22 19. Lowest Bidder Prevailing Wage Certification (if required pursuant to N.J.S.A
23 34:11-56.27a): Section 004596.
24 20. Federal Debarment Certification: Form of certification stating that bidder is not
25 currently debarred, suspended, or disqualified in accordance with N.J.S.A. 52:32-
26 44.1. Section 002971. **(Mandatory Document)**
27
28
29
30

1 **DOCUMENTS TO BE PROVIDED AFTER THE NOTICE OF AWARD AND PRIOR TO**
2 **THE EXECUTION OF THE CONTRACT:**
3

- 4 21. Affirmative Action Evidence for Construction Projects & Mandatory Equal
5 Opportunity Language: Section 002850, in accordance with N.J.S.A 10:5-32 et
6 seq. and N.J.A.C. 17:27-3.1 and N.J.A.C. 17:27-6.2. **(Mandatory Document).**
7
- 8 22. Exhibit E-2 - Form of Contractor Certification & Consent: Section 009000, in
9 accordance with the NJSDA Grant Agreement. **(Mandatory Document).**
10

11
12 IF AWARDED CONTRACT, the Undersigned Bidder agrees to execute the AGREEMENT and
13 to furnish the required Performance and Payment Bonds and evidence of required insurance as soon
14 as practicable after Notice of Acceptance of bid or in any event not later than 10 calendar days after
15 receipt of such notification.
16

17 If the Undersigned Bidder fails to execute AGREEMENT and furnish required bond and evidence
18 of insurance, the Bid Security accompanying this Bid will be forfeited to the Owner as liquidated
19 damages for the delay and loss caused to the Owner by reason of such failure by the Undersigned
20 Bidder.
21

22 THE UNDERSIGNED BIDDER HAS COMPLIED with all requirements concerning licensing
23 and with all Local, State and Federal laws. No legal requirement has been violated in making this
24 Bid nor will be violated in the execution of the Work if this Bid is accepted.
25

26 In addition, the undersigned hereby certifies that there has been no material adverse change in the
27 qualification information last submitted to the New Jersey Department of Treasury pursuant to
28 N.J.S.A. 18A:18A-28.
29

30 IT IS UNDERSTOOD that the right is reserved by the Owner to reject all bids in accordance with
31 N.J.S.A. 18A:18A-22, or any bid that is non-responsive or submitted by a bidder that is not
32 responsible, and to waive any minor immaterial informality or defect in a bid as permitted by law.
33

34
35 **AWARD OF CONTRACT(S)**
36

37 A Contract shall be awarded for all of the work and materials required to complete the project,
38 unless all bids are rejected, to the lowest responsible bidder based on the total amount of the Base
39 Bid and Alternates (if any), accepted by the Owner.
40

41
42 IT IS AGREED THAT THIS BID MAY NOT BE WITHDRAWN for a period of 60 days after the
43 actual date of receipt of bids.
44
45

BUILDING RENOVATION - LINDENWOLD SCHOOL #4
REGAN YOUNG ENGLAND BUTERA, PC PROJECT #5743F, H &O

1 ACKNOWLEDGEMENT OF ADDENDA

2

3 In accordance with N.J.S.A. 18A:18A-21(c) and (d), notification of and the receipt of the following
4 addenda is acknowledged by the Undersigned bidder (List by Addendum number and Addendum
5 date):

6

<u>ADDENDUM NO.</u>	<u>DATED</u>	<u>ADDENDUM NO.</u>	<u>DATED</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

7

8 Check box on of no addenda were received.

9

10

11 Respectfully submitted this _____ day of _____ 20_____.

12

13 _____(Name of Firm)

14

15

16

By: _____ L.S.

17

Print

18

*(SEAL IF BIDDER
19 IS A CORPORATION)

20

Signature

21

22

23

Title

24

25

26

Federal Employment Identification Number (FEIN)

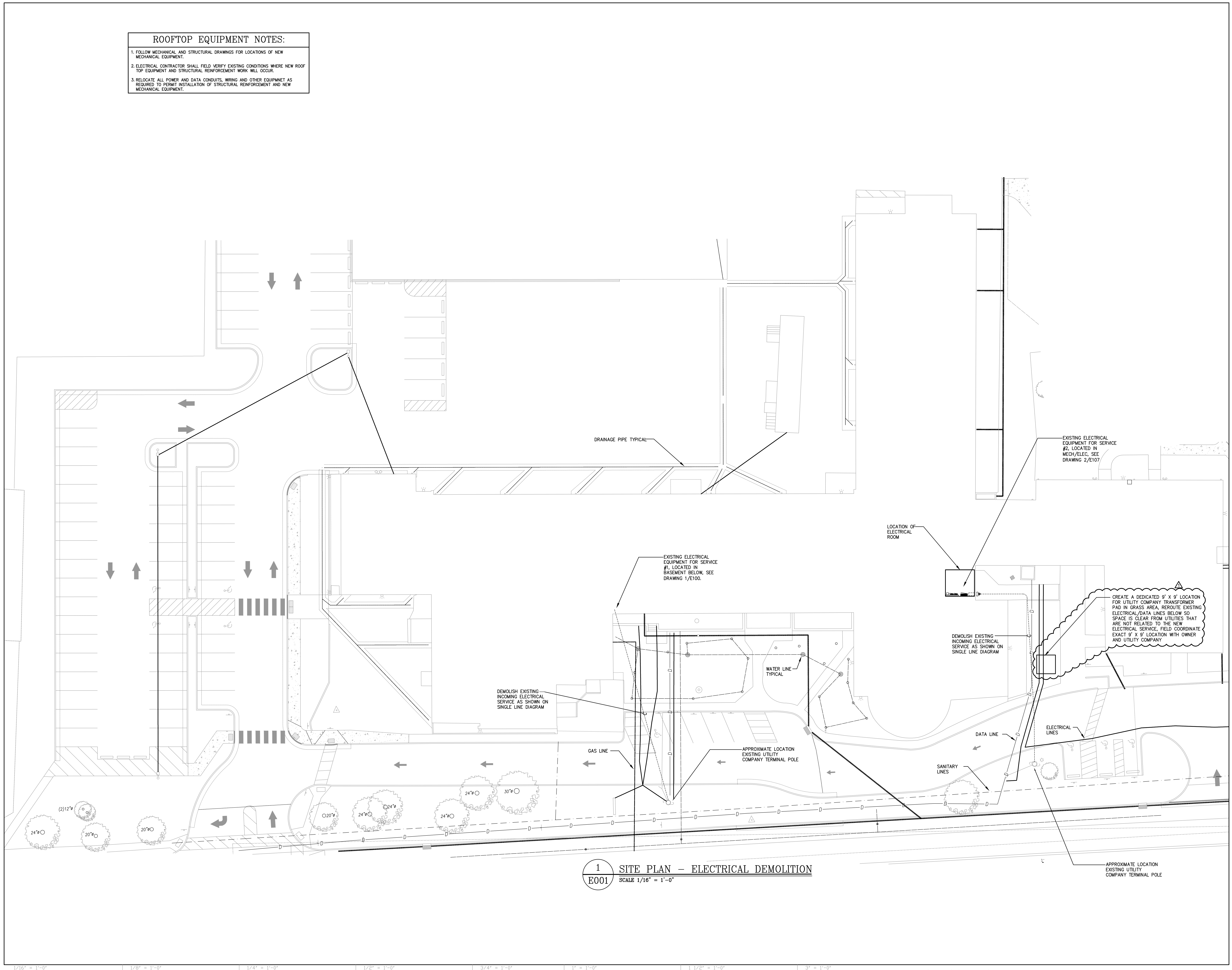
27

28

END OF SECTION 002000

ROOFTOP EQUIPMENT NOTES:

1. FOLLOW MECHANICAL AND STRUCTURAL DRAWINGS FOR LOCATIONS OF NEW MECHANICAL EQUIPMENT.
2. ELECTRICAL CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS WHERE NEW ROOF TOP EQUIPMENT AND STRUCTURAL REINFORCEMENT WORK WILL OCCUR.
3. RELOCATE ALL POWER AND DATA CONDUITS, WIRING AND OTHER EQUIPMENT AS REQUIRED TO PERMIT INSTALLATION OF STRUCTURAL REINFORCEMENT AND NEW MECHANICAL EQUIPMENT.



1 SITE PLAN - ELECTRICAL DEMOLITION
 E001 SCALE 1/16" = 1'-0"

Blank space for notes or stamps.

KELTER & GILLO
 ARCHITECTS
 775, 800, 872, 158 PRINCETON UNIVERSITY BLVD
 PRINCETON, NJ 08540
 TEL: 609-771-1580 FAX: 609-771-1581
 www.kgarchitects.com

Frank Tindall, P.E.
 PROFESSIONAL ENGINEER
 NJ 3666

REGAN YOUNG ENGLAND BUTERA
 ELECTRICAL ENGINEERING ARCHITECTS INC. DESIGN
 408 HIGH STREET - 4TH FLOOR NEW JERSEY 08610 USA
 +1800906-2650/908FAX: +1408912100 - +1800906-2650
 www.reyebus.com

REGAN YOUNG, AIA
 21400912100

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
**BUILDING RENOVATION
 LINDENWOLD SCHOOL #4**

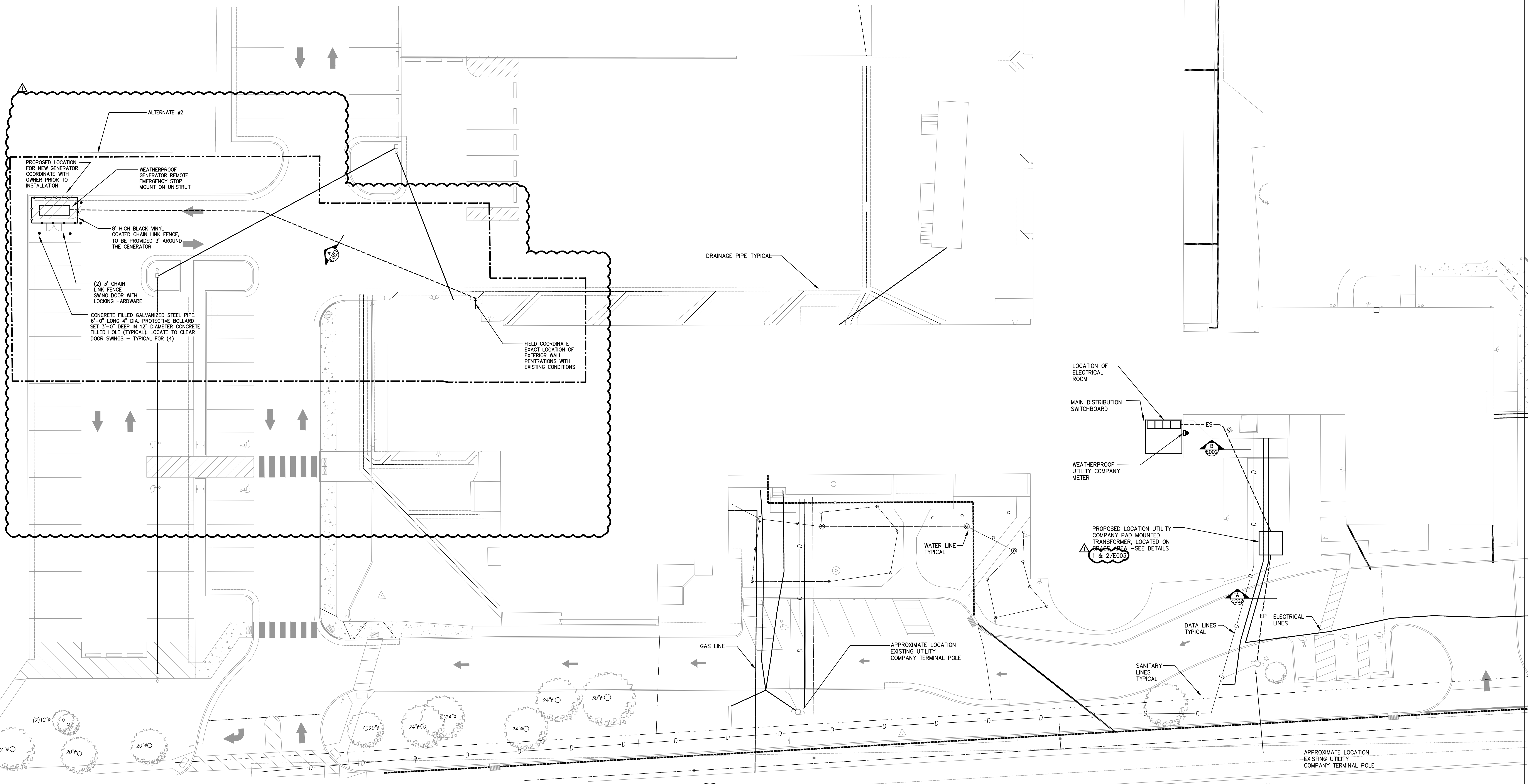
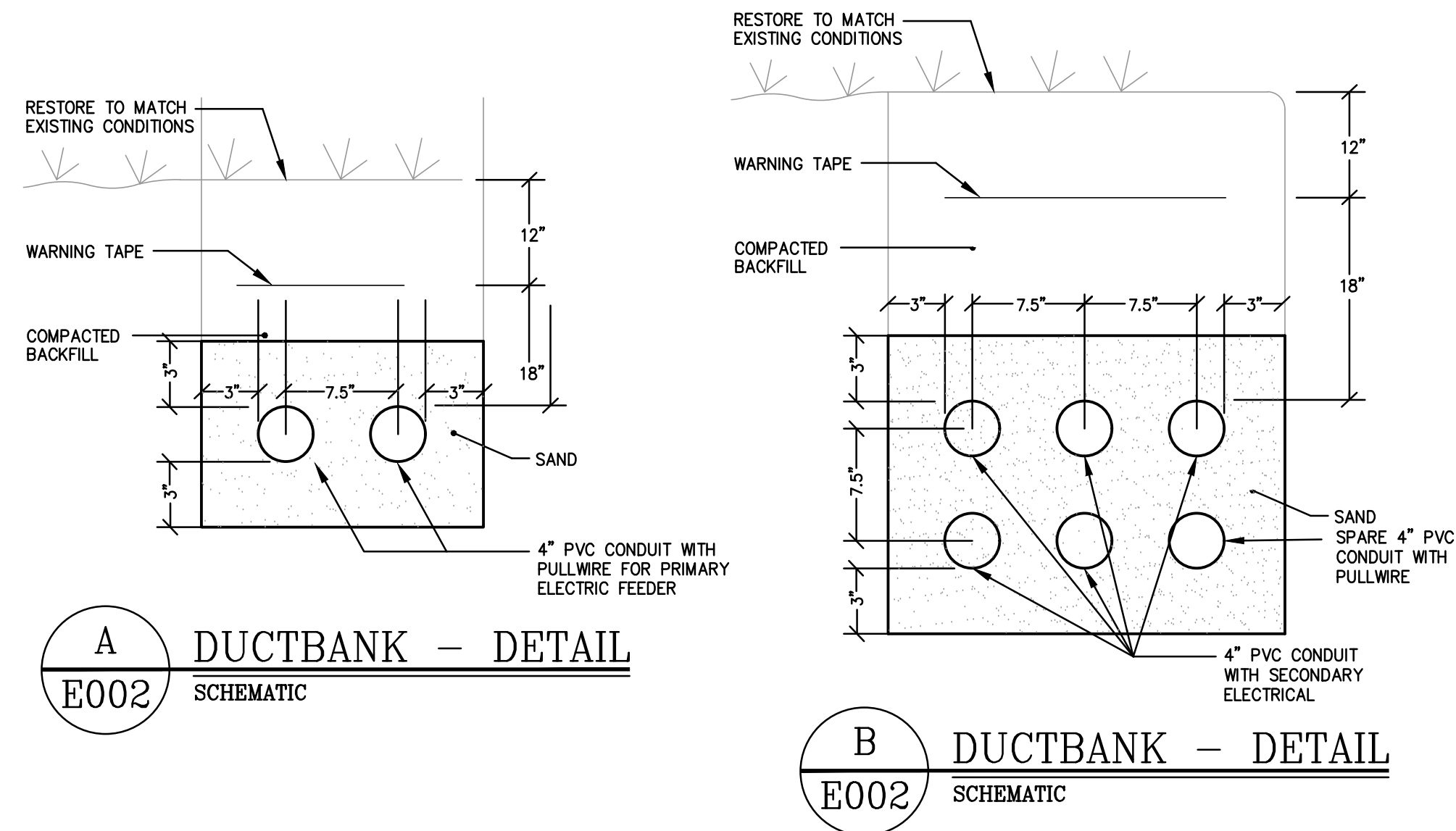
ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
 REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
 PRINT DATE: **18 OCT 2024**
 DRAWN BY: **LA**
 SHEET TITLE: **SITE PLAN- ELECTRICAL
 DEMOLITION**

E-001



1 SITE PLAN - ELECTRICAL
E002 SCALE 1/16" = 1'-0"

- NOTES:
1. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXISTING UNDERGROUND UTILITIES. ALL UTILITIES SHALL BE MARKED OUT AS REQUIRED BY NJUA, CALL BEFORE YOU DIG.
 2. APPROXIMATE LOCATIONS OF KNOWN UTILITIES ARE INDICATED ON THE DRAWING.
 3. ALL EXTERIOR TRENCHING SHALL BE FENCED OFF.

KELTER & GILLO
REGISTERED PROFESSIONAL ENGINEER
175 BOB BLY 158 BRANCOLOMBO HIGHWAY
PRINCETON JUNCTION, NEW JERSEY 08550

Frank Tindall, P.E.
REGISTERED PROFESSIONAL ENGINEER
NJ 36868

REGAN YOUNG ENGLAND BUTERA
REGISTERED PROFESSIONAL ARCHITECT/ENGINEER
458 HIGH STREET - 4TH FLOOR NEW JERSEY 08610 USA
+1800958-2652/3035/FAX: +1408912100 - INFO@REGAN.COM

REGAN YOUNG, AIA
214408912100

NJDOE PROJECT NUMBERS
HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
HVAC- G5-6677
ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

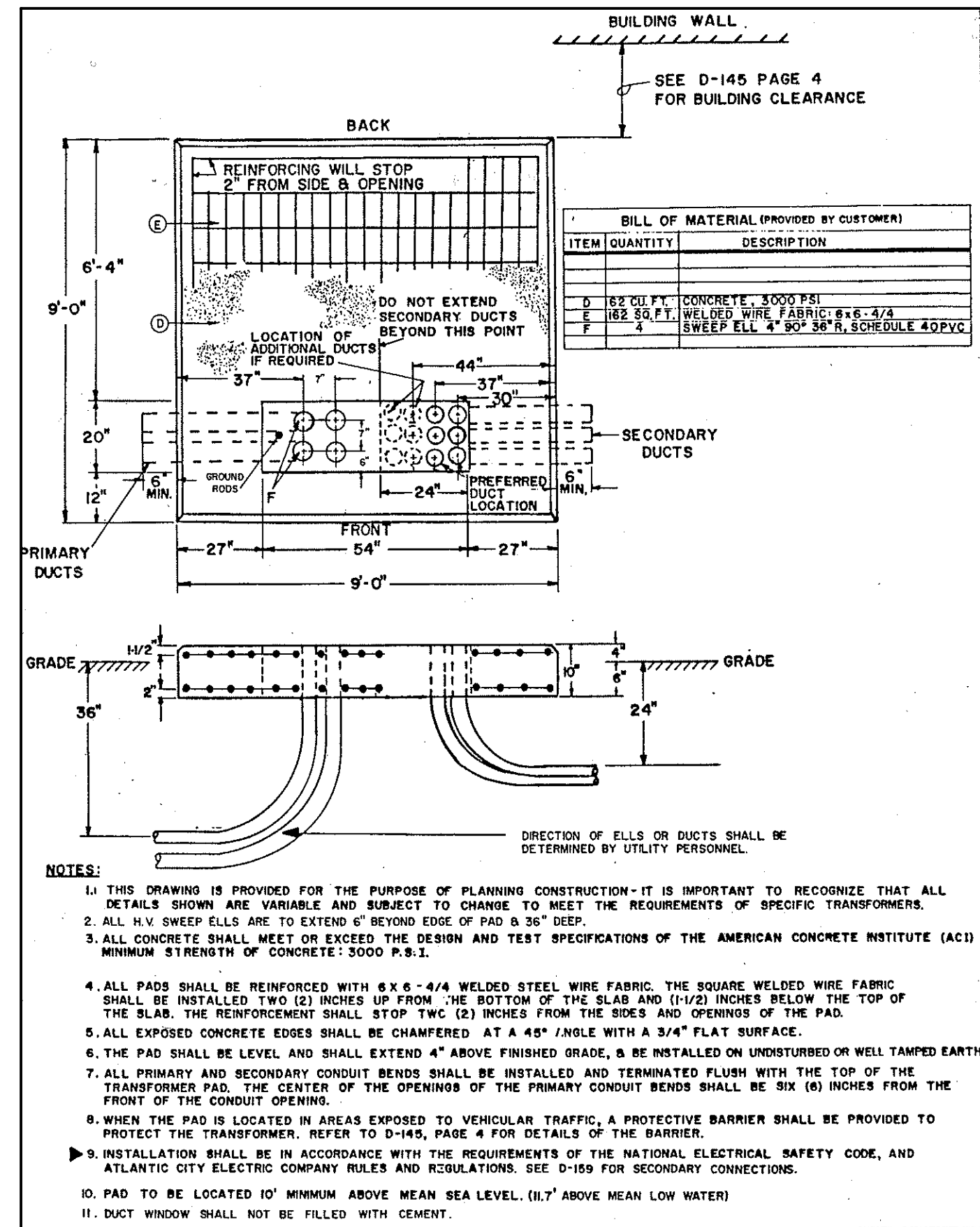
ADDRESS:
**LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

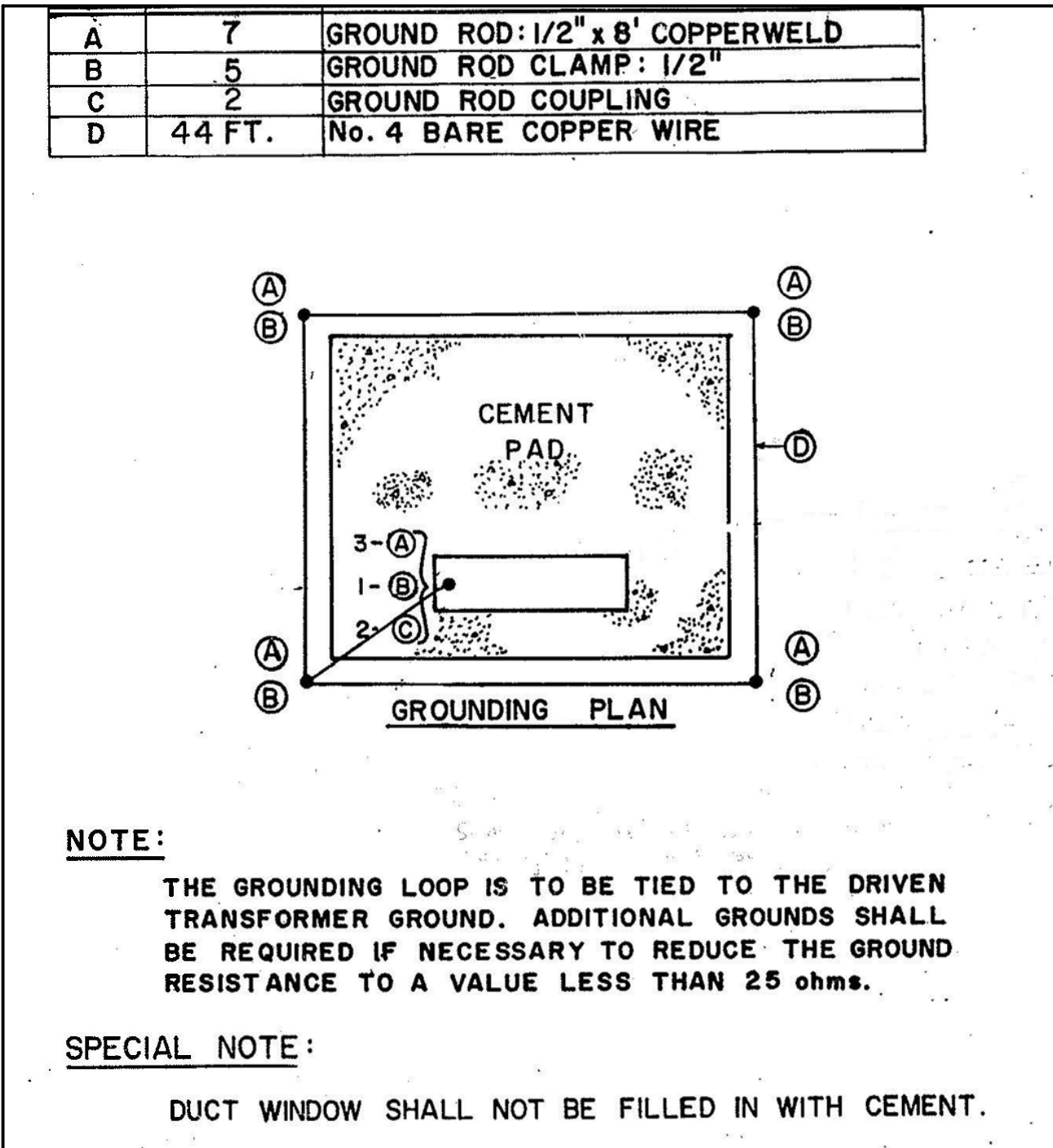
SUBMISSION DATE:
REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
PRINT DATE: **18 OCT 2024**
DRAWN BY: **LA**
SHEET TITLE: **SITE PLAN- ELECTRICAL**

E-002

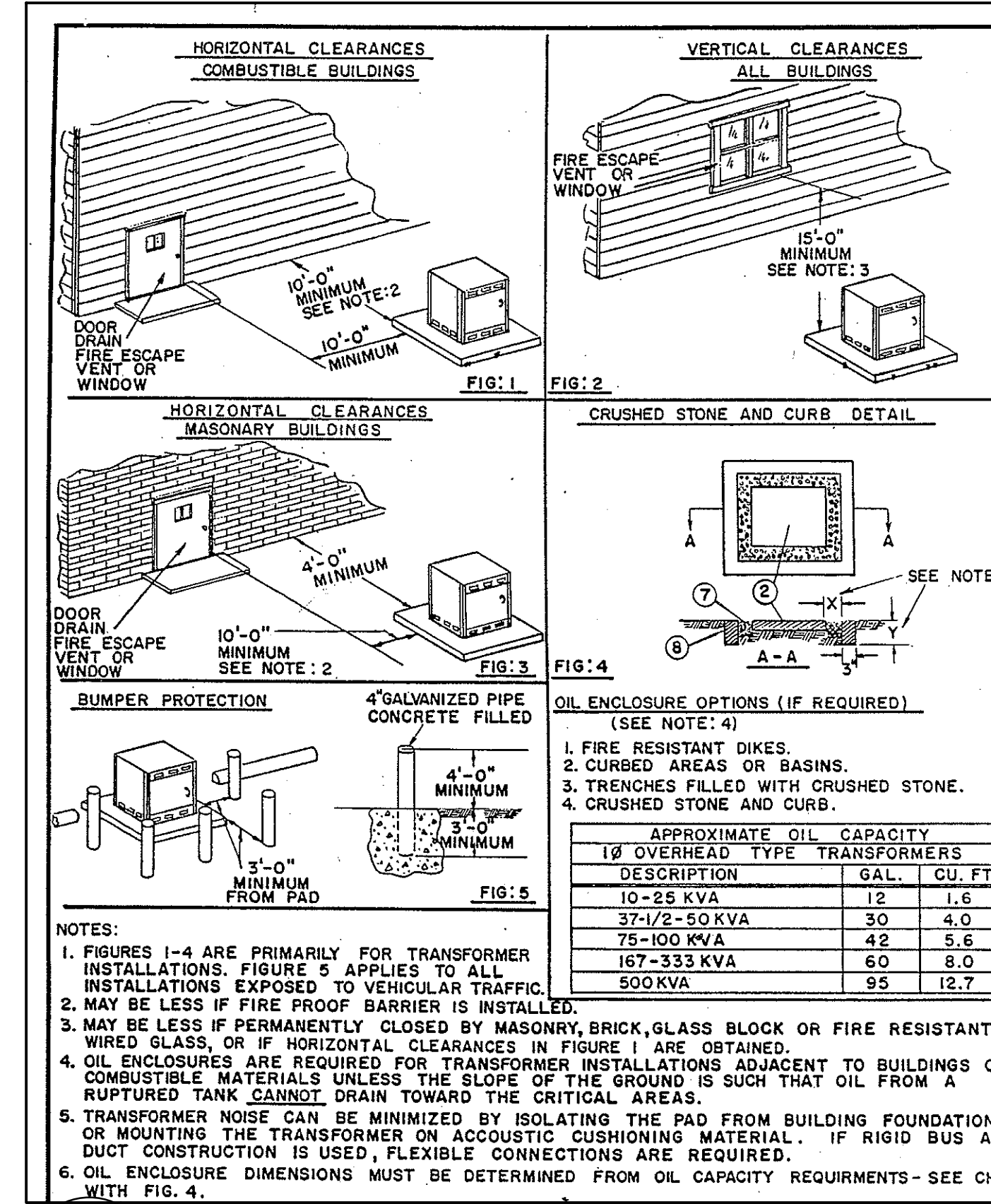


1 TRANSFORMER PAD DETAIL
E003 NOT TO SCALE

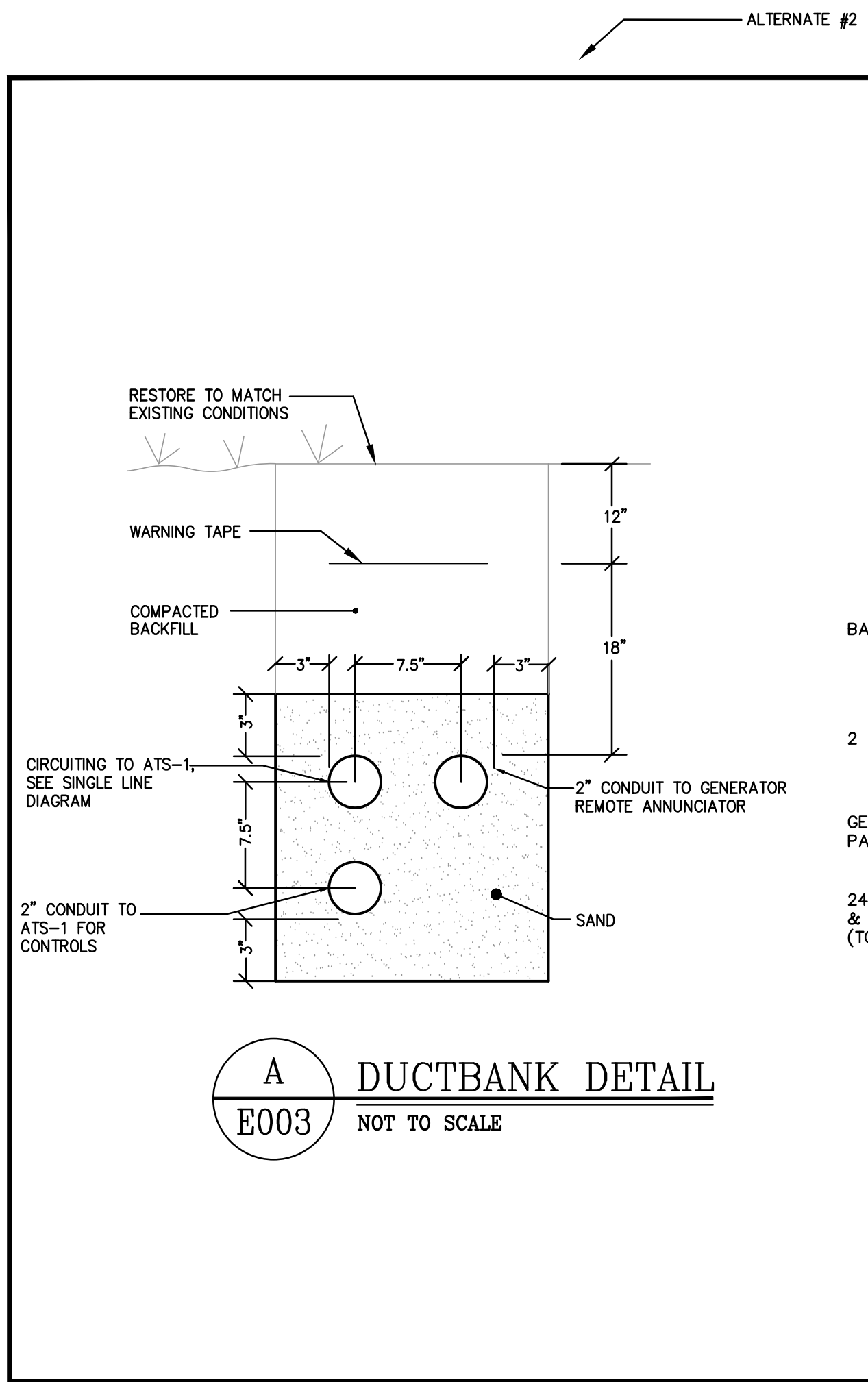


NOTE:
THE GROUNDING LOOP IS TO BE TIED TO THE DRIVEN TRANSFORMER GROUND. ADDITIONAL GROUNDS SHALL BE REQUIRED IF NECESSARY TO REDUCE THE GROUND RESISTANCE TO A VALUE LESS THAN 25 ohms.

SPECIAL NOTE:
DUCT WINDOW SHALL NOT BE FILLED IN WITH CEMENT.

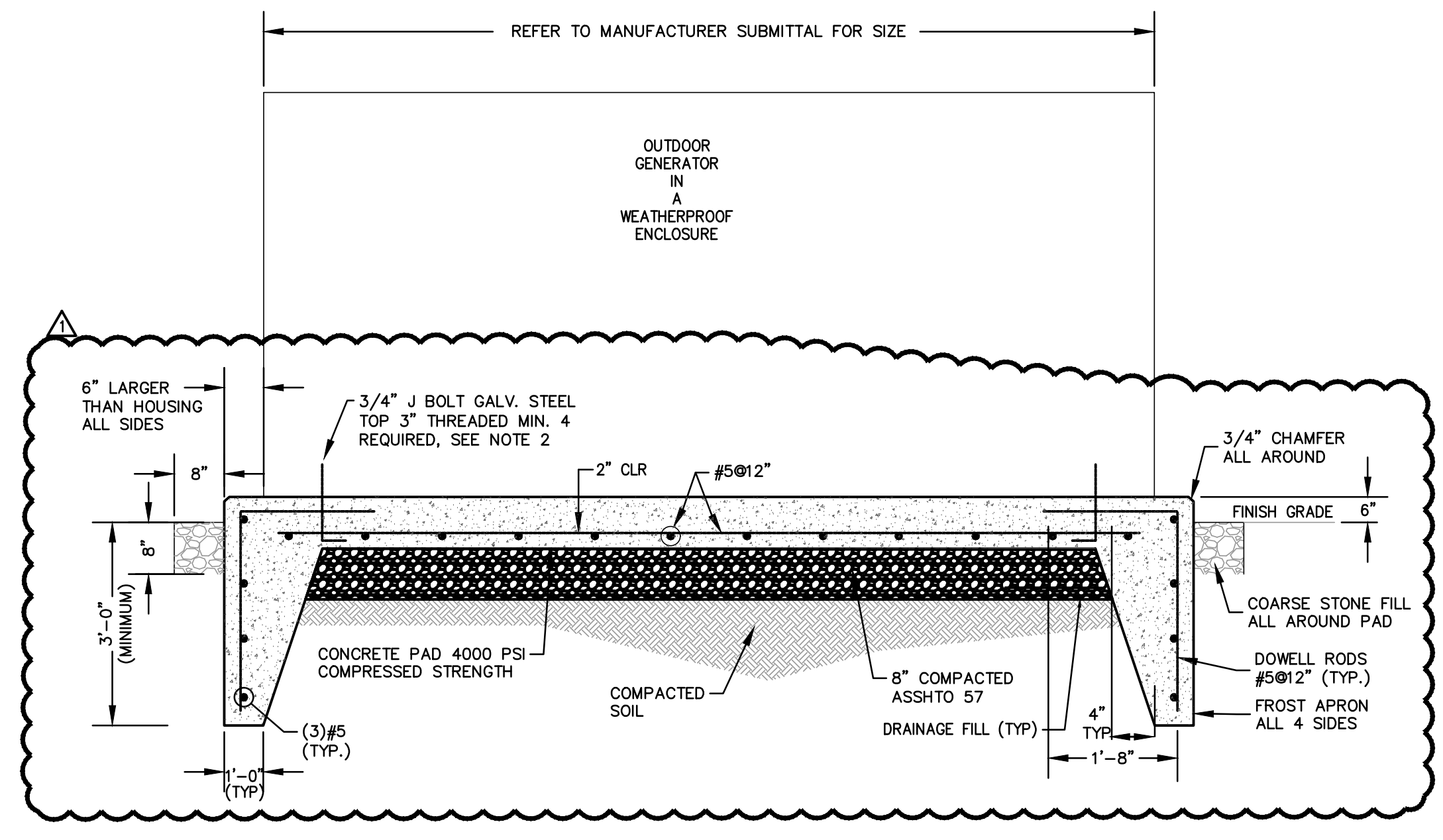


2 UTILITY COMPANY TRANSFORMER -
E003 MINIMUM DISTANCE FROM BUILDING AND BUMPER PROTECTION - DETAILS
NOT TO SCALE



A DUCTBANK DETAIL
E003 NOT TO SCALE

3 GENERATOR CONNECTION
E003 DETAIL
NOT TO SCALE



4 GENERATOR ARRANGEMENT ON GRADE
E003 NOT TO SCALE

NOTES:
1. PAD SIZE SHALL BE BASED ON DIMENSIONS OF FINAL APPROVED GENERATOR/HOUSING.
2. COORDINATE THE EXACT LOCATIONS AND TYPE OF ANCHORING WITH MANUFACTURER'S WRITTEN INSTRUCTION, AND PROVIDE AS SPECIFIED.

KELTER & GILLO
REGISTERED PROFESSIONAL ENGINEER
NJ REG. NO. 36868
700 770 108 PRINCIPALS OFFICE
PRINCIPALS OFFICE
PRINCIPALS OFFICE
NEW JERSEY 08550

REGAN YOUNG ENGLAND BUTERA
REGISTERED PROFESSIONAL ENGINEER
NJ REG. NO. 32100
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+1800958-2626/2024FAX: +1408921-1000 - RFB@REGAD.COM

REGAN YOUNG, AIA
REGISTERED ARCHITECT
NJ REG. NO. 2140092100

NJDOE PROJECT NUMBERS
HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
HVAC- G5-6677
ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION
LINDENWOLD SCHOOL #4

ADDRESS:
LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021

PROJECT NO.: 5743F, H, O

SUBMISSION DATE:

REVISION DATE: 18 FEB 2025

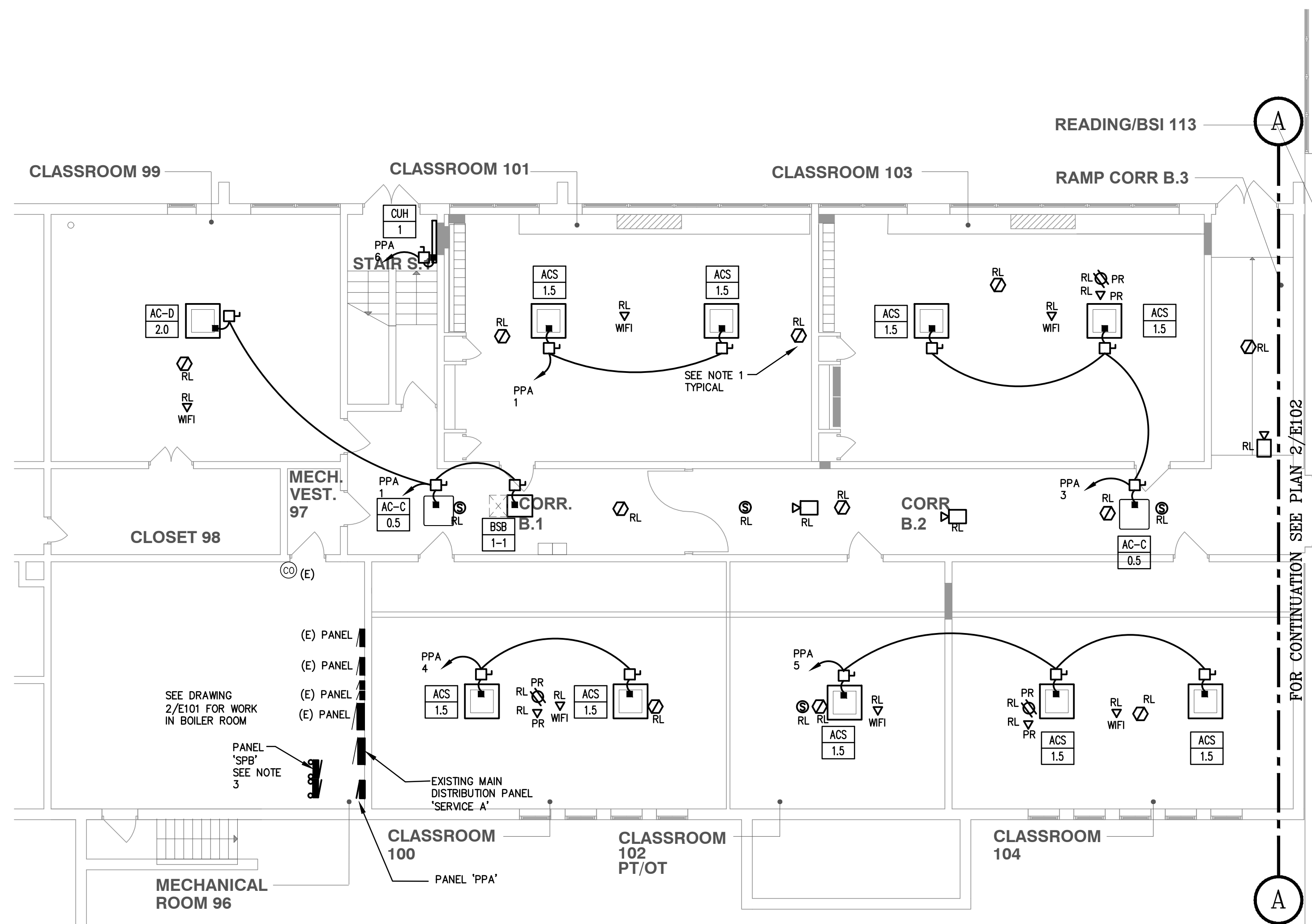
DRAWING DATE: 18 OCT 2024

PRINT DATE: 18 OCT 2024

DRAWN BY: LA

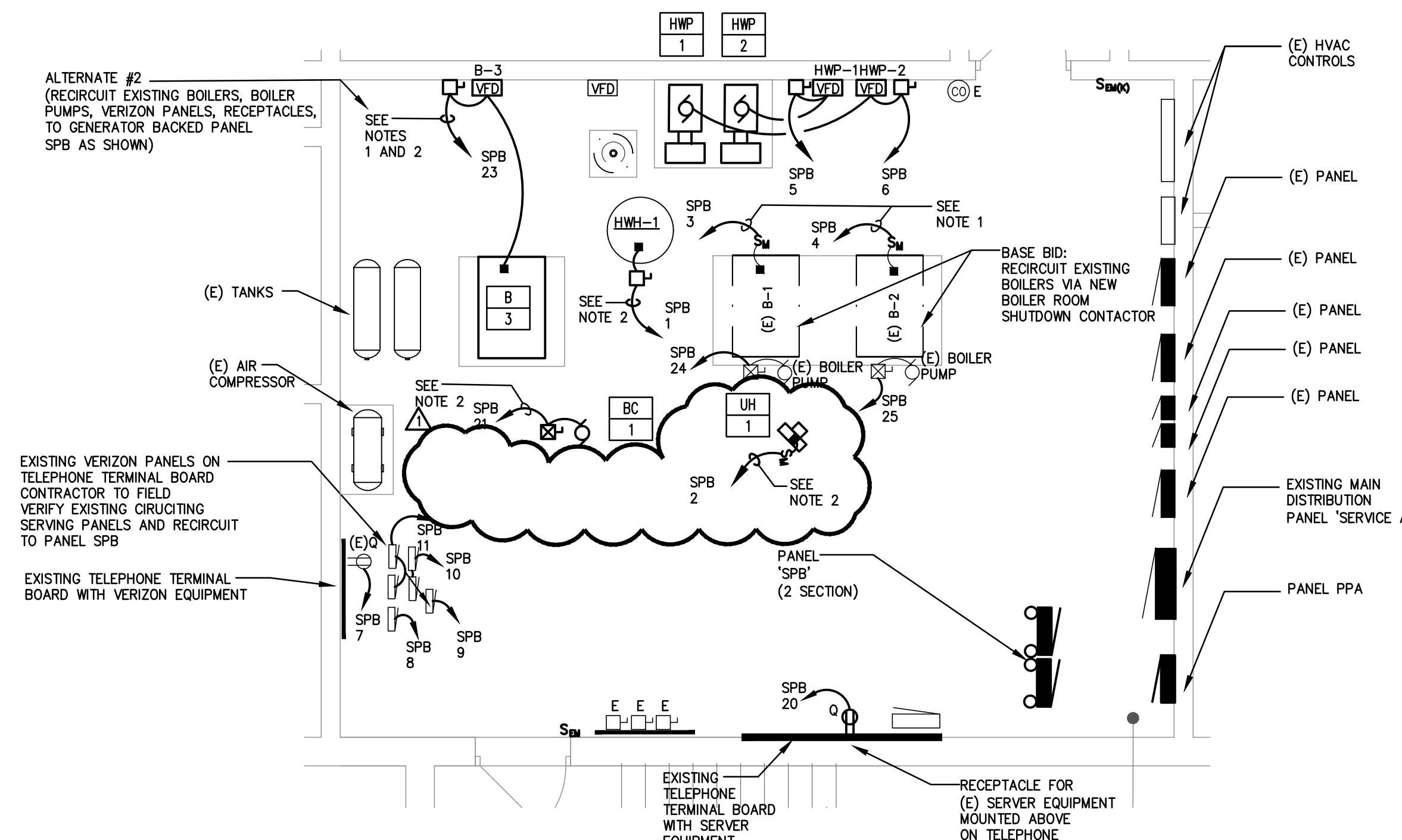
SHEET TITLE: DETAILS - ELECTRICAL

E-003



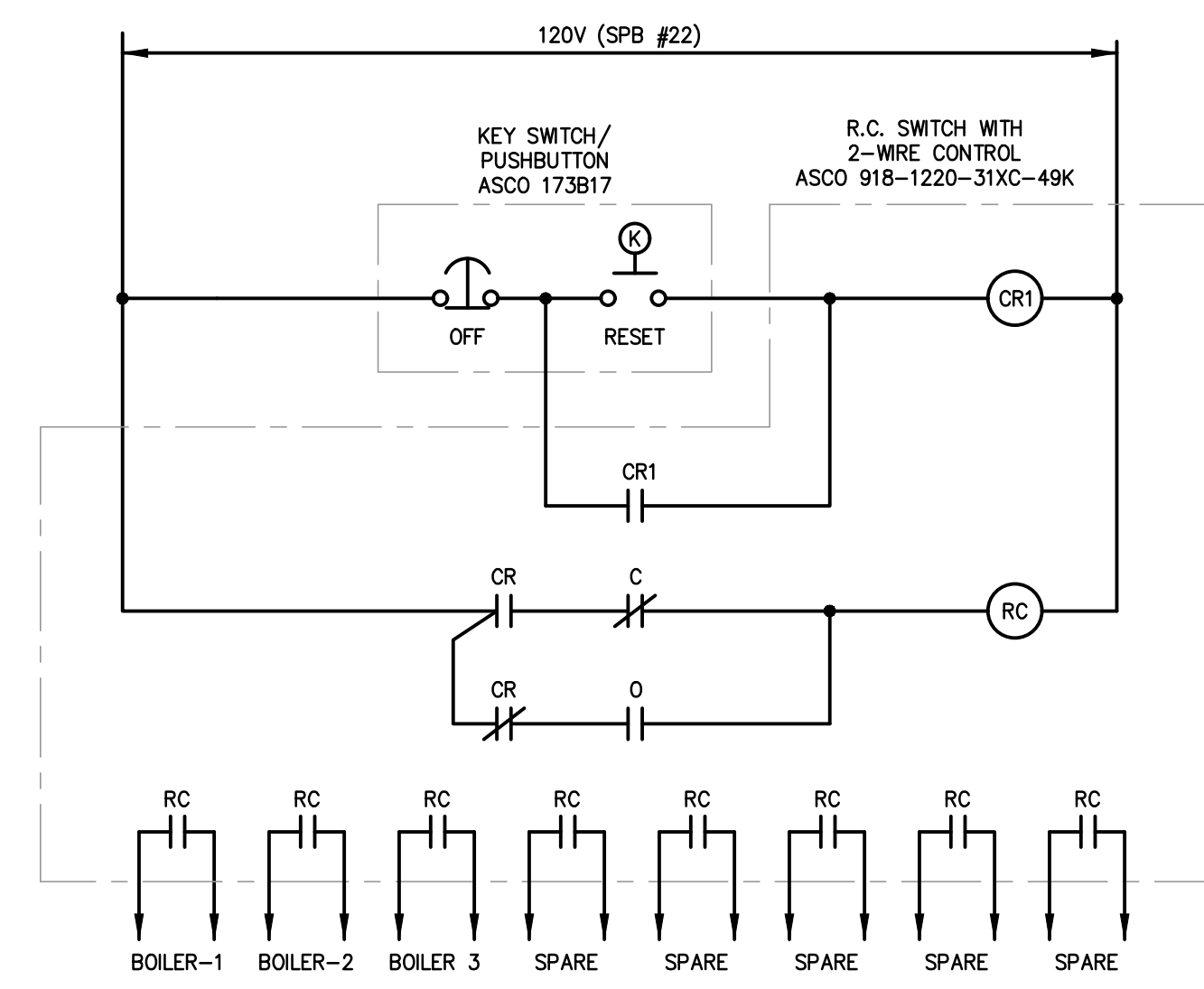
1 BASEMENT FLOOR PLAN LEVEL 1 - POWER
E101 SCALE 1/8" = 1'-0"

- NOTES:
- IF ALTERNATE #1 (FIRE ALARM) IS ACCEPTED DO NOT REINSTALL EXISTING FIRE ALARM DEVICES ON CEILING. PROVIDE NEW FIRE ALARM DEVICES AS SHOWN ON FIRE ALARM DRAWINGS. BASE BID WILL BE TO REINSTALL EXISTING.
 - DUCT SMOKE AND CARBON MONOXIDE DETECTORS AS SHOWN ON THESE PLANS ARE NEW AND MUST BE INSTALLED REGARDLESS IF ALTERNATE #1 (FIRE ALARM) IS ACCEPTED.
 - MOUNT ON GALVANIZED STEEL UNI-STRUT WITH STAINLESS STEEL HARDWARE SUPPORTED FROM BUILDING STRUCTURE.

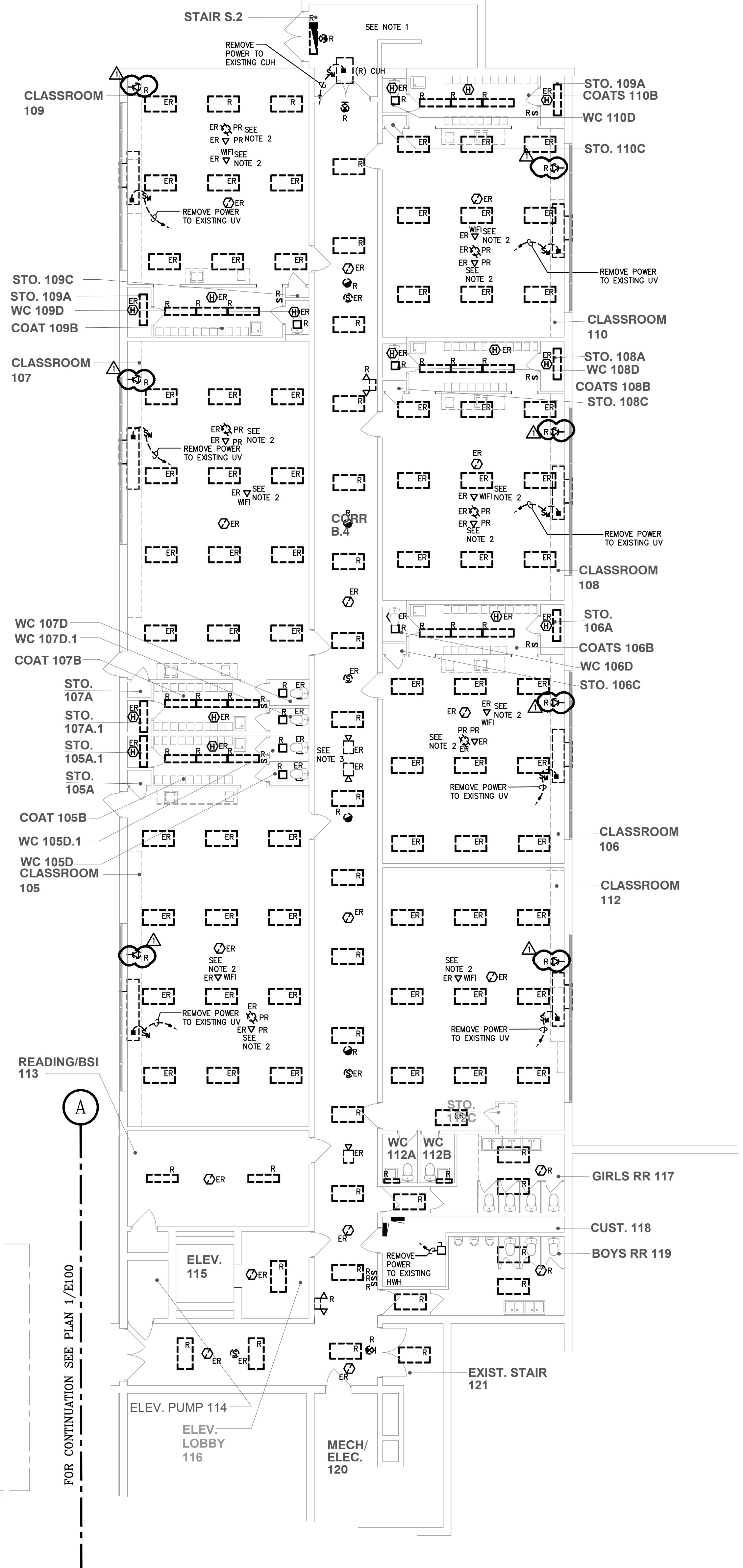


2 BOILER ROOM PLAN - ELECTRICAL
E101 SCALE 1/4" = 1'-0"

- NOTES:
- CIRCUIT VIA BOILER ROOM EMERGENCY SHUTDOWN CONTACTOR, SEE DETAIL 3/E101.
 - IF GENERATOR, ALTERNATE #2, IS NOT ACCEPTED CIRCUIT BACK TO PANEL PPA.

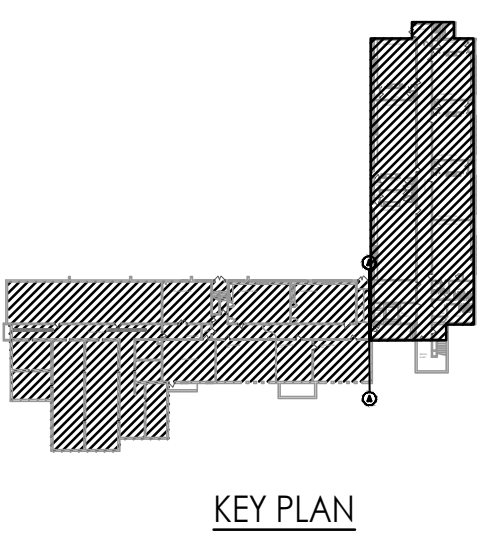


3 BOILER ROOM EMERGENCY SHUTDOWN WIRING DIAGRAM
E101 SCHEMATIC



4 BASEMENT FLOOR PLAN LEVEL 2 - ELECTRICAL DEMOLITION
E101 SCALE 1/8" = 1'-0"

- NOTES:
- REMOVE ALL EXISTING LIGHTING/LIGHTING CONTROL IN CORRIDORS AND STAIRS, WHETHER SHOWN OR NOT. NEW LIGHTING AND LIGHTING CONTROL WILL BE PLACED IN THESE AREAS AND SERVED FROM THE NEW STANDBY GENERATOR.
 - CLASSROOMS CONTAINS CEILING MOUNTED WIRELESS ACCESS POINTS AND/OR PROJECTOR. THIS EQUIPMENT WILL BE REMOVED BY OWNER PRIOR TO CONSTRUCTION. ALL CABLING SERVING THESE DEVICES WILL REMAIN ABOVE CEILING. TEMPORARILY RELOCATE BACK BOXES SERVING THESE DEVICES AND PROVIDE SUPPORT TO ENSURE CABLING DOES NOT GET DAMAGED. AFTER COMPLETION OF HVAC IN CLASSROOM PROVIDE RELOCATION OF BACK BOX IN CEILING AND CONNECT ALL EXISTING CABLES AS REQUIRED. THE EQUIPMENT WILL BE REINSTALLED BY OWNER.
 - CEILING MOUNTED CAMERA WILL BE REMOVED BY OWNER PRIOR TO CONSTRUCTION. ALL CABLING SERVING CAMERA WILL REMAIN ABOVE CEILING. TEMPORARILY RELOCATE BACK BOXES SERVING CAMERA AND PROVIDE SUPPORT TO ENSURE CABLING DOES NOT GET DAMAGED. AFTER COMPLETION OF HVAC IN AREA PROVIDE RELOCATION OF BACK BOX IN CEILING AND CONNECT ALL EXISTING CABLES AS REQUIRED. CAMERA WILL BE REINSTALLED BY OWNER.



KELTER & GILLICO
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NJ 3686
PRINCIPAL OFFICE: 1000 WASHINGTON AVE., SUITE 200, PRINCETON, NJ 08540
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+18009062650/3038FA/31400912100 - RRE@REGAD.COM

Frank Tindall, P.E.
REGISTERED PROFESSIONAL ENGINEER
NJ 3686

REGAN YOUNG, AIA
REGISTERED ARCHITECT
NJ 3686

NJDOE PROJECT NUMBERS
HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
HVAC- G5-6677
ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

ADDRESS:
**LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
REVISION DATE: **18 FEB 2025**

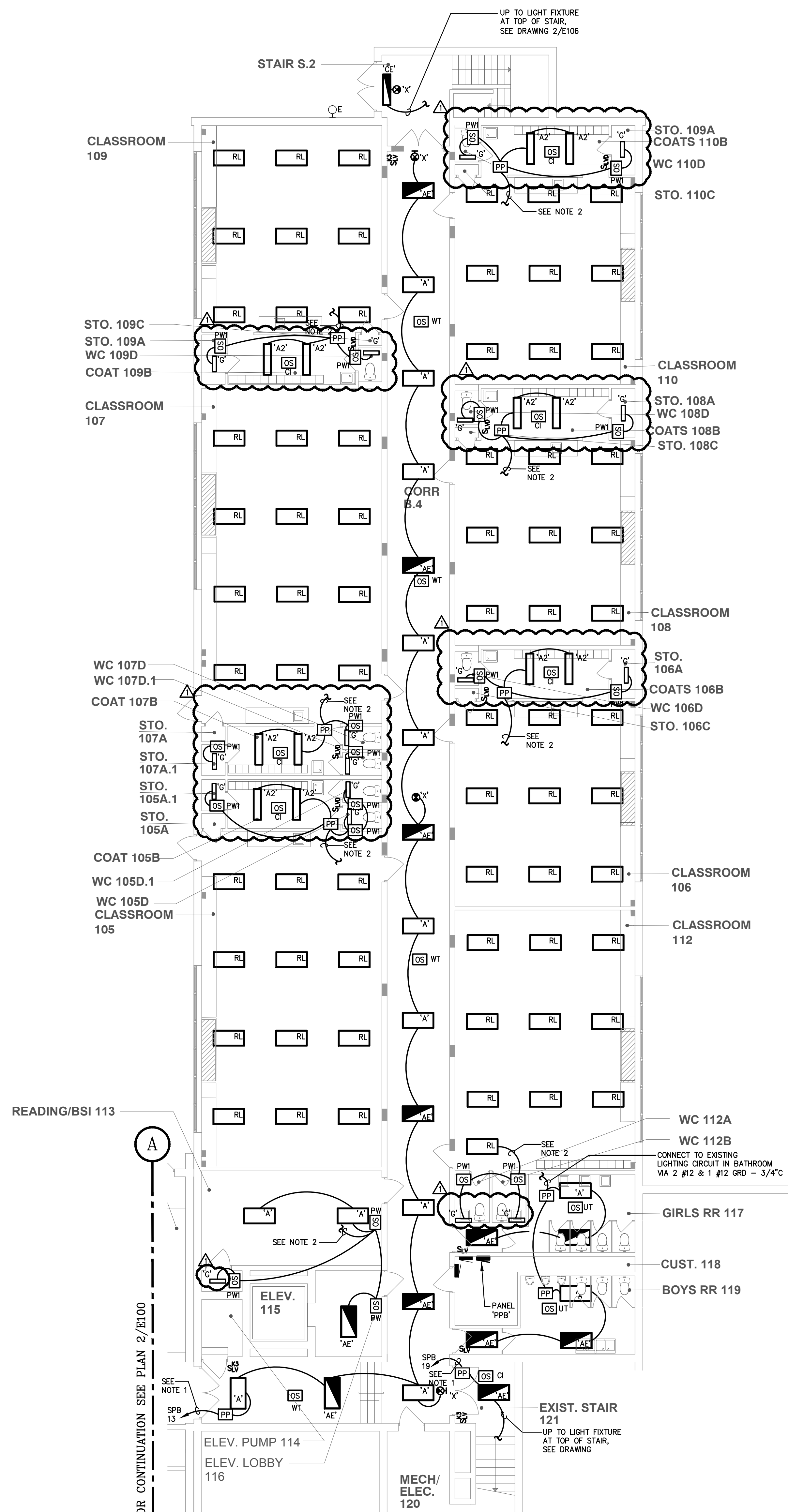
DRAWING DATE: **18 OCT 2024**
PRINT DATE: **18 OCT 2024**

DRAWN BY: **LA**

SHEET TITLE: **BASEMENT FLOOR PLAN LEVEL 1 AND 2 - ELECTRICAL**

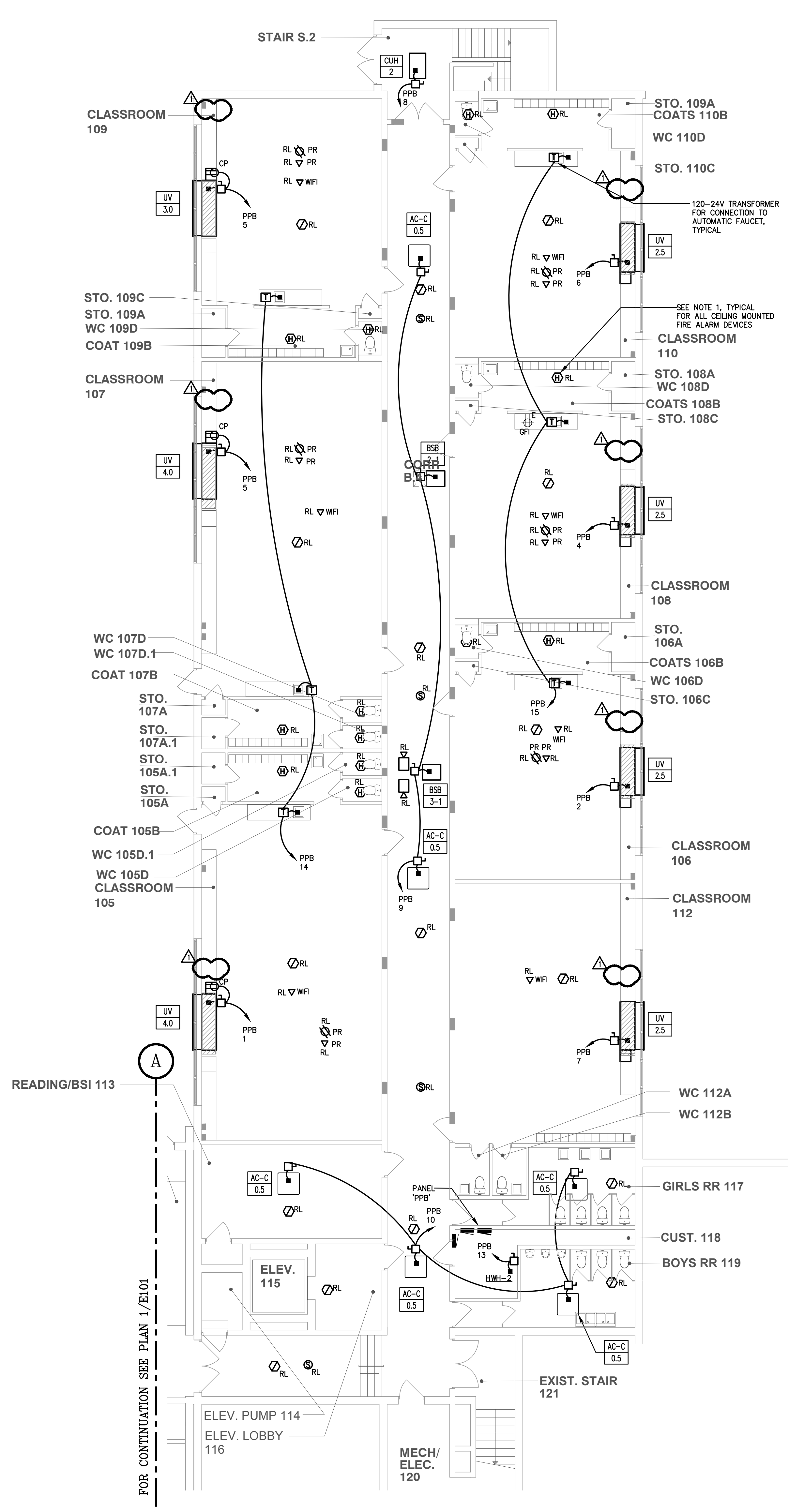
E-101

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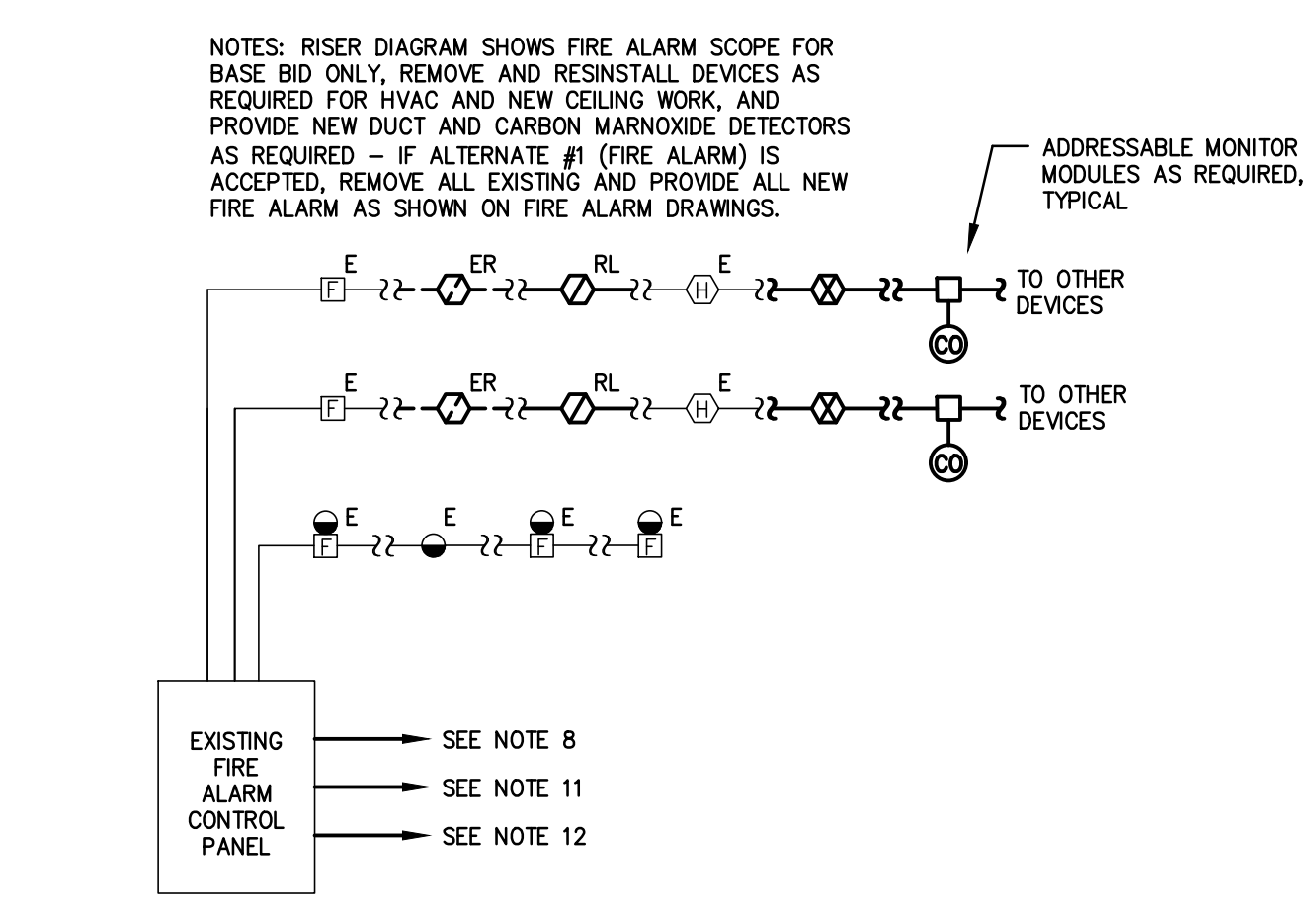
1 BASEMENT FLOOR PLAN
E102 LEVEL 2 - LIGHTING
 SCALE 1/8" = 1'-0"

- NOTES:
- IF GENERATOR, ALTERNATE #2, IS NOT ACCEPTED CIRCUIT LIGHTING TO PANEL PPA AS SHOWN ON PANEL SCHEDULE.
 - CONNECT TO EXISTING CLASSROOM LIGHTING CIRCUIT, VIA 2 #12 & 1 #12 GRD - 3/4"C



2 BASEMENT FLOOR PLAN
E102 LEVEL 2 - POWER
 SCALE 1/8" = 1'-0"

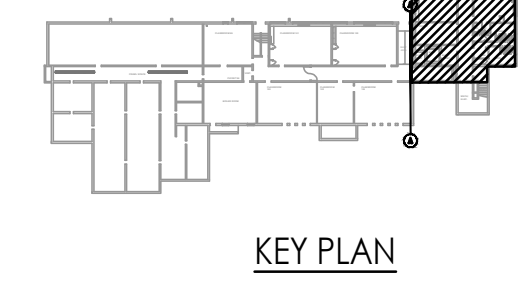
- NOTES:
- IF ALTERNATE #1 (FIRE ALARM) IS ACCEPTED DO NOT REINSTALL EXISTING FIRE ALARM DEVICES ON CEILING, PROVIDE NEW FIRE ALARM DEVICES AS SHOWN ON FIRE ALARM DRAWINGS. BASE BID WILL BE TO REINSTALL EXISTING.
 - DUCT SMOKE AND CARBON MONOXIDE DETECTORS AS SHOWN ON THESE PLANS ARE NEW AND MUST BE INSTALLED REGARDLESS IF ALTERNATE #1 (FIRE ALARM) IS ACCEPTED.



3 FIRE ALARM SYSTEM RISER DIAGRAM
E102 SCHEMATIC

FIRE ALARM SYSTEM NOTES:

- PROVIDE ALL WIRING AS RECOMMENDED BY MANUFACTURER. ALL WIRING SHALL BE IN CONDUIT. FIRE ALARM LABELED MC CABLE MAY BE USED IN CONCEALED LOCATIONS WHERE PERMITTED BY CODE.
- CONTRACTOR IS RESPONSIBLE FOR INSURING THAT FIRE ALARM SYSTEM MODIFICATIONS MEET ALL APPLICABLE CODES AND FOR OBTAINING FINAL APPROVAL FROM LOCAL FIRE INSPECTOR(S).
- PRIOR TO STARTING WORK, PREPARE SHOP DRAWINGS INCLUDING ALL INFORMATION REQUIRED UNDER IBC SECTION 907.1.2. SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW AND APPROVAL. ONCE APPROVED, SUBMIT SHOP DRAWINGS TO CODE REVIEWER/INSPECTOR(S) FOR APPROVAL. SHOP DRAWINGS TO BE SIGNED AND SEALED BY A NEW JERSEY PROFESSIONAL ENGINEER.
- EXPAND EXISTING FIRE ALARM SYSTEM AS REQUIRED TO CONNECT NEW DEVICES. PROVIDE ALL NEW HARDWARE, RELAYS, MODULES, WIRING, BATTERIES, ECT., AS NECESSARY FOR COMPLETE INSTALLATION.
- PROVIDE ALL PROGRAMMING BY A FACTORY CERTIFIED VENDOR AS REQUIRED TO MAKE THE NECESSARY MODIFICATION TO THE SYSTEM. INCLUDE ANY HARDWARE, WIRING, OF COMPONENTS NECESSARY FOR CONTINUED REUSE.
- CONTRACTOR IS RESPONSIBLE TO COORDINATE QUANTITY AND LOCATION DUCT MOUNTED SMOKE DETECTORS. FIELD COORDINATE EXACT LOCATIONS OF DUCT MOUNTED SMOKE DETECTORS WITH INSTALLED DUCTWORK.
- FURNISH AND INSTALL DUCT MOUNTED SMOKE DETECTORS WITH REMOTE INDICATING LIGHT AND TEST SWITCH. CONTRACTOR SHALL VERIFY AND CLEARLY LABEL REMOTE TEST SWITCH AS TO THE HVAC EQUIPMENT ASSOCIATED WITH EACH DETECTOR.
- PROVIDE INTERCONNECTION WIRING BETWEEN HVAC EQUIPMENT AND FIRE ALARM CONTROL PANEL AS REQUIRED FOR FAN SHUTDOWN AND SMOKE VENT OPERATION. ALL UNITS SHALL HAVE SEPARATE UNIT SHUTDOWN.
- PROVIDE CARBON MONOXIDE DETECTORS AT ALL MECHANICAL EQUIPMENT UTILIZING NATURAL GAS. PROVIDE CARBON MONOXIDE DETECTORS WITHIN THE FIRST SPACES SERVED BY GAS FIRED MECHANICAL EQUIPMENT.
- ALL FIRE ALARM CONTROL PANELS, REMOTE ANNUNCIATORS, AND BOOSTER PANELS SHALL HAVE SMOKE DETECTORS COVERAGE ABOVE. PROVIDE DEVICES WHETHER SHOWN ON PLANS OR NOT.
- PROVIDE AN ENABLE/DISABLE SIGNAL TO THE BUILDING AUTOMATION HVAC CONTROL SYSTEM TO INDICATE THE STATUS OF THE HVAC EQUIPMENT.
- THE EXISTING FIRE ALARM SYSTEM SHALL MONITOR THE NEW EMERGENCY GENERATOR FOR FAILURE, TROUBLE AND LOW FUEL CONDITIONS. PROVIDE ALL WIRING, HARDWARE, SOFTWARE, ETC. BETWEEN EQUIPMENT AS REQUIRED.
- UPON COMPLETION OF FIRE ALARM WORK, PROVIDE A RE-ACCEPTANCE TEST OF THE ENTIRE SYSTEM PER NFPA 72.



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NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
**BUILDING RENOVATION
 LINDENWOLD SCHOOL #4**

ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

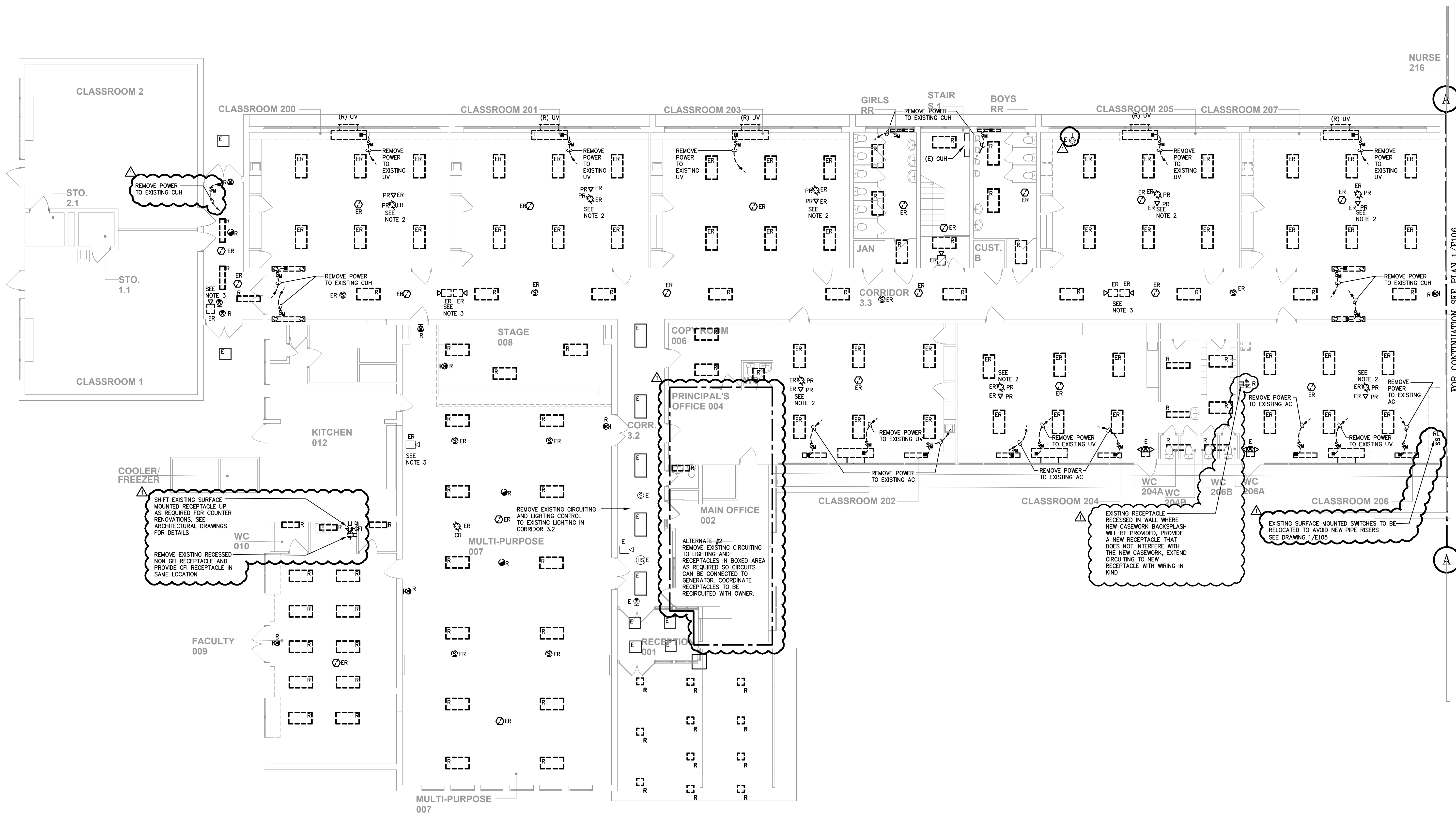
SUBMISSION DATE:
 REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
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DRAWN BY: **LA**

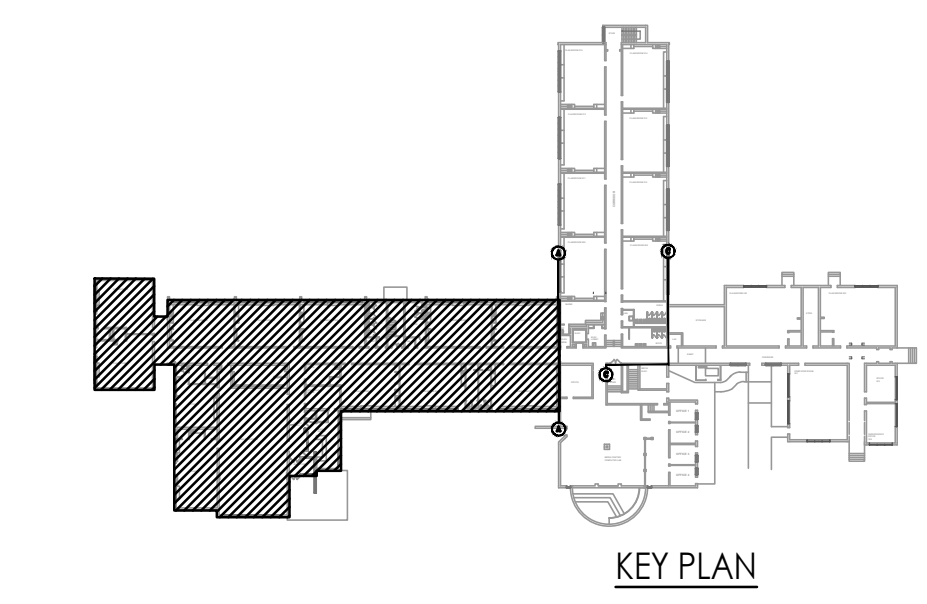
SHEET TITLE: **PARTIAL BASEMENT
 FLOOR PLAN -
 ELECTRICAL**

E-102



1 FLOOR PLAN LEVEL 3 - ELECTRICAL DEMOLITION
E103 SCALE 1/8" = 1'-0"

- NOTES:
- REMOVE ALL EXISTING LIGHTING/LIGHTING CONTROL IN CORRIDOR/STAIRS, WHETHER SHOWN OR NOT. NEW LIGHTING AND LIGHTING CONTROL WILL BE PLACED IN THESE AREAS.
 - CLASSROOMS CONTAINS CEILING MOUNTED WIRELESS ACCESS POINTS AND/OR PROJECTOR, THIS EQUIPMENT WILL BE REMOVED BY OWNER PRIOR TO CONSTRUCTION. ALL CABLING SERVING THESE DEVICES WILL REMAIN ABOVE CEILING. TEMPORARILY RELOCATE BACK BOXES SERVING THESE DEVICES AND PROVIDE SUPPORT TO ENSURE CABLING DOES NOT GET DAMAGED. AFTER COMPLETION OF HVAC IN CLASSROOM PROVIDE RELOCATION OF BACK BOX IN CEILING AND CONNECT ALL EXISTING CABLES AS REQUIRED. THE EQUIPMENT WILL BE REINSTALLED BY OWNER.
 - CEILING MOUNTED CAMERA WILL BE REMOVED BY OWNER PRIOR TO CONSTRUCTION. ALL CABLING SERVING CAMERA WILL REMAIN ABOVE CEILING. TEMPORARILY RELOCATE BACK BOXES SERVING CAMERA AND PROVIDE SUPPORT TO ENSURE CABLING DOES NOT GET DAMAGED. AFTER COMPLETION OF HVAC IN AREA PROVIDE RELOCATION OF BACK BOX IN CEILING AND CONNECT ALL EXISTING CABLES AS REQUIRED. CAMERA WILL BE REINSTALLED BY OWNER.



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NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
**BUILDING RENOVATION
 LINDENWOLD SCHOOL #4**

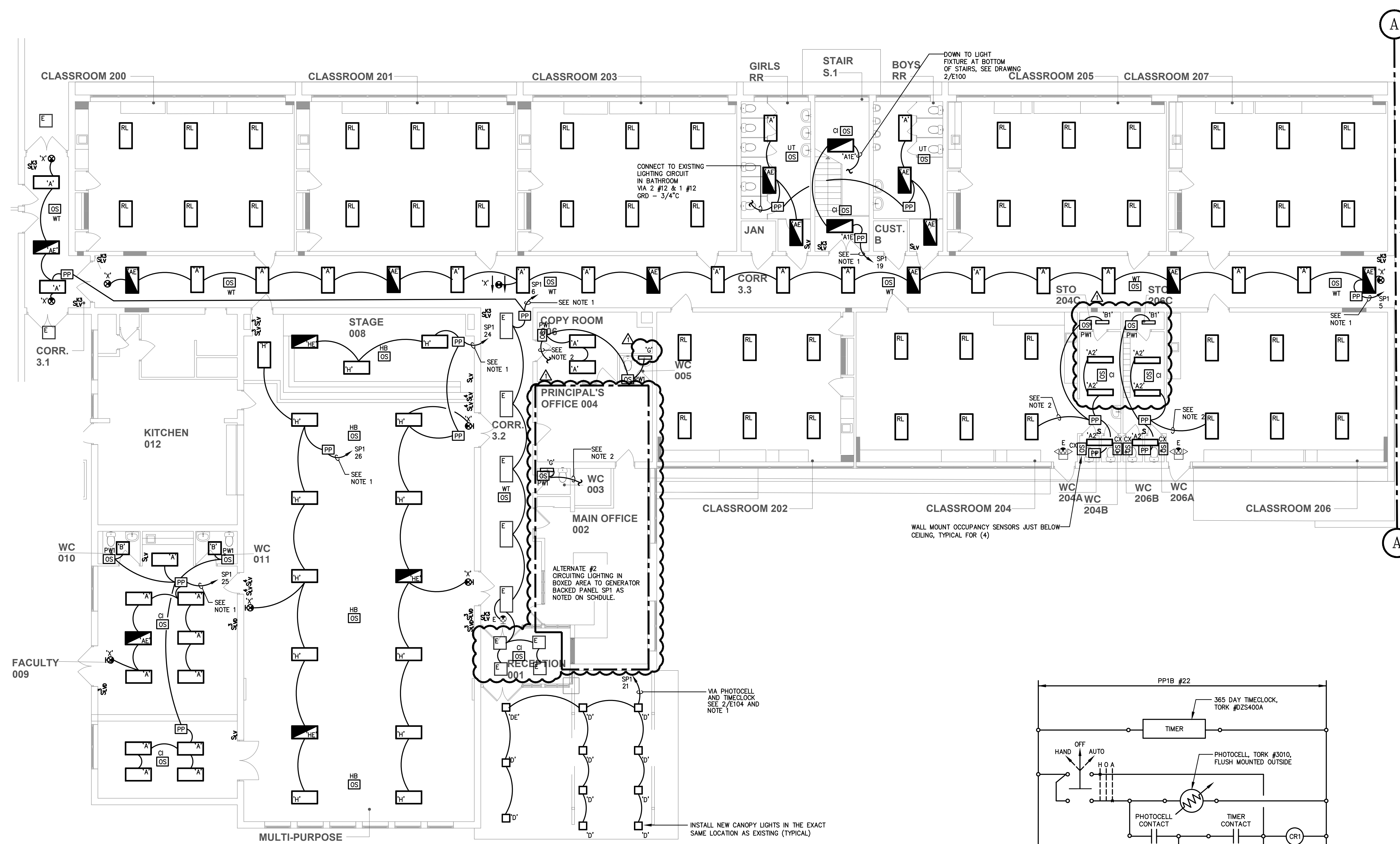
ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:	
REVISION DATE:	18 FEB 2025

DRAWING DATE:	18 OCT 2024
PRINT DATE:	18 OCT 2024
DRAWN BY:	LA
SHEET TITLE:	FLOOR PLAN LEVEL 3 - ELECTRICAL

E-103



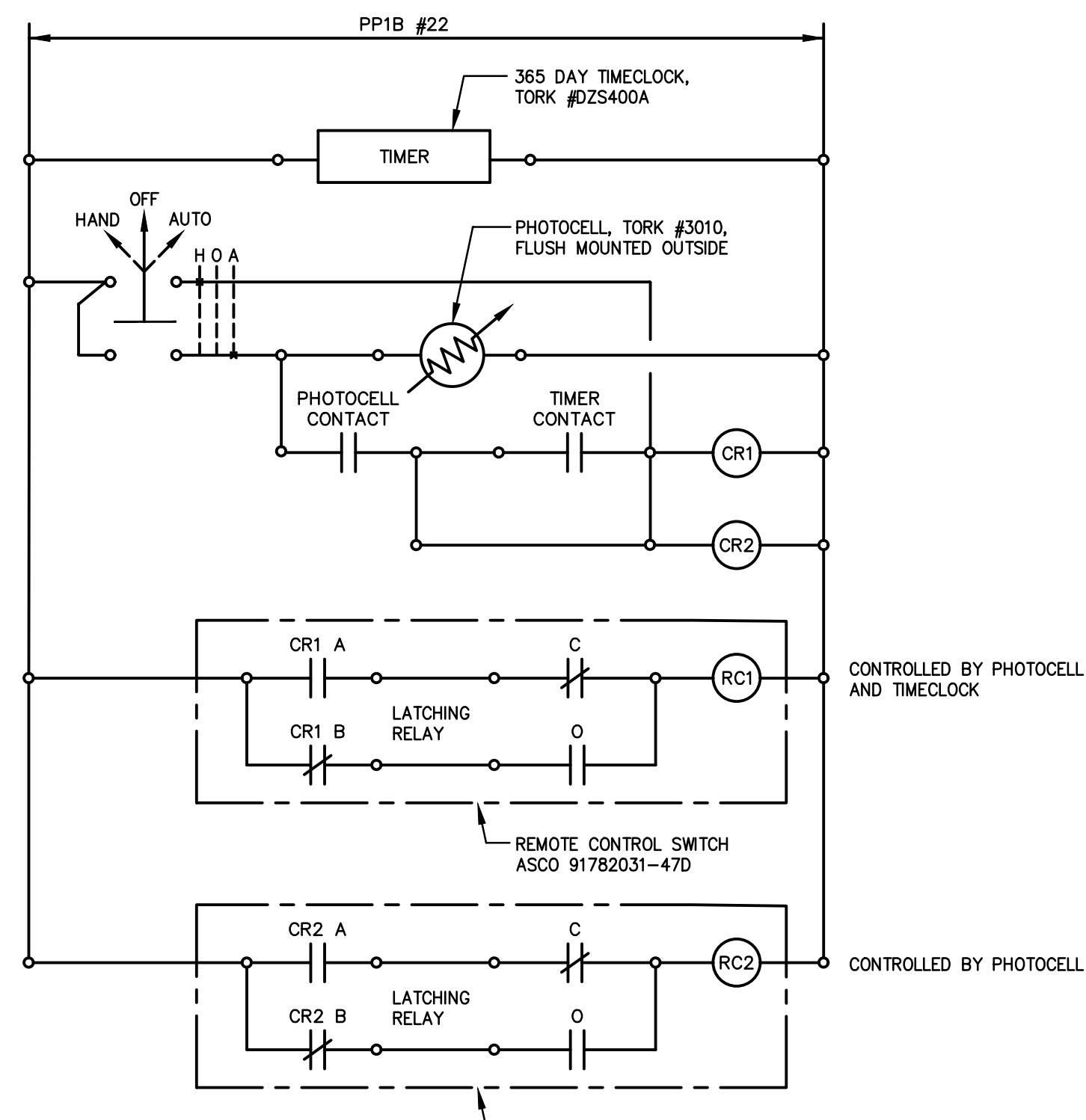
FOR CONTINUATION SEE PLAN 2/E105

ID	LAMPS	MANUFACTURER	CATALOG NUMBER	MOUNTING	DESCRIPTION
A	77W LED 7200 LUMENS SPX 40	COLUMBIA LIGHTONIA, METALUX OR APPROVED EQUAL	LZPT24-40VL-GLSR-SU-ED	RECESSED	2' X 4' FIXTURE, CURVE SHIELDING, 0-10V DIMMING, UNIVERSAL 120-277V INPUT
AE	77W LED 7200 LUMENS SPX 40	COLUMBIA LIGHTONIA, METALUX OR APPROVED EQUAL	LZPT24-40VL-GLSR-SU-ED-ELL14	RECESSED	2' X 4' FIXTURE, CURVE SHIELDING, HIGH LUMENS, 0-10V DIMMING, 90 MINUTE INTEGRAL BATTERY BACKUP, UNIVERSAL 120-277V INPUT
A1	91W LED 9200 LUMENS SPX 40	COLUMBIA LIGHTONIA, METALUX OR APPROVED EQUAL	LZPT24-40XL-GLSR-SU-ED	RECESSED	2' X 4' FIXTURE, CURVE SHIELDING, 0-10V DIMMING, UNIVERSAL 120-277V INPUT
A1E	91W LED 9200 LUMENS SPX 40	COLUMBIA LIGHTONIA, METALUX OR APPROVED EQUAL	LZPT24-40XL-GLSR-SU-ED-ELL14	RECESSED	2' X 4' FIXTURE, CURVE SHIELDING, HIGH LUMENS, 0-10V DIMMING, 90 MINUTE INTEGRAL BATTERY BACKUP, UNIVERSAL 120-277V INPUT
A2	33W LED 3300 LUMENS SPX 40	COLUMBIA LIGHTONIA, METALUX OR APPROVED EQUAL	LZPT14-40VW-GLSR-SU-ED	RECESSED	1' X 4' FIXTURE, CURVE SHIELDING, 0-10V DIMMING, UNIVERSAL 120-277V INPUT
B	21W LED 2300 LUMENS SPX 40	COLUMBIA LIGHTONIA, METALUX OR APPROVED EQUAL	LZPT22-40MW-GLSR-S-ED	RECESSED	2' X 2' FIXTURE, CURVE SHIELDING, 0-10V DIMMING, UNIVERSAL 120-277V INPUT
CE	44W LED 5541 LUMENS SPX 40	COLUMBIA LIGHTONIA, METALUX OR APPROVED EQUAL	ESL-440-HL-FAW-EDU-ELL14	WALL	3.06" D X 3.11" H X 4" W STAIRWELL FIXTURE, FROSTED ACRYLIC LENS, WIDE DISTRIBUTION, 0-10V DIMMING, INTEGRAL 90 MINUTE BATTERY BACKUP, UNIVERSAL 120-277V INPUT
D	55W LED 7000 LUMENS SPX 40	BEACON OR APPROVED EQUAL	LSQ2-55-4K7-120-XXX	SURFACE	14" SQUARE X 6" DEEP EXTERIOR CANOPY FIXTURE, COLOR/FINISH AS SELECTED BY ARCHITECT, 120V INPUT
DE	55W LED 7000 LUMENS SPX 40	BEACON OR APPROVED EQUAL	LSQ2-55-4K7-120-XXX-EH	SURFACE	14" SQUARE X 6" DEEP EXTERIOR CANOPY FIXTURE, COLOR/FINISH AS SELECTED BY ARCHITECT, INTEGRAL COLD WEATHER 90 MINUTE BATTERY BACKUP, 120V INPUT
G	16W LED 1400 LUMENS SPX 35	WAC OR APPROVED EQUAL	WS-224G2	SURFACE/WALL	5-3/8" X 2" SURFACE MOUNTED FIXTURE, 120-277V INPUT (SURFACE MOUNT IN CLOSET AND BATHROOMS W/OUT SINKS/WALL MOUNT IN BATHROOMS W/SINKS)
H	180W LED 7200 LUMENS SPX 40	KENALL OR APPROVED EQUAL	HASED124-180L-40K8-DM1-DV-2F-2H-6	RECESSED	2' X 4' FIXTURE, HIGH ABUSE FIXTURE, 0-10V DIMMING, INTEGRAL, UNIVERSAL 120-277V INPUT
HE	180W LED 7200 LUMENS SPX 40	KENALL OR APPROVED EQUAL	HASED124-180L-40K8-DM1-DV-2F-2H-6-ELL	RECESSED	2' X 4' FIXTURE, HIGH ABUSE FIXTURE, 0-10V DIMMING, INTEGRAL, 90 MINUTE BATTERY BACKUP, UNIVERSAL 120-277V INPUT
R	17W LED 900 LUMENS SPX 40	SAYLITE COOPER OR APPROVED EQUAL	VPW-17W-900L-MV-50K-SN	SURFACE	VAPOR PROOF FIXTURE, UL LISTED FOR WET LOCATIONS, RIGHT ANGLE/BOX, CLEAR GLOBE, CAST GUARD, 120V INPUT
RH	2.5W LED	SURE-LITE EMERG-LITE, ATLITE OR APPROVED EQUAL	APRW	SURFACE	2 LAMP REMOTE HEAD, COLOR AS SELECTED BY ARCHITECT, 3.6V INPUT
X	LED	SURE-LITE EMERG-LITE, ATLITE OR APPROVED EQUAL	APXH7R02	WALL/CEILING	EXIT SIGN WITH 6" X 3/4" RED LETTERS, FACES SINGLE OR DOUBLE FACE AS REQD, ARROWS AS SHOWN, 120V INPUT, INTEGRAL 90 MINUTE EMERGENCY BATTERY BACKUP, REMOTE HEAD CAPACITY

1 FLOOR PLAN LEVEL 3 - LIGHTING
SCALE 1/8" = 1'-0"

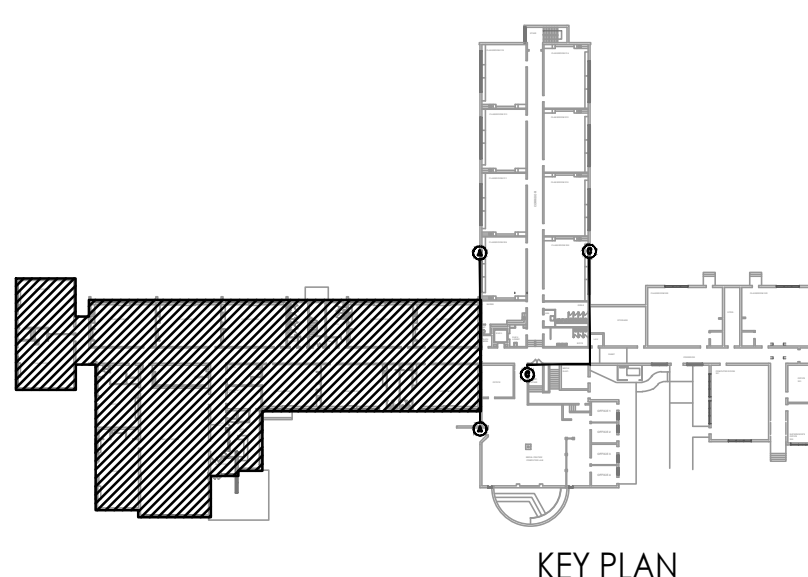
- NOTES:
1. IF GENERATOR, ALTERNATE #2 IS NOT ACCEPTED CIRCUIT LIGHTING BACK TO PANEL PP18 AS SHOWN ON PANEL SCHEDULE.
2. CONNECT TO EXISTING LIGHTING CIRCUIT IN AREA, VIA 2 #12 & 1 #12 GRD - 3/4"C.

- LIGHTING FIXTURE NOTES:**
1. ALL FIXTURES SHALL COMPLY WITH ASHRAE/IESNA 90.1 2016 LIGHTING EFFICACY STANDARDS FOR NEW COMMERCIAL BUILDINGS.
2. CONNECT ALL EXIT SIGNS AHEAD OF ALL SWITCHING AND CONTROLS.
3. PROVIDE ALL EMERGENCY LIGHTING CONTROL RELAYS AND LIGHT FIXTURES SPECIFIED WITH EMERGENCY BATTERY BACKUP WITH AN UNSWITCHED PHASE LEG TO MONITOR FOR NORMAL POWER FAILURE.
4. VERIFY EXACT LOCATION OF FIXTURES IN FIELD WITH ARCHITECT AND OWNER PRIOR TO ROUGH-IN.
- AUTOMATIC LIGHTING CONTROL NOTES:**
1. FURNISH AND INSTALL ALL WIRING AND DEVICES AS RECOMMENDED BY THE MANUFACTURER'S WRITTEN INSTRUCTION FOR THE INSTALLATION OF OCCUPANCY SENSORS.
2. PROVIDE ALL RELAYS, POWER PACKS AND LOW VOLTAGE WIRING AS REQUIRED.
3. VERIFY ALL OCCUPANCY SENSORS TO BE FURNISHED AND INSTALLED WITH LOW VOLTAGE OR LINE VOLTAGE INPUTS.
4. THE CONTRACTOR SHALL SET ALL PROGRAMMABLE TIME DELAYS TO A MINIMUM OF 15 MINUTES UNLESS OTHERWISE NOTED. ALL OCCUPANCY SENSORS WITH AN AUTOMATIC SENSITIVITY SETTING SHALL BE SET TO AUTOMATIC UNLESS A REDUCED SENSITIVITY SETTING IS RECOMMENDED BY THE MANUFACTURER OR REQUESTED BY THE OWNER. ALL OCCUPANCY SENSORS WITH A SELECTABLE WALK-THROUGH MODE SHALL BE SET TO THIS MODE.



2 SCHEMATIC WIRING DIAGRAM FOR EXTERIOR LIGHTING CONTROL

- NOTES:
1. MOUNT CONTROL SWITCH RELAY & REMOTE CONTROL SWITCH IN NEMA 1 ENCLOSURE AND MOUNT HAND-OFF-AUTO SELECTOR SWITCH ON THE FACE OF ENCLOSURE. COORDINATE EXACT LOCATION IN FIELD.
2. ALL EXTERIOR EMERGENCY FIXTURES SHALL BE CONTROLLED BY PHOTOCELL ONLY.



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REGAN YOUNG, AIA
21408912100

NJDOE PROJECT NUMBERS
HVAC - 2670-040-23-R503
ROOF - 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC - 2670-040-23-G5KN
ROOF - 2670-050-23-G5KM

NJSDA GRANT NUMBERS
HVAC - G5-6677
ROOF - G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

ADDRESS:
**LINDENWOLD SCHOOL #4
& BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021**

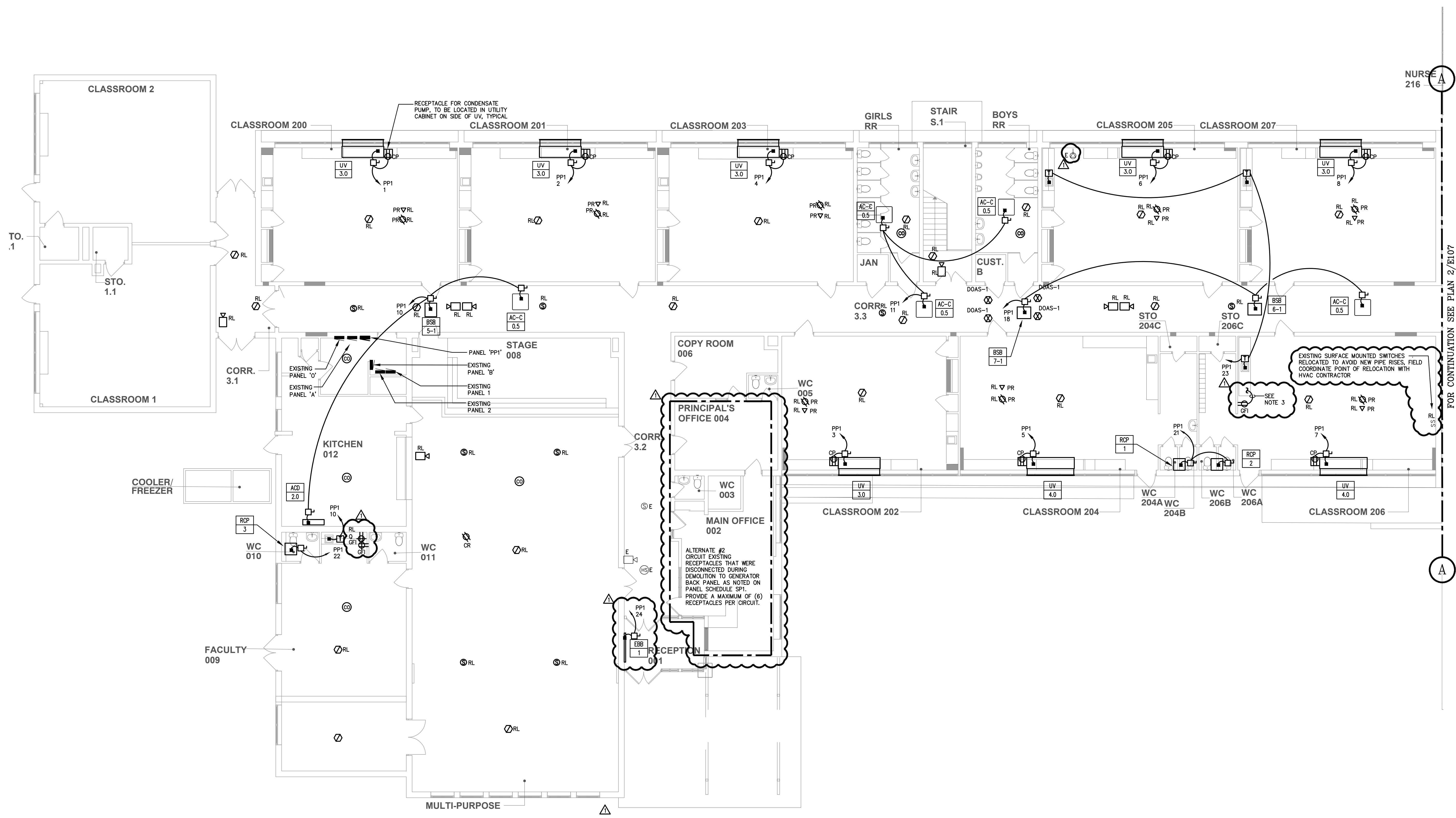
PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
PRINT DATE: **18 OCT 2024**
DRAWN BY: **LA**

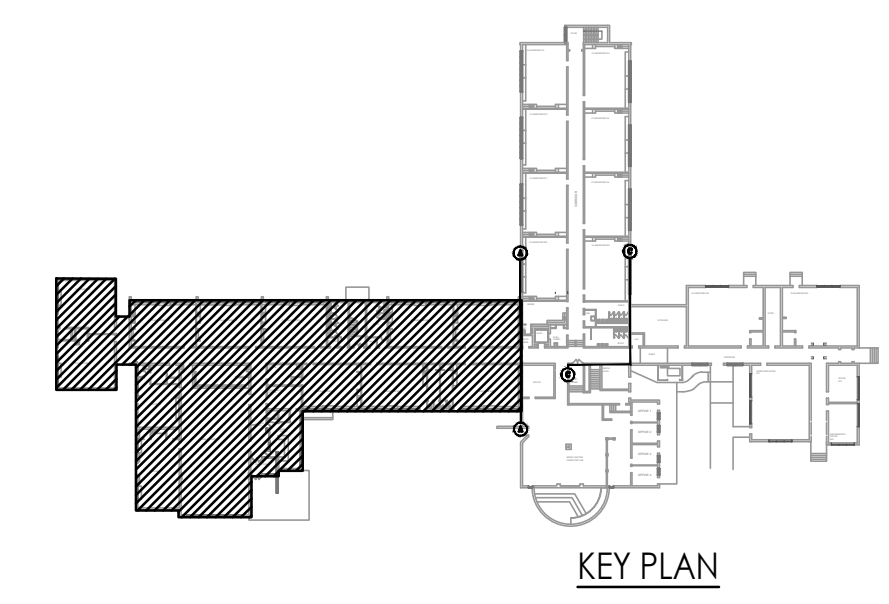
SHEET TITLE: **FLOOR PLAN LEVEL 3 - LIGHTING**

E-104



1 FLOOR PLAN LEVEL 3 - POWER
E105 SCALE 1/8" = 1'-0"

- NOTES:
1. IF ALTERNATE #1 (FIRE ALARM) IS ACCEPTED DO NOT REINSTALL EXISTING FIRE ALARM DEVICES ON CEILING, PROVIDE NEW FIRE ALARM DEVICES AS SHOWN ON FIRE ALARM DRAWINGS. BASE BID WILL BE TO REINSTALL EXISTING.
 2. DUCT SMOKE AND CARBON MONOXIDE DETECTORS AS SHOWN ON THESE PLANS ARE NEW AND MUST BE INSTALLED REGARDLESS IF ALTERNATE #1 (FIRE ALARM) IS ACCEPTED.
 3. CONNECT TO EXISTING RECEPTACLE CIRCUIT THAT PREVIOUSLY SERVED DEMOLISHED RECEPTACLE SEE DRAWING E/103.



THIS DRAWING FORMATTED TO BE PRINTED FULL SIZE AT 30" x 42" - DO NOT SCALE DRAWINGS.

KELTER & GILLICO
 ARCHITECTS
 700 771 158 PRINCETON LIBRARY DR
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Frank Tindall, P.E.
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 NJ 36868

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NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

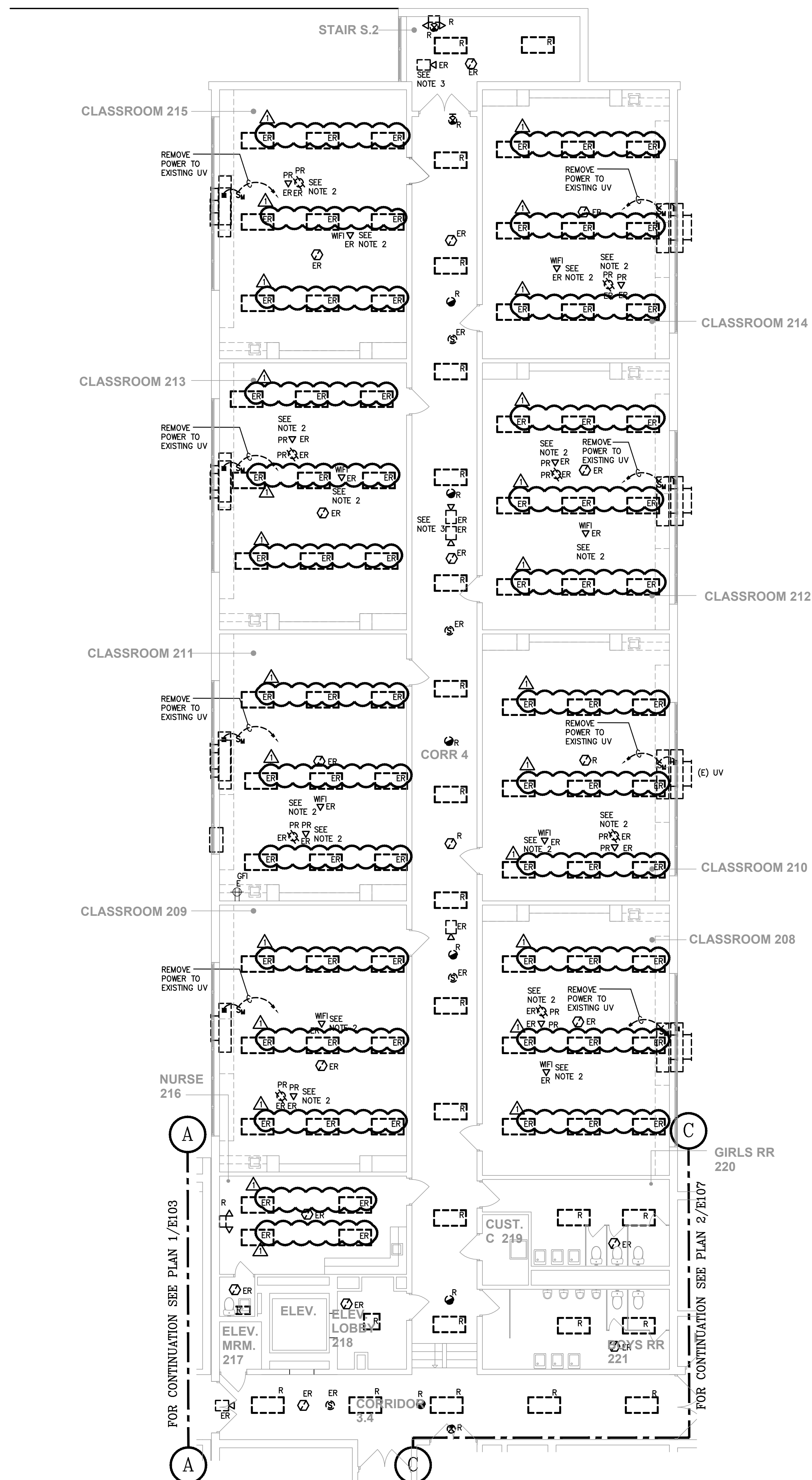
ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
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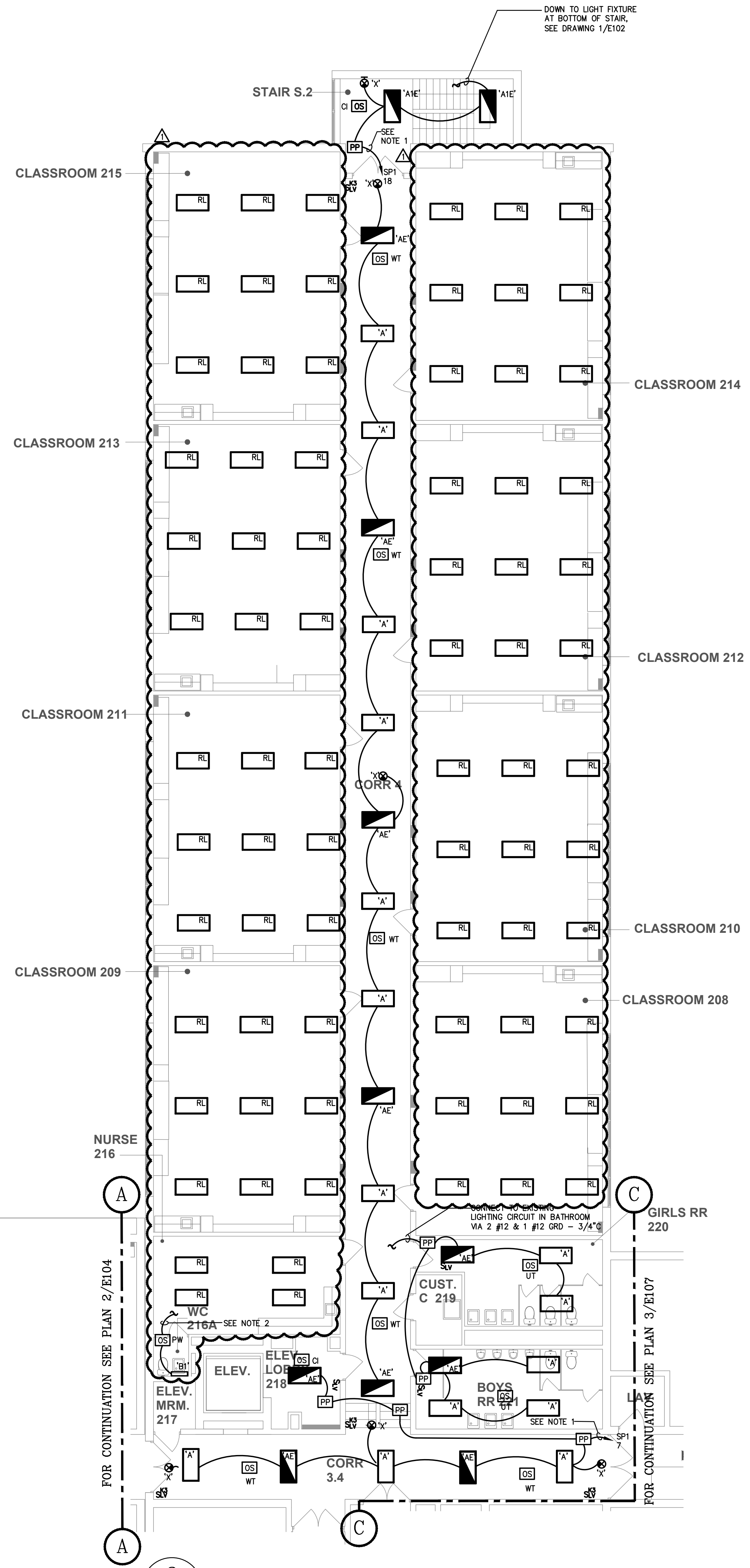
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 PRINT DATE: **18 OCT 2024**
 DRAWN BY: **LA**
 SHEET TITLE: **FLOOR PLAN LEVEL 3 - POWER**

E-105



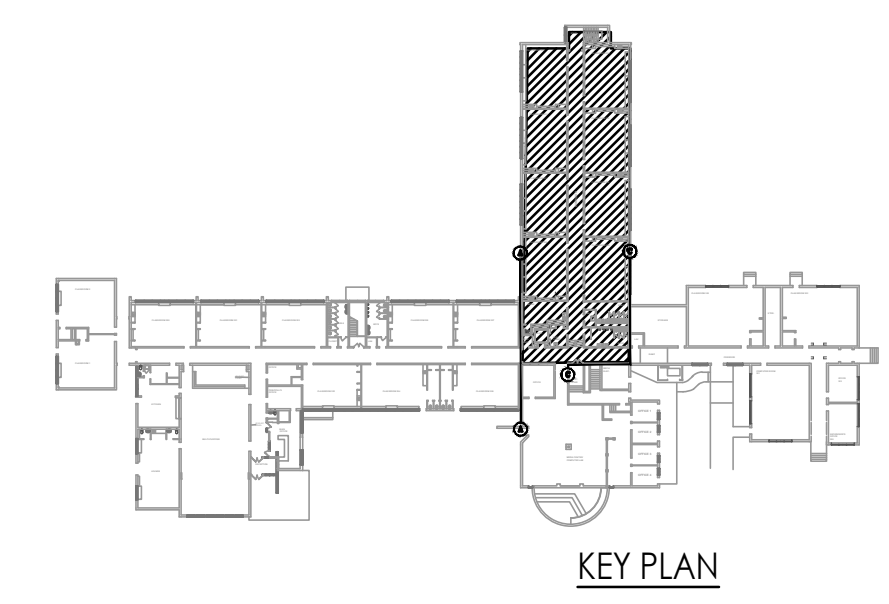
1 FLOOR PLAN LEVEL 4 - ELECTRICAL DEMOLITION
SCALE 1/8" = 1'-0"

- NOTES:
- REMOVE ALL EXISTING LIGHTING/LIGHTING CONTROL IN CORRIDORS, STAIRS AND CLASSROOMS WHETHER SHOWN OR NOT. NEW LIGHTING AND LIGHTING CONTROL WILL BE PLACED IN THESE AREAS.
 - CLASSROOMS CONTAINS CEILING MOUNTED WIRELESS ACCESS POINTS AND/OR PROJECTOR, THIS EQUIPMENT WILL BE REMOVED BY OWNER PRIOR TO CONSTRUCTION. ALL CABLING SERVING THESE DEVICES WILL REMAIN ABOVE CEILING. TEMPORARILY RELOCATE BACK BOXES SERVING THESE DEVICES AND PROVIDE SUPPORT TO ENSURE CABLING DOES NOT GET DAMAGED. AFTER COMPLETION OF HVAC IN CLASSROOM PROVIDE RELOCATION OF BACK BOX IN CEILING AND CONNECT ALL EXISTING CABLES AS REQUIRED. THE EQUIPMENT WILL BE REINSTALLED BY OWNER.
 - CEILING MOUNTED CAMERA WILL BE REMOVED BY OWNER PRIOR TO CONSTRUCTION. ALL CABLING SERVING CAMERA WILL REMAIN ABOVE CEILING. TEMPORARILY RELOCATE BACK BOXES SERVING CAMERA AND PROVIDE SUPPORT TO ENSURE CABLING DOES NOT GET DAMAGED. AFTER COMPLETION OF HVAC IN AREA PROVIDE RELOCATION OF BACK BOX IN CEILING AND CONNECT ALL EXISTING CABLES AS REQUIRED. CAMERA WILL BE REINSTALLED BY OWNER.



2 FLOOR PLAN 4 - LIGHTING
SCALE 1/8" = 1'-0"

- NOTES:
- IF GENERATOR, ALTERNATE #2 IS NOT ACCEPTED CIRCUIT LIGHTING BACK TO PANEL PP1B AS SHOWN ON PANEL SCHEDULE.
 - PROVIDE AND CONNECT TO EXISTING LIGHTING CIRCUIT VA 2 #12 & 1 #12 GRD - 3/4"



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NJ 36668

REGAN YOUNG, AIA
REGISTERED ARCHITECT
NJ 2400912100

NJDOE PROJECT NUMBERS
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ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
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NJSDA GRANT NUMBERS
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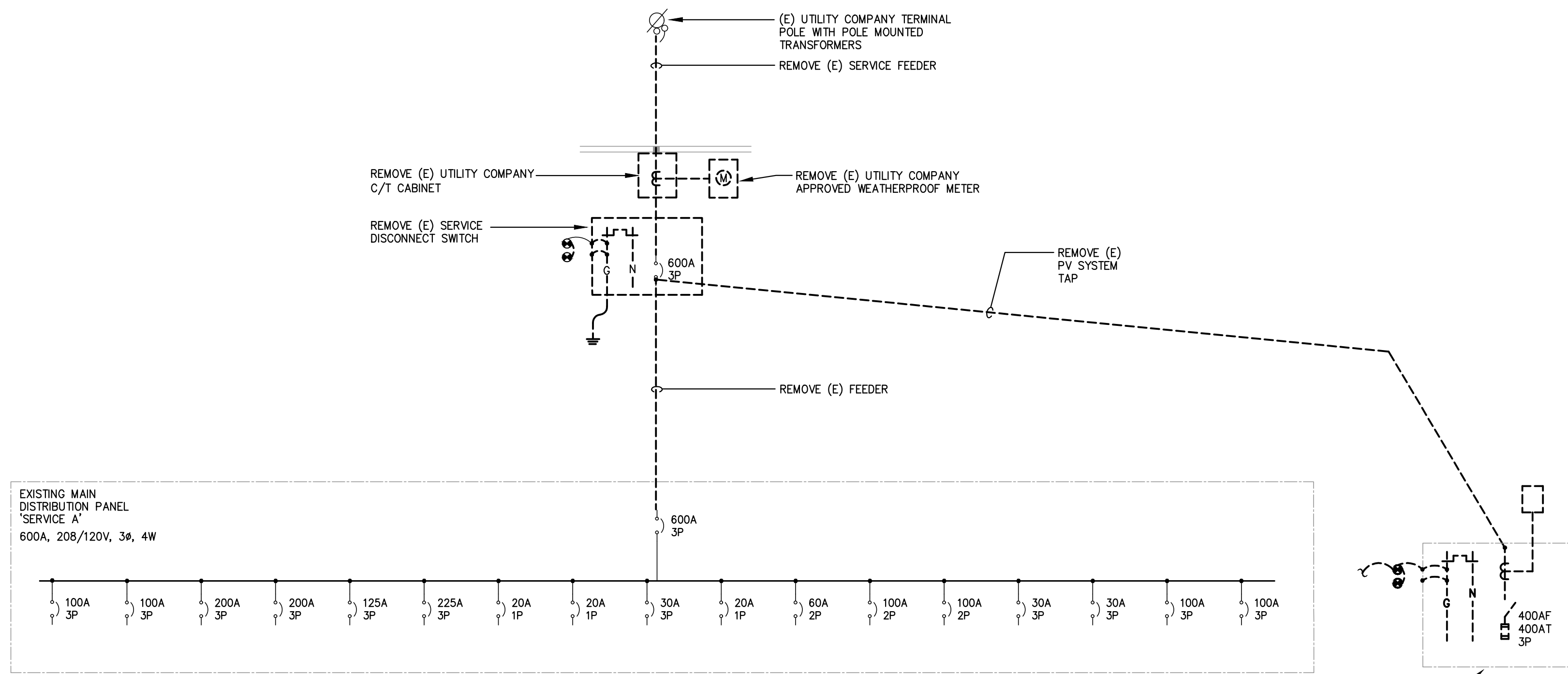
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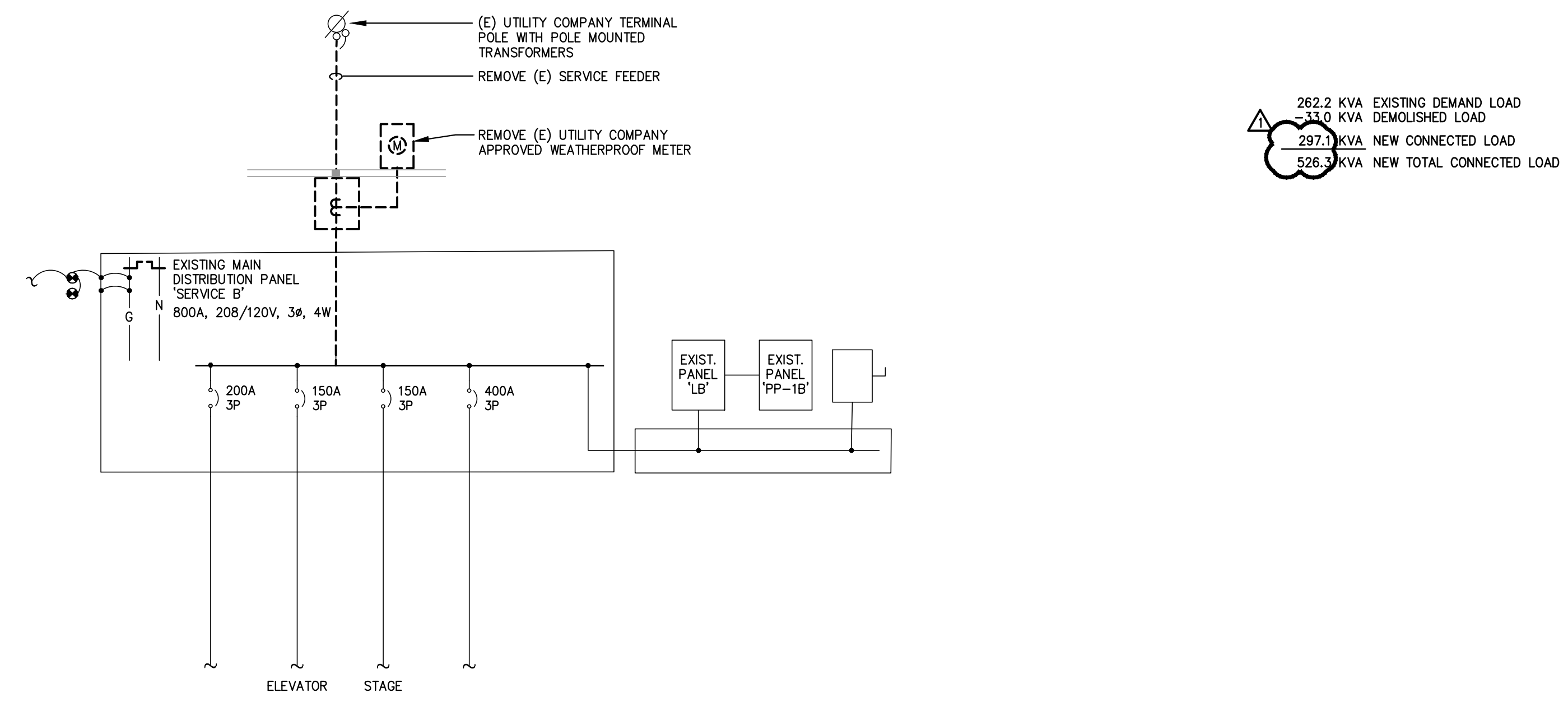
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PRINT DATE: **18 OCT 2024**
DRAWN BY: **LA**

SHEET TITLE: **FLOOR PLANS LEVEL 4 - ELECTRICAL**

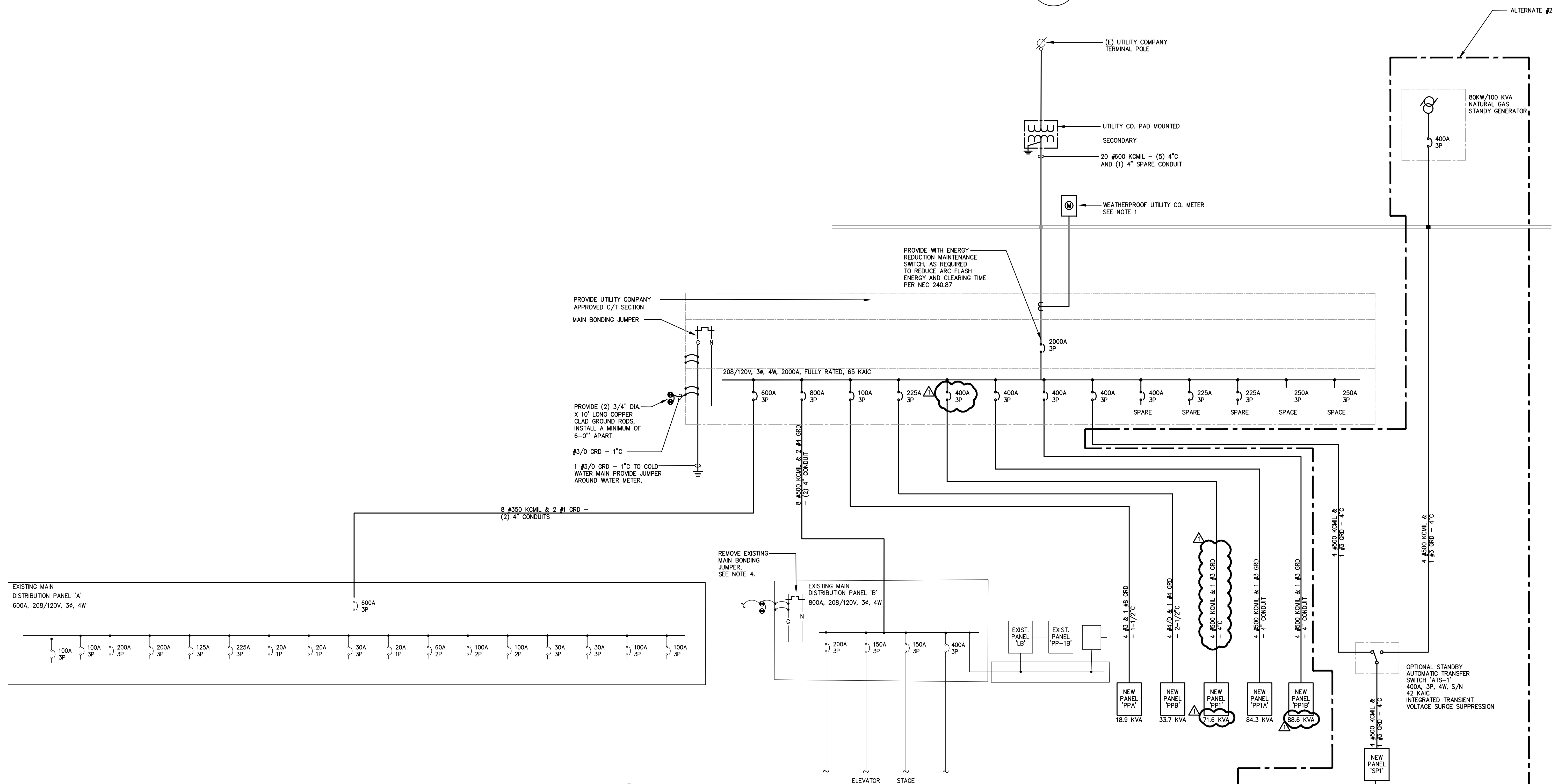
E-106



1 SINGLE LINE DIAGRAM - SERVICE A
E200 SCHEMATIC

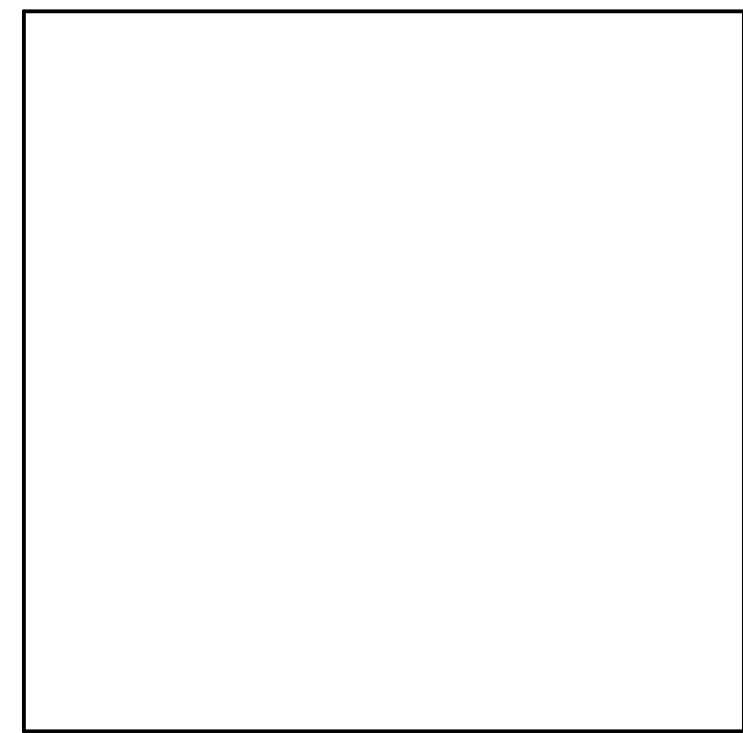


2 SINGLE LINE DIAGRAM - SERVICE B
E200 SCHEMATIC

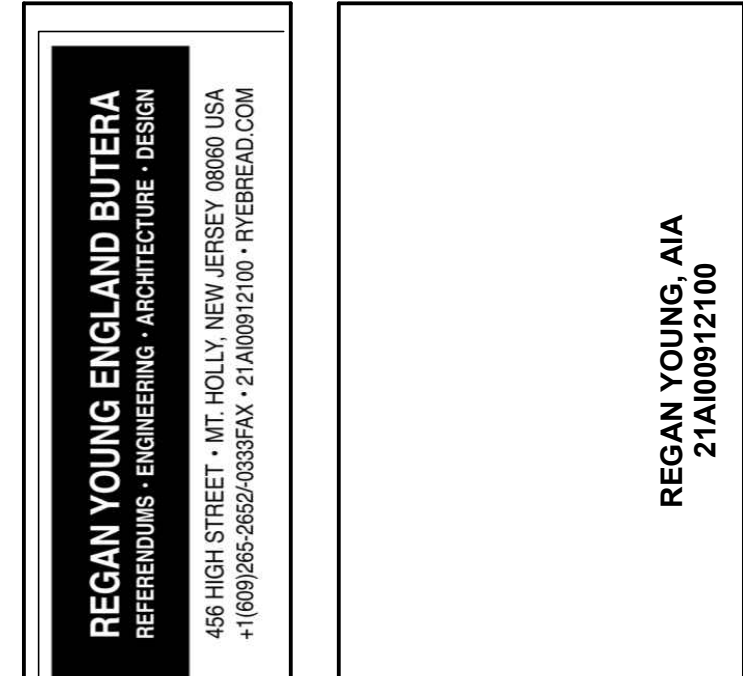


3 SINGLE LINE DIAGRAM - NEW SERVICE
E200 SCHEMATIC

- NOTES:
- COORDINATE WITH UTILITY COMPANY AND MAKE ALL NECESSARY PROVISIONS AS REQUIRED.
 - WHERE THERE IS 20' OR MORE OF 1/2" OR LARGER REBAR ENCASED IN A MINIMUM OF 2" OF CONCRETE IT SHALL BE BONDED TOGETHER WITH STEEL WIRE TIES AND CONNECTED TO THE GROUNDING ELECTRODE SYSTEM VIA #4 AWC SOLID COPPER CONDUCTOR AND A APPROVED GROUNDING CLAMP, BUNDDY TYPE "G4" SERIES OR EQUAL PER NEC 250-50(C) 250-52(A)(3), 250-66(B) AND 250-70.
 - THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING EXISTING ABOVE GRADE AND UNDERGROUND UTILITIES. ALL UTILITIES SHALL BE MARKED OUT AS REQUIRED BY NJIA, CALL BEFORE YOU DIG.
 - ENSURE THAT ALL NEUTRALS AND GROUNDS ARE SEPARATED AT BOTH EXISTING DISTRIBUTION BOARDS. REARRANGE TERMINATIONS IF/AS REQUIRED TO COMPLY.
 - PROVIDE SWITCHBOARD WITH ARC-FLASH HAZARD WARNING LABEL AS DESCRIBED PER NEC 110.21 (B).
 - PER NEC 110.24 MARK SWITCHBOARD WITH CALCULATED AVAILABLE FAULT CURRENT, LABEL SHALL INCLUDE THE DATE THE FAULT-CURRENT CALCULATION WAS PERFORMED.



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NJ 3686



REGAN YOUNG, AIA
21A00912100

NJDOE PROJECT NUMBERS
HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
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PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
PRINT DATE: **18 OCT 2024**

DRAWN BY: **LA**
SHEET TITLE: **SINGLE LINE
DIAGRAM
- ELECTRICAL**

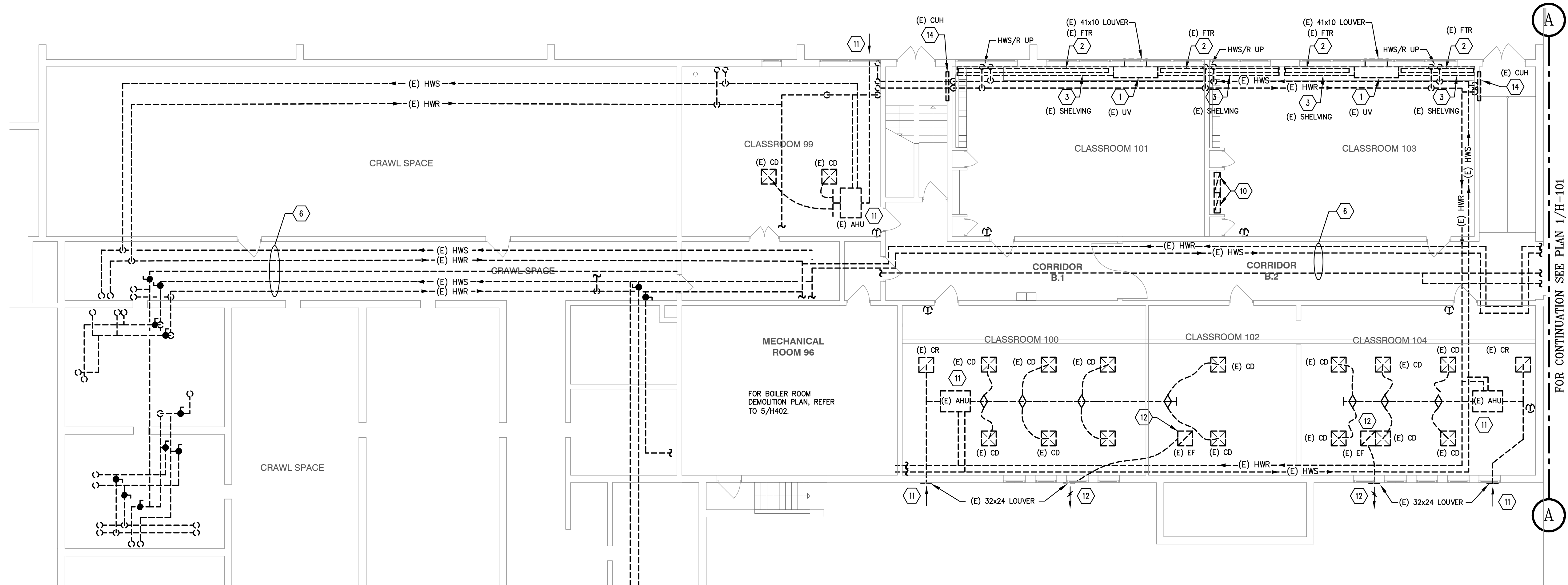
E-200

HVAC DEMOLITION KEY NOTES

- 1 (E) UV AND ASSOCIATED LOUVER, WALL SLEEVE, HWS/R PIPING, THERMOSTAT, CONTROLS AND SUPPORTS SHALL BE REMOVED IN THEIR ENTIRETY. (E) WALL OPENING SHALL BE MODIFIED TO ACCOMMODATE NEW UV WALL LOUVER. PATCH UNUSED WALL OPENING PER ARCHITECTURAL DETAILS.
- 2 (E) FTR AND ASSOCIATED PIPING, VALVES, ENCLOSURE & APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. PATCH AND PAINT WALL/FLOOR TO MATCH EXISTING.
- 3 (E) CLASSROOM SHELVING SHALL BE REMOVED BY ASBESTOS ABATEMENT SUBCONTRACTOR. REFER TO ASBESTOS ABATEMENT SPECIFICATION FOR ADDITIONAL INFORMATION AND EXACT LOCATIONS.
- 4 (E) RECESSED WALL CUH, HWS/R PIPING, ASSOCIATED CONTROLS, SUPPORTS & APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY. INFILL AND PAINT WALL PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 5 (E) CEILING MOUNTED CUH, HWS/R PIPING, ASSOCIATED CONTROLS, SUPPORTS & APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY. PATCH/FILL-IN (E) CEILING GRID TO MATCH ADJACENT. PROVIDE NEW T-BAR AND CEILING TILES AS REQUIRED.
- 6 (E) HWS/R DISTRIBUTION PIPING TO BE REMOVED IN ITS ENTIRETY. INCLUDE BRANCH PIPING UNLESS SPECIFIED.
- 7 (E) TRANSFER GRILLE AND ASSOCIATED DUCTWORK SHALL BE REMOVED IN THEIR ENTIRETY. INFILL AND PAINT WALL PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 8 (E) WINDOW AC UNIT SHALL REMAIN IN SERVICE.
- 9 (E) DUCTLESS INDOOR AC UNIT AND ASSOCIATED ROOF MOUNTED CONDENSING UNIT, CONTROLS, REFRIGERANT PIPING AND SUPPORTS SHALL BE REMOVED IN THEIR ENTIRETY. RECOVER REFRIGERANT PER LATEST EPA/DEF STANDARDS PRIOR TO DEMOLITION WORK. PATCH AND PAINT WALL PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 10 (E) TRANSFER GRILLES TO REMAIN. FOLLOW ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 11 (E) AHU, ASSOCIATED CONTROLS, AIR DEVICES, DUCTWORK, HWS/R PIPING, AND APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY. (E) LOUVER SHALL BE REMOVED. PATCH (E) WALL OPENING PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 12 (E) EXHAUST FAN AND ASSOCIATED GRILLES, DUCTWORK AND CONTROLS SHALL BE REMOVED. ASSOCIATED LOUVER SHALL BE REMOVED. PATCH (E) WALL OPENING PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 13 (E) DUCT HEATER AND ASSOCIATED DUCTWORK, SUPPORTS, CONTROLS AND APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY.
- 14 (E) RECESSED WALL CUH, HWS/R PIPING, ASSOCIATED CONTROLS, SUPPORTS & APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY.
- 15 (E) TRANSFER GRILLE AND ASSOCIATED DUCTWORK SHALL BE REMOVED IN THEIR ENTIRETY. REUTILIZE (E) WALL OPENING.
- 16 (E) FTR SHALL BE ABANDONED IN PLACE. REMOVE (E) CONTROLS AND CAP HWS/R PIPING BACK TO MAINS WATER TIGHT. PATCH (E) WALL/FLOOR OPENINGS PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.

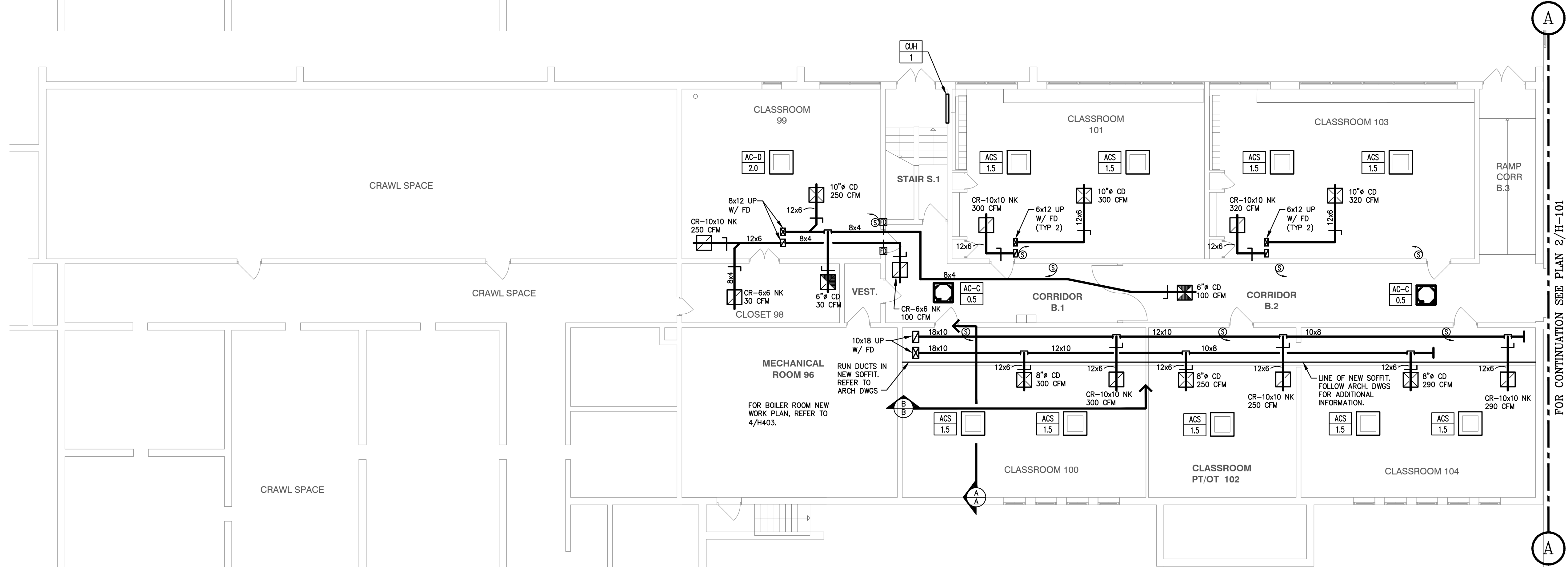
HVAC DEMOLITION GENERAL NOTES

1. (E) CEILINGS WILL BE REMOVED AND REPLACED WITH NEW AS INDICATED BY ARCHITECTURAL DRAWINGS. IN ALL OTHER CASES, CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE (E) CEILINGS AS REQUIRED TO INSTALL NEW WORK, TEMPORARILY STORE (E) MATERIALS DURING INSTALLATION OF NEW WORK, AND REINSTALL WHEN NEW WORK IS COMPLETE.
2. DEMOLITION OF DUCTWORK SHALL INCLUDE REMOVAL OF ALL ASSOCIATED INSULATION, AIR DEVICES, DAMPERS, HANGERS AND APPURTENANCES. AFTER REMOVAL, ALL WALL/PARTITION/SLAB OPENINGS SHALL BE INFILLED AND FINISHED WITH MATERIALS THAT MATCH EXISTING.
3. DEMOLITION OF PIPING SHALL INCLUDE THE REMOVAL OF ALL ASSOCIATED INSULATION, VALVES, SPECIALTIES, HANGERS AND APPURTENANCES. AFTER REMOVAL, ALL WALL/PARTITION/SLAB OPENINGS SHALL BE INFILLED AND FINISHED WITH MATERIALS THAT MATCH EXISTING.
4. DEMOLITION OF CONTROLS THROUGHOUT THE RENOVATED SPACES SHALL INCLUDE REMOVAL OF (E) DEVICES, PANELS, TUBING, WIRING, AIR SUPPLY ETC. PATCH/REFINISH WALL AFTER REMOVALS TO MATCH (E) CONSTRUCTION. NOTE THAT (E) CONTROLS IN UNRENOVATED SPACES SHALL REMAIN IN SERVICE.
5. DEMOLITION OF EQUIPMENT SHALL INCLUDE REMOVAL OF ALL ASSOCIATED SUPPORTS, HANGERS, PADS CONTROLS, STARTERS, POWER CIRCUITS, ETC.
6. REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CEILINGS THAT WILL BE REMOVED AND REPLACED IN THEIR ENTIRETY. FOR ALL OTHER SPACES, THE CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY REMOVE AND REPLACE (E) CEILING CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW WORK. WHEREVER PARTIAL OR OUTRIGHT REMOVAL OF CEILINGS IS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY SUPPORT (E) WORK AS SPECIFIED FOR NEW.
7. CONTRACTOR SHALL BE RESPONSIBLE TO REROUTE (E) WORK AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW WORK.
8. REMOVE AND REPLACE HVAC CEILING DEVICES AS REQUIRED TO FACILITATE THE INSTALLATION OF NEW CEILINGS.



1 BASEMENT FLOOR PLAN LEVEL 1 - HVAC DEMOLITION
SCALE 1/8" = 1'-0"

NOTE:
ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE INFILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION.



2 BASEMENT FLOOR PLAN LEVEL 1 - NEW HVAC DUCTWORK
SCALE 1/8" = 1'-0"

NOTES:
1. FIELD MEASURE EACH CLASSROOM TO ENSURE PROPER QUANTITIES AND MEASUREMENTS OF NEW UNDER-WINDOW SHELVING AND FILLER SECTIONS. FOLLOW ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. COORDINATE FINAL LOCATION OF NEW SPACE MOUNTED CONTROL SENSORS WITH EXISTING CONDITIONS.

FOR CONTINUATION SEE PLAN 1/H-101

FOR CONTINUATION SEE PLAN 2/H-101

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REGISTERED PROFESSIONAL ARCHITECT
NJ 21400312100

NJDOE PROJECT NUMBERS
HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
HVAC- G5-6677
ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

ADDRESS:
**LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
PRINT DATE: **18 OCT 2024**
DRAWN BY: **SLB**

SHEET TITLE: **BASEMENT FLOOR PLANS LEVEL 1 - HVAC**

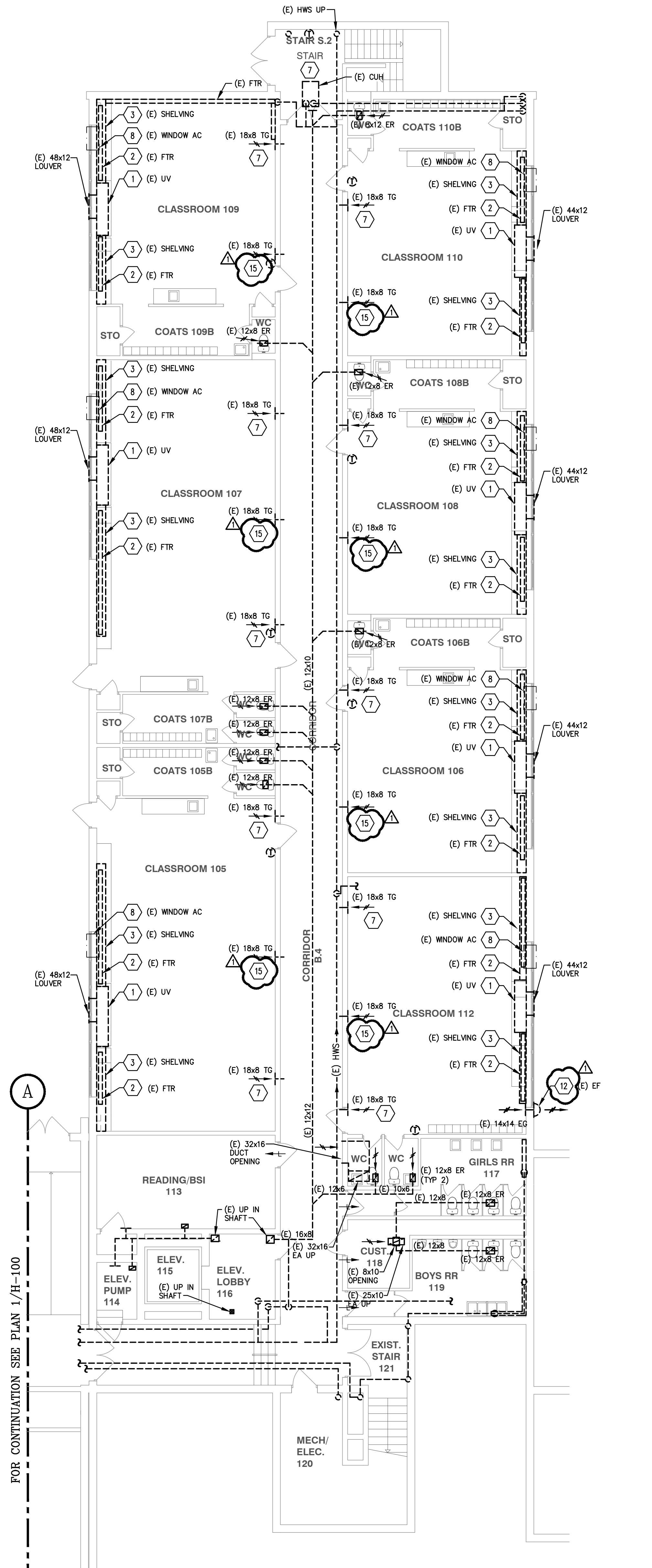
H-100

HVAC DEMOLITION KEY NOTES

- 1 (E) UV AND ASSOCIATED LOUVER, WALL SLEEVE, HWS/R PIPING, THERMOSTAT, CONTROLS AND SUPPORTS SHALL BE REMOVED IN THEIR ENTIRETY. (E) WALL OPENING SHALL BE MODIFIED TO ACCOMMODATE NEW UV WALL LOUVER. PATCH UNUSED WALL OPENING PER ARCHITECTURAL DETAILS.
- 2 (E) FTR AND ASSOCIATED PIPING, VALVES, ENCLOSURE & APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. PATCH AND PAINT WALL/FLOOR TO MATCH EXISTING.
- 3 (E) CLASSROOM SHELVING SHALL BE REMOVED BY ASBESTOS ABATEMENT SUBCONTRACTOR. REFER TO ASBESTOS ABATEMENT SPECIFICATION FOR ADDITIONAL INFORMATION AND EXACT LOCATIONS.
- 4 (E) RECESSED WALL CUH, HWS/R PIPING, ASSOCIATED CONTROLS, SUPPORTS & APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY. INFILL AND PAINT WALL PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 5 (E) CEILING MOUNTED CUH, HWS/R PIPING, ASSOCIATED CONTROLS, SUPPORTS & APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY. PATCH/FILL-IN (E) CEILING GRID TO MATCH ADJACENT. PROVIDE NEW T BAR AND CEILING TILES AS REQUIRED.
- 6 (E) HWS/R DISTRIBUTION PIPING TO BE REMOVED IN ITS ENTIRETY, INCLUDE BRANCH PIPING UNLESS SPECIFIED.
- 7 (E) TRANSFER GRILLE AND ASSOCIATED DUCTWORK SHALL BE REMOVED IN THEIR ENTIRETY. INFILL AND PAINT WALL PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 8 (E) WINDOW AC UNIT SHALL REMAIN IN SERVICE.
- 9 (E) DUCTLESS INDOOR AC UNIT AND ASSOCIATED ROOF MOUNTED CONDENSING UNIT, CONTROLS, REFRIGERANT PIPING AND SUPPORTS SHALL BE REMOVED IN THEIR ENTIRETY. RECOVER REFRIGERANT PER LATEST EPA/DEF STANDARDS PRIOR TO DEMOLITION WORK. PATCH AND PAINT WALL PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 10 (E) TRANSFER GRILLES TO REMAIN. FOLLOW ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 11 (E) 44x12 ASSOCIATED CONTROLS, AIR DEVICES, DUCTWORK, HWS/R PIPING, AND APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY. (E) LOUVER SHALL BE REMOVED. PATCH (E) WALL OPENING PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
- 12 (E) EXHAUST FAN AND ASSOCIATED GRILLES, DUCTWORK AND CONTROLS SHALL BE REMOVED. ASSOCIATED LOUVER SHALL BE REMOVED. PATCH (E) WALL OPENING PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.
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- 14 (E) RECESSED WALL CUH, HWS/R PIPING, ASSOCIATED CONTROLS, SUPPORTS & APPURTENANCES SHALL BE DEMOLISHED IN THEIR ENTIRETY.
- 15 (E) TRANSFER GRILLE AND ASSOCIATED DUCTWORK SHALL BE REMOVED IN THEIR ENTIRETY. REUTILIZE (E) WALL OPENING.
- 16 (E) FTR SHALL BE ABANDONED IN PLACE. REMOVE (E) CONTROLS AND CAP HWS/R PIPING BACK TO MAINS WATER TIGHT. PATCH (E) WALL/FLOOR OPENINGS PER ARCHITECTURAL DETAILS AND SPECIFICATIONS.

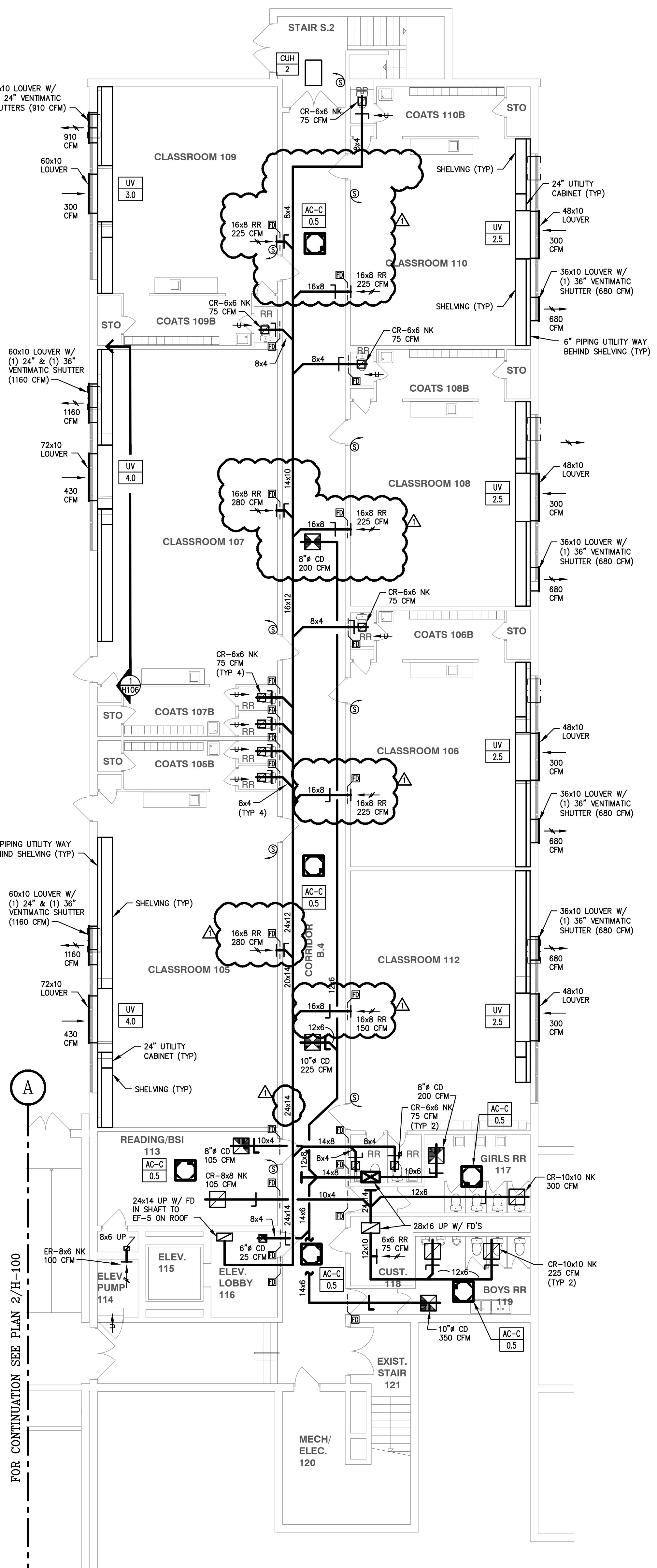
HVAC DEMOLITION GENERAL NOTES

1. (E) CEILING SHALL BE REMOVED AND REPLACED WITH NEW AS INDICATED BY ARCHITECTURAL DRAWINGS. IN ALL OTHER CASES, CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE (E) CEILING AS REQUIRED TO INSTALL NEW WORK, TEMPORARILY STORE (E) MATERIALS DURING INSTALLATION OF NEW WORK, AND REINSTALL WHEN NEW WORK IS COMPLETE.
2. DEMOLITION OF DUCTWORK SHALL INCLUDE REMOVAL OF ALL ASSOCIATED INSULATION, AIR DEVICES, DAMPERS, HANGERS AND APPURTENANCES. AFTER REMOVAL, ALL WALL/PARTITION/SLAB OPENINGS SHALL BE INFILLED AND FINISHED WITH MATERIALS THAT MATCH EXISTING.
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4. DEMOLITION OF CONTROLS THROUGHOUT THE RENOVATED SPACES SHALL INCLUDE REMOVAL OF (E) DEVICES, PANELS, TUBING, WIRING, AIR SUPPLY ETC. PATCH/REFINISH WALL AFTER REMOVALS TO MATCH (E) CONSTRUCTION. NOTE THAT (E) CONTROLS IN UNRENOVATED SPACES SHALL REMAIN IN SERVICE.
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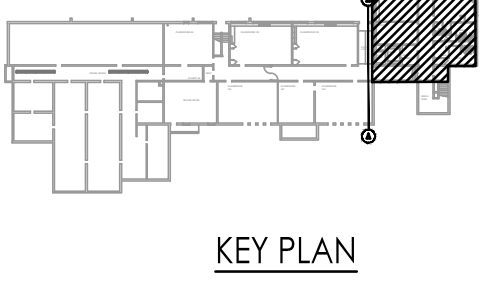
1 BASEMENT FLOOR PLAN LEVEL 2 - HVAC DEMOLITION
SCALE 1/8" = 1'-0"

NOTE:
ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE INFILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION.



2 BASEMENT FLOOR PLAN LEVEL 2 - NEW HVAC DUCTWORK
SCALE 1/8" = 1'-0"

NOTES:
1. FIELD MEASURE EACH CLASSROOM TO ENSURE PROPER QUANTITIES AND MEASUREMENTS OF NEW UNDER-WINDOW SHELVING AND FILLER SECTIONS. FOLLOW ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. COORDINATE FINAL LOCATION OF NEW SPACE MOUNTED CONTROL SENSORS WITH EXISTING CONDITIONS.



KEY PLAN

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NEW JERSEY 06550

Frank Tindall, P.E.
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NJDOE PROJECT NUMBERS
HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
HVAC- G5-6677
ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

ADDRESS:
**LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
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DRAWN BY: **SLB**

SHEET TITLE: **BASEMENT FLOOR PLANS LEVEL 2 - HVAC**

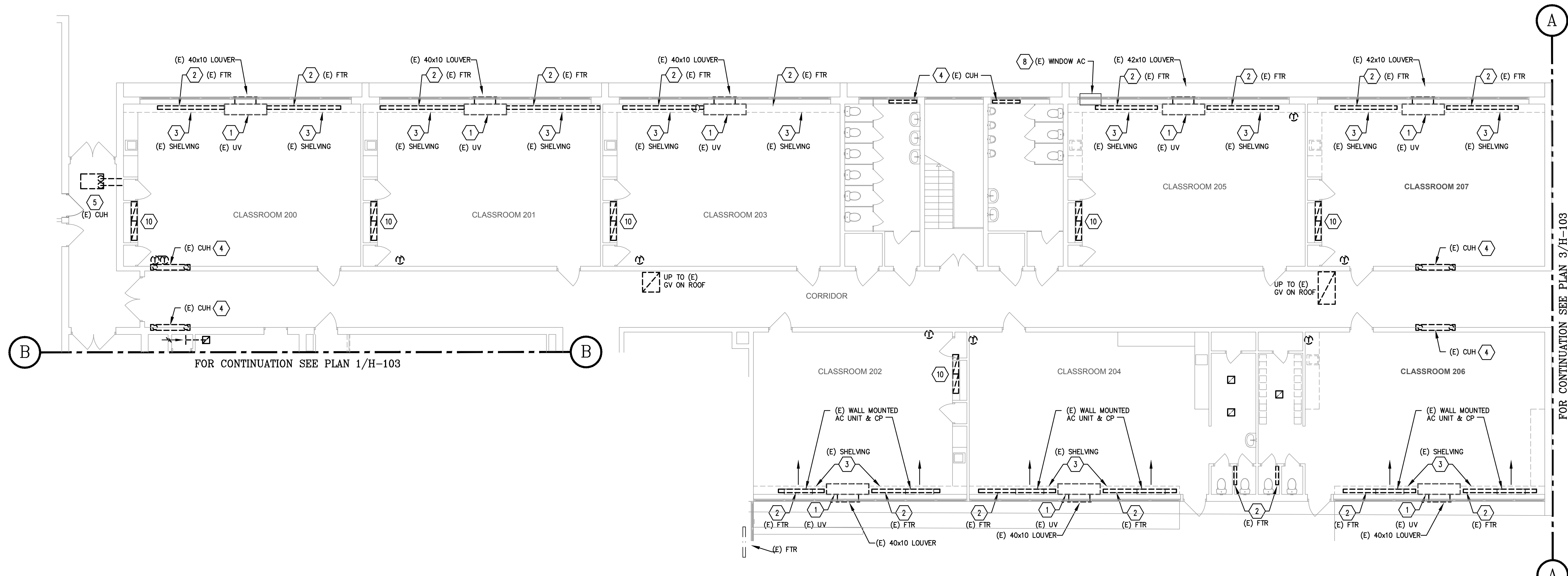
H-101

HVAC DEMOLITION KEY NOTES

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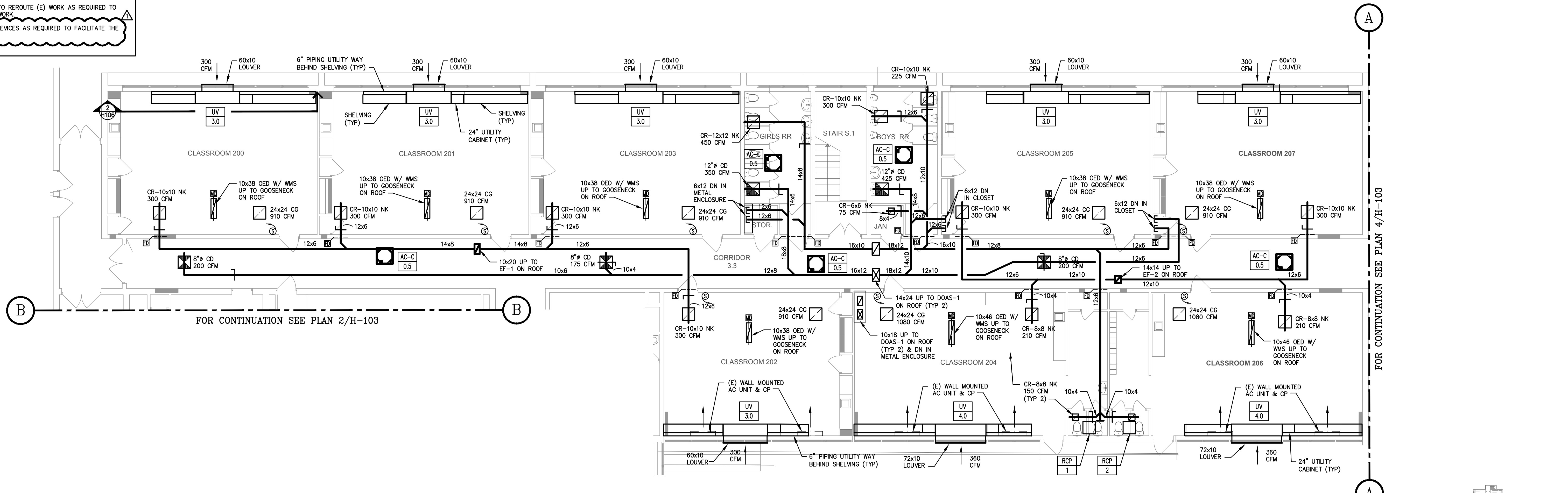
HVAC DEMOLITION GENERAL NOTES

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8. REMOVE AND REPLACE HVAC CEILING DEVICES AS REQUIRED TO FACILITATE THE INSTALLATION OF NEW CEILING.



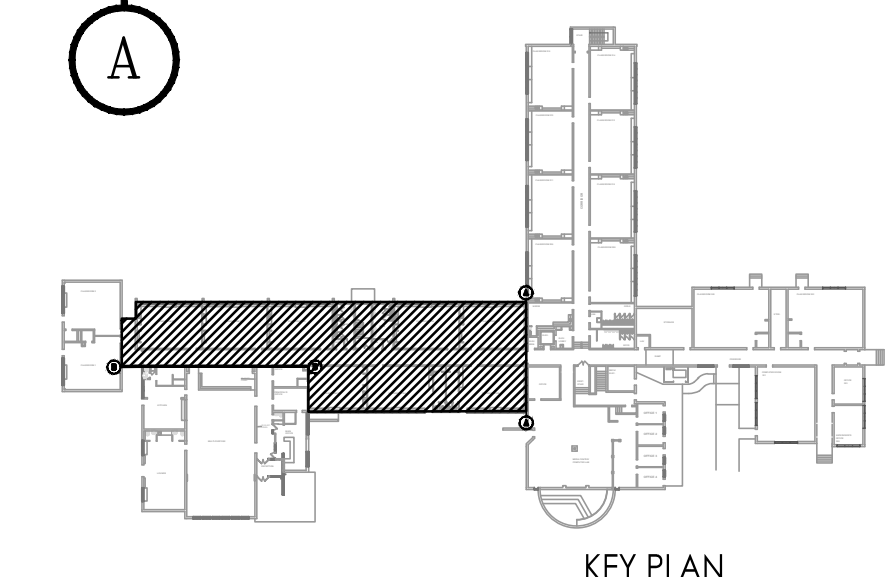
1 FLOOR PLAN LEVEL 3 - HVAC DEMOLITION
 H102 SCALE 1/8" = 1'-0"

NOTE:
 ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE INFILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION.



2 FLOOR PLAN LEVEL 3 - NEW HVAC DUCTWORK
 H102 SCALE 1/8" = 1'-0"

- NOTES:
1. FIELD MEASURE EACH CLASSROOM TO ENSURE PROPER QUANTITIES AND MEASUREMENTS OF NEW UNDER-WINDOW SHELVING AND FILLER SECTIONS. FOLLOW ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
 2. COORDINATE FINAL LOCATION OF NEW SPACE MOUNTED CONTROL SENSORS WITH EXISTING CONDITIONS.



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 PROFESSIONAL ENGINEERS
 710 BOYD STREET, SUITE 200
 PRINCETON, NEW JERSEY 08550

REGAN YOUNG ENGLAND BUTERA
 ARCHITECTS - INTERIORS - SUSTAINABLE
 496 HIGH STREET - 11TH FLOOR, NEW JERSEY 08004 USA
 +1 908 285 2800 (OFFICE) +1 201 991 2110 (MOBILE) +1 908 285 2800 (FAX)

NJDOE PROJECT NUMBER
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBER
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
**BUILDING RENOVATION
 LINDENWOLD SCHOOL**

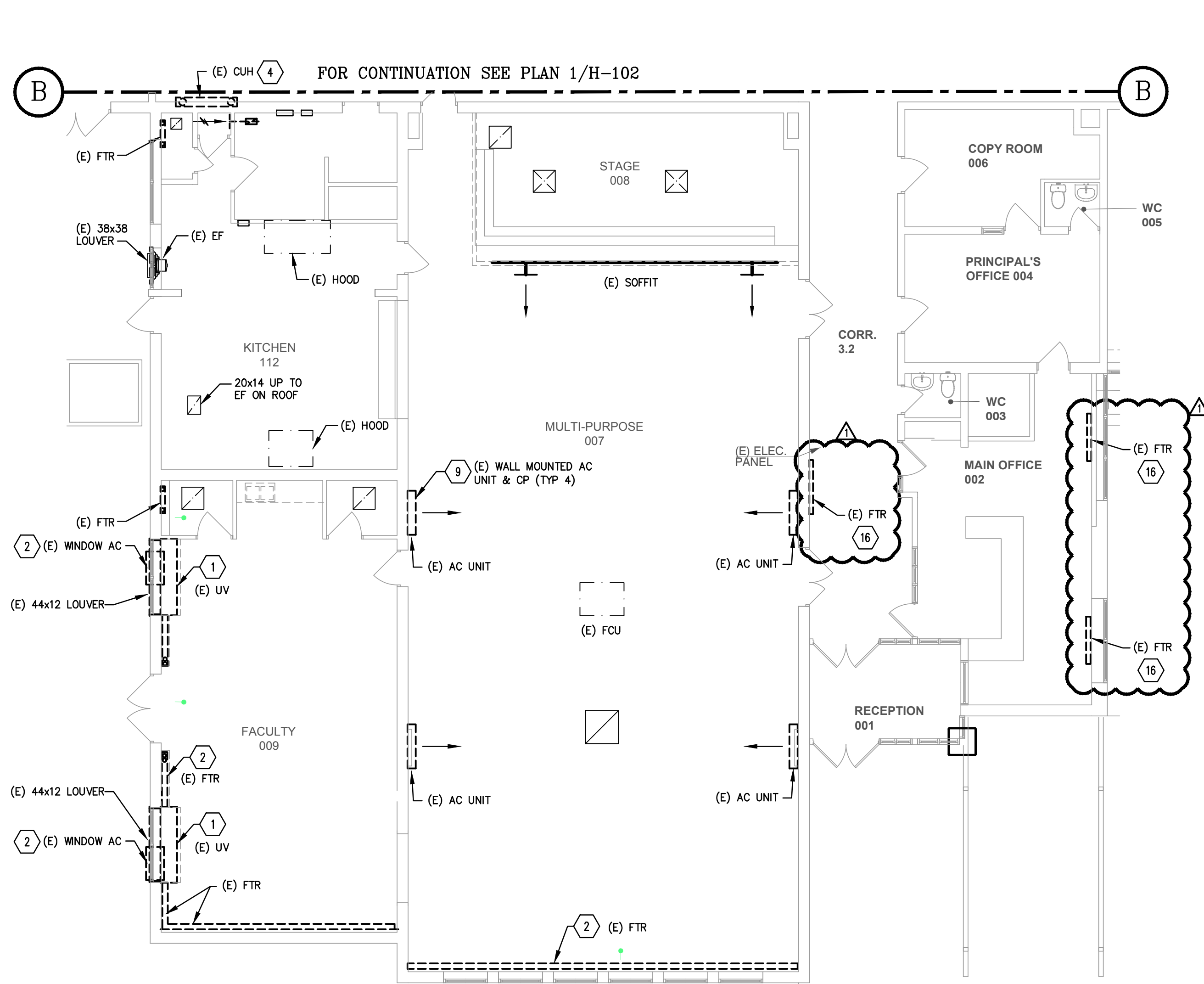
ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, L1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:	
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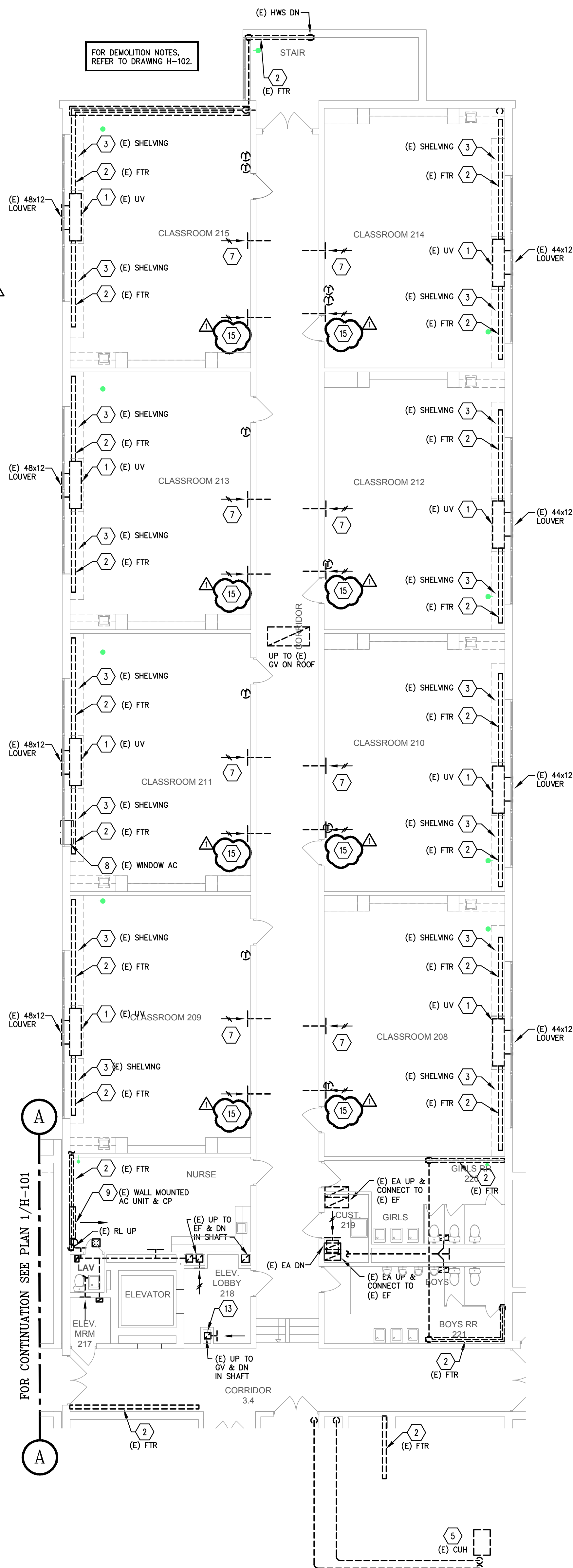
DRAWING DATE:	18 OCT 2024
PRINT DATE:	18 OCT 2024
DRAWN BY:	SLB
SHEET TITLE:	FLOOR PLAN LEVEL HVAC

H-102



1 FLOOR PLAN LEVEL 3 - HVAC DEMOLITION
H103 SCALE 1/8" = 1'-0"

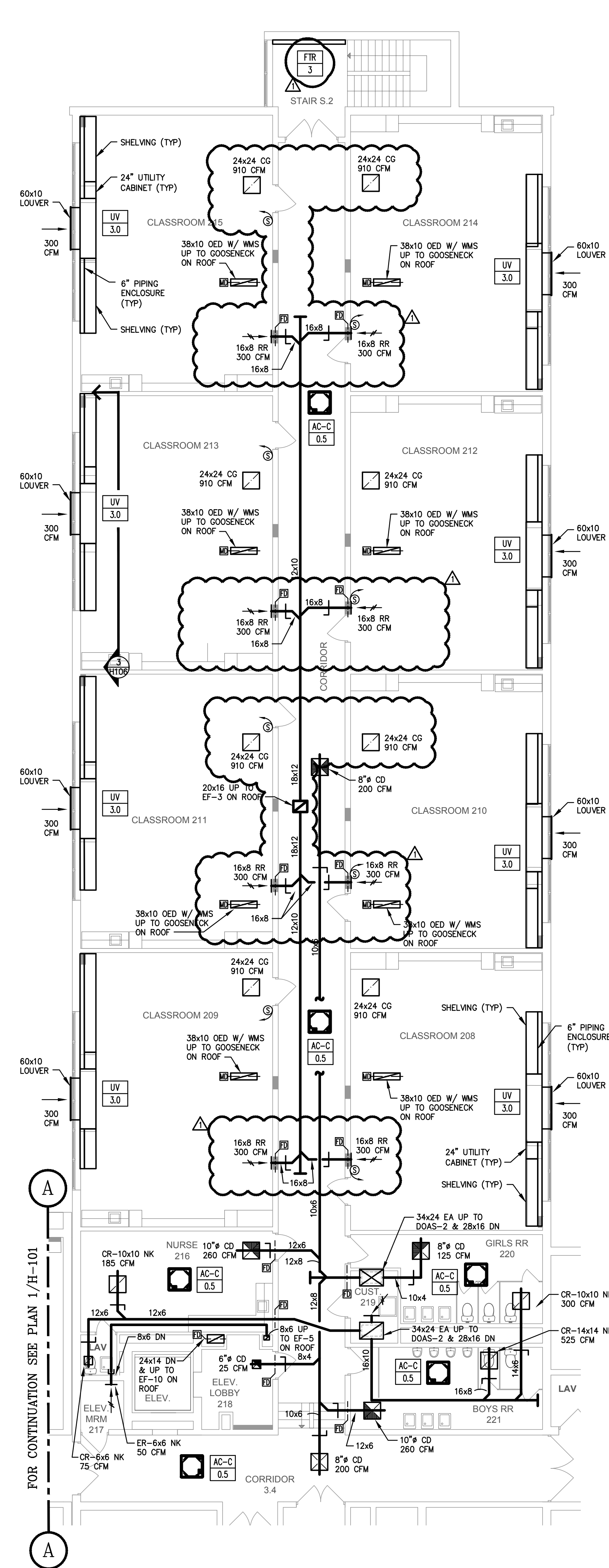
NOTE:
ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE FILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION.



3 FLOOR PLAN LEVELS 3 & 4 - HVAC DEMOLITION
H103 SCALE 1/8" = 1'-0"

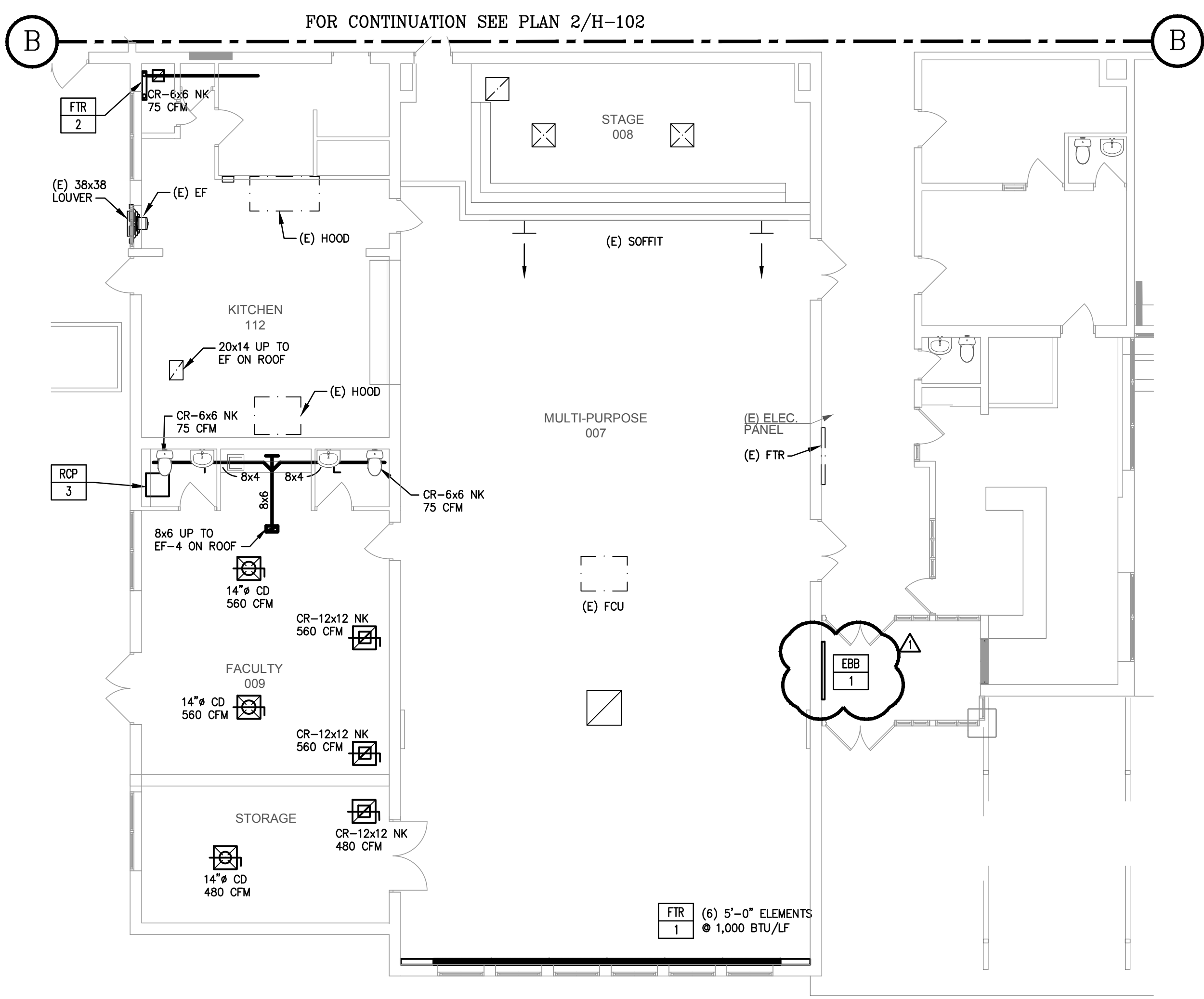
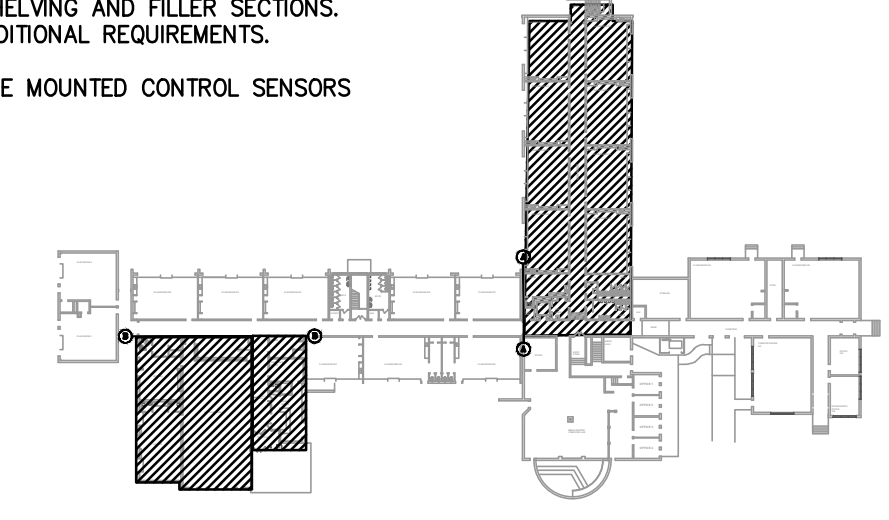
NOTE:
ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE FILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION.

FOR DEMOLITION NOTES, REFER TO DRAWING H-102.



4 FLOOR PLAN LEVELS 3 & 4 - NEW HVAC DUCTWORK
H103 SCALE 1/8" = 1'-0"

NOTES:
1. FIELD MEASURE EACH CLASSROOM TO ENSURE PROPER QUANTITIES AND MEASUREMENTS OF NEW UNDER-WINDOW SHELVEYS AND FILLER SECTIONS. FOLLOW ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. COORDINATE FINAL LOCATION OF NEW SPACE MOUNTED CONTROL SENSORS WITH EXISTING CONDITIONS.



2 FLOOR PLAN LEVEL 3 - NEW HVAC DUCTWORK
H103 SCALE 1/8" = 1'-0"

NOTES:
1. FIELD MEASURE EACH CLASSROOM TO ENSURE PROPER QUANTITIES AND MEASUREMENTS OF NEW UNDER-WINDOW SHELVEYS AND FILLER SECTIONS. FOLLOW ARCHITECTURAL DRAWINGS FOR ADDITIONAL REQUIREMENTS.
2. COORDINATE FINAL LOCATION OF NEW SPACE MOUNTED CONTROL SENSORS WITH EXISTING CONDITIONS.

KELTER & GILLIGO
REGISTERED PROFESSIONAL ENGINEER
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PRINCIPAL OFFICE: NEW JERSEY 08520

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REGAN YOUNG, AIA
21400312100

NJDOE PROJECT NUMBERS
HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
HVAC- G5-6677
ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

ADDRESS:
**LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
PRINT DATE: **18 OCT 2024**
DRAWN BY: **SLB**

SHEET TITLE: **FLOOR PLAN LEVELS 3 & 4 - HVAC**

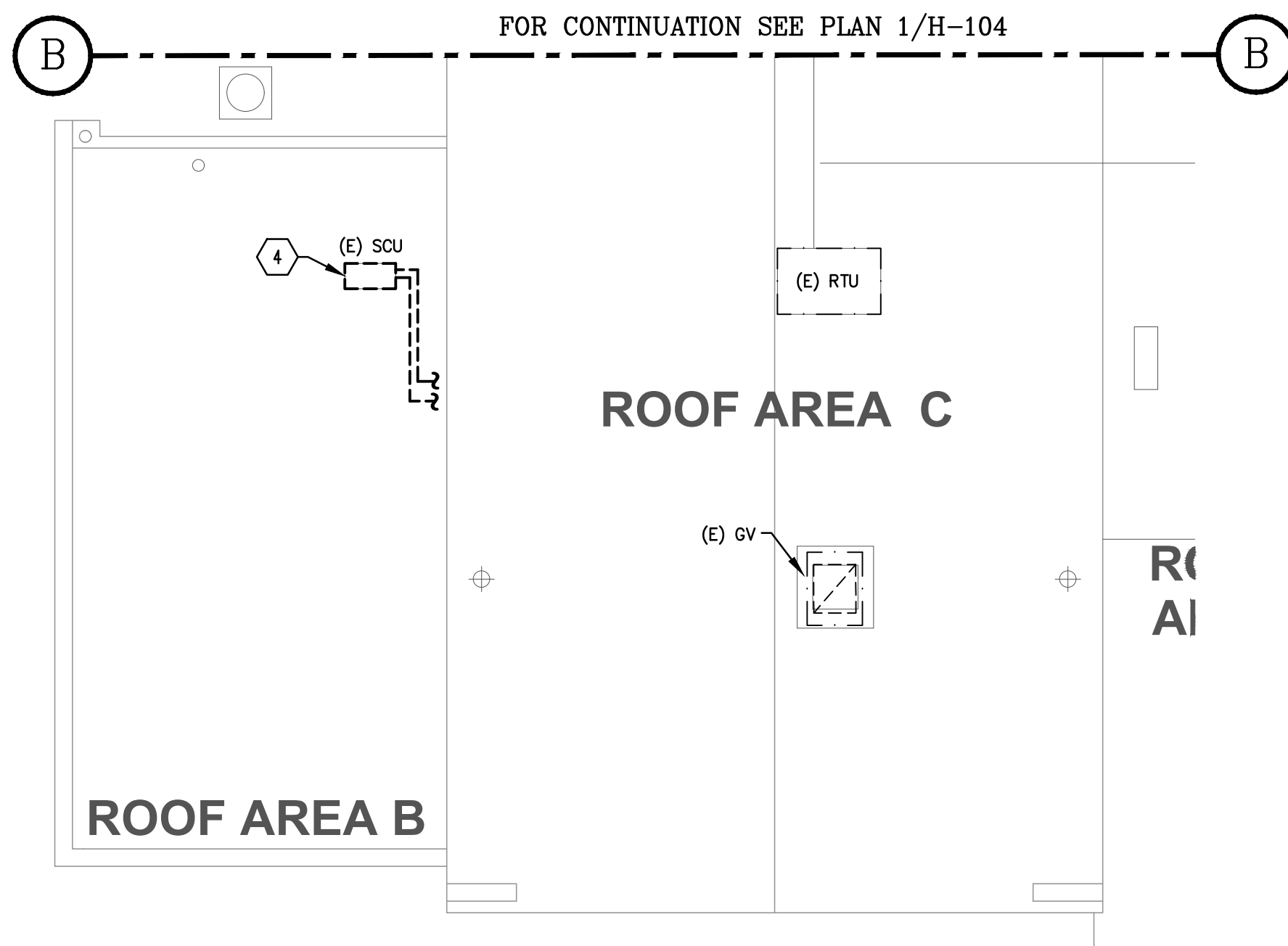
H-103

HVAC DEMOLITION KEY NOTES

- 1 (E) GRAVITY VENTILATOR AND ASSOCIATED ROOF CURB AND DUCTWORK SHALL BE REMOVED IN THEIR ENTIRETY.
- 2 (E) EXHAUST FAN AND ASSOCIATED ROOF CURB, DUCTWORK, AND AIR DEVICES SHALL BE REMOVED IN THEIR ENTIRETY.
- 3 (E) EXHAUST FAN, DUCTWORK AND AIR DEVICES SHALL BE REMOVED IN THEIR ENTIRETY. ASSOCIATED ROOF CURB SHALL BE REVULTEZED/MODIFIED TO ACCOMMODATE NEW DUCTWORK.
- 4 (E) CU, PADS, SUPPORTS, REFRIGERANT PIPING, SLEEVES, CONTROLS & APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. RECOVER REFRIGERANT PER LATEST EPA/DOE STANDARDS PRIOR TO DEMOLITION WORK.
- 5 (E) GRAVITY VENT AND ASSOCIATED ROOF CURB, DUCTWORK, DUCT HEATER, AND AIR DEVICES SHALL BE REMOVED IN THEIR ENTIRETY.

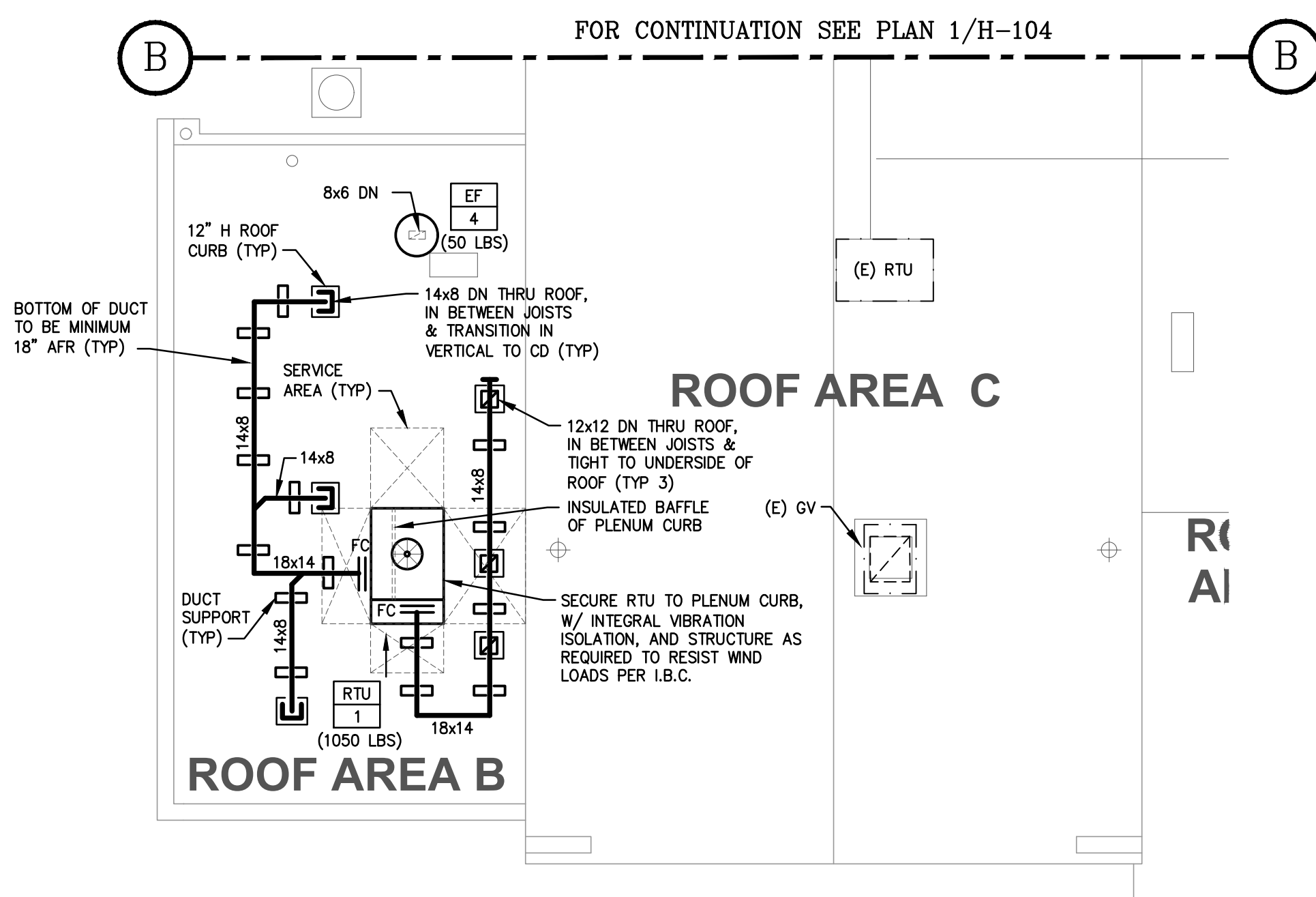
HVAC NEW WORK NOTES

1. ALL SUPPLY AND EXHAUST AIR DUCTWORK ABOVE ROOF SHALL BE PRE-FABRICATED DOUBLE-LAYER DUCTING SYSTEM WITH 0.032" ALUMINUM JACKET WITH R16 KINGSpan KOOL DUCT PANELS THAT ARE UL LISTED AS A CLASS 1 AIR DUCT SYSTEM BY PTM MANUFACTURING, LLC DUAL-TECH TUFF DUCT SYSTEMS OR APPROVED EQUAL. SECURE AND SUPPORT TO ROOF ACCORDING TO CONTRACT DOCUMENTS AND PER MANUFACTURER'S INSTRUCTIONS. RELIEF DUCTWORK SHALL BE GALVANIZED SHEETMETAL.
2. RIN REFRIGERANT PIPING BETWEEN CONDENSER UNIT & CORRESPONDING BRANCH SELECTOR BOX, AND BETWEEN BRANCH SELECTOR BOX AND CORRESPONDING CU. REFER TO PIPING DIAGRAMS ON DWG H401.
3. INSTALL, SIZE, INSULATE, & CHARGE REFRIGERANT LINES PER MANUFACTURER'S INSTRUCTIONS. REFER TO PIPING DIAGRAMS.
4. ALL CHANGES IN DIRECTION OF CONDENSATE PIPING SHALL BE MADE WITH DWV FITTINGS AND PROVIDED WITH A CLEAN OUT, WHETHER INDICATED ON THE PLANS OR NOT.
5. FOLLOW ARCHITECTURAL DRAWINGS FOR NEW WORK/ROOF REPLACEMENT COORDINATION REQUIRED.
6. ALL EQUIPMENT ROOF PENETRATIONS SHALL BE CENTERED BETWEEN EXISTING STRUCTURAL FRAMING MEMBERS. FIELD VERIFY LOCATIONS.
7. ROOF CURBS SHALL BE A MINIMUM OF 12" ABOVE THE FINISHED SURFACE OF ADJACENT ROOF. PROVIDE BUILT-IN METAL CRICKETS (WITH 1/4" PER 1'-0" PITCH) ON THE HIGH SIDE TO DIRECT WATER AROUND THE CURBS.
8. ALL NEW ROOFTOP EQUIPMENT MUST BE LOCATED MORE THAN 10'-0" FROM A ROOF EDGE OR CHANGE IN ROOF LEVELS.



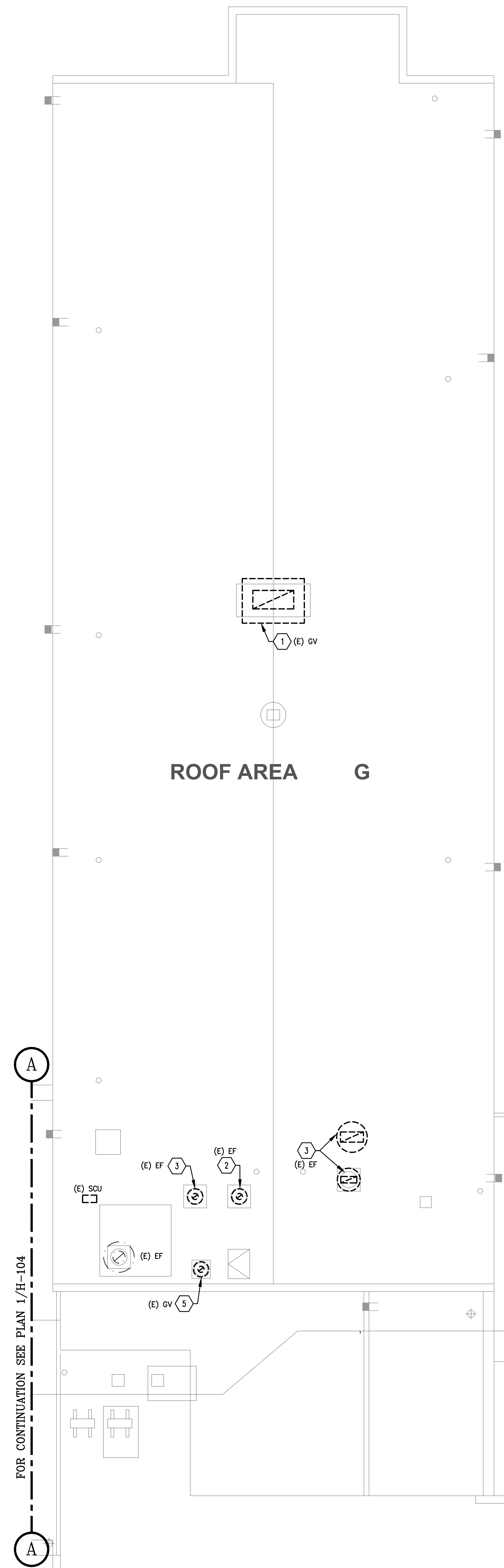
1 PARTIAL ROOF PLAN - HVAC DEMOLITION

SCALE 1/8" = 1'-0"
NOTE:
ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE FILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION



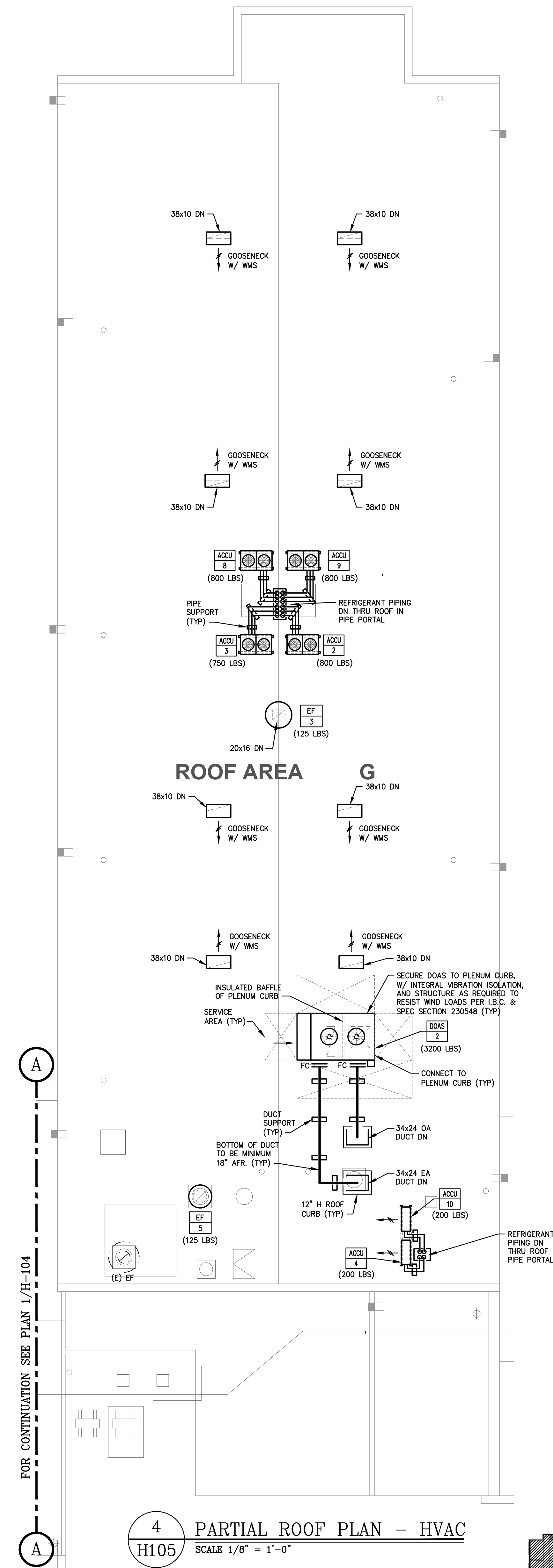
2 PARTIAL ROOF PLAN - HVAC

SCALE 1/8" = 1'-0"



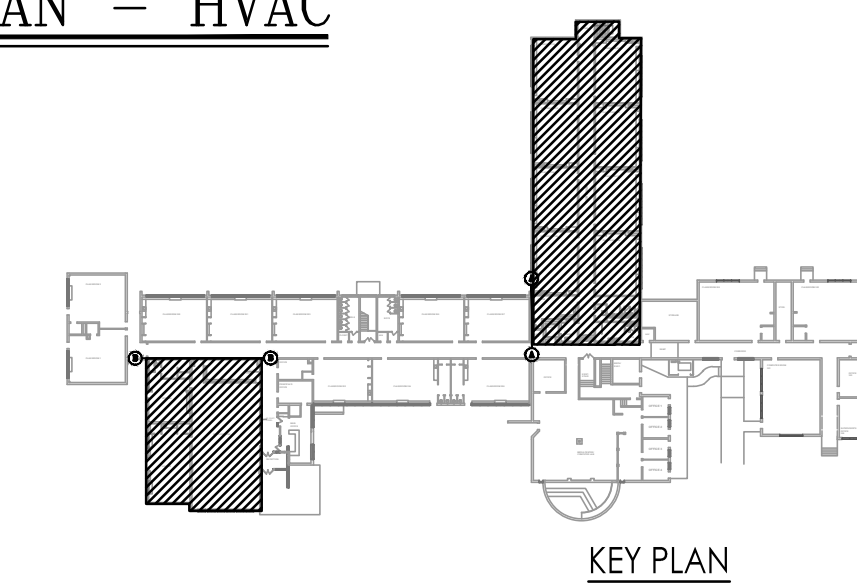
3 PARTIAL ROOF PLAN - HVAC DEMOLITION

SCALE 1/8" = 1'-0"
NOTE:
ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE FILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION, AND TEMPORARY ROOFING TO MAKE WEATHER TIGHT UNTIL NEW ROOFING SYSTEM IS INSTALLED.



4 PARTIAL ROOF PLAN - HVAC

SCALE 1/8" = 1'-0"



KEY PLAN

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PRINCETON JUNCTION, NEW JERSEY 08540

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REGAN YOUNG, AIA
21400101100

NJDOE PROJECT NUMBERS

HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS

HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS

HVAC- G5-6677
ROOF- G5-6676

PROJECT TITLE:

**BUILDING RENOVATION
LINDENWOLD SCHOOL #4**

ADDRESS:
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& BLOCK 66, LOT 1
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PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:

REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**

PRINT DATE: **18 OCT 2024**

DRAWN BY: **SLB**

SHEET TITLE: **PARTIAL ROOF PLANS - HVAC**

H-105



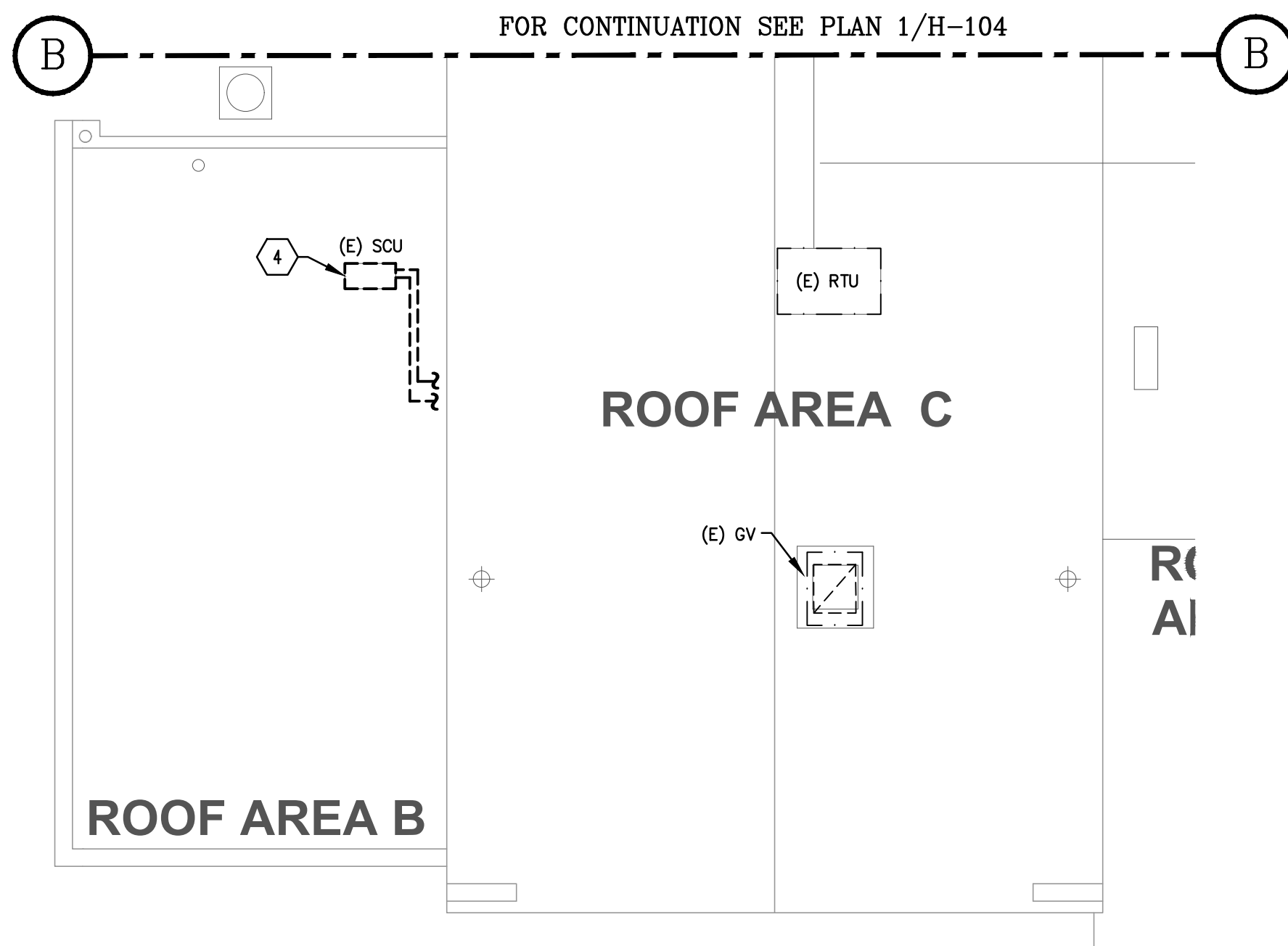
THIS DRAWING FORMATTED TO BE PRINTED FULL SIZE AT 36" x 42" - DO NOT SCALE DRAWINGS

HVAC DEMOLITION KEY NOTES

- 1 (E) GRAVITY VENTILATOR AND ASSOCIATED ROOF CURB AND DUCTWORK SHALL BE REMOVED IN THEIR ENTIRETY.
- 2 (E) EXHAUST FAN AND ASSOCIATED ROOF CURB, DUCTWORK, AND AIR DEVICES SHALL BE REMOVED IN THEIR ENTIRETY.
- 3 (E) EXHAUST FAN, DUCTWORK AND AIR DEVICES SHALL BE REMOVED IN THEIR ENTIRETY. ASSOCIATED ROOF CURB SHALL BE REVUTILIZED/MODIFIED TO ACCOMMODATE NEW DUCTWORK.
- 4 (E) CU, PADS, SUPPORTS, REFRIGERANT PIPING, SLEEVES, CONTROLS & APPURTENANCES SHALL BE REMOVED IN THEIR ENTIRETY. RECOVER REFRIGERANT PER LATEST EPA/DOE STANDARDS PRIOR TO DEMOLITION WORK.
- 5 (E) GRAVITY VENT AND ASSOCIATED ROOF CURB, DUCTWORK, DUCT HEATER, AND AIR DEVICES SHALL BE REMOVED IN THEIR ENTIRETY.

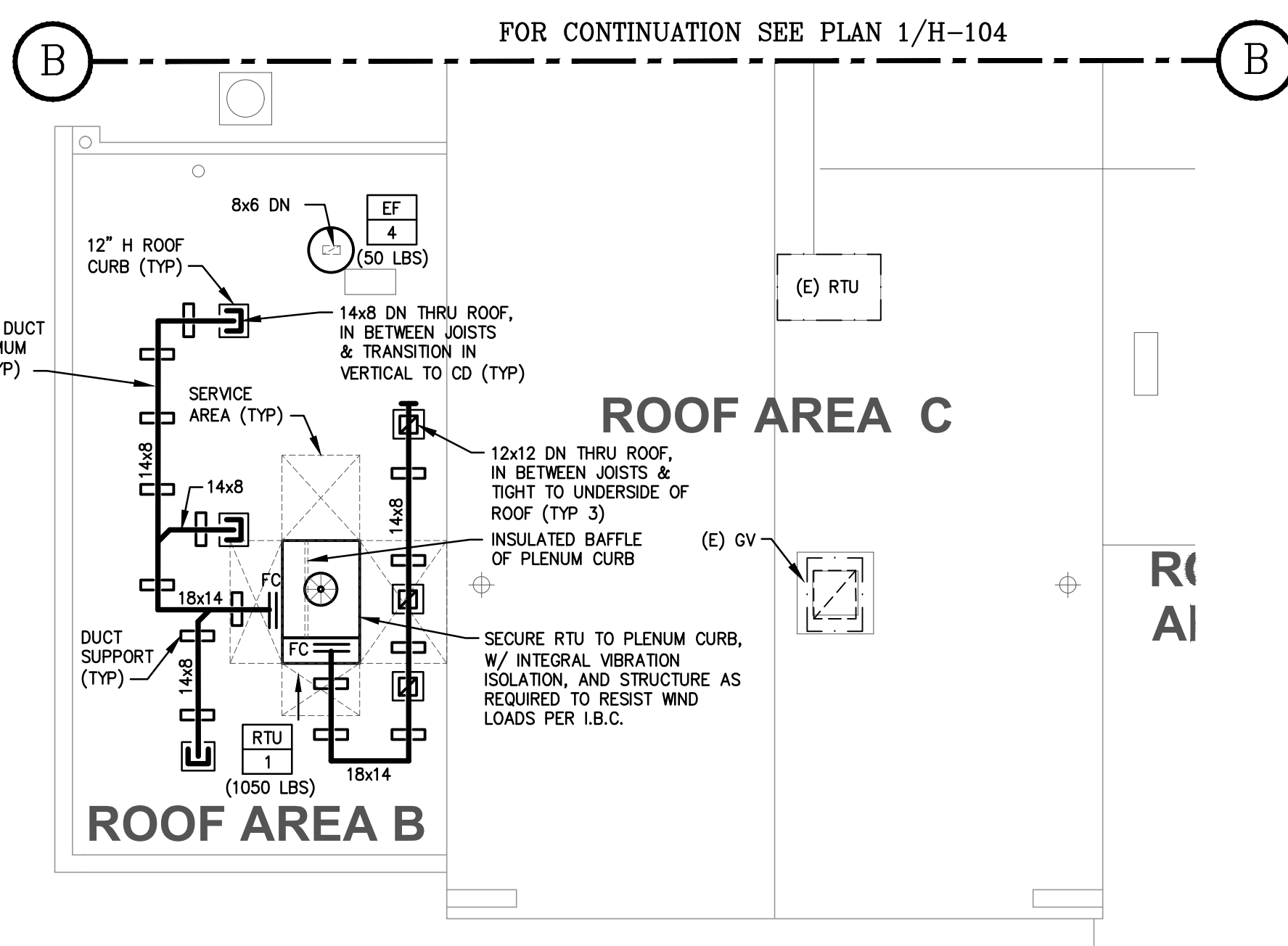
HVAC NEW WORK NOTES

1. ALL SUPPLY AND EXHAUST AIR DUCTWORK ABOVE ROOF SHALL BE PRE-FABRICATED DOUBLE-LAYER DUCTING SYSTEM WITH 0.032" ALUMINUM JACKET WITH R16 KINGSpan KOOL DUCT PANELS THAT ARE UL LISTED AS A CLASS 1 AIR DUCT SYSTEM BY PTM MANUFACTURING, LLC DUAL-TECH TUFF DUCT SYSTEMS OR APPROVED EQUAL. SECURE AND SUPPORT TO ROOF ACCORDING TO CONTRACT DOCUMENTS AND PER MANUFACTURER'S INSTRUCTIONS. RELIEF DUCTWORK SHALL BE GALVANIZED SHEETMETAL.
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3. INSTALL, SIZE, INSULATE, & CHARGE REFRIGERANT LINES PER MANUFACTURER'S INSTRUCTIONS. REFER TO PIPING DIAGRAMS.
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5. FOLLOW ARCHITECTURAL DRAWINGS FOR NEW WORK/ROOF REPLACEMENT COORDINATION REQUIRED.
6. ALL EQUIPMENT ROOF PENETRATIONS SHALL BE CENTERED BETWEEN EXISTING STRUCTURAL FRAMING MEMBERS. FIELD VERIFY LOCATIONS.
7. ROOF CURBS SHALL BE A MINIMUM OF 12" ABOVE THE FINISHED SURFACE OF ADJACENT ROOF. PROVIDE BUILT-IN METAL CRICKETS (WITH 1/4" PER 1'-0" PITCH) ON THE HIGH SIDE TO DIRECT WATER AROUND THE CURBS.
8. ALL NEW ROOFTOP EQUIPMENT MUST BE LOCATED MORE THAN 10'-0" FROM A ROOF EDGE OR CHANGE IN ROOF LEVELS.



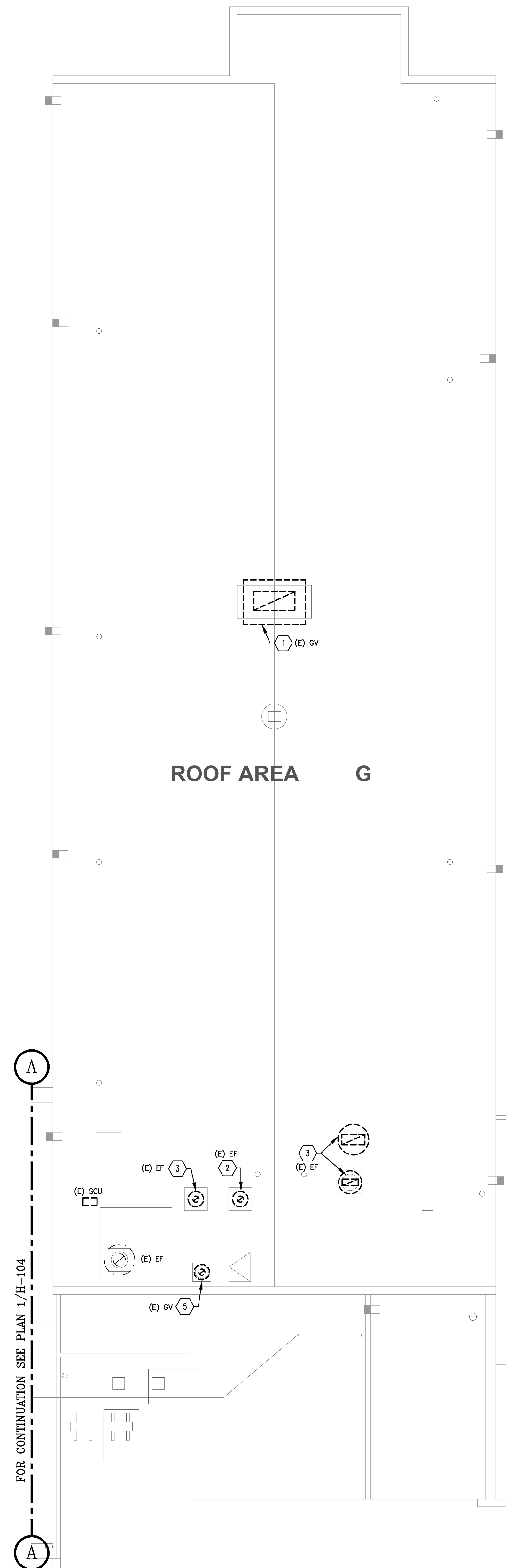
1 PARTIAL ROOF PLAN - HVAC DEMOLITION

SCALE 1/8" = 1'-0"
 NOTE:
 ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE INFILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION



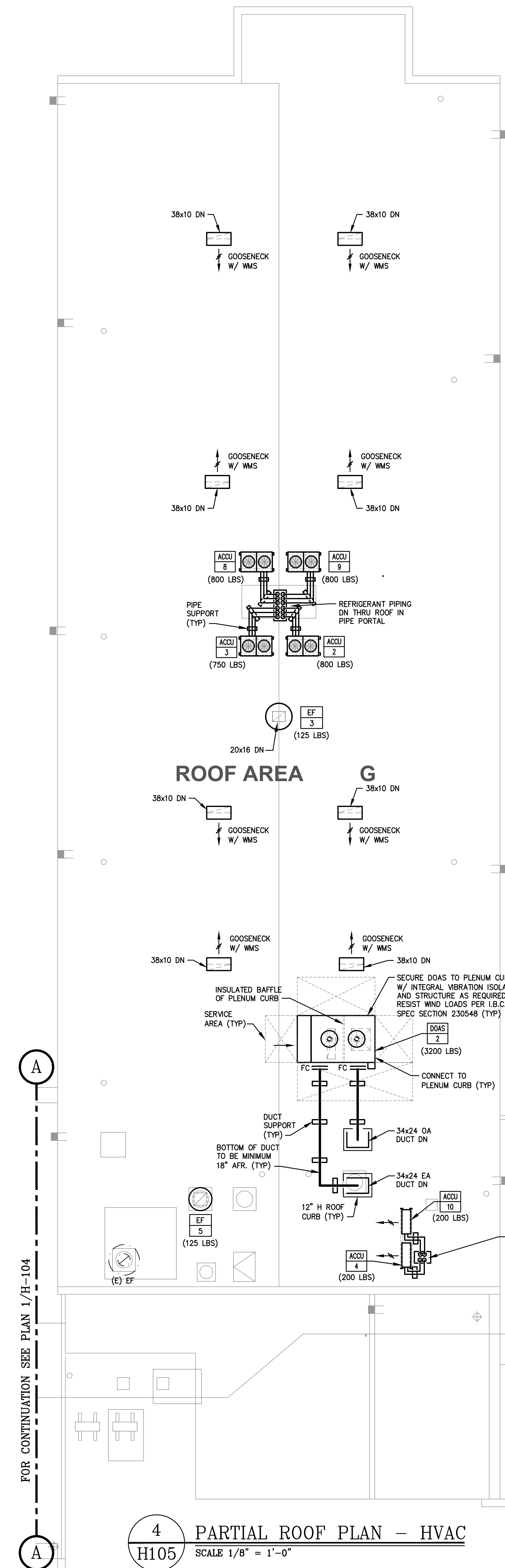
2 PARTIAL ROOF PLAN - HVAC

SCALE 1/8" = 1'-0"



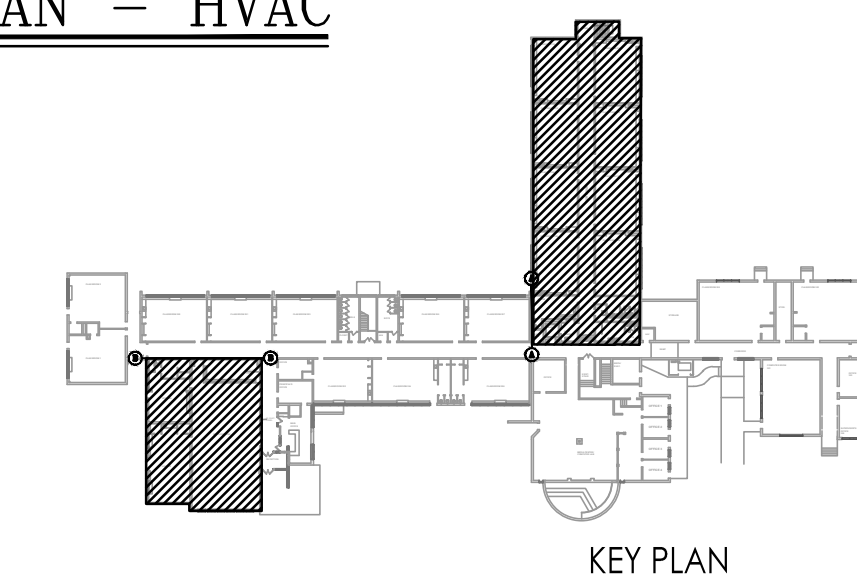
3 PARTIAL ROOF PLAN - HVAC DEMOLITION

SCALE 1/8" = 1'-0"
 NOTE:
 ALL DEMOLISHED DUCTS AND OTHER PENETRATIONS SHALL BE INFILLED WITH SAME MATERIAL AS ADJACENT CONSTRUCTION, AND TEMPORARY ROOFING TO MAKE WEATHER TIGHT UNTIL NEW ROOFING SYSTEM IS INSTALLED.



4 PARTIAL ROOF PLAN - HVAC

SCALE 1/8" = 1'-0"



KEY PLAN

KELTER & GILLIGO
 PROFESSIONAL ENGINEER
 P.E. #00 872 185 8400
 1000 WASHINGTON BLVD
 PRINCETON JUNCTION, NEW JERSEY 08502

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 ARCHITECTURE + INTERIORS
 458 HIGH STREET - 4TH FLOOR, NEW JERSEY 08602 USA
 +1 908 996 2662 / 908 996 2663 FAX +1 908 996 2664
 WWW.RYEA.COM

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

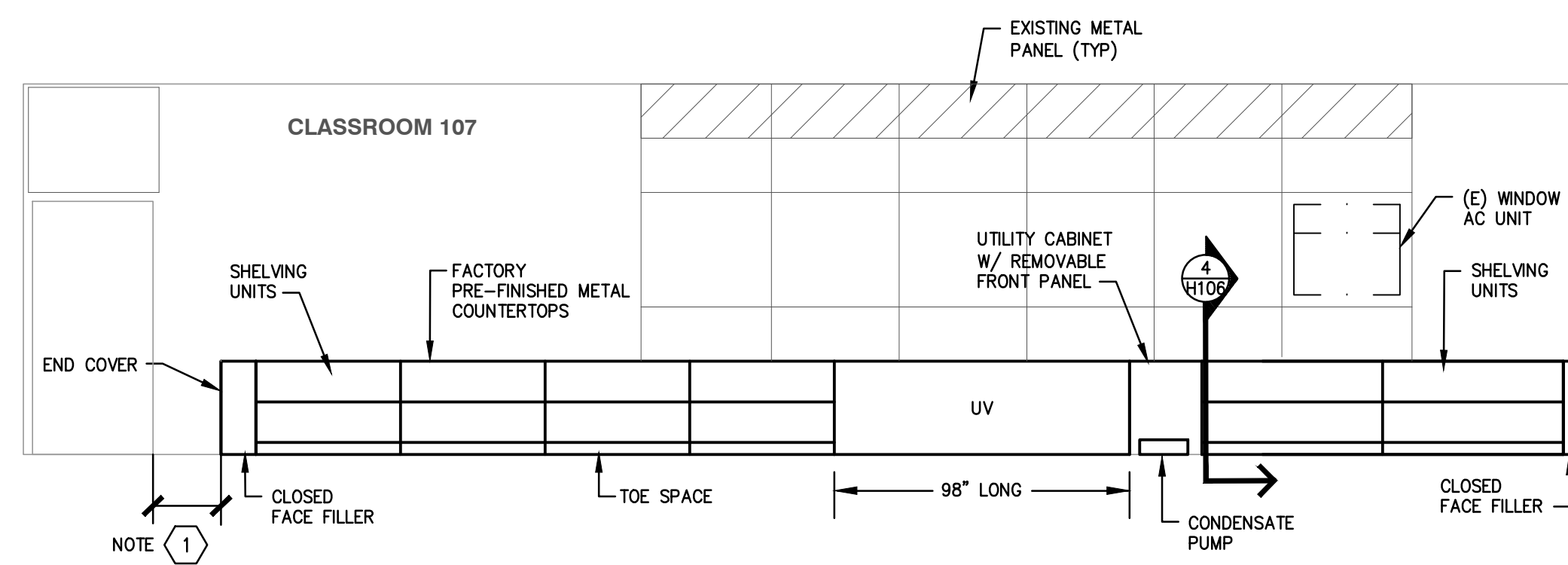
PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
 REVISION DATE: **18 FEB 2025**

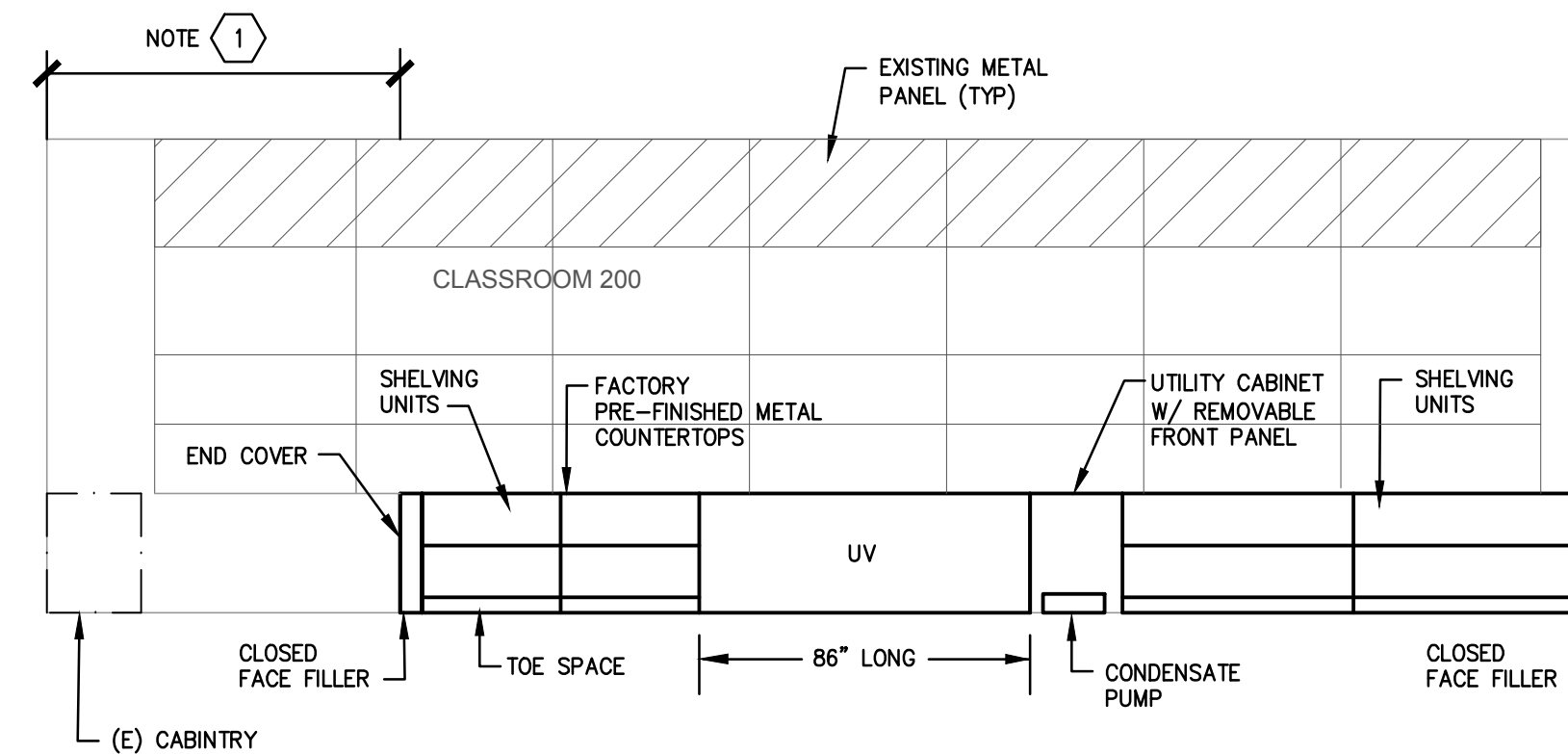
DRAWING DATE: **18 OCT 2024**
 PRINT DATE: **18 OCT 2024**
 DRAWN BY: **SLB**

SHEET TITLE: **PARTIAL ROOF PLANS - HVAC**

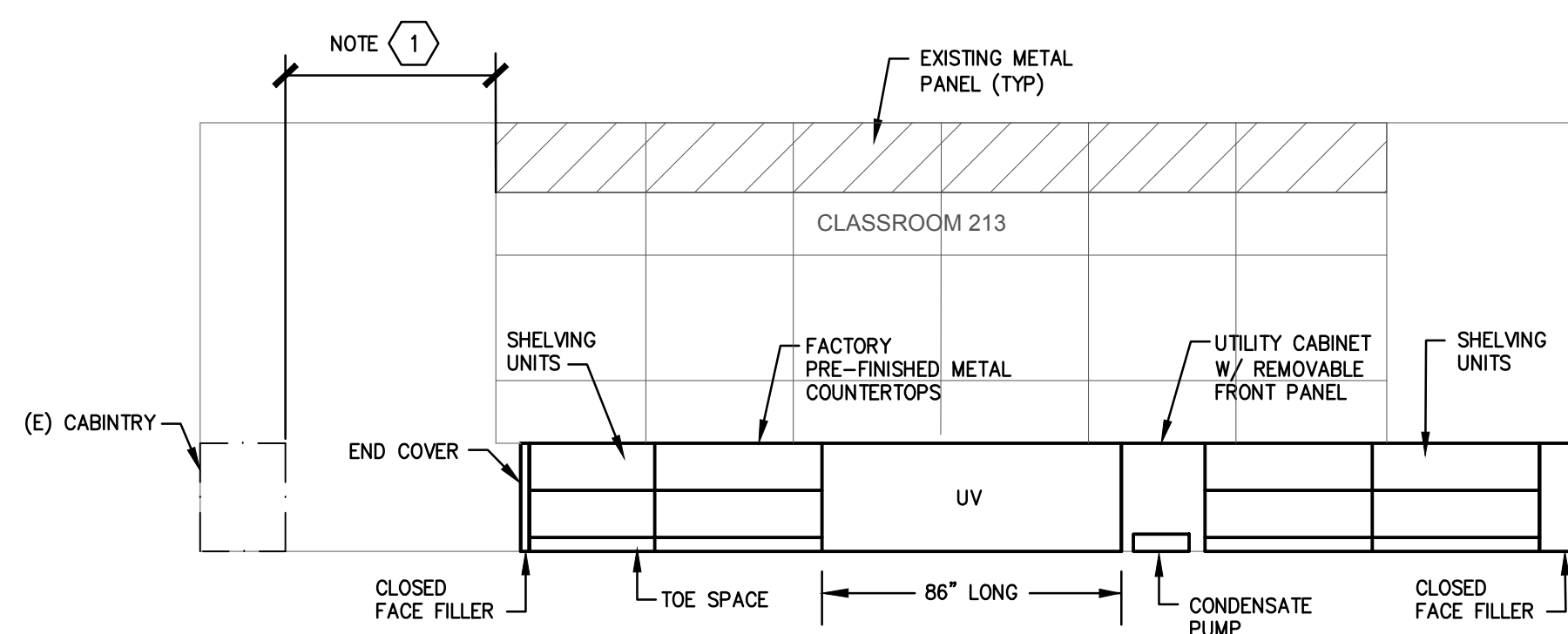
H-105



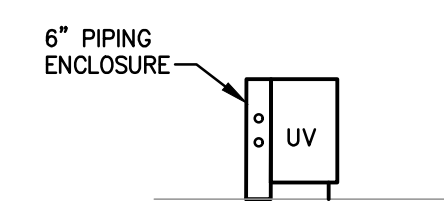
1 **SHELVING ELEVATION DETAIL**
H106 SCALE 1/4" = 1'-0"



2 **SHELVING ELEVATION DETAIL**
H106 SCALE 1/4" = 1'-0"



3 **SHELVING ELEVATION DETAIL**
H106 SCALE 1/4" = 1'-0"



4 **UV ELEVATION DETAIL**
H106 SCALE 1/4" = 1'-0"

NOTE:
 1. REFER TO PIPING DRAWINGS FOR PIPE SIZES AND QUANTITIES.

KEY NOTES

① FOLLOW ARCHITECTURAL DRAWINGS FOR CLEAR SPACE DIMENSIONS AND REQUIREMENTS.

GENERAL NOTES

1. COORDINATE SHELVING LAYOUTS WITH ARCHITECTURAL DRAWINGS. (TYP)
 2. FIELD MEASURE EACH ROOM AND PROVIDE DETAILED SHOP DRAWINGS OF LAYOUTS.

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 ARCHITECTS
 100 WEST WASHINGTON STREET
 PRINCETON, NJ 08540

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 21400112100

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
**BUILDING RENOVATION
 LINDENWOLD SCHOOL #4**

ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
 REVISION DATE: **△ 18 FEB 2025**

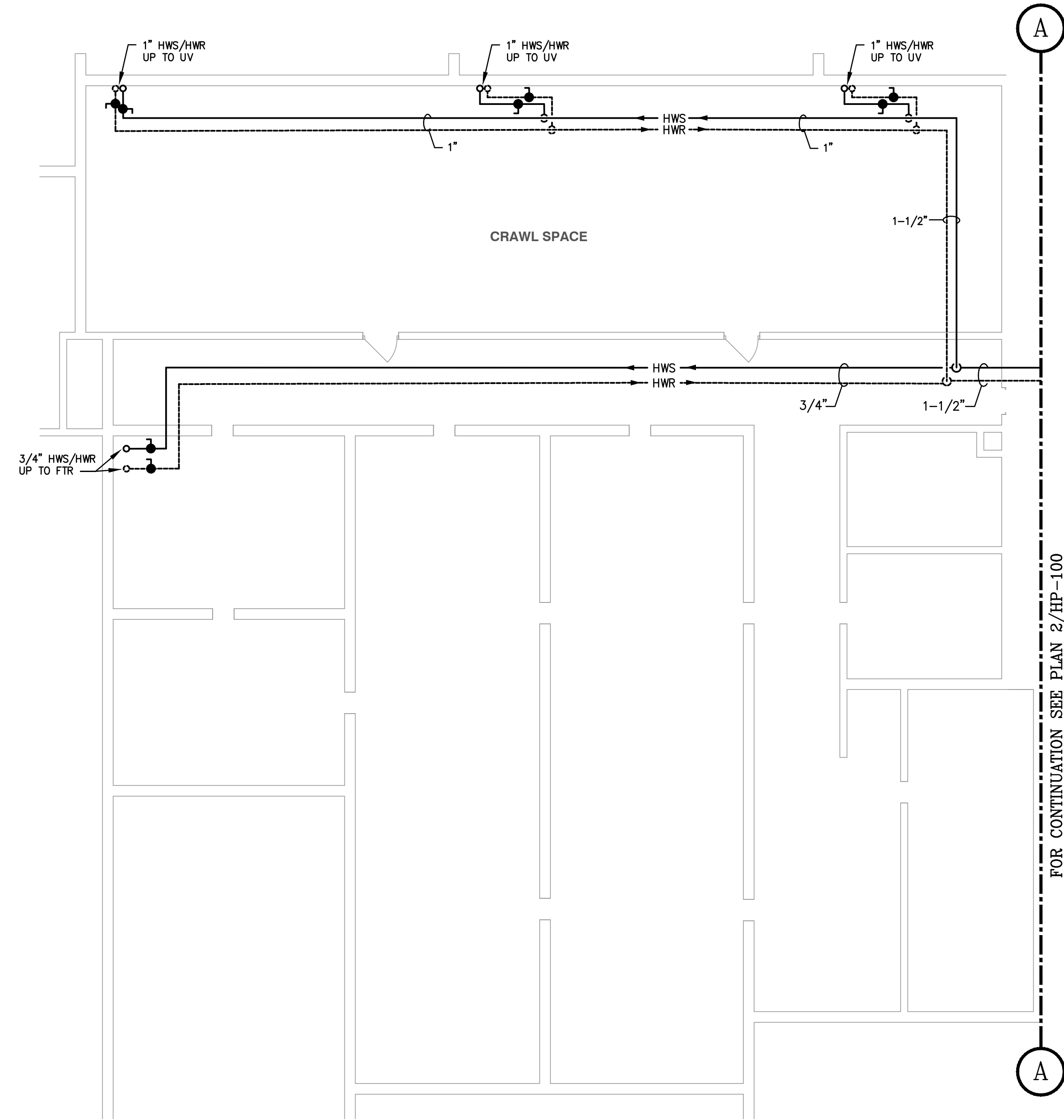
DRAWING DATE: **18 OCT 2024**
 PRINT DATE: **18 OCT 2024**
 DRAWN BY: **SLB**
 SHEET TITLE: **SHELVING ELEVATION
 DETAILS - HVAC**

H-106

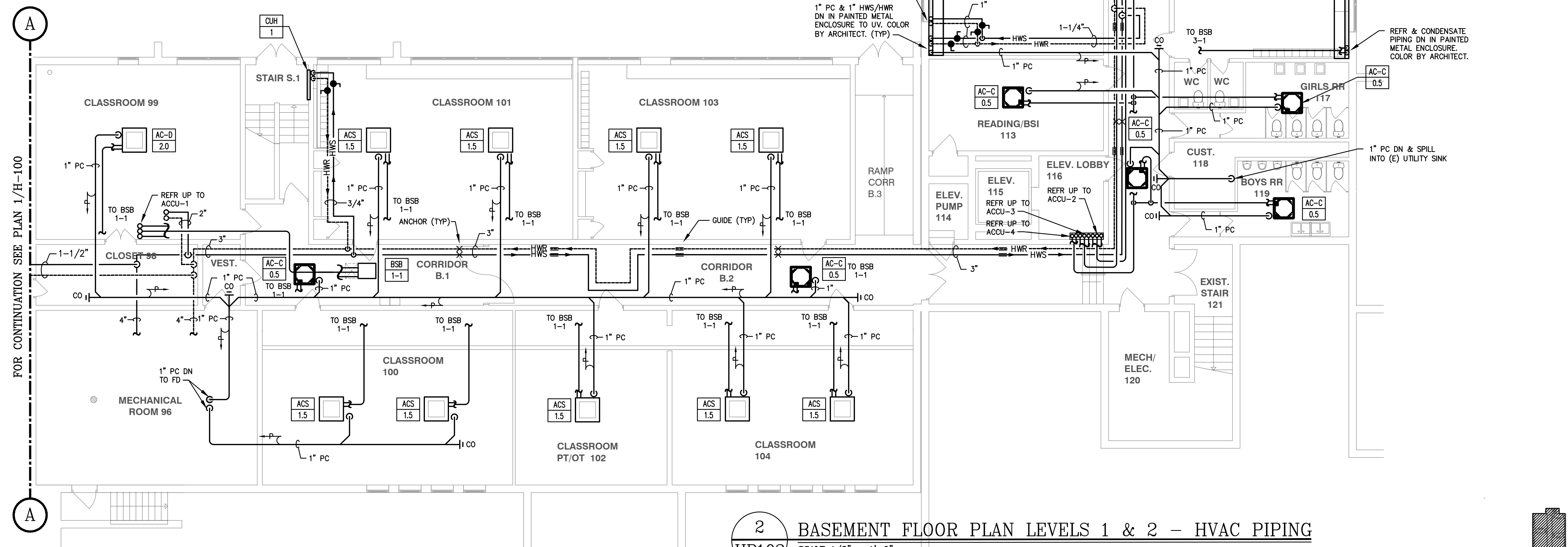
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THIS DRAWING FORMATTED TO BE PRINTED FULL SIZE AT 36" x 42" - DO NOT SCALE DRAWINGS



1 CRAWL SPACE FLOOR PLAN – HVAC PIPING
 SCALE 1/8" = 1'-0"
 NOTES:
 1. -



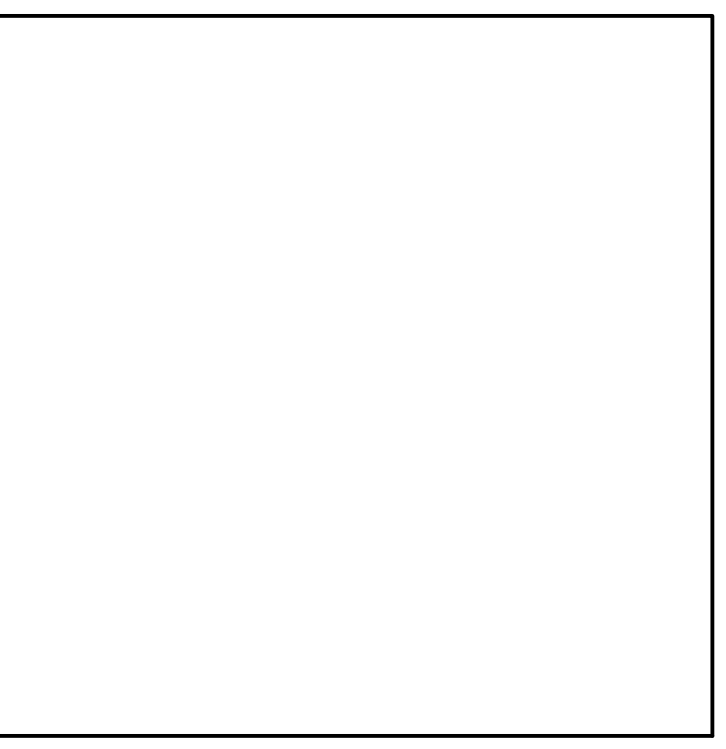
2 BASEMENT FLOOR PLAN LEVELS 1 & 2 – HVAC PIPING
 SCALE 1/8" = 1'-0"
 NOTES:
 1. RUN REFRIGERANT PIPING BETWEEN EACH VRY AC UNIT & CORRESPONDING BRANCH SELECTOR BOX, AND BETWEEN BRANCH SELECTOR BOX AND CORRESPONDING CU. REFER TO ACCU PIPING DIAGRAMS.
 2. INSTALL, SIZE, INSULATE, & CHARGE REFRIGERANT LINES PER MANUFACTURER'S INSTRUCTIONS. REFER TO ACCU PIPING DIAGRAMS.
 3. ALL CHANGES IN DIRECTION OF CONDENSATE PIPING SHALL BE MADE WITH FITTINGS PROVIDED WITH A CLEAN OUT, WHETHER INDICATED ON THE PLANS OR NOT.

KEY PLAN

Plot Area: 14' x 20' = 280 sq. ft.
 Drawing: 31/2" x 42" = 130.0 x 170.0 mm



THIS DRAWING FORMATTED TO BE PRINTED FULL SIZE AT 36" x 42" - DO NOT SCALE DRAWINGS



KELTER & GILLOGO
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 PRINCETON, NJ 08540
 FRANK TINDALL, P.E.
 PROFESSIONAL ENGINEER
 NO. 38665

REGAN YOUNG ENGLAND BUTERA
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 458 HIGH STREET - 4TH FLOOR NEW JERSEY 08602 USA
 1-800-966-2669/2668 FAX: 1-609-910-1100 - RYEBREAD.COM
 REGAN YOUNG, AIA
 21A00312100

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501
NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM
NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

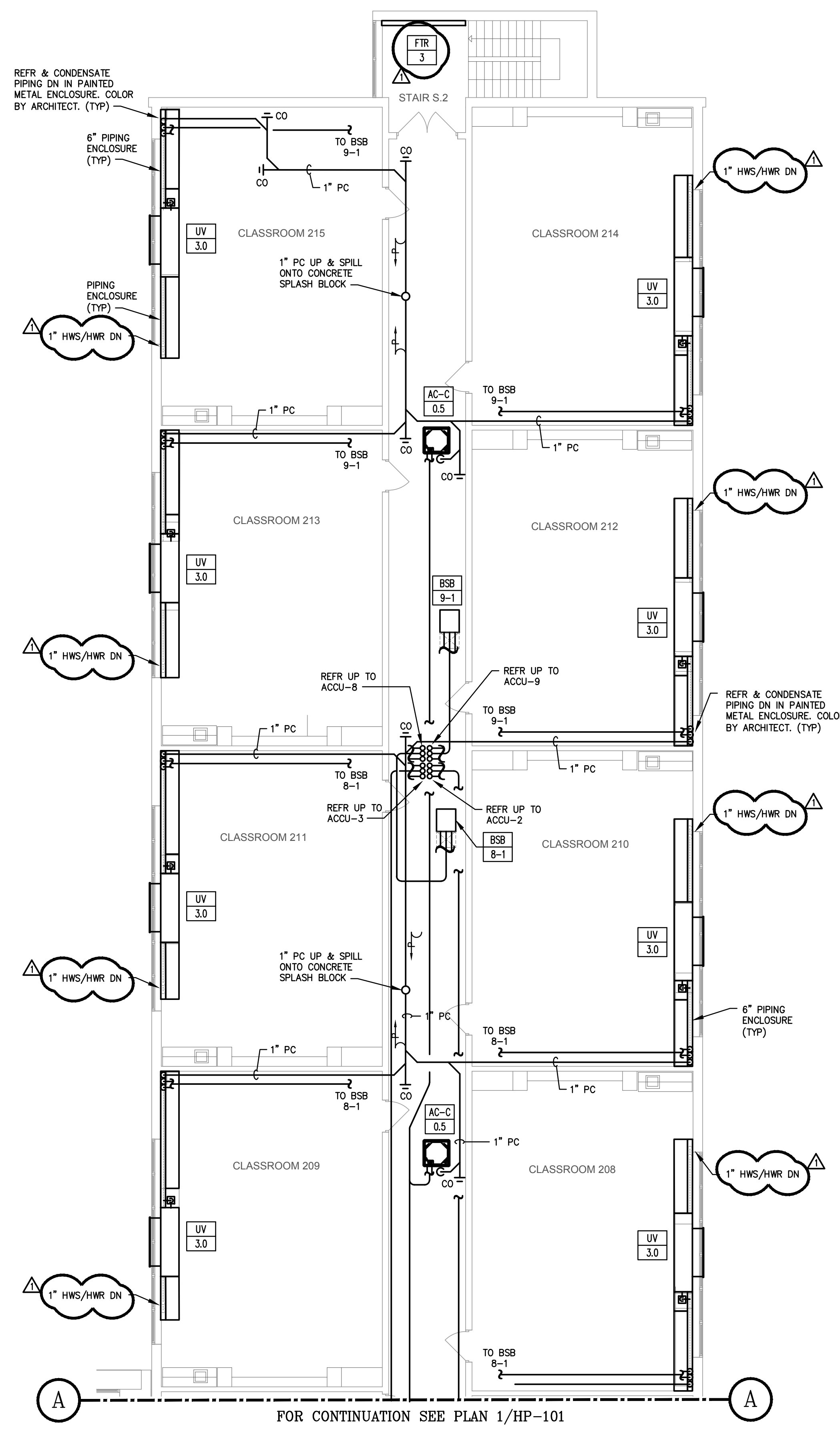
PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4
 ADDRESS:
LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021
 PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
 REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
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 DRAWN BY: **SLB**

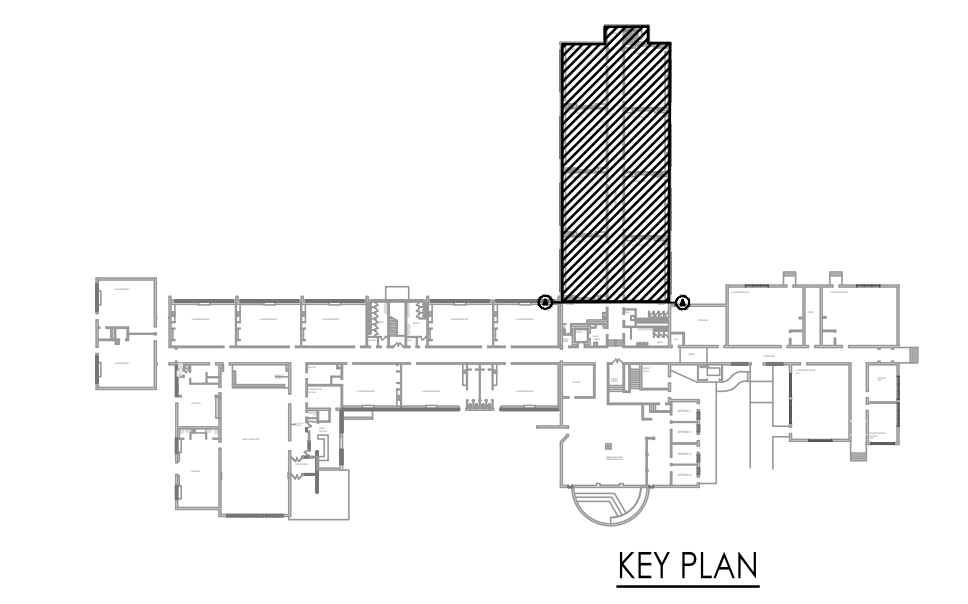
SHEET TITLE:
CRAWL SPACE & BASEMENT FLOOR PLANS LEVELS 1 & 2 - HVAC PIPING

HP-100

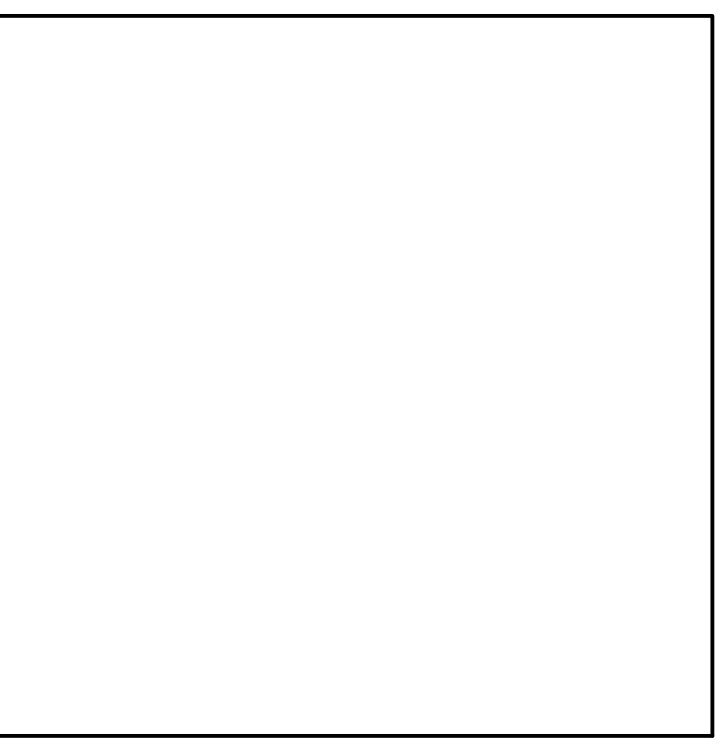


1 FLOOR PLAN LEVEL 4 – HVAC PIPING
 HP102 SCALE 1/8" = 1'-0"

- NOTES:
1. RUN REFRIGERANT PIPING BETWEEN EACH VRV UV/AC UNIT & CORRESPONDING BRANCH SELECTOR BOX, AND BETWEEN BRANCH SELECTOR BOX AND CORRESPONDING CU. REFER TO ACCU PIPING DIAGRAMS.
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 3. ALL CHANGES IN DIRECTION OF CONDENSATE PIPING SHALL BE MADE WITH FITTINGS PROVIDED WITH A CLEAN OUT, WHETHER INDICATED ON THE PLANS OR NOT.



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Frank Tindall, P.E.
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 NJ 36868

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 MECHANICAL ENGINEERS ARCHITECTS DESIGN
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REGAN YOUNG, AIA
 21A009121.00

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
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 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
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 ROOF- G5-6676

PROJECT TITLE:
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 LINDENWOLD SCHOOL #4**

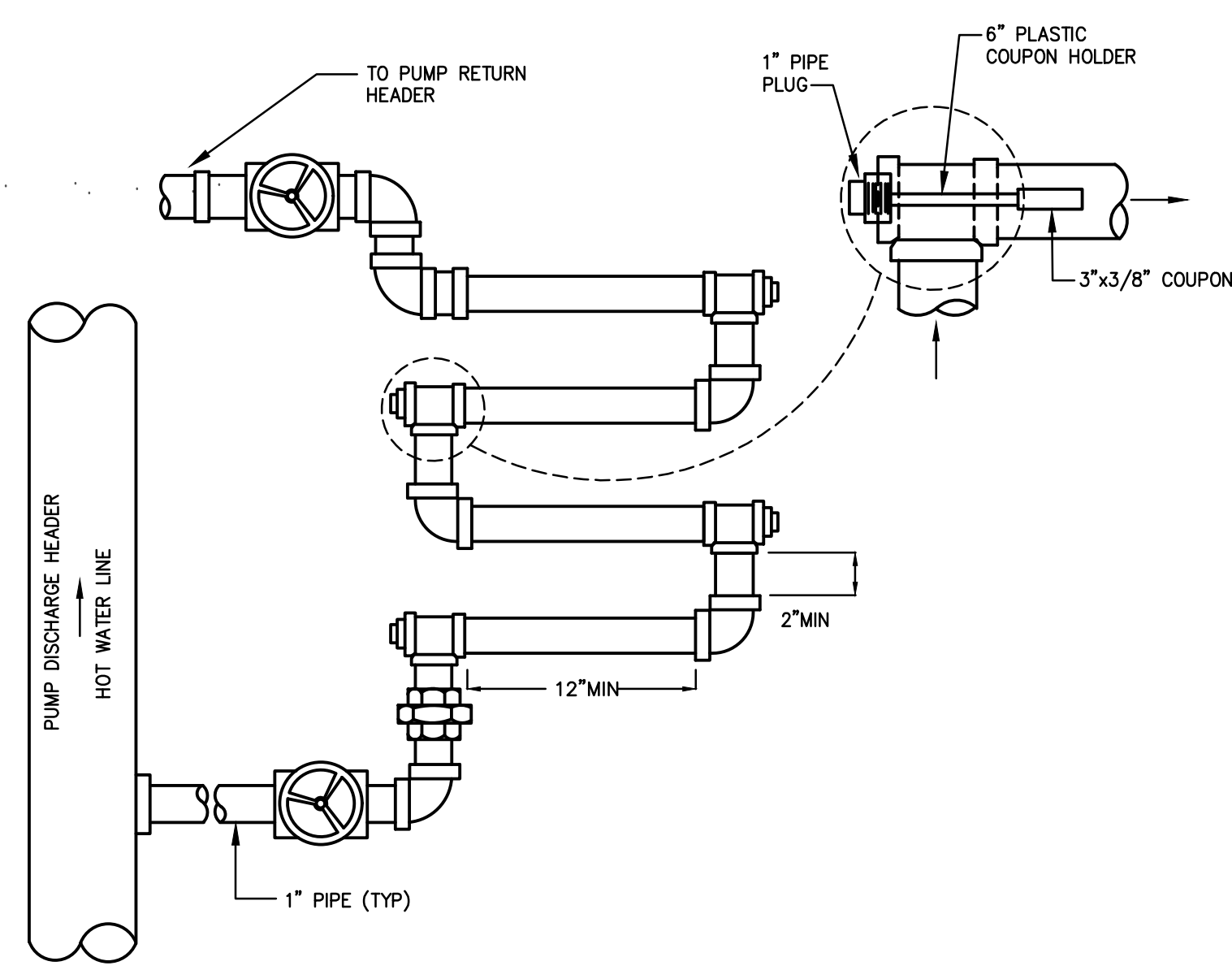
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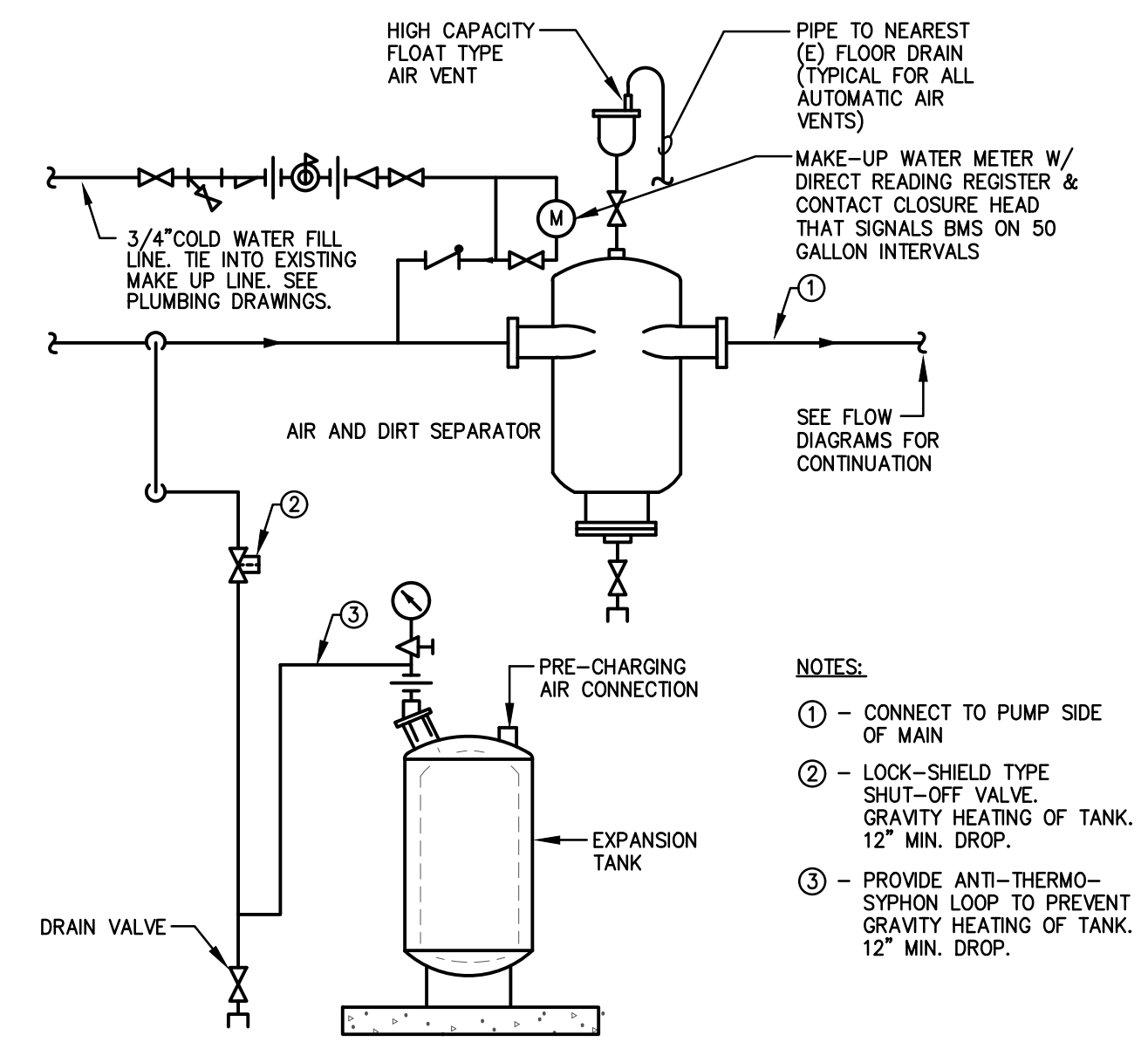
SUBMISSION DATE:	
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DRAWING DATE:	18 OCT 2024
PRINT DATE:	18 OCT 2024
DRAWN BY:	SLB
SHEET TITLE:	FLOOR PLAN LEVEL 4 - HVAC PIPING

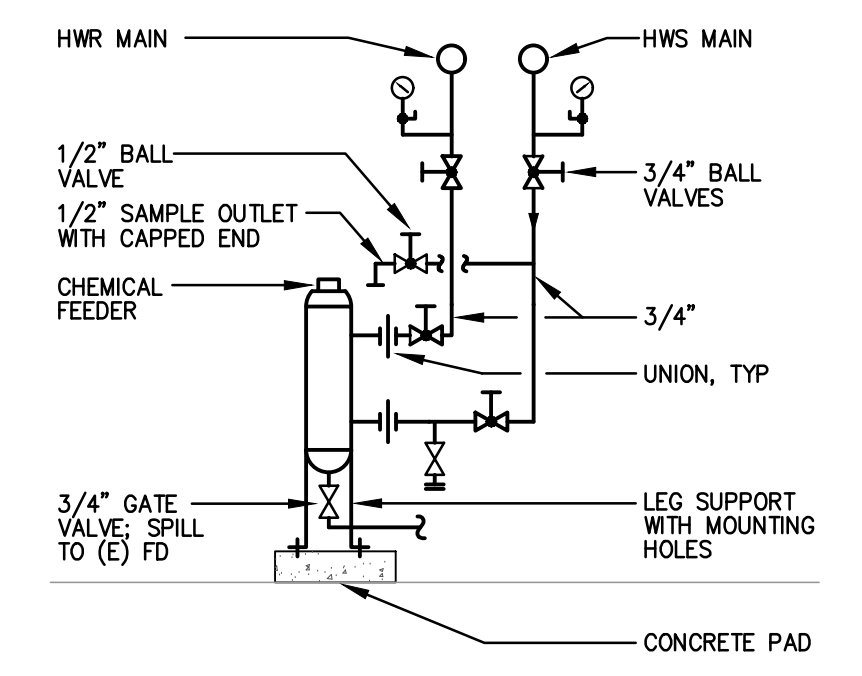
HP-102



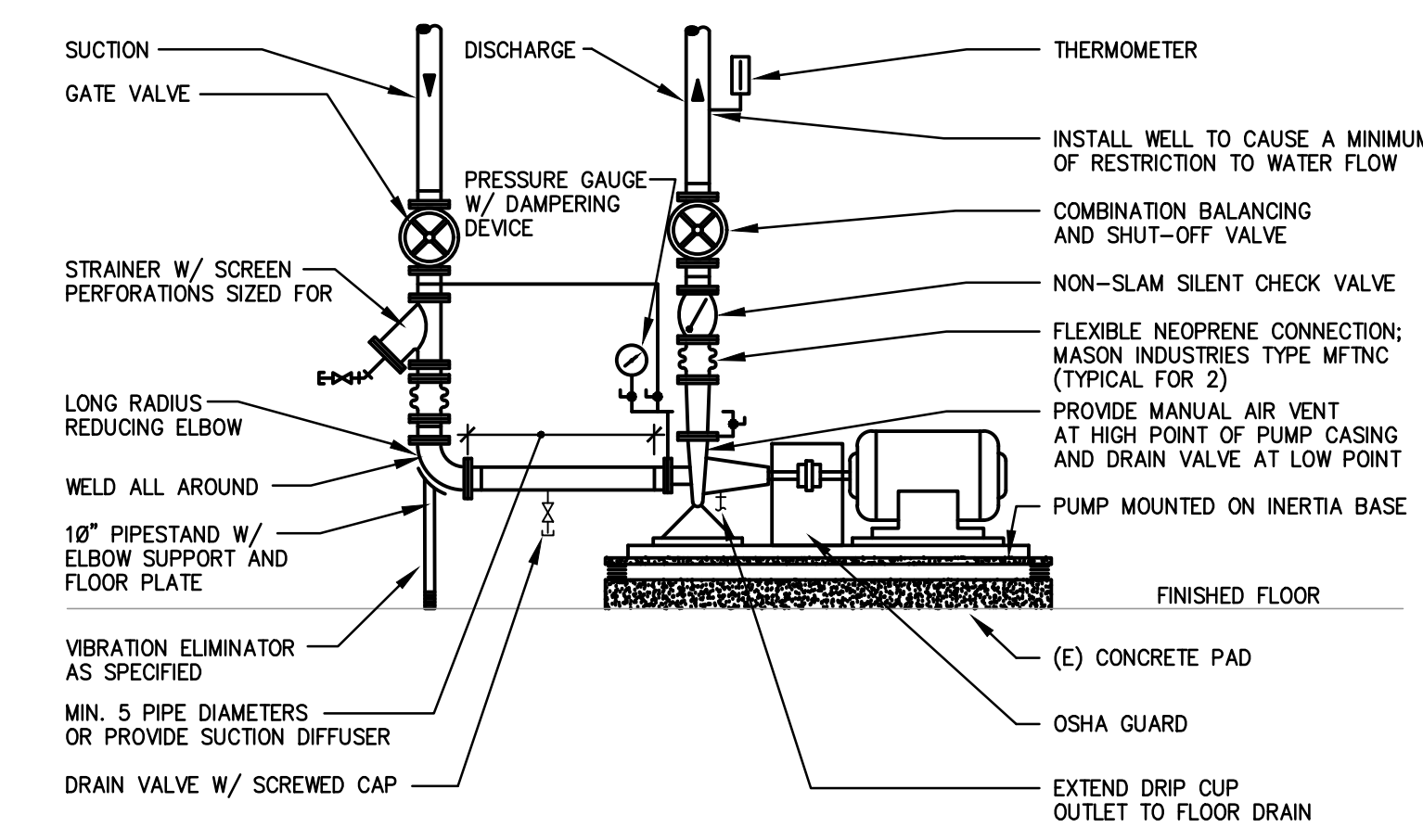
1 CORROSION COUPON RACK DETAIL
 H402 NOT TO SCALE
 NOTE:
 1. MOUNT COUPON RACK ON GALVANIZED STEEL UNI-STRUT WITH STAINLESS STEEL HARDWARE ANCHORED TO BUILDING STRUCTURE.



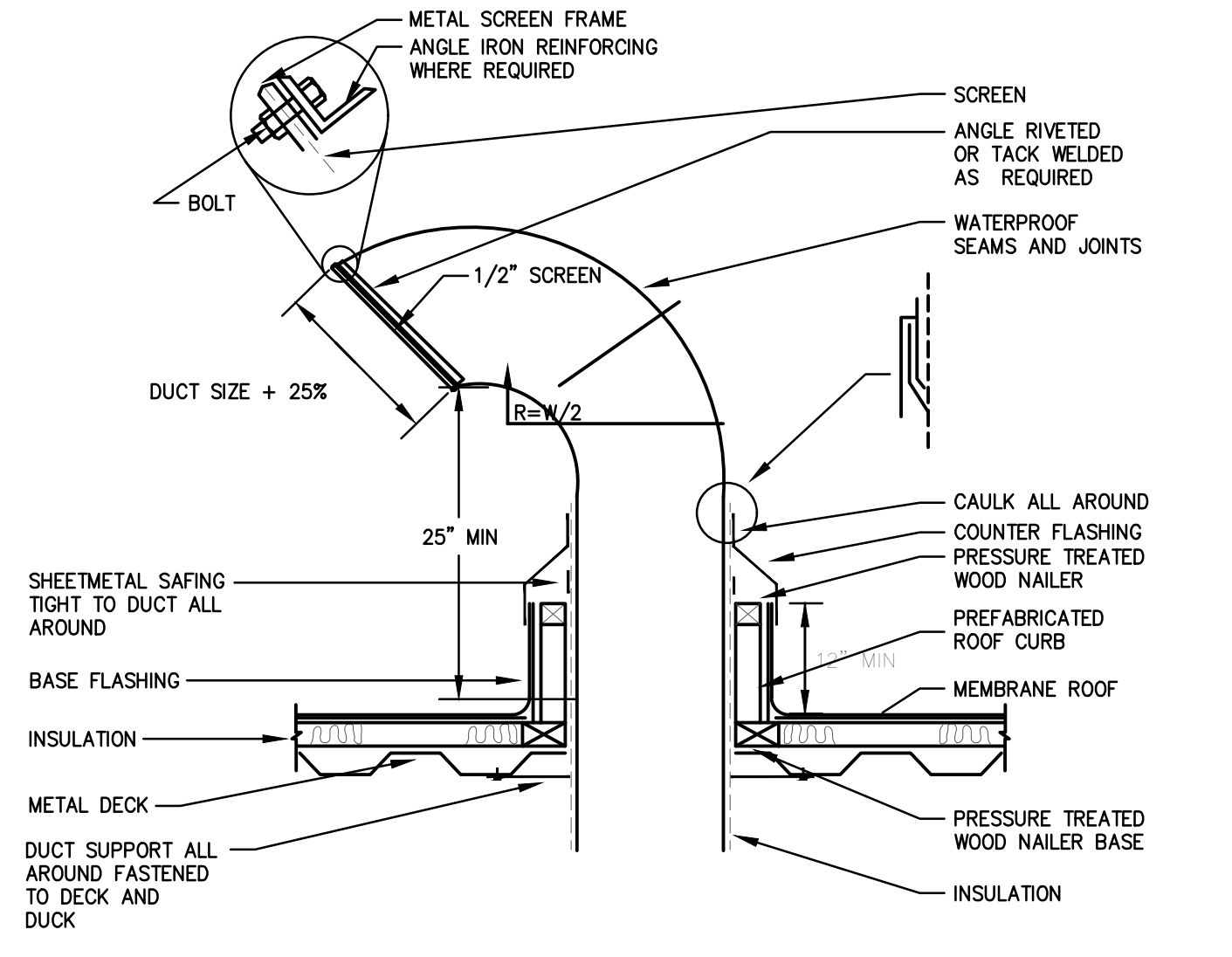
2 AIR CONTROL & PIPING CONNECTION FOR HW SYSTEM
 H402 NOT TO SCALE



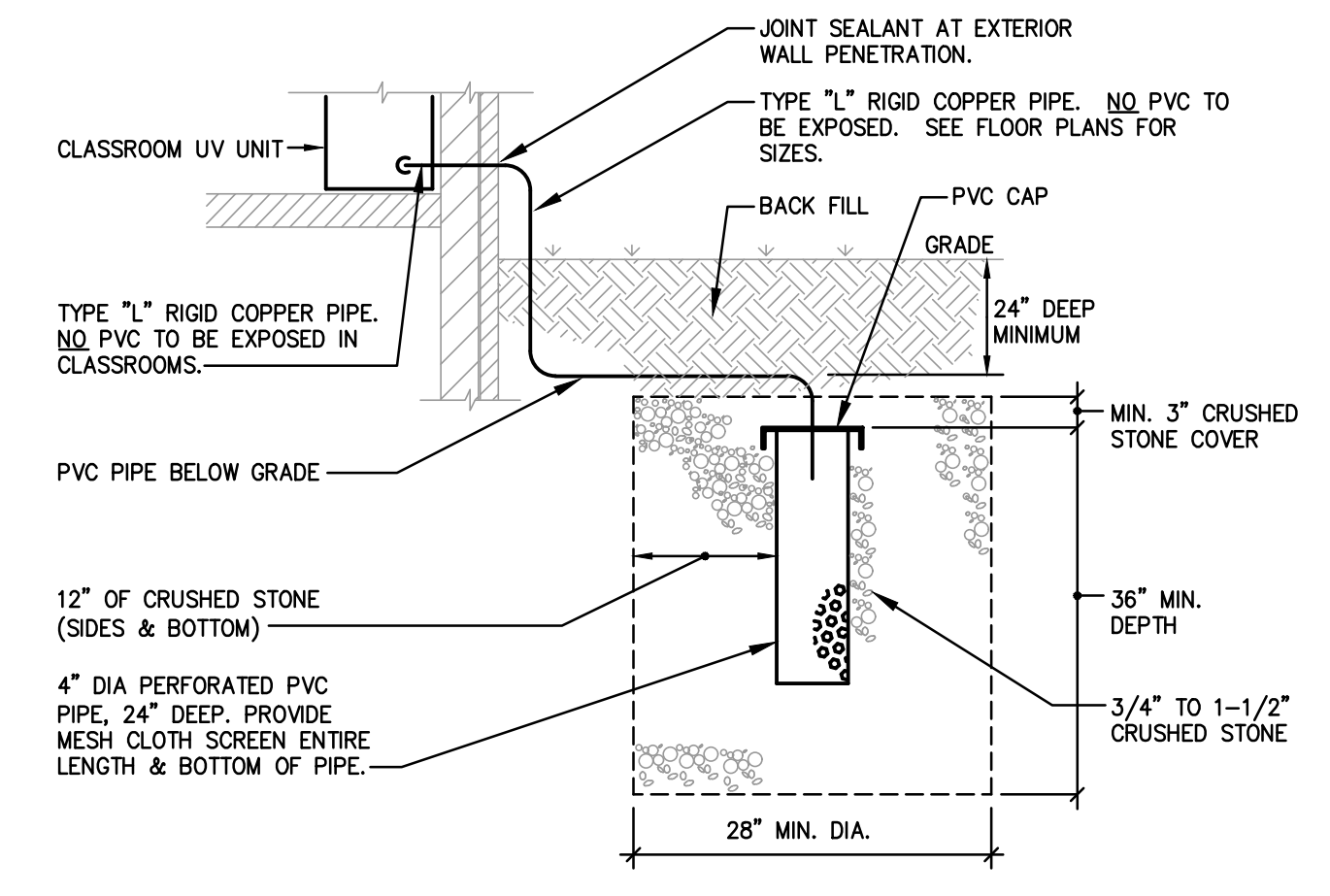
3 CHEMICAL FEED DETAIL
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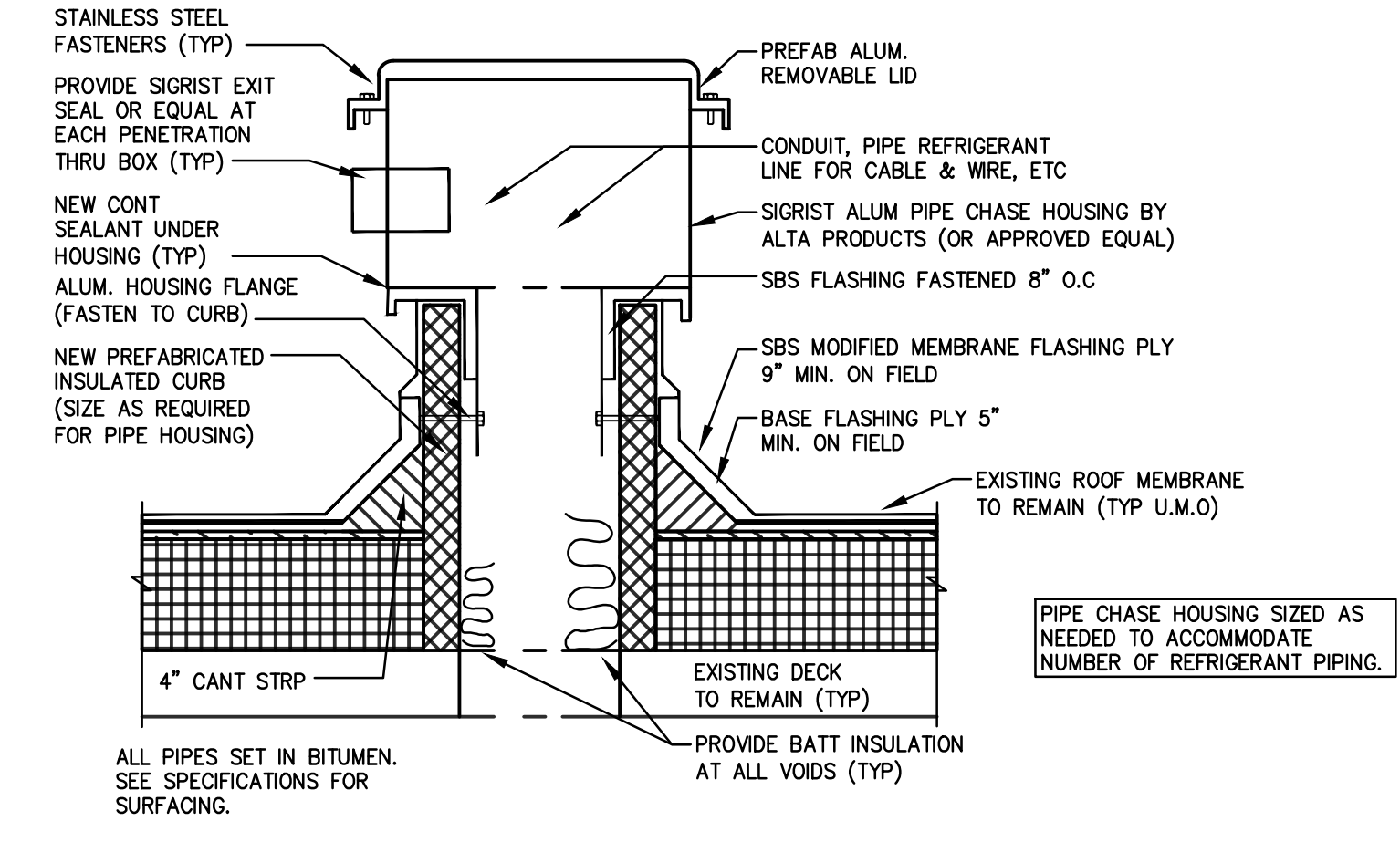
4 END SUCTION PUMP PIPING DETAIL
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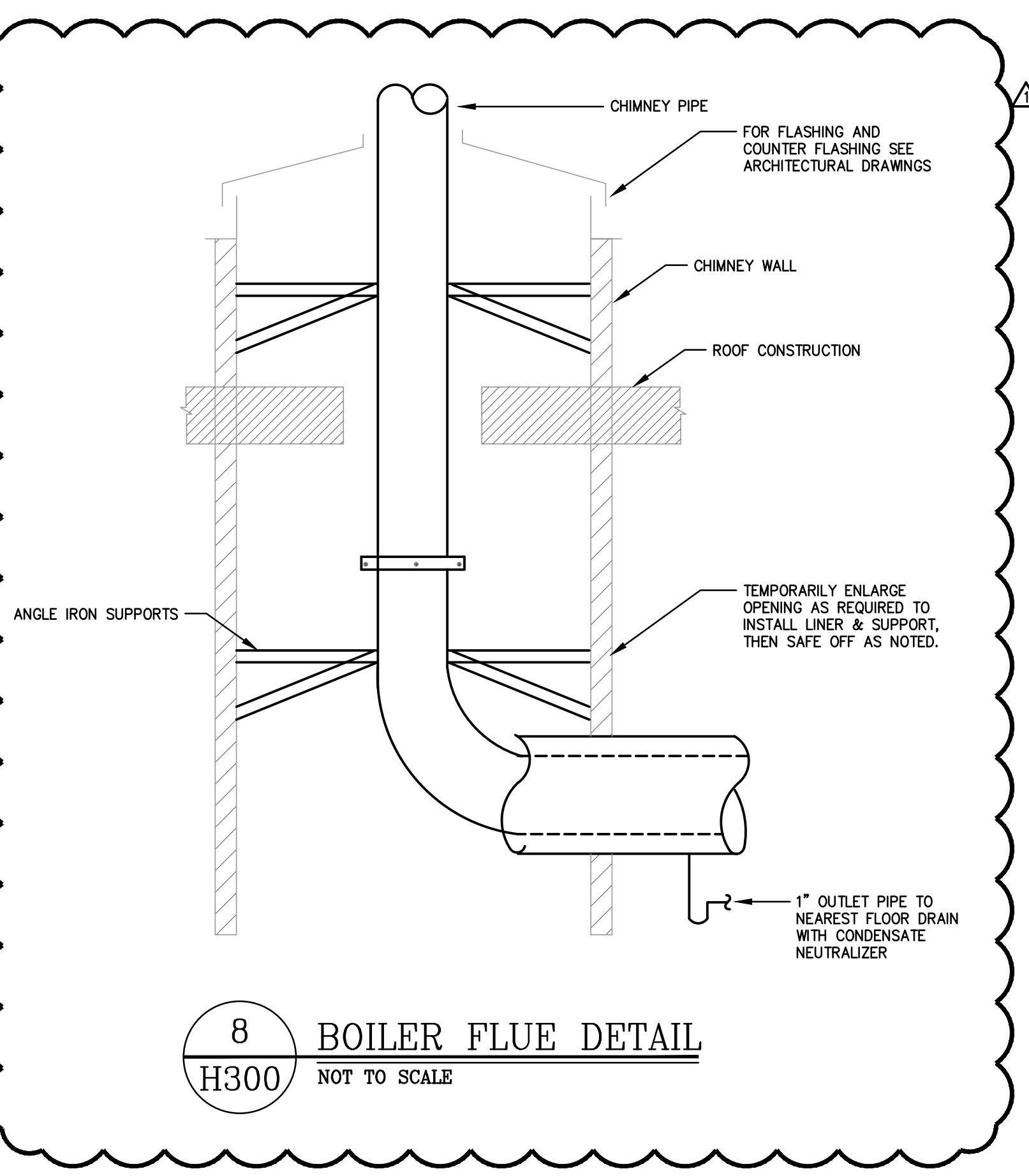
5 RECTANGULAR GOOSENECK
 H402 NOT TO SCALE



6 CONDENSATE DRAIN & DRYWELL DETAIL
 H-402 NOT TO SCALE



6 REFRIGERANT PIPES/ELECTRICAL CONDUITS PENETRATION THROUGH ROOF W/ ALUM HOUSING
 H400 NOT TO SCALE
 NOTES:
 1. REFER TO ROOFING DETAILS ON ARCHITECTURAL DRAWINGS.
 2. ALL WOOD SHALL BE PRESSURE TREATED FIRE RETARDANT.



8 BOILER FLUE DETAIL
 H300 NOT TO SCALE

NOTE: FOLLOW ARCHITECTURAL DRAWINGS FOR ADDITIONAL ROOF DETAIL INFORMATION.

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 +1 609 986 2600/2603/2604 FAX +1 609 986 1100 - RYEBREAD.COM

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

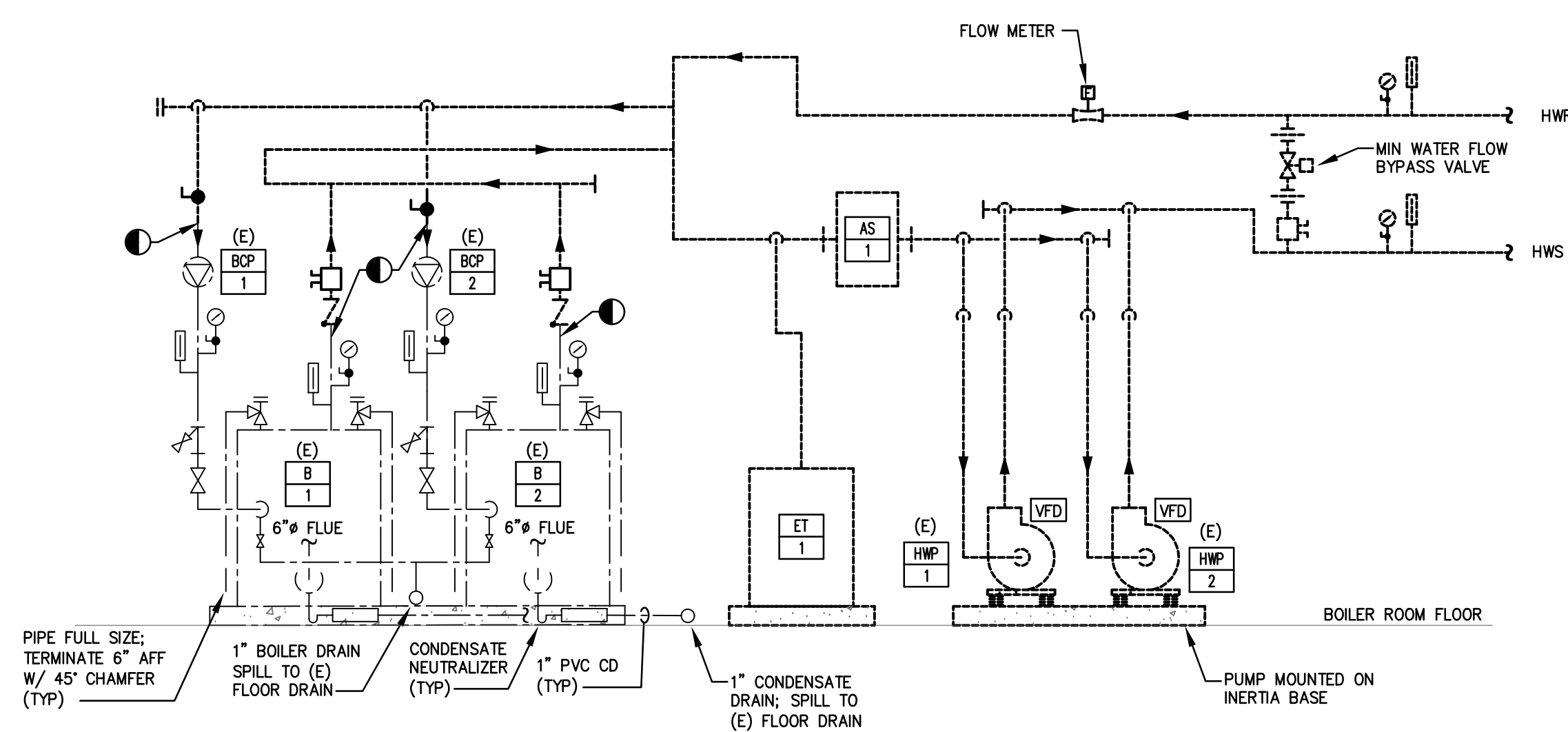
ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
 REVISION DATE: **18 FEB 2025**

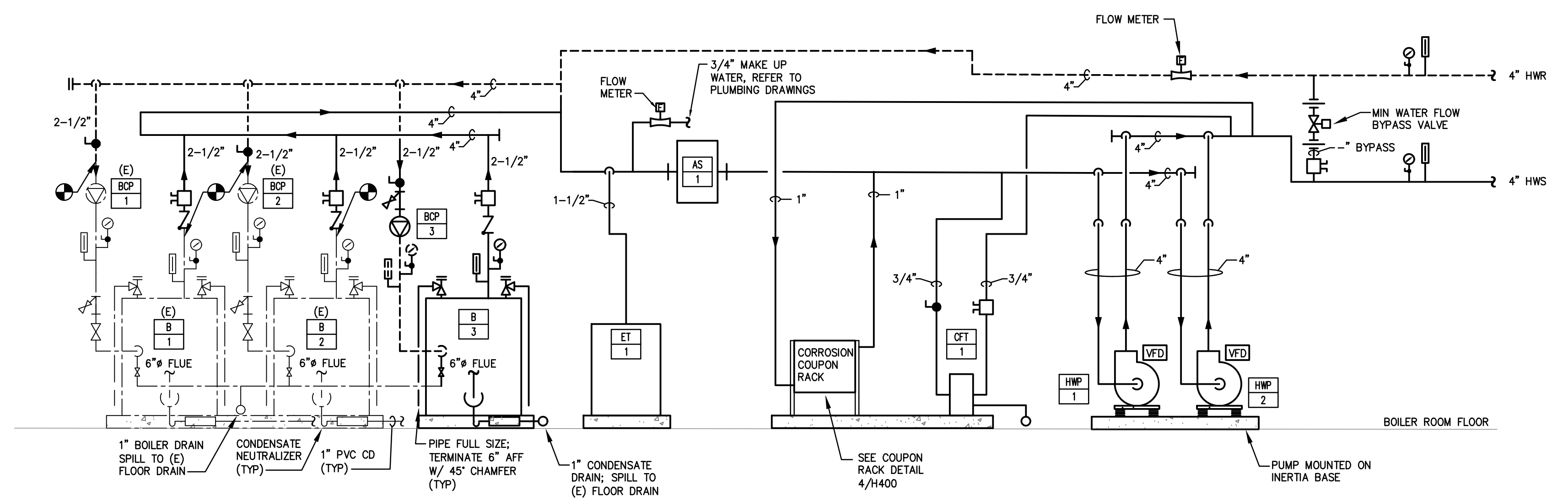
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 PRINT DATE: **18 OCT 2024**
 DRAWN BY: **SLB**
 SHEET TITLE: **DETAILS - HVAC**

H-402



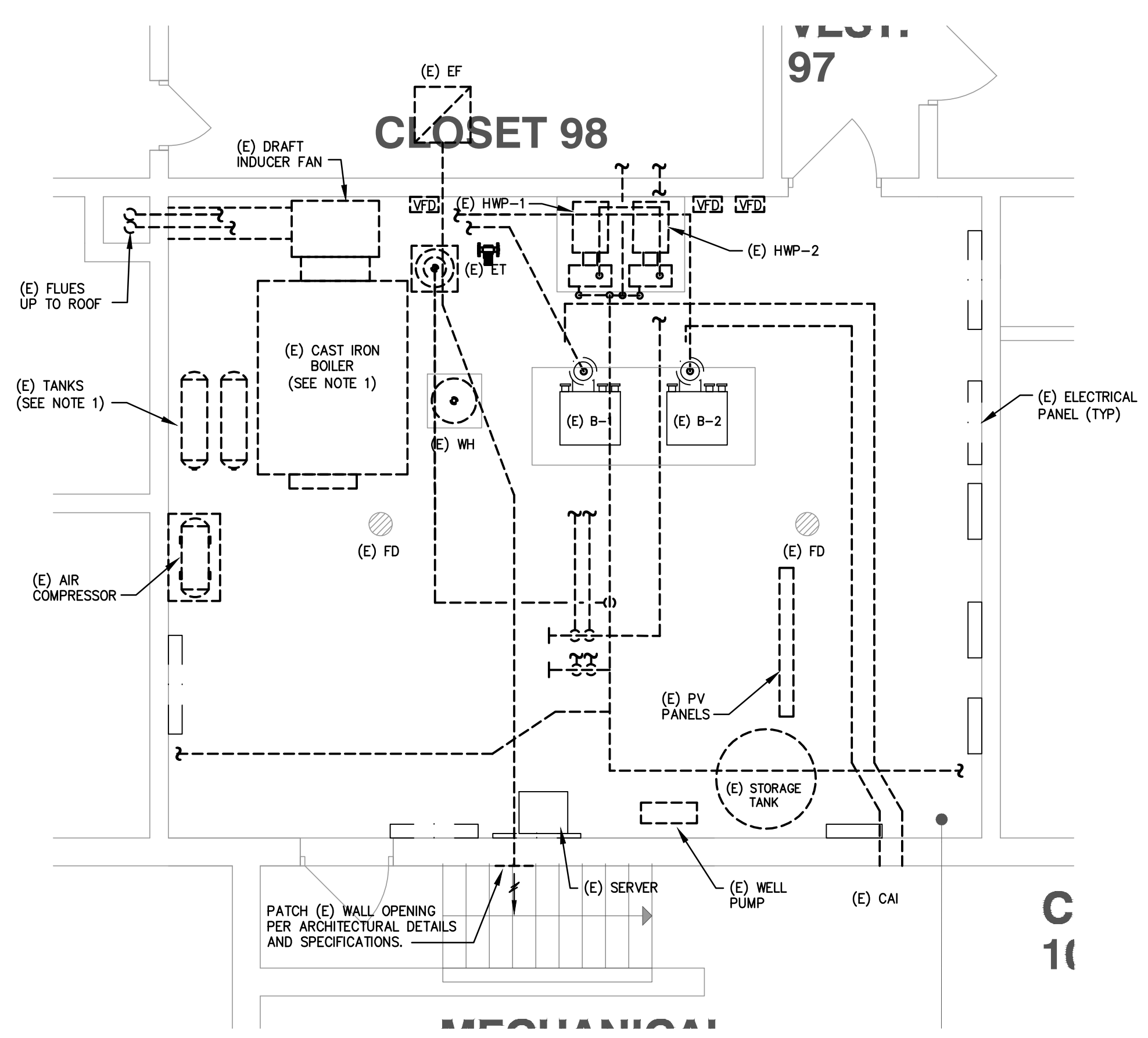
1 DEMOLITION BOILER PLANT PIPING DIAGRAM
H403

NOT TO SCALE
NOTE:
1. DEMOLITION OF (E) EQUIPMENT SHALL INCLUDE REMOVAL OF ASSOCIATED POWER CIRCUITS, STARTERS, CONTROLS CONCRETE PADS, ETC.

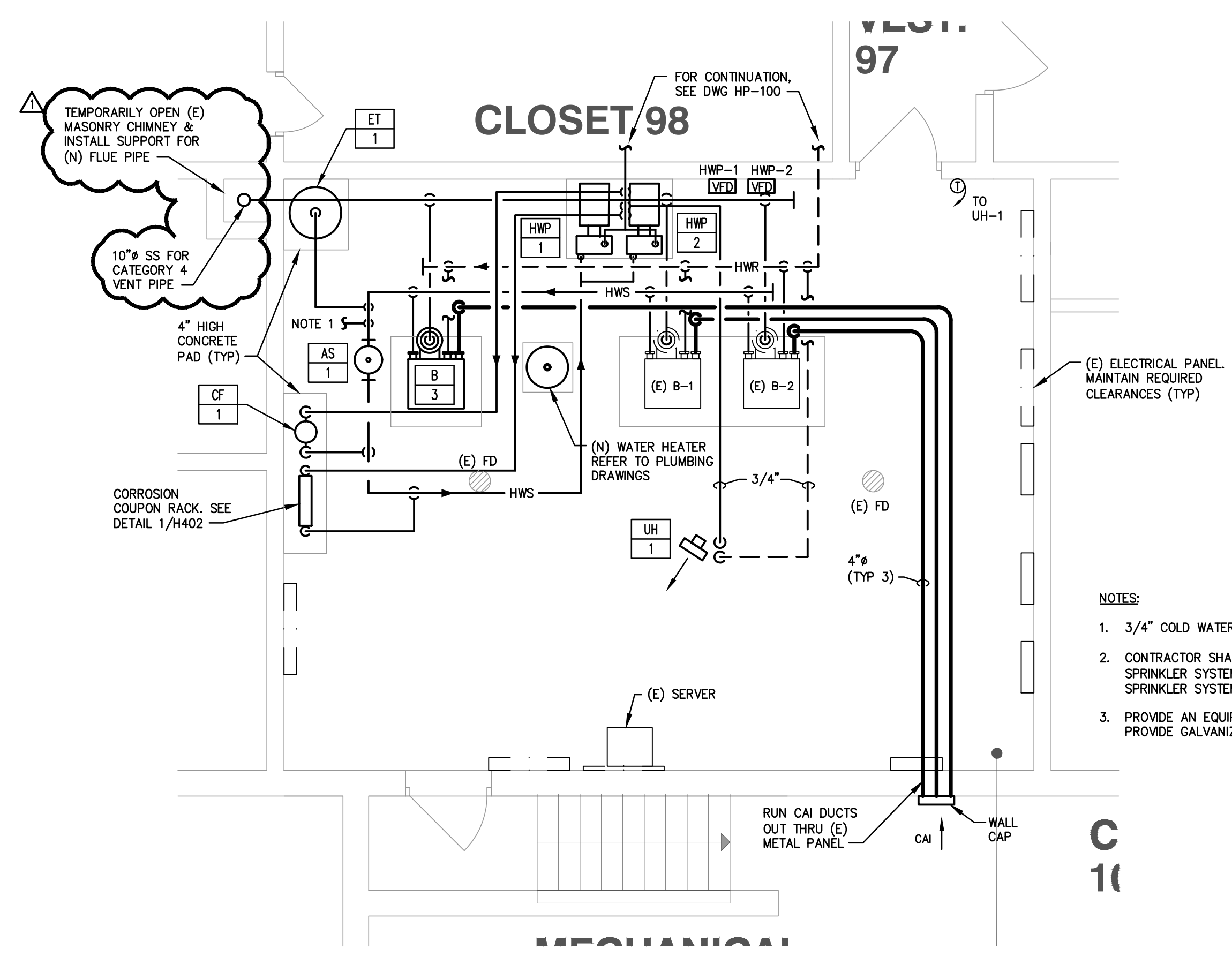


2 NEW BOILER PLANT PIPING DIAGRAM
H403

NOT TO SCALE
NOTE:
1. ALL EQUIPMENT & CONTROL VALVE CONNECTIONS SHALL BE FLANGED.

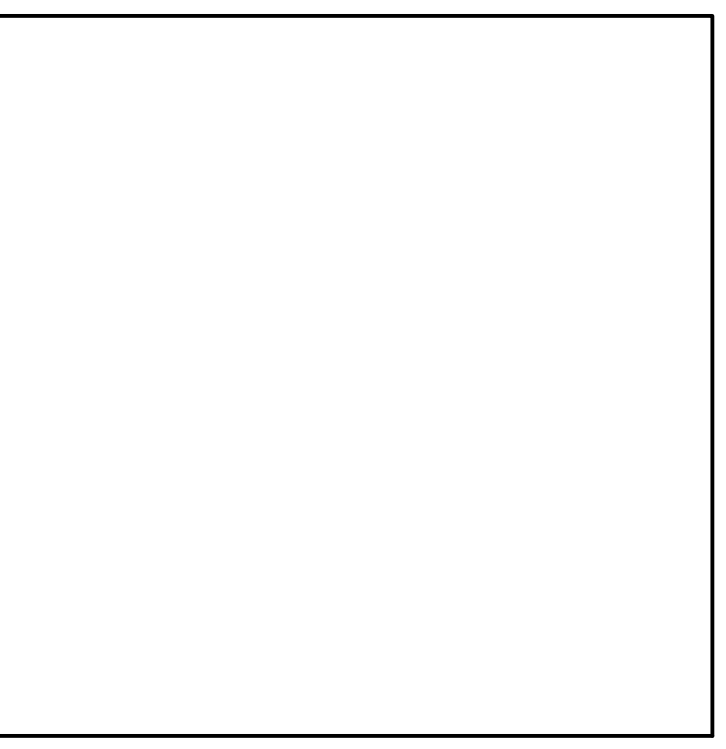


3 BOILER ROOM PLAN - HVAC DEMOLITION
H403 SCALE 1/4" = 1'-0"



4 BOILER ROOM PLAN - HVAC NEW WORK
H403 SCALE 1/4" = 1'-0"

NOTES:
1. 3/4" COLD WATER TO MAKE UP WATER EQUIPMENT. REFER TO PLUMBING DRAWINGS.
2. CONTRACTOR SHALL COORDINATE NEW WORK WITH EXISTING WORK OF ALL TRADES. THE (E) SPRINKLER SYSTEM SHALL REMAIN IN SERVICE. COORDINATE ALL WORK AROUND THE (E) SPRINKLER SYSTEM.
3. PROVIDE AN EQUIPMENT RACK FOR CHEMICAL TREATMENT AND MAKE UP WATER SERVICE. PROVIDE GALVANIZED STEEL UNI-STRUT WITH STAINLESS STEEL HARDWARE.



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PRINCIPAL OFFICE: 1000 W. 10TH STREET, SUITE 200
PRINCETON, NJ 08540
FRANK TINDALL, P.E.
PROFESSIONAL ENGINEER
NO. 38665

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REGISTERED PROFESSIONAL ARCHITECTS - DESIGN
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+1 908 966 2626 / 908 966 2627 FAX +1 908 966 2628
REGAN YOUNG, AIA
21400912100

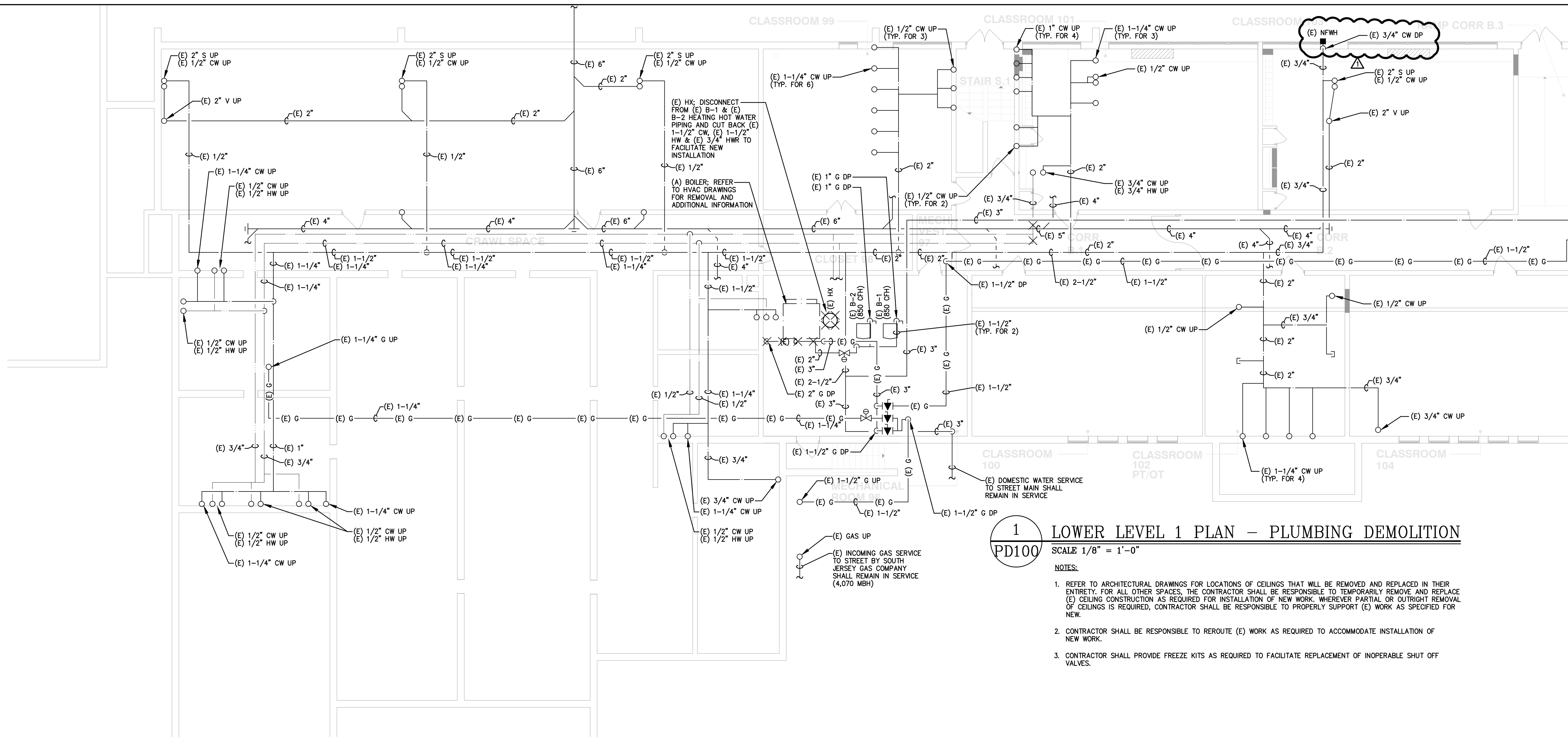
NJDOE PROJECT NUMBERS
HVAC- 2670-040-23-R503
ROOF- 2670-040-23-R501
NJSDA PROJECT NUMBERS
HVAC- 2670-040-23-G5KN
ROOF- 2670-050-23-G5KM
NJSDA GRANT NUMBERS
HVAC- G5-6677
ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4
ADDRESS:
**LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1
& BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021**
PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:	
REVISION DATE:	18 FEB 2025

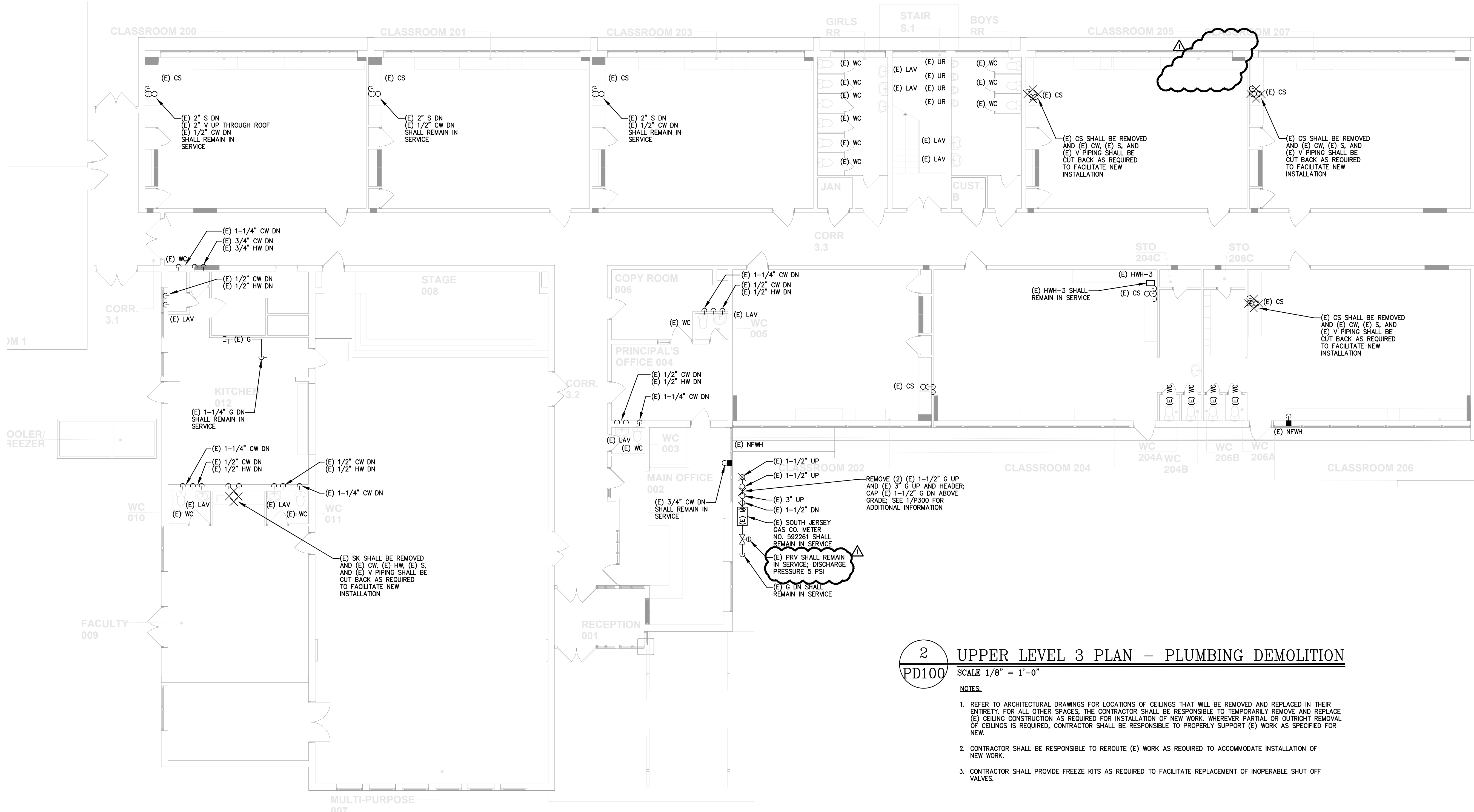
DRAWING DATE:	18 OCT 2024
PRINT DATE:	18 OCT 2024
DRAWN BY:	SLB
SHEET TITLE:	DETAILS - HVAC

H-403



1 LOWER LEVEL 1 PLAN - PLUMBING DEMOLITION
 SCALE 1/8" = 1'-0"

- NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CEILINGS THAT WILL BE REMOVED AND REPLACED IN THEIR ENTIRETY. FOR ALL OTHER SPACES, THE CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY REMOVE AND REPLACE (E) CEILING CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW WORK. WHEREVER PARTIAL OR OUTRIGHT REMOVAL OF CEILINGS IS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY SUPPORT (E) WORK AS SPECIFIED FOR NEW.
 - CONTRACTOR SHALL BE RESPONSIBLE TO REROUTE (E) WORK AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW WORK.
 - CONTRACTOR SHALL PROVIDE FREEZE KITS AS REQUIRED TO FACILITATE REPLACEMENT OF INOPERABLE SHUT OFF VALVES.



2 UPPER LEVEL 3 PLAN - PLUMBING DEMOLITION
 SCALE 1/8" = 1'-0"

- NOTES:**
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CEILINGS THAT WILL BE REMOVED AND REPLACED IN THEIR ENTIRETY. FOR ALL OTHER SPACES, THE CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY REMOVE AND REPLACE (E) CEILING CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW WORK. WHEREVER PARTIAL OR OUTRIGHT REMOVAL OF CEILINGS IS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY SUPPORT (E) WORK AS SPECIFIED FOR NEW.
 - CONTRACTOR SHALL BE RESPONSIBLE TO REROUTE (E) WORK AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW WORK.
 - CONTRACTOR SHALL PROVIDE FREEZE KITS AS REQUIRED TO FACILITATE REPLACEMENT OF INOPERABLE SHUT OFF VALVES.

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NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

ADDRESS:
 LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021

PROJECT NO.: 5743F, H, O

SUBMISSION DATE:

REVISION DATE: 18 FEB 2025

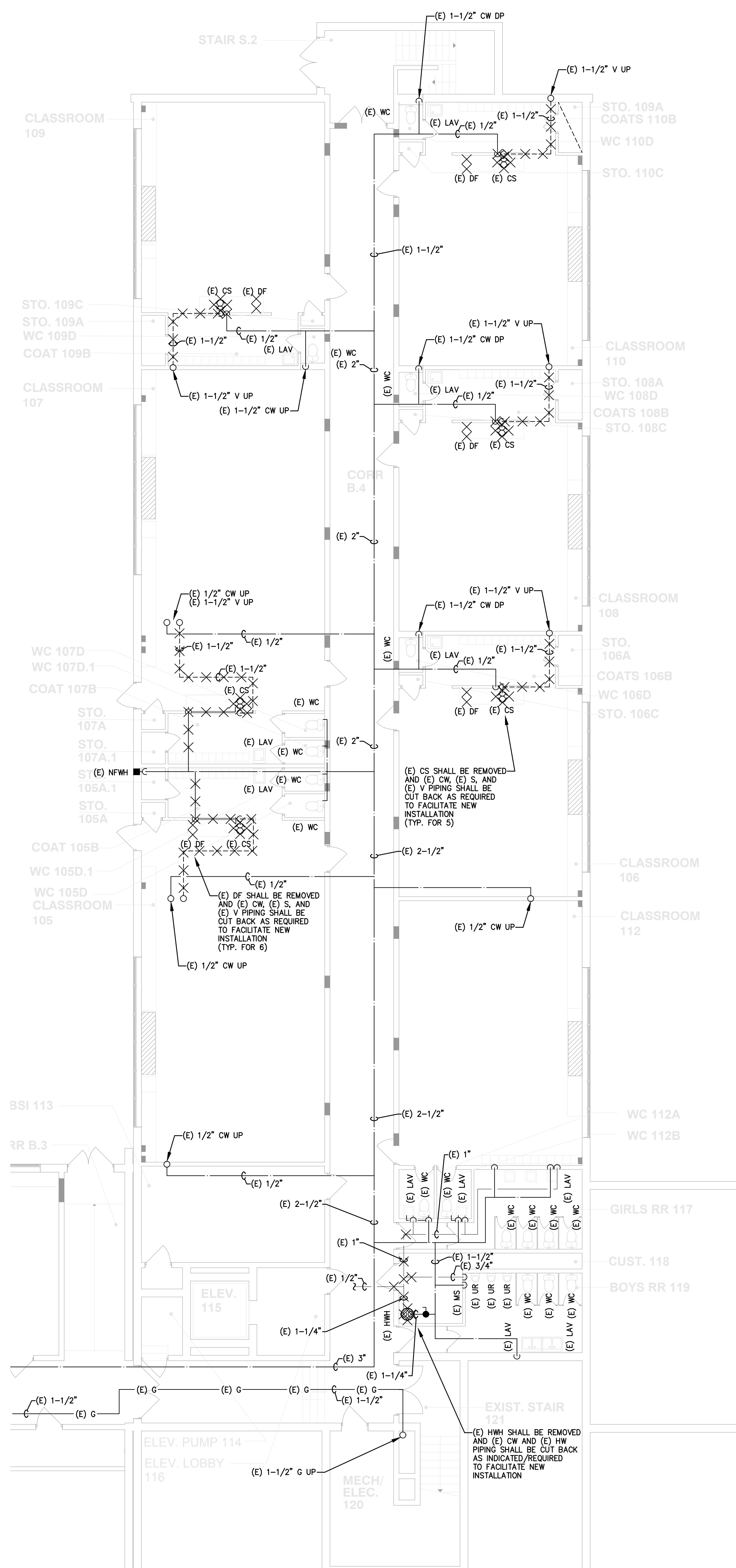
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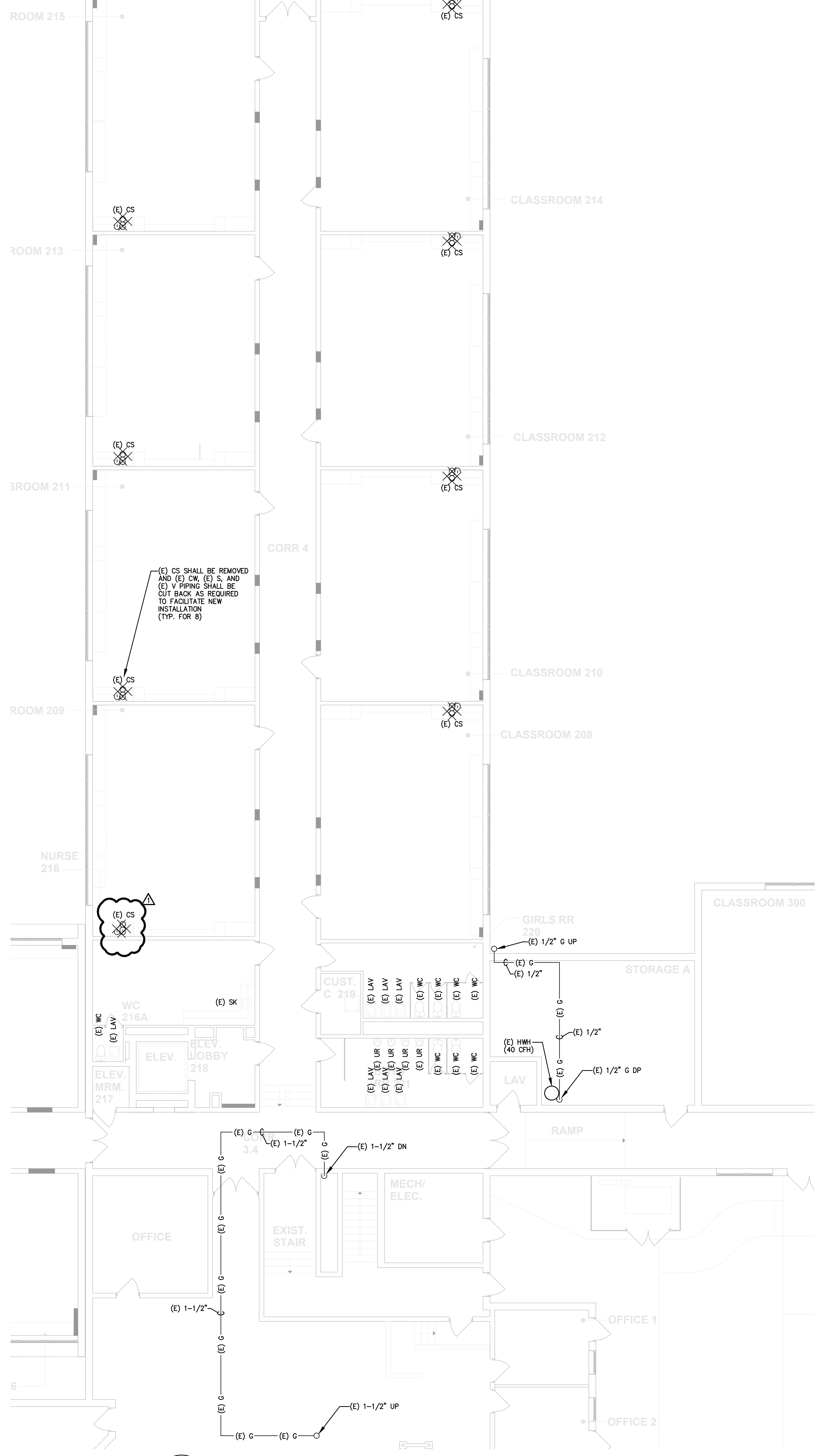
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PD-100



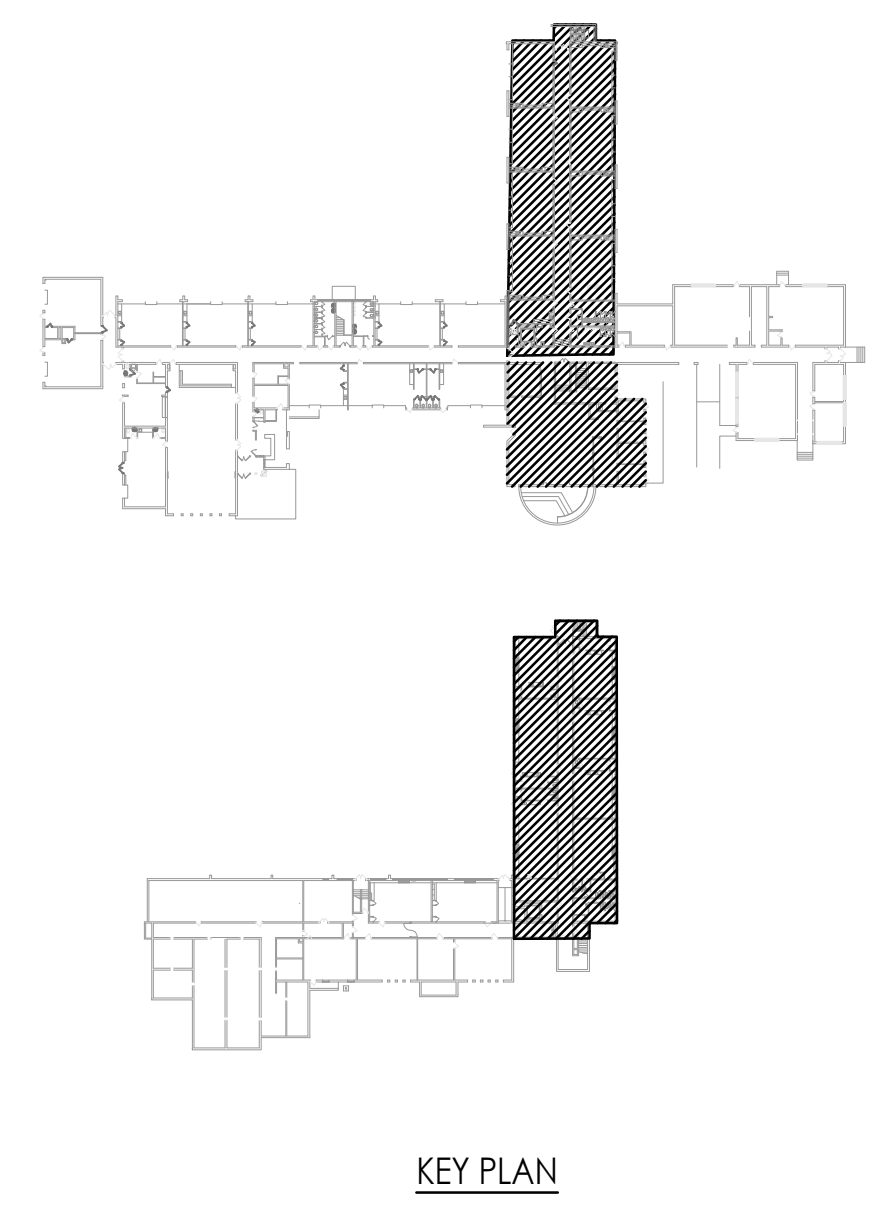
1 LOWER LEVEL 2 PLAN - PLUMBING DEMOLITION
 PD101 SCALE 1/8" = 1'-0"

- NOTES:
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CEILINGS THAT WILL BE REMOVED AND REPLACED IN THEIR ENTIRETY. FOR ALL OTHER SPACES, THE CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY REMOVE AND REPLACE (E) CEILING CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW WORK. WHEREVER PARTIAL OR OUTHRIGHT REMOVAL OF CEILINGS IS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY SUPPORT (E) WORK AS SPECIFIED FOR NEW.
 - CONTRACTOR SHALL BE RESPONSIBLE TO REROUTE (E) WORK AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW WORK.
 - CONTRACTOR SHALL PROVIDE FREEZE KITS AS REQUIRED TO FACILITATE REPLACEMENT OF INOPERABLE SHUT OFF VALVES.

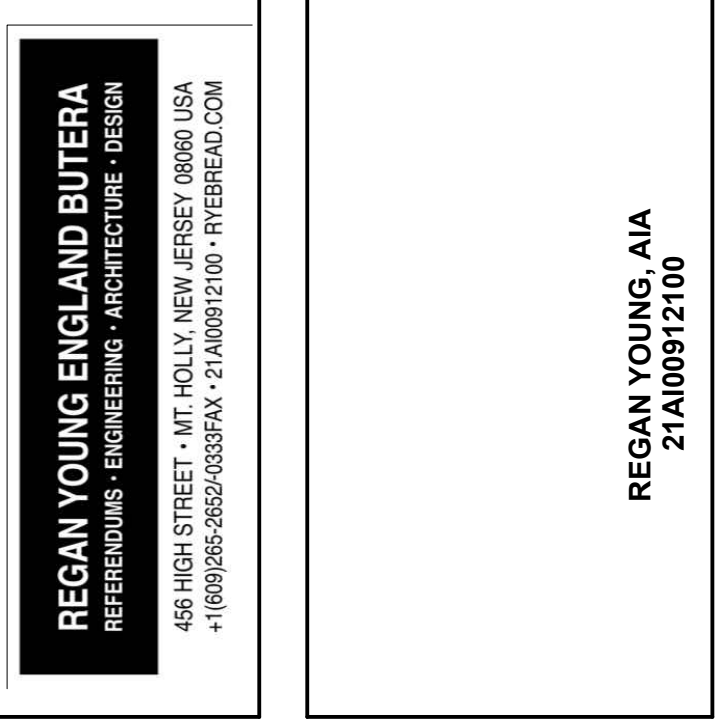
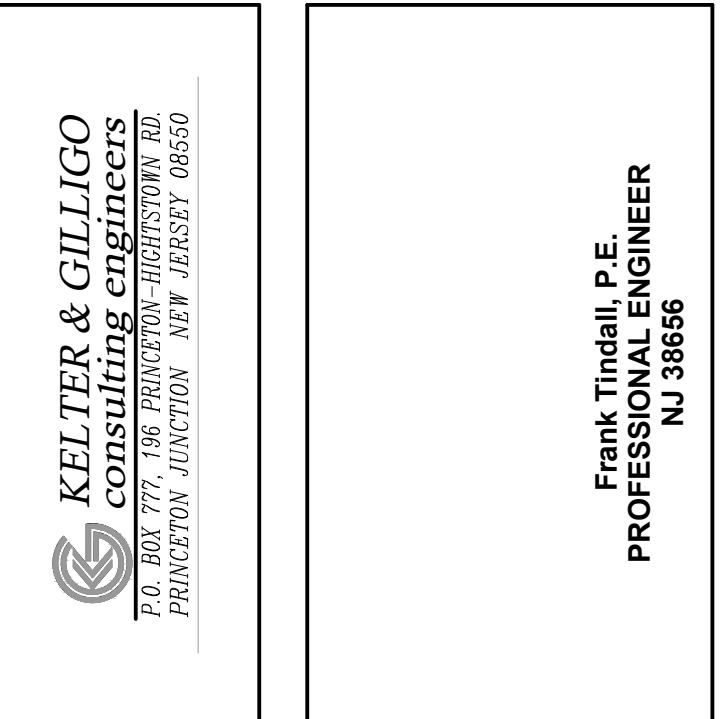
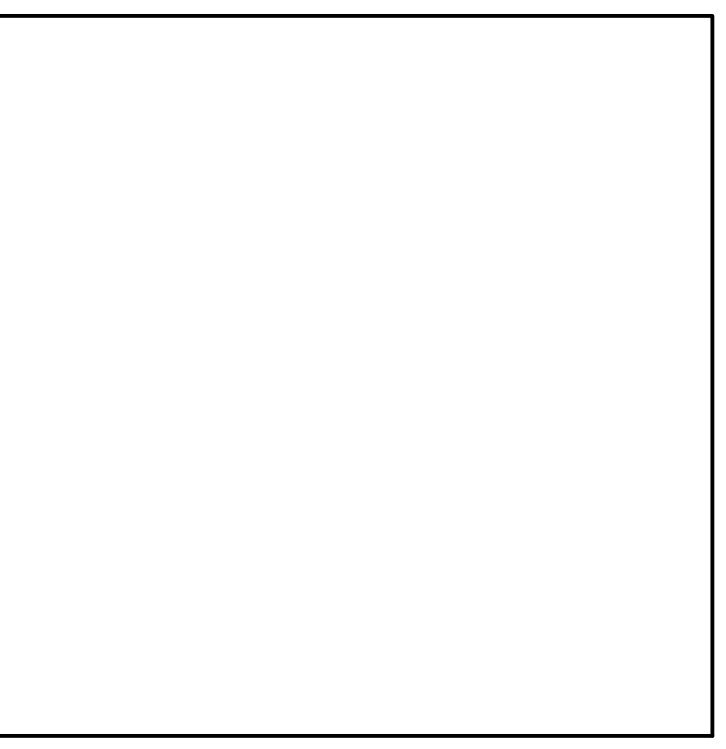


2 UPPER LEVEL 4 PLAN - PLUMBING DEMOLITION
 PD101 SCALE 1/8" = 1'-0"

- NOTES:
- REFER TO ARCHITECTURAL DRAWINGS FOR LOCATIONS OF CEILINGS THAT WILL BE REMOVED AND REPLACED IN THEIR ENTIRETY. FOR ALL OTHER SPACES, THE CONTRACTOR SHALL BE RESPONSIBLE TO TEMPORARILY REMOVE AND REPLACE (E) CEILING CONSTRUCTION AS REQUIRED FOR INSTALLATION OF NEW WORK. WHEREVER PARTIAL OR OUTHRIGHT REMOVAL OF CEILINGS IS REQUIRED, CONTRACTOR SHALL BE RESPONSIBLE TO PROPERLY SUPPORT (E) WORK AS SPECIFIED FOR NEW.
 - CONTRACTOR SHALL BE RESPONSIBLE TO REROUTE (E) WORK AS REQUIRED TO ACCOMMODATE INSTALLATION OF NEW WORK.
 - CONTRACTOR SHALL PROVIDE FREEZE KITS AS REQUIRED TO FACILITATE REPLACEMENT OF INOPERABLE SHUT OFF VALVES.



KEY PLAN



NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
**BUILDING RENOVATION
 LINDENSWOLD SCHOOL #4**

ADDRESS:
**LINDENSWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENSWOLD, NJ 08021**

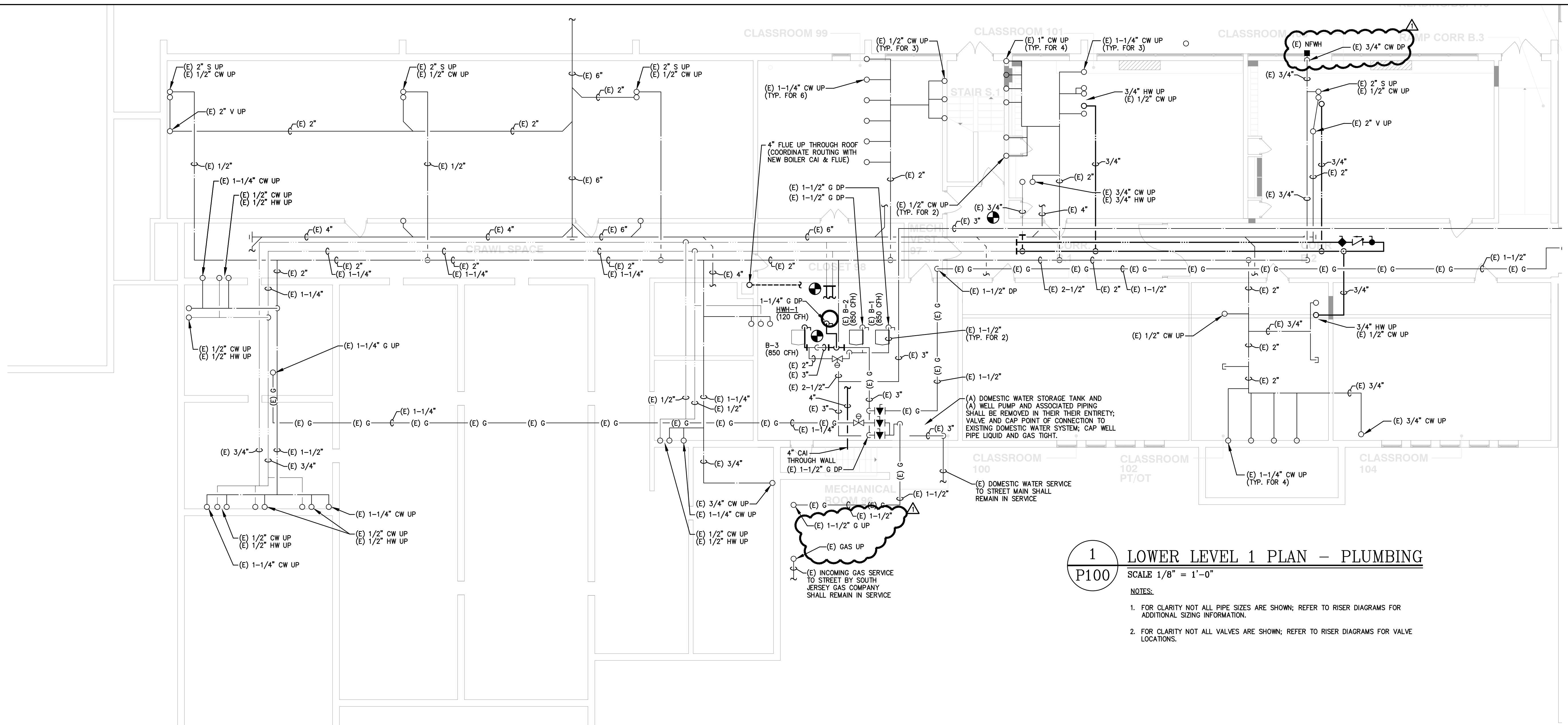
PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
 REVISION DATE: **18 FEB 2025**

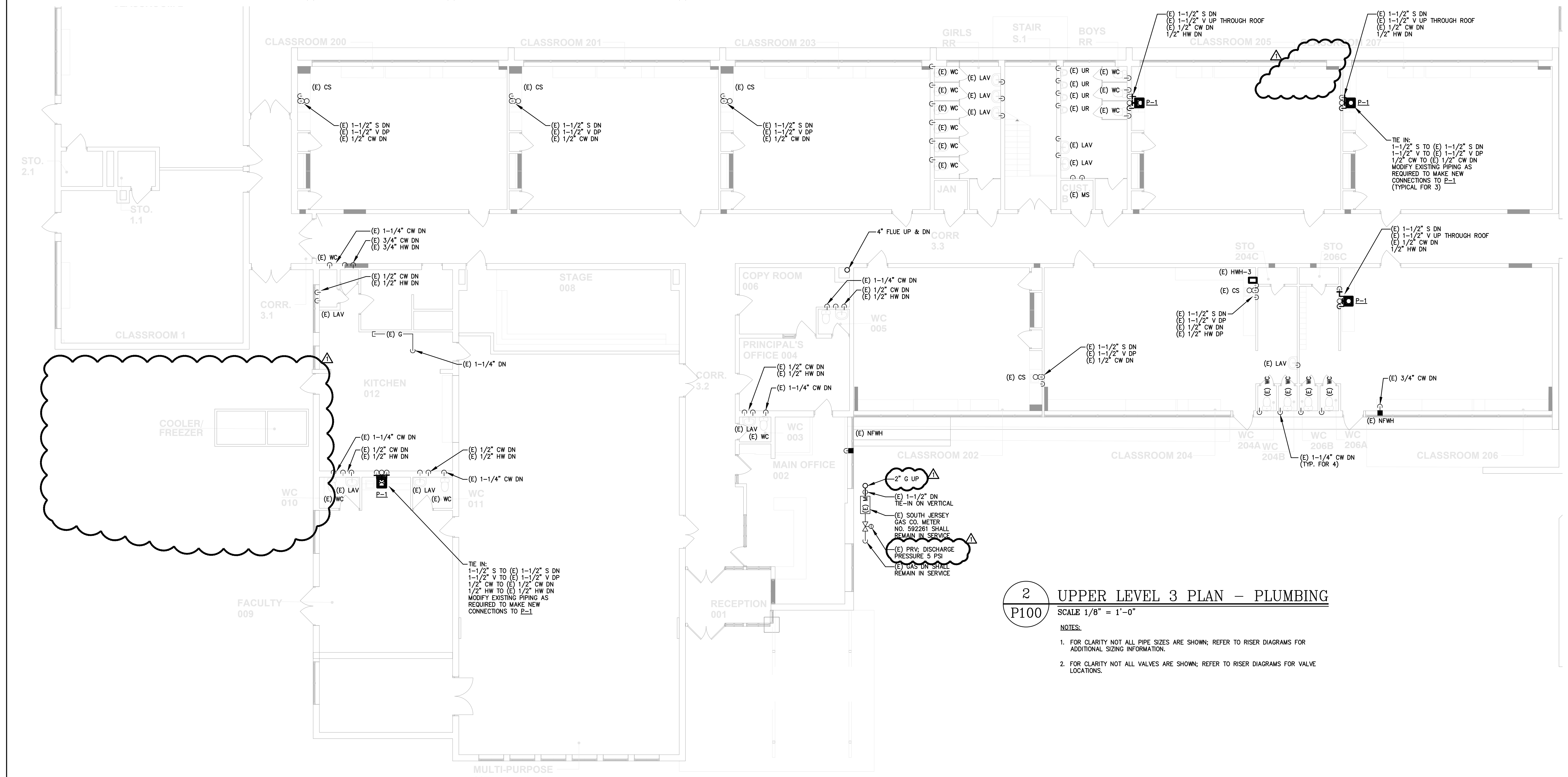
DRAWING DATE: **18 OCT 2024**
 PRINT DATE: **18 OCT 2024**
 DRAWN BY: **ACL**

SHEET TITLE: **PARTIAL LOWER LEVEL 2
 AND UPPER LEVEL 4
 FLOOR PLANS -
 PLUMBING DEMOLITION**

PD-101



1 LOWER LEVEL 1 PLAN - PLUMBING
 SCALE 1/8" = 1'-0"
 NOTES:
 1. FOR CLARITY NOT ALL PIPE SIZES ARE SHOWN; REFER TO RISER DIAGRAMS FOR ADDITIONAL SIZING INFORMATION.
 2. FOR CLARITY NOT ALL VALVES ARE SHOWN; REFER TO RISER DIAGRAMS FOR VALVE LOCATIONS.



2 UPPER LEVEL 3 PLAN - PLUMBING
 SCALE 1/8" = 1'-0"
 NOTES:
 1. FOR CLARITY NOT ALL PIPE SIZES ARE SHOWN; REFER TO RISER DIAGRAMS FOR ADDITIONAL SIZING INFORMATION.
 2. FOR CLARITY NOT ALL VALVES ARE SHOWN; REFER TO RISER DIAGRAMS FOR VALVE LOCATIONS.

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REGAN YOUNG ENGLAND BUTERA
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 NEW JERSEY 08602 USA
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Frank Tindall, P.E.
 PROFESSIONAL ENGINEER
 NJ 3686

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
**BUILDING RENOVATION
 LINDENWOLD SCHOOL #4**

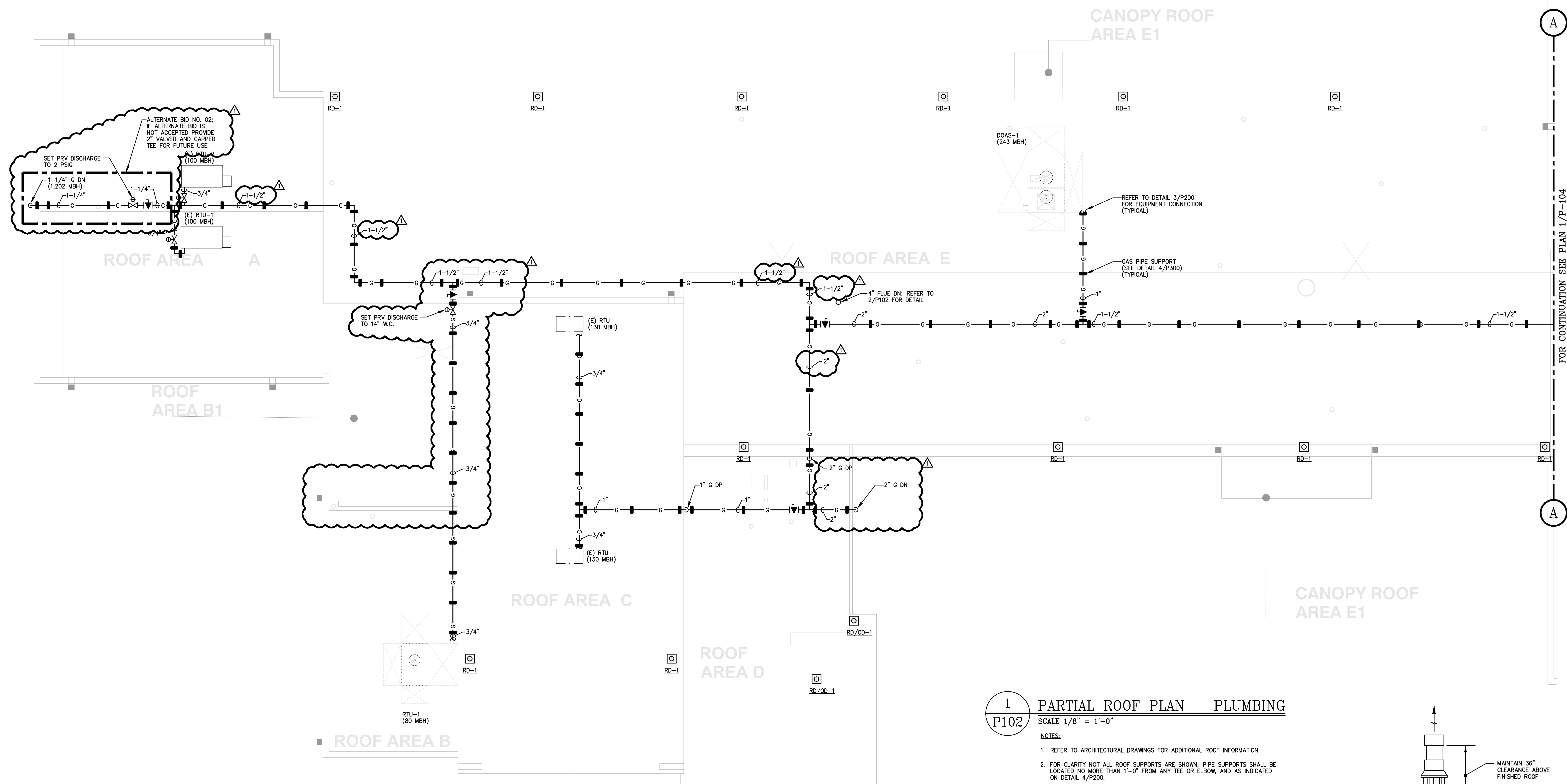
ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
 REVISION DATE: **18 FEB 2025**

DRAWING DATE: **18 OCT 2024**
 PRINT DATE: **18 OCT 2024**
 DRAWN BY: **ACL**
 SHEET TITLE: **LEVEL 1 AND LEVEL 3
 FLOOR PLANS -
 PLUMBING**

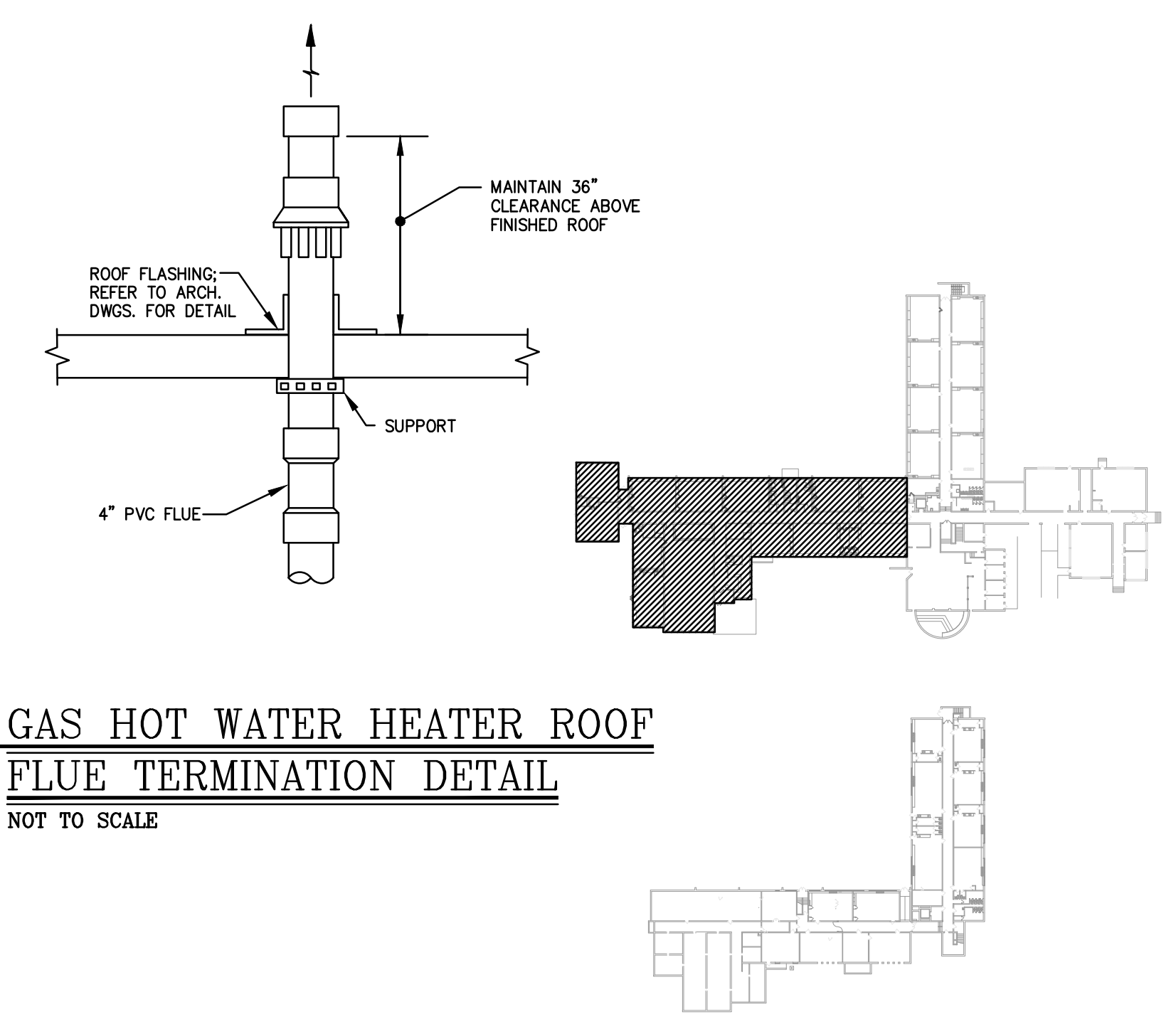
P-100



1 PARTIAL ROOF PLAN - PLUMBING
 SCALE: 1/8" = 1'-0"

- NOTES:
- REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL ROOF INFORMATION.
 - FOR CLARITY NOT ALL ROOF SUPPORTS ARE SHOWN; PIPE SUPPORTS SHALL BE LOCATED NO MORE THAN 1'-0" FROM ANY TEE OR ELBOW, AND AS INDICATED ON DETAIL 4/P200.

2 GAS HOT WATER HEATER ROOF FLUE TERMINATION DETAIL
 NOT TO SCALE



THIS DRAWING FORMATTED TO BE PRINTED FULL SIZE AT 36" x 42" - DO NOT SCALE DRAWINGS

KELTER & GILLIG
 CIVIL ENGINEERING & ARCHITECTURE
 1000 ROUTE 100
 PRINCETON JUNCTION, NEW JERSEY 08530

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 458 HIGH STREET - MT. HOLLY, NEW JERSEY 08060 USA
 +1 609 686 2650/303 685 8384 • 3140010100 • RYEB@GMAIL.COM

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
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PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:
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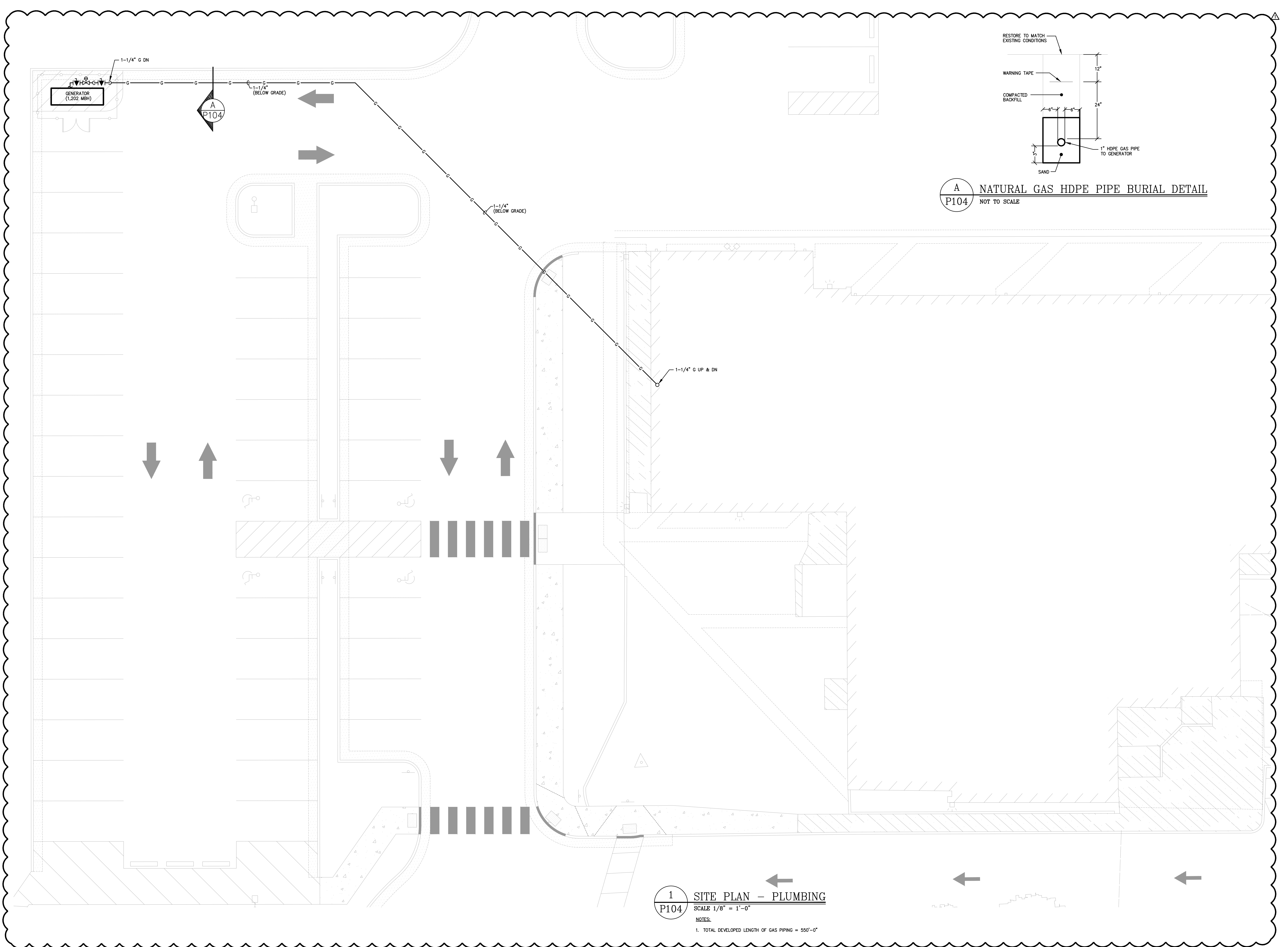
DRAWN BY: **ACL**

SHEET TITLE: **PARTIAL ROOF PLAN - PLUMBING**

P-102

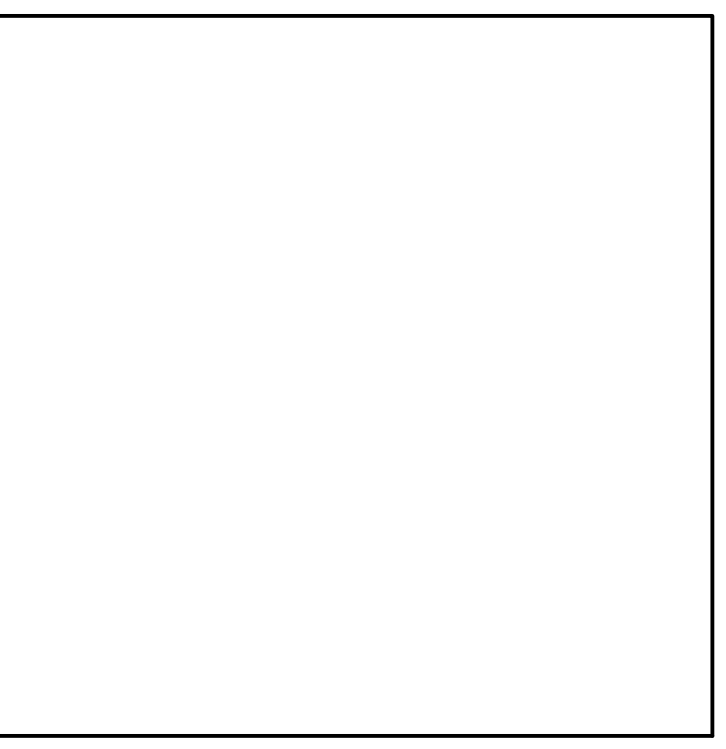
P-102

P-102



A
P104 NATURAL GAS HDPE PIPE BURIAL DETAIL
 NOT TO SCALE

1
P104 SITE PLAN - PLUMBING
 SCALE 1/8" = 1'-0"
 NOTES:
 1. TOTAL DEVELOPED LENGTH OF GAS PIPING = 550'-0"



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 REGISTERED PROFESSIONAL ARCHITECTS
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REGAN YOUNG, AIA
 21A00912100

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
**BUILDING RENOVATION
 LINDENWOLD SCHOOL #4**

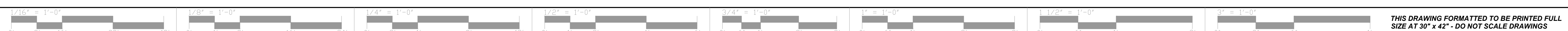
ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

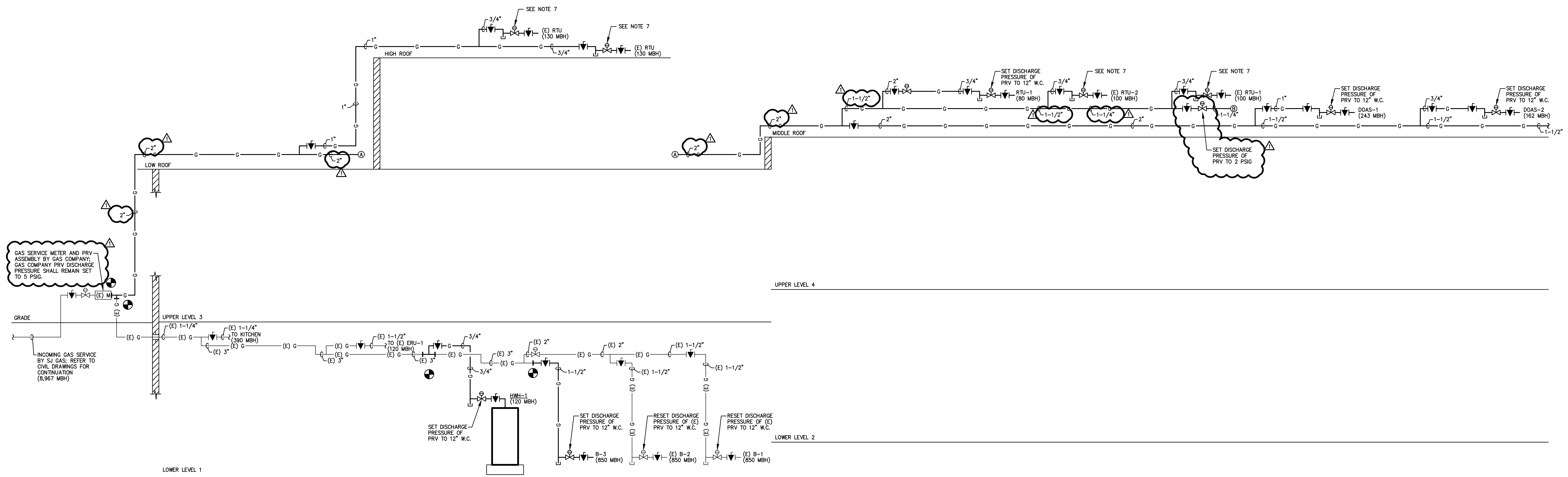
PROJECT NO.: **5743F, H, O**

SUBMISSION DATE:	
REVISION DATE:	18 FEB 2025

DRAWING DATE:	18 OCT 2024
PRINT DATE:	18 OCT 2024
DRAWN BY:	ACL
SHEET TITLE:	SITE PLAN - PLUMBING

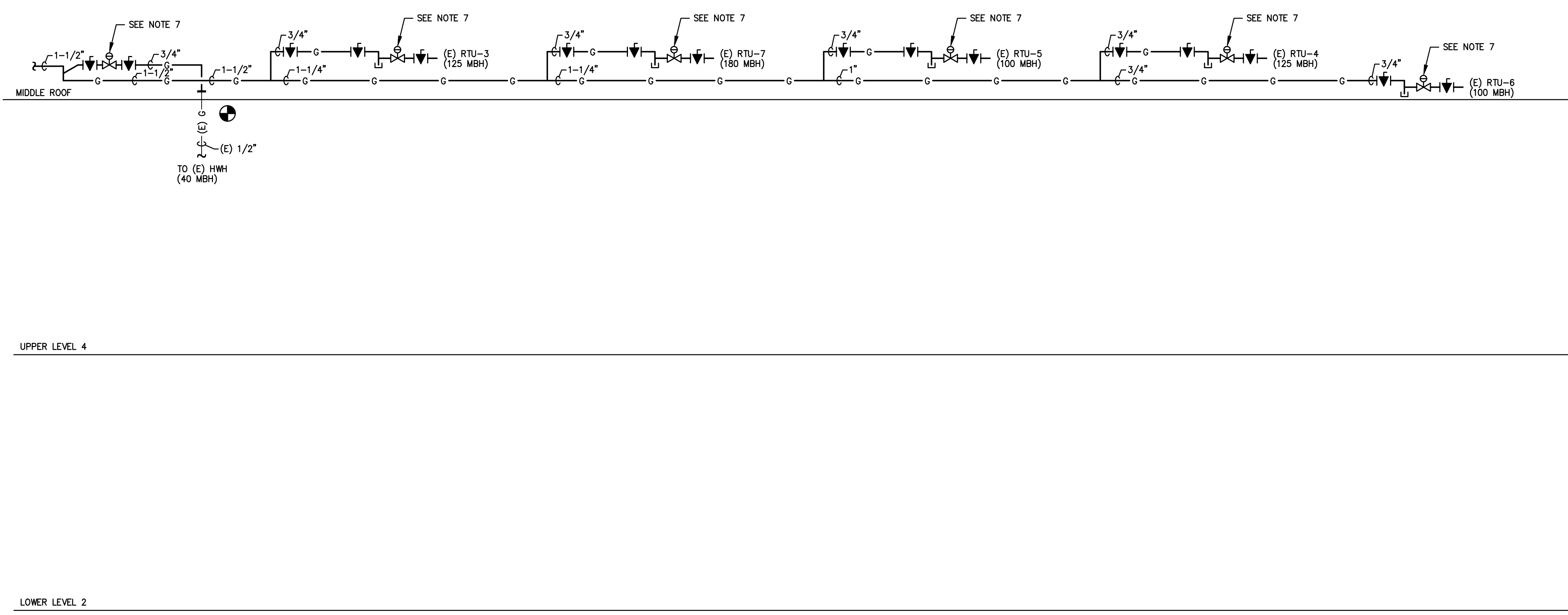
P-104





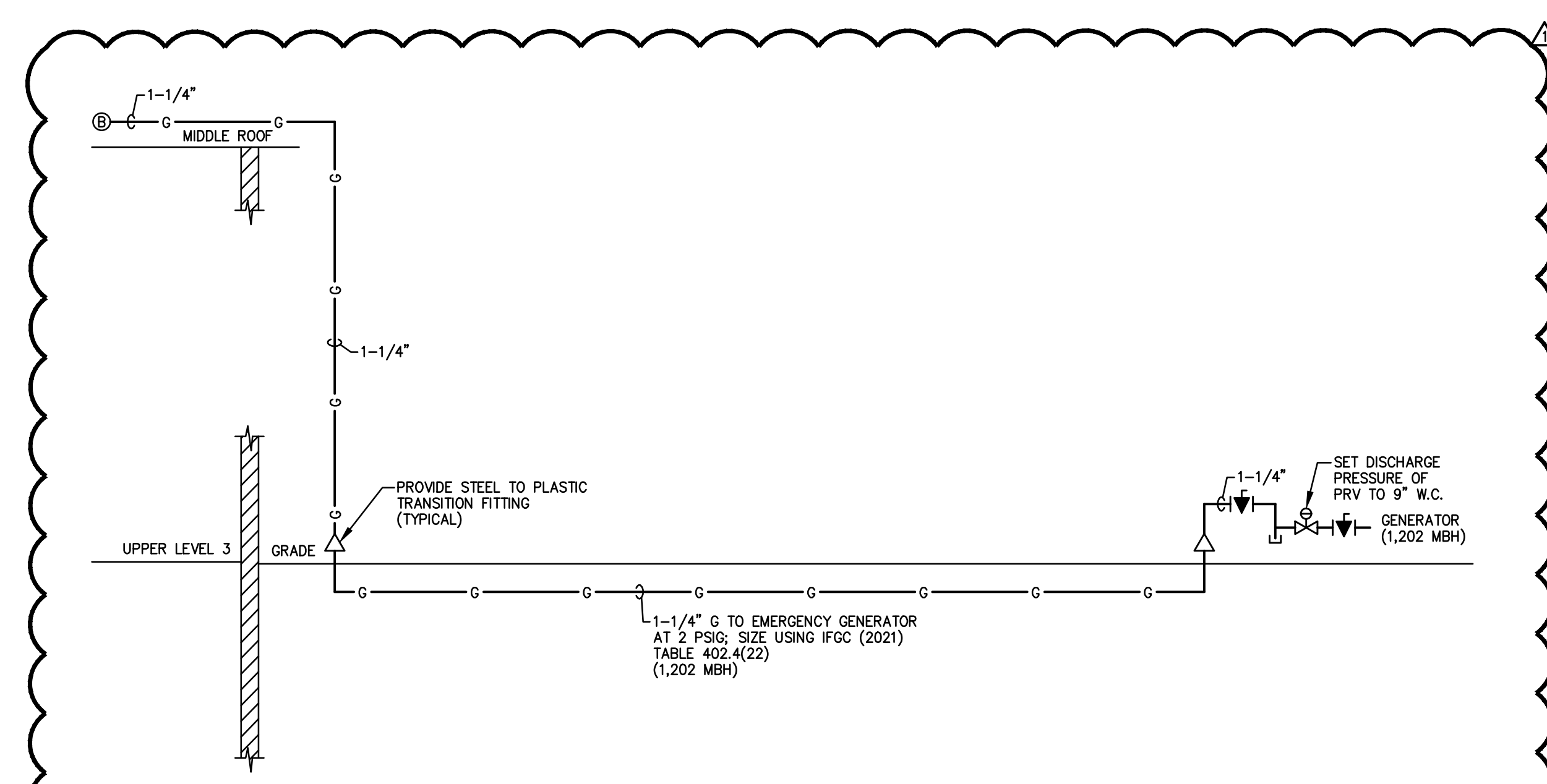
1 NATURAL GAS RISER DIAGRAM – PLUMBING
P300 SCHEMATIC

- NOTES:**
- TOTAL DEVELOPED LENGTH OF GAS PIPING = 550'-0"
 - ALL GAS PRV'S SHALL BE EQUIMETER LOCK-UP TYPE OR APPROVED EQUAL, AND APPROVED BY SOUTH JERSEY GAS.
 - ALL EXTERIOR GAS PRV'S SHALL BE INSTALLED SUCH THAT VENT OPENINGS POINT DOWN AND PROVIDE WITH INSECT SCREEN.
 - ROOFTOP GAS PRV VENT LINES SHALL BE EXTENDED TO TERMINATE MINIMUM 10'-0" FROM OUTSIDE AIR INTAKE OF RTUS AND DOAS UNITS; PROVIDE GOOSENECKS AND INSECT SCREENS.
 - ALL INTERIOR GAS PRV'S SHALL BE VENTED TO EXTERIOR OF BUILDING PER INTERNATIONAL FUEL GAS CODE (2021); USE OF VENT LIMITERS IS SPECIFICALLY PROHIBITED; PROVIDE GOOSENECKS AND INSECT SCREENS.
 - ALL GAS PIPING SHALL BE SIZED PER INTERNATIONAL FUEL GAS CODE (2021) TABLE 402.4(4) EXCEPT AS OTHERWISE NOTED.
 - RESET PRV'S FOR EXISTING GAS-FIRED EQUIPMENT PER ORIGINAL MANUFACTURER'S WRITTEN INSTRUCTIONS.



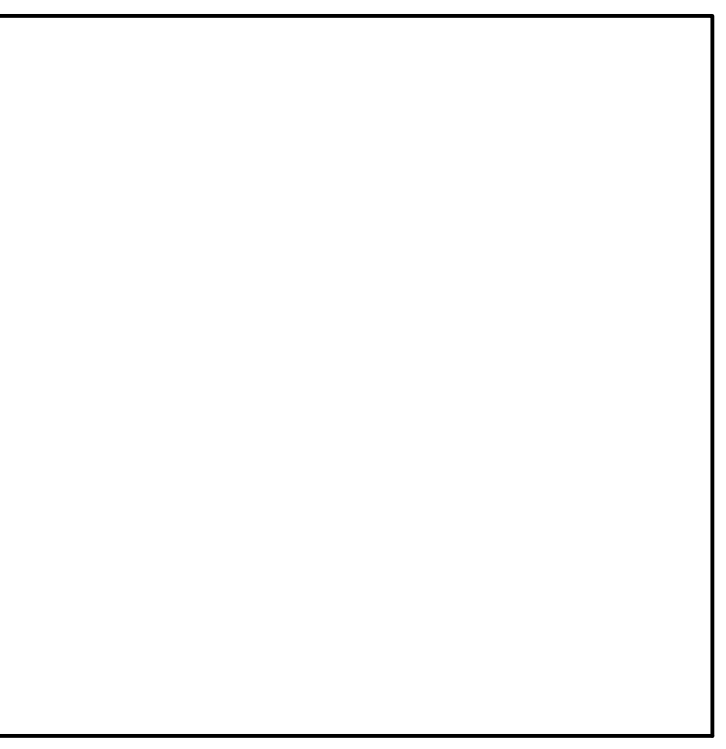
2 NATURAL GAS RISER DIAGRAM – PLUMBING
P300 SCHEMATIC

- NOTES:**
- TOTAL DEVELOPED LENGTH OF GAS PIPING = 550'-0"
 - ALL GAS PRV'S SHALL BE EQUIMETER LOCK-UP TYPE OR APPROVED EQUAL, AND APPROVED BY SOUTH JERSEY GAS.
 - ALL EXTERIOR GAS PRV'S SHALL BE INSTALLED SUCH THAT VENT OPENINGS POINT DOWN AND PROVIDE WITH INSECT SCREEN.
 - ROOFTOP GAS PRV VENT LINES SHALL BE EXTENDED TO TERMINATE MINIMUM 10'-0" FROM OUTSIDE AIR INTAKE OF RTUS AND DOAS UNITS; PROVIDE GOOSENECKS AND INSECT SCREENS.
 - ALL INTERIOR GAS PRV'S SHALL BE VENTED TO EXTERIOR OF BUILDING PER INTERNATIONAL FUEL GAS CODE (2021); USE OF VENT LIMITERS IS SPECIFICALLY PROHIBITED; PROVIDE GOOSENECKS AND INSECT SCREENS.
 - ALL GAS PIPING SHALL BE SIZED PER INTERNATIONAL FUEL GAS CODE (2021) TABLE 402.4(4) EXCEPT AS OTHERWISE NOTED.
 - RESET PRV'S FOR EXISTING GAS-FIRED EQUIPMENT PER ORIGINAL MANUFACTURER'S WRITTEN INSTRUCTIONS.



3 NATURAL GAS RISER DIAGRAM – ALTERNATE BID NO. 02 – PLUMBING
P300 SCHEMATIC

- NOTES:**
- TOTAL DEVELOPED LENGTH OF GAS PIPING = 550'-0"
 - ALL GAS PRV'S SHALL BE EQUIMETER LOCK-UP TYPE OR APPROVED EQUAL, AND APPROVED BY SOUTH JERSEY GAS.
 - ALL EXTERIOR GAS PRV'S SHALL BE INSTALLED SUCH THAT VENT OPENINGS POINT DOWN AND PROVIDE WITH INSECT SCREEN.
 - ALL ABOVE GROUND GAS PIPING SHALL BE SIZED PER INTERNATIONAL FUEL GAS CODE (2021) TABLE 402.4(4) EXCEPT AS OTHERWISE NOTED.
 - ALL UNDERGROUND GAS PIPING SHALL BE SIZED PER INTERNATIONAL FUEL GAS CODE (2021) TABLE 402.4(2) EXCEPT AS OTHERWISE NOTED.



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 PROFESSIONAL ENGINEERS - ARCHITECTS - DESIGN
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 +1 609 986 2650/5058384 • 5140001100 • 1REBREGAD.COM

REGAN YOUNG, AIA
 21400912100

NJDOE PROJECT NUMBERS
 HVAC- 2670-040-23-R503
 ROOF- 2670-040-23-R501

NJSDA PROJECT NUMBERS
 HVAC- 2670-040-23-G5KN
 ROOF- 2670-050-23-G5KM

NJSDA GRANT NUMBERS
 HVAC- G5-6677
 ROOF- G5-6676

PROJECT TITLE:
BUILDING RENOVATION LINDENWOLD SCHOOL #4

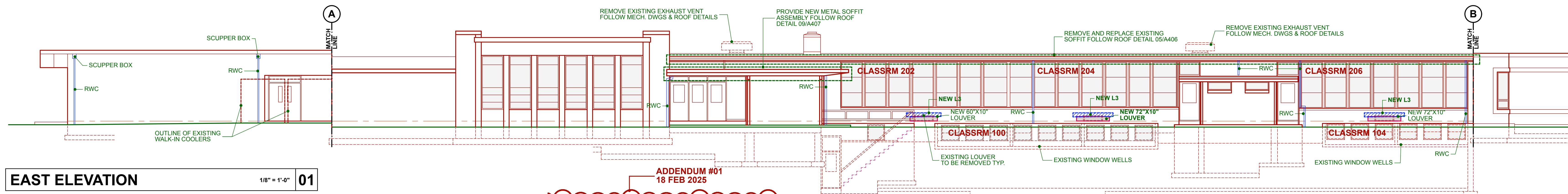
ADDRESS:
**LINDENWOLD SCHOOL #4
 BLOCK 64, LOT 1; BLOCK 65, LOT 1
 & BLOCK 66, LOT 1
 900 EAST GIBBSBORO ROAD
 LINDENWOLD, NJ 08021**

PROJECT NO.: **5743F, H, O**

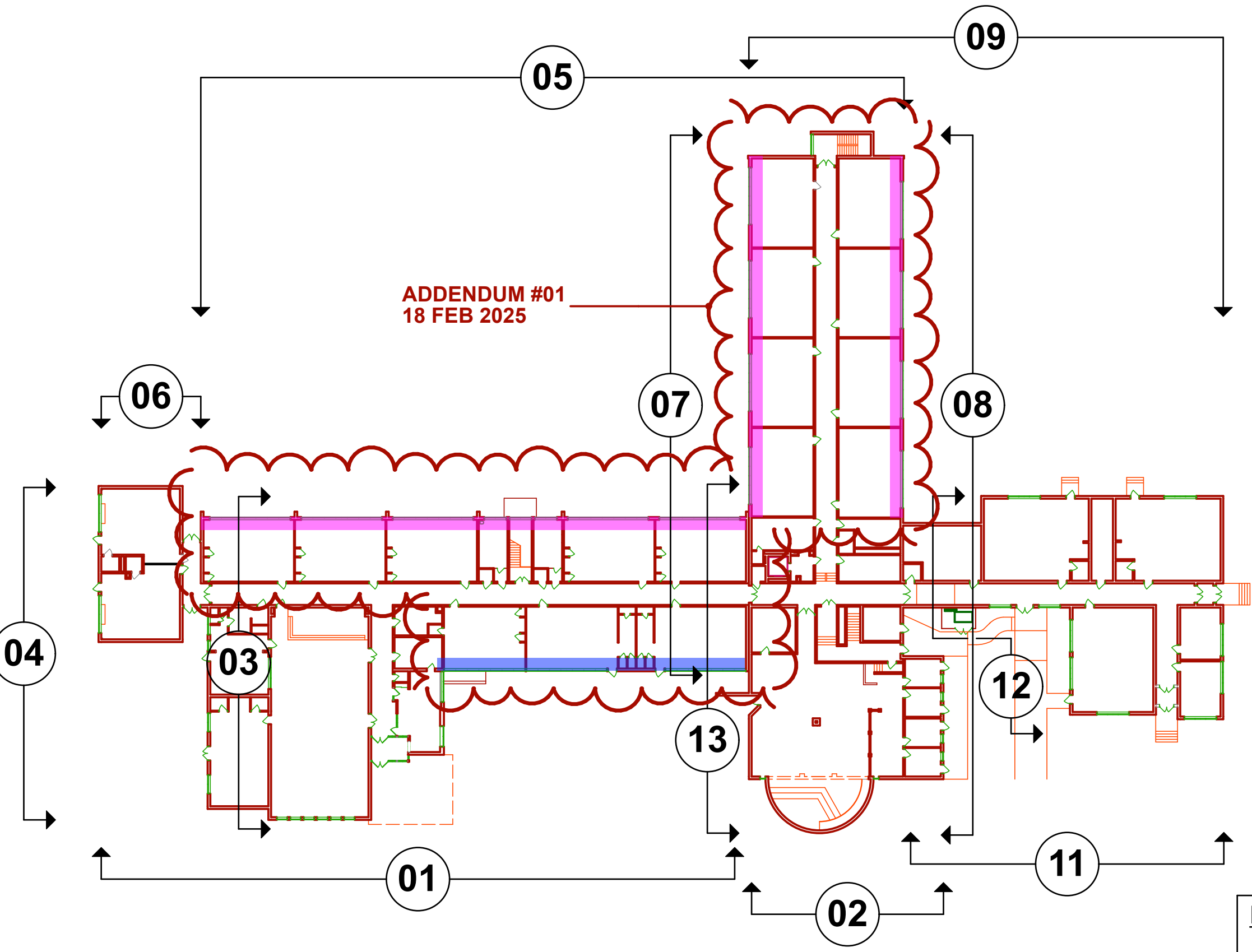
SUBMISSION DATE:	
REVISION DATE:	18 FEB 2025

DRAWING DATE:	18 OCT 2024
PRINT DATE:	18 OCT 2024
DRAWN BY:	ACL
SHEET TITLE:	NATURAL GAS RISER DIAGRAM - PLUMBING

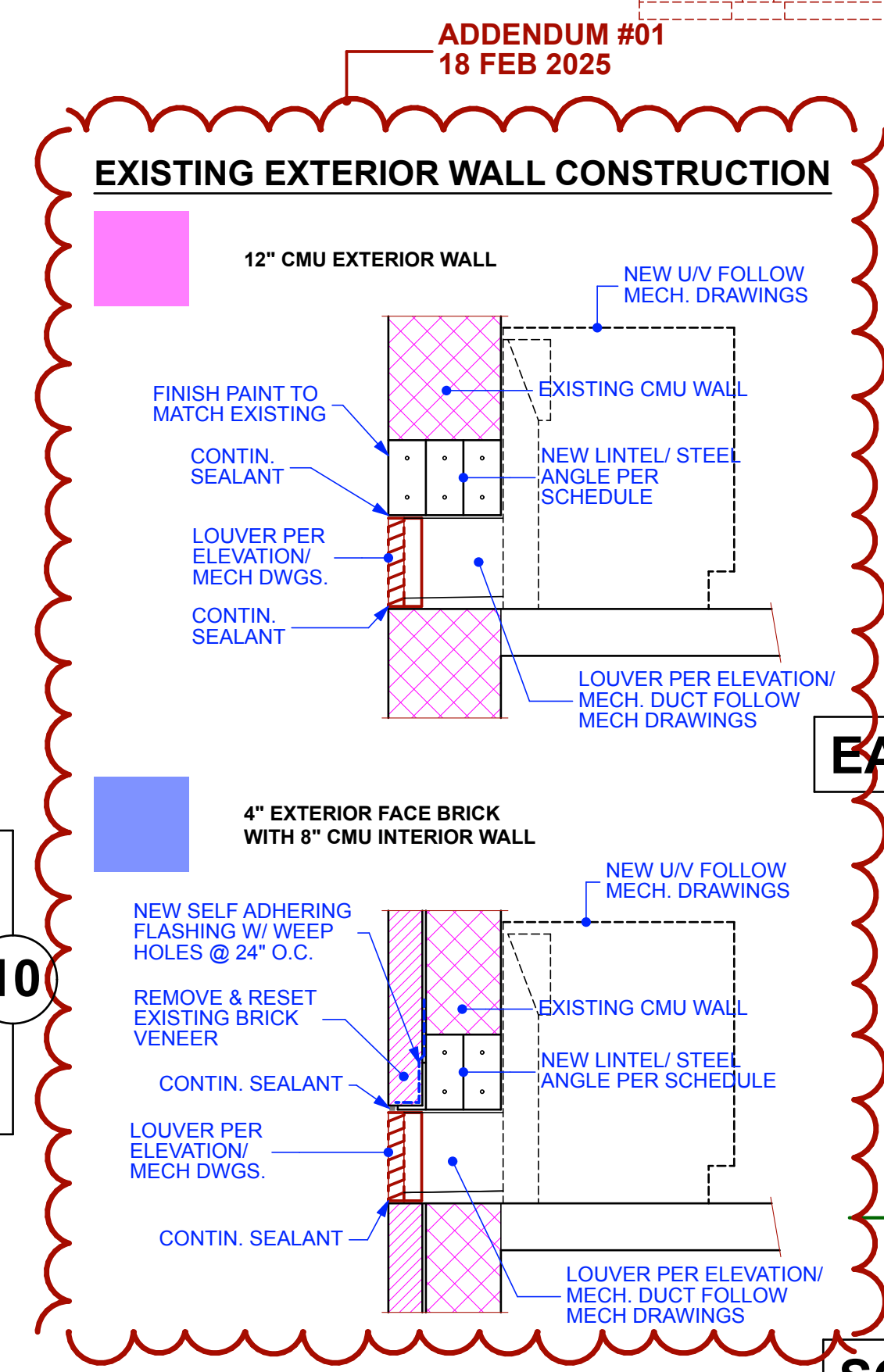
P-300



EAST ELEVATION 1/8" = 1'-0" **01**



ELEVATION KEY NTS **00**

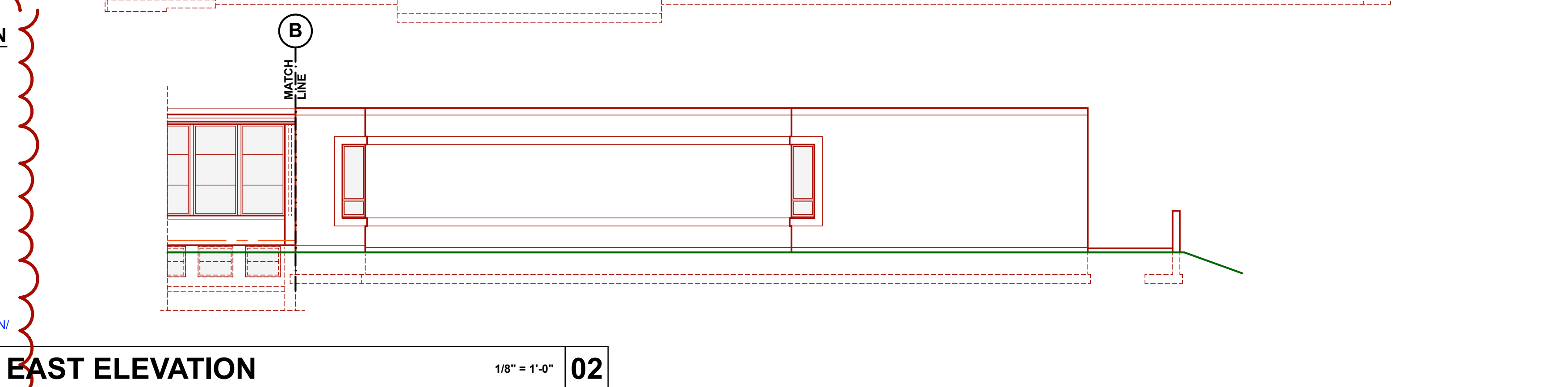


ADDENDUM #01
18 FEB 2025

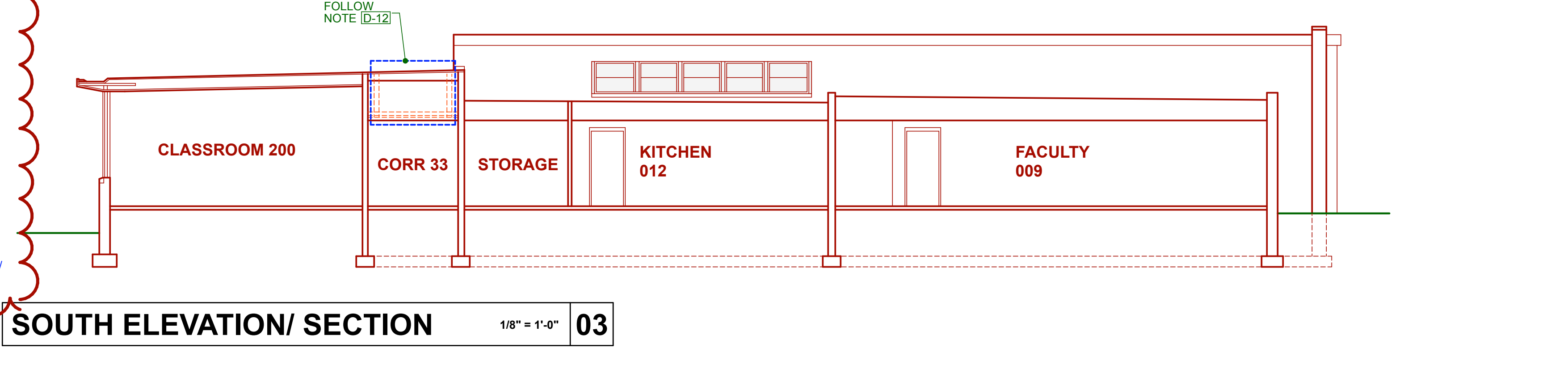
LOOSE LINTEL SCHEDULE - NOTES:

- PROVIDE ONE (1) GALV. STEEL ANGLE FOR EACH MASONRY WIDTH. (MIN. 4" BEARING) FOR MASONRY WALL/ BRICK VENEER TYPE WALL.
- BEAR LINTELS 8" MINIMUM EACH SIDE OF OPENING.

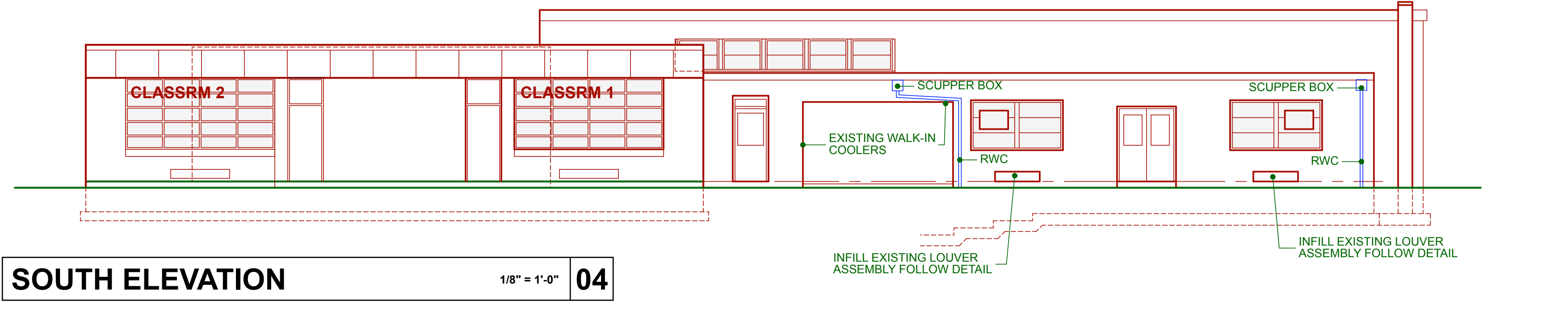
LINTEL TYPE	MASONRY OPENING	LINTEL DESCRIPTION	PROFILE
L-1	2'-5'-0"	8" THICK CMU WALL (2) PIECES 4"x8" PRECAST CONCRETE LINTEL W/ #4 BARS TOP AND BOTTOM.	
L-2	6'-0"	12" THICK CMU WALL (3) PIECES 4"x8" PRECAST CONCRETE LINTEL W/ #4 BARS TOP AND BOTTOM.	
L-3	6'-0"	8" THICK CMU WALL (2) PIECES 4"x8" PRECAST CONCRETE LINTEL W/ #4 BARS TOP AND BOT. + 5"x 3 1/2"x 3/8" GALV. STEEL ANGLE. 8" THICK CMU WALL (3) PIECES 4"x8" PRECAST CONCRETE LINTEL W/ #4 BARS TOP AND BOT. + 5"x 3 1/2"x 3/8" GALV. STEEL ANGLE.	



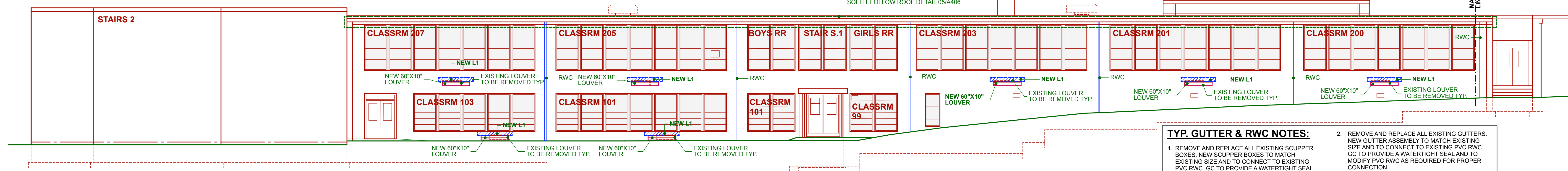
EAST ELEVATION 1/8" = 1'-0" **02**



SOUTH ELEVATION/ SECTION 1/8" = 1'-0" **03**



SOUTH ELEVATION 1/8" = 1'-0" **04**

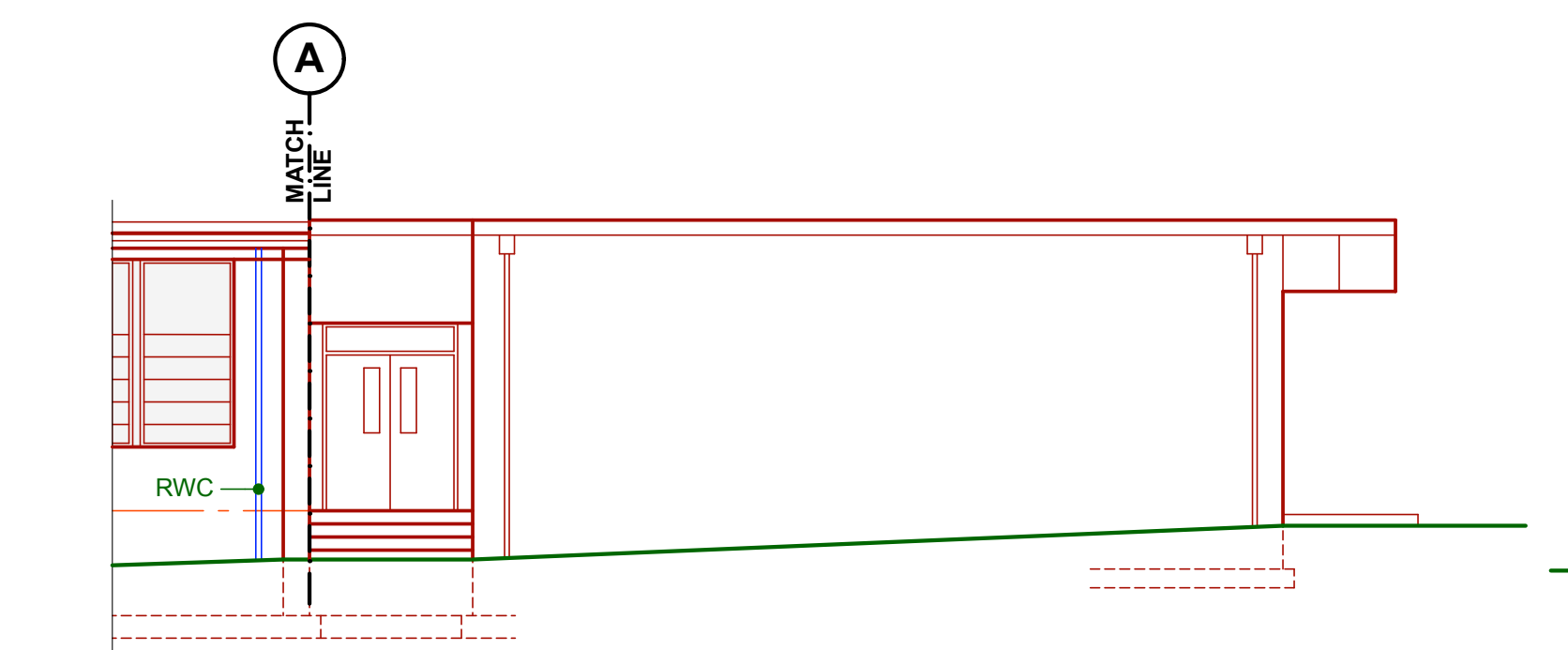


WEST ELEVATION 1/8" = 1'-0" **05**

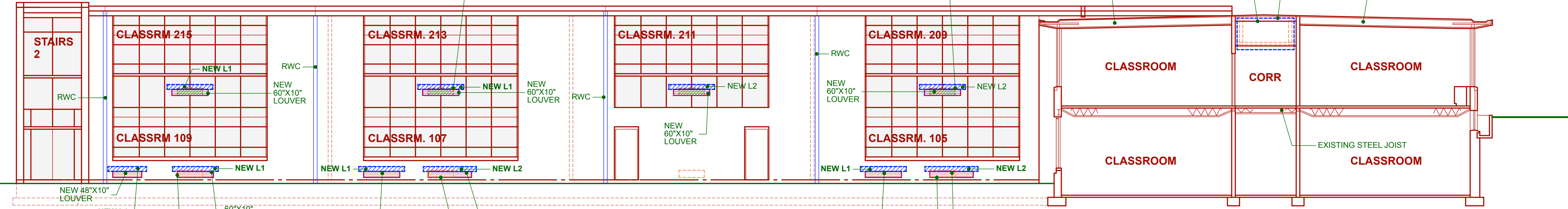
TYP. GUTTER & RWC NOTES:

- REMOVE AND REPLACE ALL EXISTING SCUPPER BOXES. NEW SCUPPER BOXES TO MATCH EXISTING SIZE AND TO CONNECT TO EXISTING PVC RWC. GC TO PROVIDE A WATERTIGHT SEAL AND TO MODIFY PVC RWC AS REQUIRED FOR PROPER CONNECTION.
- REMOVE AND REPLACE ALL EXISTING GUTTERS. NEW GUTTER ASSEMBLY TO MATCH EXISTING SIZE AND TO CONNECT TO EXISTING PVC RWC. GC TO PROVIDE A WATERTIGHT SEAL AND TO MODIFY PVC RWC AS REQUIRED FOR PROPER CONNECTION.
- REMOVE AND REPLACE EXISTING ALUMINUM RWC AND MATCH EXISTING SIZE. FOLLOW DETAIL FOR ADDITIONAL INFORMATION.

LINTEL NOTE:
ALL EXPOSED LINTELS SHALL BE PRIMED AND PAINTED TO MATCH EXISTING WALL FINISHES.



WEST ELEVATION 1/8" = 1'-0" **06**



SOUTH ELEVATION/ SECTION 1/8" = 1'-0" **07**

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NJDOE PROJECT NUMBERS
HVAC - 2670-040-23-R503
ROOF - 2670-040-23-R501

NJSDA PROJECT NUMBERS
HVAC - 2670-040-23-G5KN
ROOF - 2670-050-23-G5KM

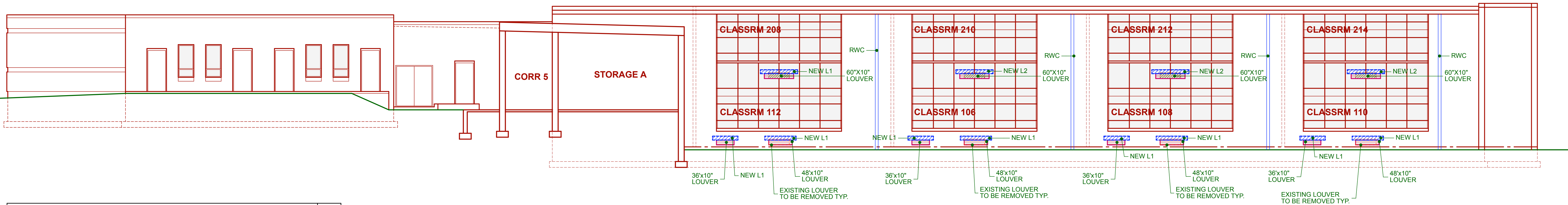
NJSDA GRANT NUMBERS
HVAC - G5-6677
ROOF - G5-6676

PROJECT TITLE:
BUILDING RENOVATION
LINDENWOLD SCHOOL #4

ADDRESS:
LINDENWOLD SCHOOL #4
BLOCK 64, LOT 1; BLOCK 65, LOT 1 & BLOCK 66, LOT 1
900 EAST GIBBSBORO ROAD
LINDENWOLD, NJ 08021

PROJECT NO.:	5743F,H,O
SUBMISSION DATE:	
REVISION DATE:	
DRAWING DATE:	18 OCT 2024
PRINT DATE:	18 February 2025
DRAWN BY:	RMR
SHEET TITLE:	ELEVATIONS

A200

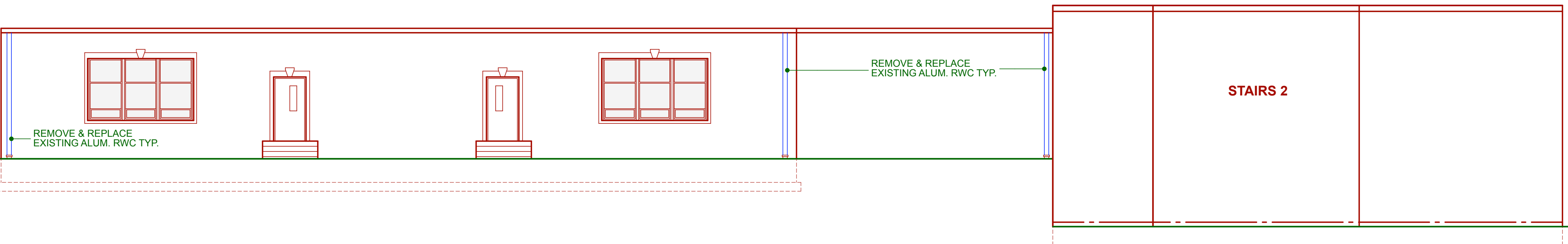


NORTH ELEVATION/ SECTION 1/8" = 1'-0" **08**

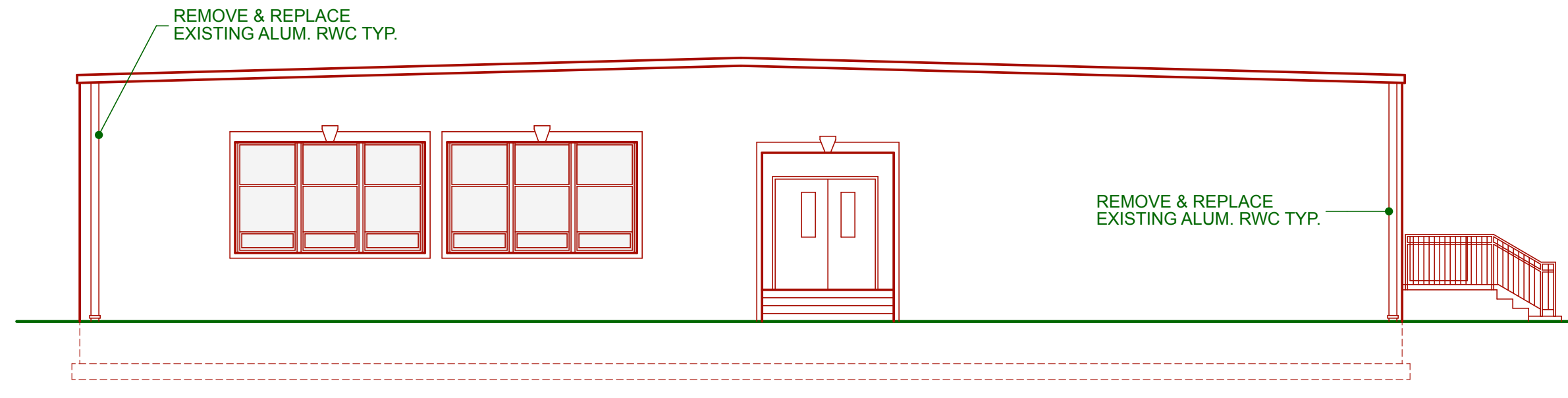
LINTEL NOTE:
ALL EXPOSED LINTELS SHALL BE PRIMED AND PAINTED TO MATCH EXISTING WALL FINISHES.

TYP. GUTTER & RWC NOTES:

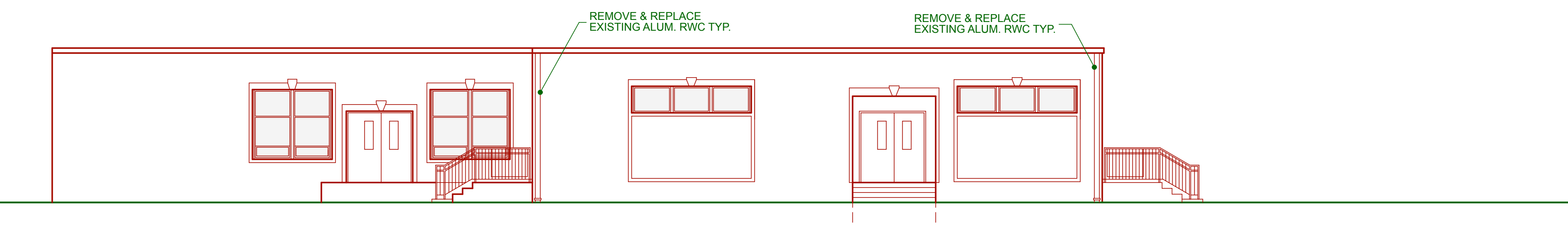
1. REMOVE AND REPLACE ALL EXISTING SCUPPER BOXES. NEW SCUPPER BOXES TO MATCH EXISTING SIZE AND TO CONNECT TO EXISTING PVC RWC. GC TO PROVIDE A WATERTIGHT SEAL AND TO MODIFY PVC RWC AS REQUIRED FOR PROPER CONNECTION.
2. REMOVE AND REPLACE ALL EXISTING GUTTERS. NEW GUTTER ASSEMBLY TO MATCH EXISTING SIZE AND TO CONNECT TO EXISTING PVC RWC. GC TO PROVIDE A WATERTIGHT SEAL AND TO MODIFY PVC RWC AS REQUIRED FOR PROPER CONNECTION.
3. REMOVE AND REPLACE EXISTING ALUMINUM RWC AND MATCH EXISTING SIZE. FOLLOW DETAIL FOR ADDITIONAL INFORMATION.



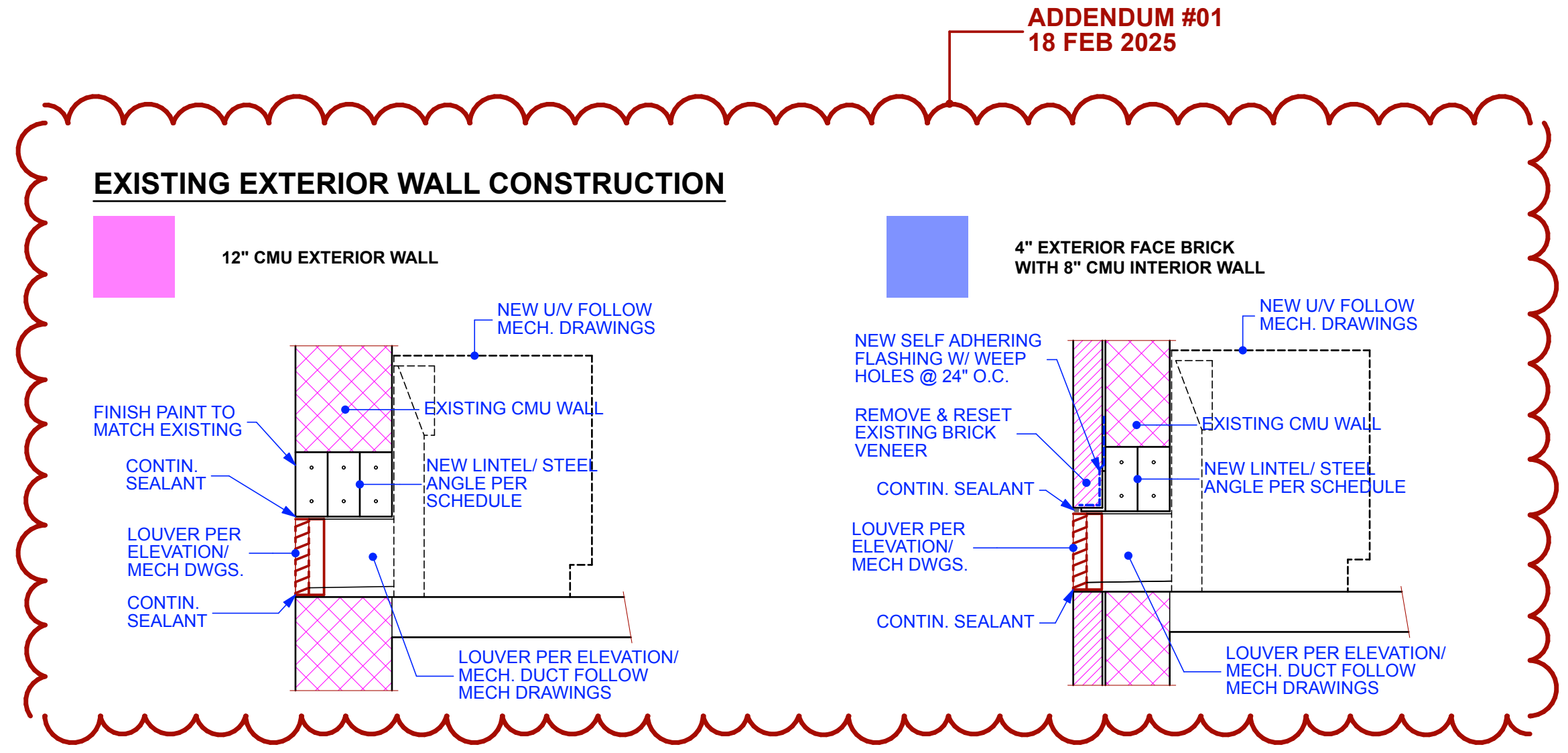
WEST ELEVATION 1/8" = 1'-0" **09**



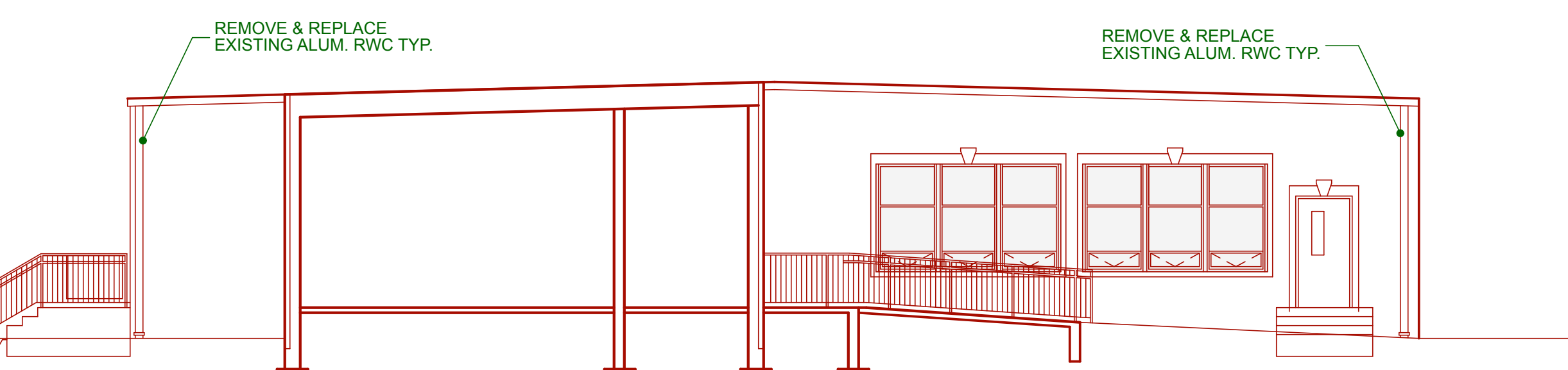
NORTH ELEVATION 1/8" = 1'-0" **10**



EAST ELEVATION/ SECTION 1/8" = 1'-0" **11**



ADDENDUM #01
18 FEB 2025

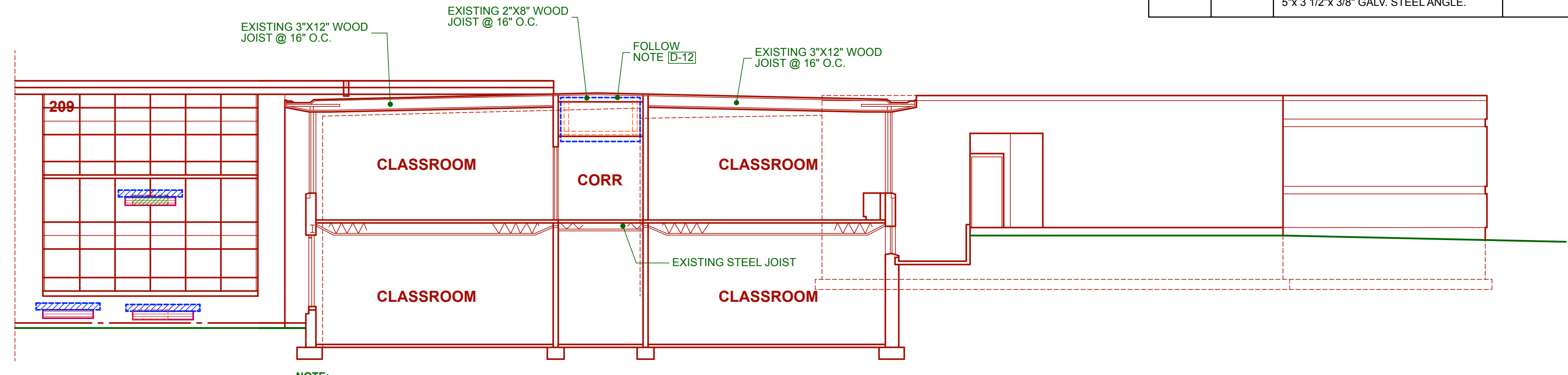


SOUTH ELEVATION/ SECTION 1/8" = 1'-0" **12**

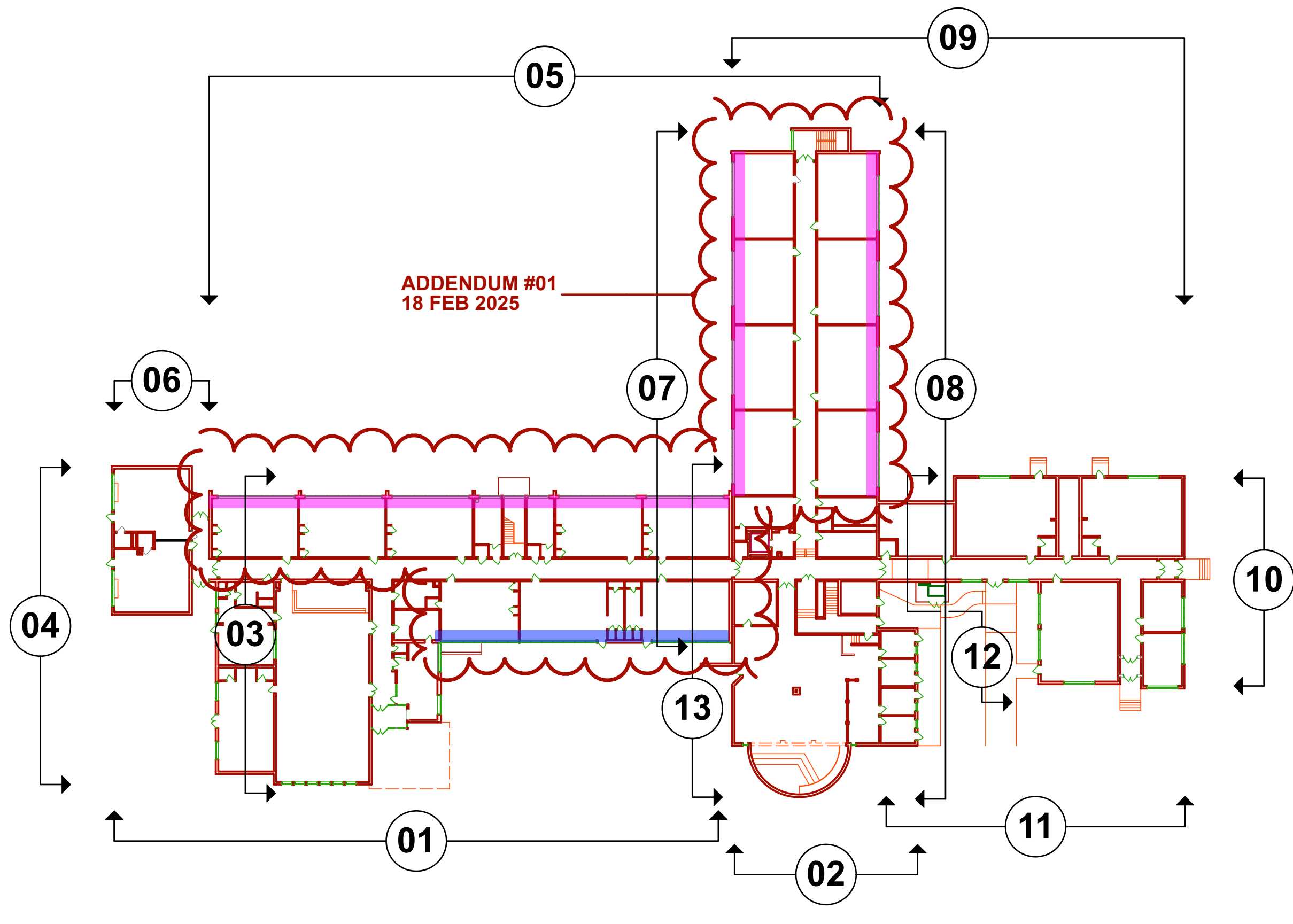
LOOSE LINTEL SCHEDULE- NOTES:

1. PROVIDE ONE (1) GALV. STEEL ANGLE FOR EACH MASONRY WIDTH. (MIN. 4" BEARING) FOR MASONRY WALL/ BRICK VENEER TYPE WALL.
2. BEAR LINTELS 8" MINIMUM EACH SIDE OF OPENING.

LINTEL TYPE	MASONRY OPENING	LINTEL DESCRIPTION	PROFILE
L-1	2'-5'-0"	8" THICK CMU WALL (2) PIECES 4"x8" PRECAST CONCRETE LINTEL W/ #4 BARS TOP AND BOTTOM.	
L-2		12" THICK CMU WALL (3) PIECES 4"x8" PRECAST CONCRETE LINTEL W/ #4 BARS TOP AND BOTTOM.	
L-3	6'-0"	8" THICK CMU WALL (2) PIECES 4"x8" PRECAST CONCRETE LINTEL W/ #4 BARS TOP AND BOT. + 5"x 3 1/2"x 3/8" GALV. STEEL ANGLE.	
		8" THICK CMU WALL (3) PIECES 4"x8" PRECAST CONCRETE LINTEL W/ #4 BARS TOP AND BOT. + 5"x 3 1/2"x 3/8" GALV. STEEL ANGLE.	



SOUTH ELEVATION/ SECTION 1/8" = 1'-0" **13**



ELEVATION KEY NTS **00**

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+1 609 662 6262 FAX: +1 609 662 6262 WWW: RYBUTERA.COM

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21A00912100

NJDOE PROJECT NUMBERS
HVAC - 2670-040-23-R503
ROOF - 2670-040-23-R501

NJSDA PROJECT NUMBERS
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SUBMISSION DATE:	
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SHEET TITLE: ELEVATIONS

A200.1

