

BID ADDENDUM NO. (2)

3/5/26

Prattsburgh Central School District
2025 Capital Improvements Project
2716-043

(SED #57-23-01-04-0-001-034 – Main Building)
(SED #57-23-01-04-0-008-012 – Agricultural Building)
(SED #57-23-01-04-0-002-012 – Auxiliary Building)
(SED #57-23-01-04-7012-001 – Toilet Room Facility)
(SED #57-23-01-04-2-005-001 – Home Dugout)

The following Addendum items shall be considered a part of the contract documents prepared by HUNT ENGINEERS, ARCHITECTS, LAND SURVEYORS & LANDSCAPE ARCHITECT, DPC. Bid Document date of (12/18/2025).

Clarifications issued by this Addendum:

1. Reference AX.0 Demolition plans Keynote D4 “REMOVE SUSPENDED CEILING SYSTEMS AND SOFFITS IN THEIR ENTIRETY. REPAIR DAMAGED WALL SCHEDULED TO REMAIN IN PLACE. PREPARE SURFACE FOR NEW FINISHES.” As it pertains to Ceiling Demo work.

Project Manual Sections issued by this Addendum:

01 21 00 - Allowances
07 46 16 -Aluminum Siding
28 10 00-Access Control
28 46 00-Fire Detection and Alarm
28 46 21.16-Existing Fire Alarm System

Drawings issued by this Addendum:

C - COVER SHEET
AD2-L1 BASEBALL BACKSTOP UPDATE
AD2-L2 SOFTBALL BACKSTOP UPDATE
AD2-L3 WAP AT SOCCER FIELD AND SCOREBOARD UPDATE
AD2-L4 SOFTBALL BACKSTOP FENCE UPDATE
AD2-A1 - ROOF DETAIL @ CANOPY EXTENSION - EXG. CANOPY
AD2-A2 – LOUVER INFILL @ EXTERIOR ELEVATION

AD2-A3- CRAWLSPACE PLAN – AREA B
AD2-A4 – GROUND FLOOR – AREA A TRENCHING @ FLOOR DRAIN
AD2-A5 – GROUND FLOOR – AREA A INFILL @ FLOOR DRAIN
AD2-A6 – SECTION @ EXHAUST VENTILATOR
AD2-H1 – MODIFICATIONS TO CORRIDOR 308 DUCTWORK
AD2-H2 – BASEMENT CONDENSATE SIZING
AD2-H3 – SECOND FLOOR CONDESATE SIZING
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MB-A2.1 – GROUND FLOOR RCP PLAN – AREA A
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MB-E0.5 - FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C
MB-E1.7 - SECOND FLOOR POWER PLAN - AREA B
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TR-A1.1 – FIRST FLOOR, CEILING AND ROOF PLANS
TR-A1.2 – ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS
TR-A1.3 – DUGOUT PLANS, ELEVATIONS, SECTIONS
TR-E1.1 – FIRST FLOOR ELECTRICAL PLAN
TR-E3.1 - DETAILS AND SCHEDULES
AX-A1.1 – AUXILIARY ROOF PLANS
AG-E3.1 - DETAILS AND SCHEDULES

Revisions to Project Manual issued by this Addendum:

ITEM AD2-1 Refer to Section 01 21 00 – Allowances

ADD Specification 01 21 00 – Allowances, issued by addendum.

ITEM AD2-2 Refer to Section 07 46 16 – Aluminum Siding

ADD Specification 07 46 16 – Aluminum Siding, issued by addendum.

ITEM AD2-3 Refer to Section 08 33 13 – COILING COUNTER DOORS

ADD Paragraph 2.1, B. to read as “B. Cornell: www.cornelliron.com”

ITEM AD2-4 Refer to Section 23 21 13 – HYDRONIC PIPING

ADD Paragraph 2.2, C, 3 to read:

“3. Mechanical Press Sealed Fittings: Double pressed type complying with ASME B16.51, utilizing EPDM, nontoxic synthetic rubber sealing elements.”

ITEM AD2-5 Refer to Section 23 23 00 – REFRIGERANT PIPING

ADD Paragraph 2.3, A, 3 to read:

“3. Mechanical Press Fittings: Double-pressed type complying with UL 207 and ICC (IMC)-2018.”

ITEM AD2-6 Refer to Section 23 23 00 – REFRIGERANT PIPING

ADD Paragraph 2.3, B, 3 to read:

“3. Mechanical Press Fittings: Double-pressed type complying with UL 207 and ICC (IMC)-2018.”

ITEM AD2-7 Refer to Section 23 31 00 – HVAC DUCTS AND CASINGS

AMEND Paragraph 3.2, B to read:

“B. Clean all modified existing ducts that are to remain and new duct systems with high-power vacuum machines. Protect equipment that could be harmed by excessive dirt with filters or bypass during cleaning. Provide adequate access to the ductwork for cleaning purposes. If new ductwork is protected for the entire duration of construction cleaning may not be required but any unclean ductwork regardless if it is new or existing will be subject to cleaning requirements.”

ITEM AD2-8 Refer 28 10 00-Access Control

DELETE Specification Section 28 10 00 - Summary in its entirety.

ADD Specification Section 28 10 00 – Summary, issued by this addendum.

ITEM AD2-9 Refer 28 46 00-Fire Detection and Alarm

DELETE Specification Section 28 46 00 - Summary in its entirety.

ADD Specification Section 28 46 00 – Summary, issued by this addendum.

ITEM AD2-10 Refer 28 46 21.16-Existing Fire Alarm System

ADD Specification Section 28 46 21.16 – Summary, issued by this addendum.

Revisions to Drawings issued by this Addendum:

ITEM AD2-11 Refer to Drawing C - COVER SHEET

DELETE C – COVER SHEET in its entirety.

ADD Drawing C – COVER SHEET, issued by this addendum.

ITEM AD2-12 Refer to Drawings MB-A0.X – DEMOLITION PLANS

AMEND Demolition Keynote D2 to read: “REMOVE MASONRY PARTITIONS COMPLETELY UP TO EXISTING DECK OR STRUCTURE ABOVE TO EXTENTS SHOWN ON PLAN. DEMOLITION TO INCLUDE BASE, DOORS, FRAMES, GLAZING AND WALL MOUNTED/RECESSED ACCESSORIES, CASEWORK AND EQUIPMENT. REPAIR DAMAGED WALLS, FLOORING AND ADJACENT SURFACES SCHEDULED TO REMAIN IN PLACE AFTER DEMOLITION. PREPARE FOR NEW SURFACE.”

AMEND Demolition Keynote D7 to read: “REMOVE EXISTING VCT FLOORING AND BASE IN ITS ENTIRETY. PATCH ADJACENT SURFACES DISTURBED BY DEMOLITION. PREPARE CONCRETE SLAB FOR INSTALLATION OF NEW FINISHES.”

AMEND Demolition Keynote D18 to read: “NOT USED.”

AMEND Demolition Keynote D23 to read: “PARTIALLY REMOVE SUSPENDED BAFFLE SYSTEM AS REQUIRED FOR HVAC PIPING SCOPE. REFER TO “H” SERIES DWGS FOR EXTENT. RETAIN FOR REINSTALLATION.”

ITEM AD2-13 Refer to Drawings MB-A0.1 – GROUND FLOOR DEMO PLAN – AREA A

AMEND Detail 1 per drawing AD2-A4 – GROUND FLOOR AREA A TRENCHING @ FLOOR DRAIN as issued by this addendum.

ITEM AD2-14 Refer to Drawings MB-A0.2 – FIRST FLOOR DEMO PLAN – AREA A

ADD Demolition Note “D20” to rooms 204, 207, 208A.

ITEM AD2-15 Refer to Drawings MB-A0.7 – SECOND FLOOR DEMO PLAN – AREA C

DELETE Demolition note D4 from rooms 340 and 334.

ITEM AD2-16 Refer to Drawings MB-A1.X – CONSTRUCTION PLANS

ADD Construction Keynote 16 to read: “REMOVE EXISTING FOUNDATION HVAC LOUVER IN ITS ENTIRETY. REPAIR AND PREP EXISTING SURFACES FOR NEW WORK. INFILL FOUNDATION OPENING WITH 4” CMU AT PERIMETER WITH BACKERROD & CAULK INTERIOR SIDE OF CMU INFILL PROVIDE 4” OF

POLYISO, HAT TRACK AND 5/8" GYPSUM INTERIOR FACE. TAPE AND PAINT INTERIOR GYP.

ITEM AD2-17 Refer to Drawing MB-A1.3 GROUND FLOOR PLAN – AREA A

AMEND Detail #1 as shown on drawing AD2-A3 – CRAWLSPACE PLAN – AREA B, issued with this addendum.

AMEND Detail #1 as shown on drawing AD2-A5 – GROUND FLOOR – AREA A INFILL @ FLOOR DRAIN as issued by this addendum.

ITEM AD2-18 Refer to Drawing MB-A1.11 ROOF PLAN - AREA A

AMEND Detail #1 as shown on drawing AD2-A1 - ROOF DETAIL @ CANOPY EXTENSION - EXG. CANOPY, issued with this addendum.

ITEM AD2-19 Refer to Drawing MB-A2.7 – SECOND FLOOR RCP PLAN – AREA C

DELETE Sheet MB-A2.7 – SECOND FLOOR RCP PLAN – AREA C in its entirety.

ITEM AD2-20 Refer to Drawing MB-A3.1 – EXTERIOR ELEVATIONS

AMEND Detail #1 as shown on drawing AD2-A2 – LOUVER INFILL @ EXTERIOR ELEVATION, issued with this addendum.

ITEM AD2-21 Refer to Drawing MB-A5.4 – ENLARGED PLANS, ELEVATIONS & SCHEDULE

DELETE Sheet MB-A5.4 –ENLARGED TOILET ROOM PLANS & SCHEDULE in its entirety.

ADD Sheet MB-A5.4 – ENLARGED PLANS, ELEVATIONS & SCHEDULE, issued with this addendum.

ITEM AD2-22 Refer to Drawing TR-A1.1 – FIRST FLOOR, CEILING AND ROOF PLANS

DELETE Sheet TR-A1.1 – FIRST FLOOR, CEILING AND ROOF PLANS in its entirety.

ADD Sheet TR-A1.1 – FIRST FLOOR, CEILING AND ROOF PLANS, issued with this addendum.

ITEM AD2-23 Refer to Drawing TR-A1.2 – ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS

DELETE Sheet TR-A1.2 – ENLARGED RESTROOM PLANS & INTERIOR in its entirety.

ADD Sheet TR-A1.2 – ENLARGED RESTROOM PLANS & INTERIOR, issued with this addendum.

ITEM AD2-24 Refer to Drawing TR-A1.3 – DUGOUT PLANS, ELEVATIONS, SECTIONS

DELETE Sheet TR-A1.3 – ENLARGED DUGOUT PLANS, ELEVATIONS, SECTIONS in its entirety.

ADD Sheet TR-A1.3 – ENLARGED DUGOUT PLANS, ELEVATIONS, SECTIONS, issued with this addendum.

ITEM AD2-25 Refer to Drawing TR-A3.2 BUILDING SECTIONS & DETAILS

ADD Detail 1 from AD2-A6 – SECTION @ EXHAUST VENTILATOR as issued by this addendum.

ITEM AD2-26 Refer to Drawing AX-A1.1 - AUXILIARY ROOF PLAN

DELETE Sheet AX-A1.1 – AUXILIARY ROOF PLAN in its entirety.

ADD Sheet AX-A1.1 – AUXILIARY ROOF PLANS, issued by this addendum.

ITEM AD2-27 Refer to Drawing MB-H1.4 – SECOND FLOOR NEW WORK PLAN – AREA B & C

AMEND Scope of work to include changes shown on AD2-H1 – MODIFICATIONS TO CORRIDOR 308 DUCTWORK issued in this addendum.

ITEM AD2-28 Refer to Drawing MB-H2.1 – GROUND FLOOR PIPING PLAN

AMEND Detail #1 as shown on AD2-H2 – BASEMENT CONDENSATE SIZING as issued by this addendum.

ITEM AD2-29 Refer to Drawing MB-H2.3 – SECOND FLOOR PIPING PLAN

AMEND Detail #1 as shown on AD2-H3 – SECOND FLOOR CONDENSATE SIZING as issued by this addendum.

ITEM AD2-30 Refer to Drawing MB-H3.1 – SCHEDULE

DELETE Drawing MB-H3.1 – SCHEDULE in its entirety.

ADD Drawing MB-H3.1 – SCHEDULE issued in this addendum.

ITEM AD2-31 Refer to Drawing MB-P1.1 – FIRST FLOOR SANITARY PLANS

ADD Detail #1 as shown on AD2-P1 – BOILER ROOM PLANS as issued by this addendum.

ADD Detail #1 as shown on AD2-P2 – GROUND FLOOR SANITARY PLAN – AREA A

ITEM AD2-32 Refer to Drawing L2.1-SITE IMPROVEMENT PLAN

DELETE Note 48 completely.

ITEM AD2-33 Refer to Drawing L2.1-SITE IMPROVEMENT PLAN

ADD 'AT 12' TALL PROVIDE OPENING IN NET SYSTEM ADAQUATE FOR CAMERA MOUNTED BEHIEND BACKSTOP. COORDINATE FINAL SIZE WITH INSTALLED CAMERA. ASSUME MINNIMALLY 2'X2' SQUARE OPENING' to note 15.

ITEM AD2-34 Refer to Drawing L2.1-SITE IMPROVEMENT PLAN

AMEND Detail 1 as shown on AD2-L4 SOFTBALL BACKSTOP FENCE UPDATE, issued by addendum.

ITEM AD2-35 Refer to Drawing L5.2-SITE UTILITY PLAN

AMEND Detail 1 as shown on AD2-L1 BASEBALL BACKSTOP UPDATE. Issued by addendum.

ITEM AD2-36 Refer to Drawing L5.2-SITE UTILITY PLAN

AMEND Detail 1 as shown on AD2-L2 SOFTBALL BACKSTOP UPDATE, issued by addendum.

ITEM AD2-37 Refer to Drawing L5.2-SITE UTILITY PLAN

AMEND Detail 1 as shown on AD2-L3 WAP AT SOCCER FIELD AND SCOREBOARD UPDATE, issued by addendum.

ITEM AD2-38 Refer to Drawing L6.3-SITE DETAILS

DELETE Detail 12 in its entirety.

ITEM AD2-39 Refer to Drawing MB-E2.6 – SECOND FLOOR LIGHTING & FA PLAN – AREA B

DELETE Sheet MB-E2.6 – SECOND FLOOR LIGHTING & FA PLAN – AREA B in its entirety.

ADD Sheet MB-E2.6 – SECOND FLOOR LIGHTING & FA PLAN – AREA B, issued with this addendum.

ITEM AD2-40 Refer to Drawing TR-E1.1 – FIRST FLOOR ELECTRICAL PLAN

DELETE Sheet TR-E1.1 – FIRST FLOOR ELECTRICAL PLAN in its entirety.

ADD Sheet TR-E1.1 – FIRST FLOOR ELECTRICAL PLAN, issued with this addendum.

ITEM AD2-41 Refer to Drawing TR-P1.1 – FIRST FLOOR PLANS

DELETE PLUMBING FIXTURE SCHEDULE in its entirety.

ADD Sheet AD2-P3 – REVISED SCHEDULE

ITEM AD2-42 Refer to Drawing MB-E0.5 - FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C

DELETE Sheet MB-E0.5 - FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C in its entirety.

ADD Sheet MB-E0.5 - FIRST FLOOR ELECTRICAL DEMOLITION PLAN - AREA C, issued with this addendum.

ITEM AD2-43 Refer to Drawing MB-E1.2 – GROUND FLOOR POWER PLAN AREA A

ADD Sheet AD2-E1 – FA PANEL LOCATION

ITEM AD2-44 Refer to Drawing MB-E1.7 - SECOND FLOOR POWER PLAN - AREA B

DELETE Sheet MB-E1.7 - SECOND FLOOR POWER PLAN - AREA B in its entirety.

ADD Sheet MB-E1.7 - SECOND FLOOR POWER PLAN - AREA B, issued with this addendum.

**ITEM AD2-45 Refer to Drawing MB-E2.4 - FIRST AND SECOND FLOOR LIGHTING & FA PLAN
- AREA C**

DELETE Sheet MB-E2.4 - FIRST AND SECOND FLOOR LIGHTING & FA PLAN - AREA C in its entirety.

ADD Sheet MB-E2.4 - FIRST AND SECOND FLOOR LIGHTING & FA PLAN - AREA C, issued with this addendum.

ITEM AD2-46 Refer to Drawing AG-E3.1 - DETAILS AND SCHEDULES

DELETE Sheet AG-E3.1 - DETAILS AND SCHEDULES in its entirety.

ADD Sheet AG-E3.1 - DETAILS AND SCHEDULES, issued with this addendum.

ITEM AD2-47 Refer to Drawing TR-E3.1 - DETAILS AND SCHEDULES

DELETE Sheet TR-E3.1 - DETAILS AND SCHEDULES in its entirety.

ADD Sheet TR-E3.1 - DETAILS AND SCHEDULES, issued with this addendum.

End of Addendum (2)

SECTION 01 21 00
ALLOWANCES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Contingency allowance.

1.2 RELATED REQUIREMENTS

- A. Section 01 20 00 - Price and Payment Procedures: Additional payment and modification procedures.

1.3 CONTINGENCY ALLOWANCE

- A. Contractor's costs for products, delivery, installation, labor, insurance, payroll, taxes, bonding, equipment rental, overhead and profit will be included in Change Orders authorizing expenditure of funds from this Contingency Allowance.
- B. Funds will be drawn from the Contingency Allowance only by Change Order.
- C. At closeout of Contract, funds remaining in Contingency Allowance will be credited to Owner by Change Order.

1.4 CONTINGENCY ALLOWANCES SCHEDULE

- A. General Trades Contract: Include the stipulated sum of \$175,000
- B. Mechanical Contract: Include the stipulated sum of \$23,000
- C. Plumbing Contract: Include the stipulated sum of \$7,500
- D. Electrical Contract: Include the stipulated sum of \$30,000

PART 2 PRODUCTS - NOT USED

PART 3 EXECUTION - NOT USED

END OF SECTION

SECTION 07 46 16
ALUMINUM SIDING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Aluminum siding.

1.2 RELATED REQUIREMENTS

- A. Section 07 62 00 - Sheet Metal Flashing and Trim: Metal flashings and trim associated with metal siding.
- B. Section 07 92 00 - Joint Sealants: Sealing joints between siding, adjacent construction, and fixtures.

1.3 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's data sheets for each product, including:
 - 1. Preparation instructions and recommendations.
 - 2. Siding materials, underlayment, flashings, fasteners and accessories.
 - 3. Dimensions, physical properties, and typical details.
 - 4. Storage and handling requirements and recommendations.
 - 5. Installation instructions and recommendations.
- C. Shop Drawings: Indicate layout, methods of attachment, provisions for movement, flashing, trim, edge and field conditions, interface with adjacent materials, locations of cutouts or special shapes, existing construction, and details.
- D. Samples: For each finish product specified, provide two complete sets of color chips representing manufacturer's full range of available colors and patterns.
- E. Manufacturer's qualification statement.
- F. Installer's qualification statement.
- G. Executed warranty.

1.4 QUALITY ASSURANCE

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

1.5 MOCK-UPS

- A. See Section 01 40 00 - Quality Requirements for additional requirements.
- B. Construct mock-up on project site incorporating required materials and workmanship, with minimum size of 5 by 5 ft.
- C. Locate where directed by Architect.
- D. Mock-up may remain as part of work.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. See Section 01 74 19 - Construction Waste Management and Disposal for packaging waste requirements.
- B. Deliver and store products in manufacturer's unopened packaging bearing brand name and manufacturer's identification until ready for installation.
- C. Verify quantities and condition immediately upon receipt; remove damaged materials from site, and coordinate with manufacturer to replace with new materials meeting specified requirements.
- D. Store products elevated above ground, within manufacturer's temperature and environmental limits, away from moisture, and protected from traffic and construction activities. Minimize on-site storage before installation.

1.7 FIELD CONDITIONS

- A. Do not install siding when air temperature or relative humidity are outside manufacturer's limits.

1.8 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer's Warranty: Provide manufacturer's standard lifetime, non-prorated, transferable warranty, including 50 year hail protection warranty.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Aluminum Siding Manufacturers:
 - 1. Longboard Architectural Products: www.longboardproducts.com.
 - 2. Or approved equal
 - 3. Substitutions: See Section 01 60 00 - Product Requirements.

2.2 ALUMINUM SIDING

- A. Soffits: Precoated aluminum sheet, 0.016-inch minimum base metal thickness.
 - 1. Profile: V-Groove, Single 6-Inch; 6 inches wide, solid; 6 inch exposure.
 - 2. Dimensions: 6 inches wide by 12 ft long.
 - 3. Color: Black
 - 4. Texture: Smooth
 - 5. Soffit Accessories: Provide the following accessories as required for complete and proper installation:
 - a. F-Channel trim.
 - b. J-Channel trim.
 - c. Wide face J-Channel trim.
 - d. Roof drip edge, quick start.
 - e. Mitered molding.
 - f. Fascia corner.
 - g. Snap-on frieze trim.

2.3 MATERIALS

- A. Precoated Aluminum Sheet: ASTM B209/B209M, 3105 alloy, O temper, with smooth surface texture; continuous-coil-coated on exposed surfaces with indicated finish coating and manufacturer's standard panel back coating.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine substrate conditions before beginning installation.
- B. Verify dimensions and acceptable substrate condition.
- C. If substrate preparation is responsibility of another installer, notify Architect of unsatisfactory conditions before proceeding.
- D. Do not proceed with installation until unacceptable conditions have been corrected.

3.2 PREPARATION

- A. Surface Preparation: Prepare surfaces as recommended by manufacturer.
- B. Protect surrounding areas and adjacent surfaces during execution of this work.

3.3 INSTALLATION

- A. Install aluminum siding, soffit, trim, and accessories in accordance with manufacturer's written instructions.
- B. Attach siding using manufacturers recommended fasteners, sealants, and adhesives, allowing for thermal expansion.

3.4 CLEANING

- A. See Section 01 70 00 - Execution and Closeout Requirements for additional requirements.
- B. Remove grease and oil films, excess joint sealer, handling marks, and other installation debris from aluminum siding, leaving siding clean and unmarked, free from dents, creases, waves, scratch marks, or other damage to material finishes.

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Date of Substantial Completion.

END OF SECTION

SECTION 28 10 00
ACCESS CONTROL

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Access control system requirements.
- B. Access control units and software.

1.2 RELATED REQUIREMENTS

- A. Section 07 84 00 - Firestopping.
- B. Section 08 71 00 - Door Hardware.
 - 1. Includes door hardware with integral request to exit devices.
- C. Section 26 05 19 - Low-Voltage Electrical Power Conductors and Cables
- D. Section 26 05 26 - Grounding and Bonding for Electrical Systems.
- E. Section 26 05 33.13 - Conduit for Electrical Systems.
- F. Section 26 05 33.16 - Boxes for Electrical Systems.
- G. Section 26 05 53 - Identification for Electrical Systems: Identification products and requirements.
- H. Section 27 05 26 - Grounding and Bonding For Communications Systems
- I. Section 27 05 53 - Identification For Communications Systems
- J. Section 27 10 05 - Communications Copper Cabling: Data cables for access control system IP network connections.
- K. Section 28 20 00 - Video Surveillance: For interface with access control system.

1.3 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2023.
- C. NEMA - National Electrical Manufacturers Association.
- D. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- E. NFPA 101 - Life Safety Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- F. NFPA 262 - Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces.
- G. NFPA 730 - Guide for Premises Security.
- H. NFPA 731 - Standards for the Installation of Electronic Premises Security
- I. UL 294 - Access Control System Units; Current Edition, Including All Revisions.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the work with other installers to provide suitable door hardware as required for both access control functionality and code compliance.
 - 2. Coordinate the placement of readers with millwork, furniture, equipment, etc. installed under other sections or by others.
 - 3. Coordinate the work with other installers to provide power for equipment at required locations.
 - 4. Coordinate the work with Manufacturer's Representative Services supplier for access control equipment, installation, testing, adjusting, integration, and system start-up.
 - 5. Notify Architect of any conflicts with or deviations from the contract documents. Obtain direction before proceeding with work.
- B. Preinstallation Meetings:
 - 1. Conduct meeting with facility representative to review reader and equipment locations.
 - 2. Conduct meeting with facility representative and other related equipment manufacturers to discuss access control system interface requirements.

1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Include plan views indicating locations of system components and proposed size, type, and routing of conduits and/or cables. Include elevations and details of proposed equipment arrangements. Include system interconnection schematic diagrams. Include requirements for interface with other systems.
- C. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.
- D. Design Data: Standby battery/UPS calculations.
- E. Certify that proposed system design and components meet or exceed specified requirements.
- F. Evidence of qualifications for installer.
- G. Evidence of qualifications for maintenance contractor (if different entity from installer).
- H. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, examination, preparation, installation, and operation of product.
- I. Manufacturer's detailed field testing procedures.
- J. Field quality control test reports.
- K. Maintenance contracts.
- L. Project Record Documents: Record actual locations of system components and installed wiring arrangements and routing.
- M. Operation and Maintenance Data: Include detailed information on system operation, equipment programming and setup, replacement parts, and recommended maintenance procedures and intervals.
 - 1. Include contact information for entity that will be providing contract maintenance and trouble call-back service.
- N. Warranty: Submit sample of manufacturer's warranty and documentation of final executed warranty completed in Owner's name and registered with manufacturer.
- O. Maintenance Materials: Furnish the following for Owner's use in maintenance of project.

1. See Section 01 60 00 - Product Requirements, for additional provisions.
2. Deliver blank credentials to Owner as directed.

- P. Shop Drawings: Indicate system wiring diagram showing each device and wiring connection; indicate layout, sequence of operation.
1. Indicate all system device locations on architectural floor plans.
 2. Include a complete SYSTEM one-line, block diagram.
 3. Include full schematic wiring information on these drawings for all devices. Wiring information shall include cable type, conductor routings, quantities, and connection details at device.

1.6 QUALITY ASSURANCE

- A. Comply with the following:
1. NFPA 70.
 2. NFPA 101 (Life Safety Code).
 3. The requirements of the local authorities having jurisdiction.
 4. Applicable TIA/EIA standards.
- B. Maintain at the project site a copy of each referenced document that prescribes execution requirements.
- C. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this section with minimum three years documented experience.
- D. Installer Qualifications: Company specializing in performing the work of this section with minimum three years documented experience with access control systems of similar size, type, and complexity and providing contract maintenance service as a regular part of their business; authorized manufacturer's representative.
1. Contract maintenance office located within 100 miles of project site.
- E. Maintenance Contractor Qualifications: Same entity as installer.
- F. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Receive, inspect, handle, and store products in accordance with manufacturer's instructions.
- B. Store products in manufacturer's unopened packaging, keep dry and protect from damage until ready for installation.

1.8 FIELD CONDITIONS

- A. Maintain field conditions within manufacturer's required service conditions during and after installation.

1.9 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.
- B. Provide minimum one year manufacturer warranty covering repair or replacement due to defective materials or workmanship.

PART 2 PRODUCTS

2.1 SYSTEM DESCRIPTION

- A. The intent of this specification is to lay out the infrastructure requirements for an expansion of the Owner's Access Control System (ACS) and coordinate the installation of the security equipment furnished to the electrical contractor at points indicated on the Drawings.
- B. Provide all structured cabling, terminations, boxes, conduit, penetrations, sleeves, wire-mold, fasteners, and common installation material such that the project has a complete and workable access control system compliant with this Section. Hardware products which do not meet this design as laid out in Sections 27 05 28 - Pathways For Communications Systems and 27 10 05 - Communications Copper Cabling, shall not be acceptable.
- C. Install all equipment furnished by the Manufacturer's Representative Services supplier referred to in this specification as the Integrator. The electrical contractor shall coordinate with the Integrator the transmittal of equipment, verification of the access control schedule, field installation, and commissioning of the communications cabling system that supports the system.
- D. The electrical contractor shall provide all necessary coordination with the Integrator to produce a fully commissioned Access Control System.

2.2 OWNER-FURNISHED PRODUCTS AND SERVICES

- A. ACS equipment for the project shall be purchased by the Owner via New York State Contract.
 - 1. Identified products shall be installed by the Owner or System Integrator.
 - 2. Remaining products identified as furnished by the Owner shall be turned over to the Electrical Contractor for installation.
 - 3. Refer to the Responsibility Matrix later in this Section for product listing.
- B. The Owner has further entered into a separate contract for Manufacturer's Representative Services.
 - 1. The term Manufacturer's Representative Services supplier shall be synonymous with and interchangeable with the terms Integrator or System Integrator.
 - 2. The Manufacturer's Representative Services supplier for the project is:
 - a. Day Automation Systems, Inc. 7931 Rae Boulevard Rochester, NY 14475 phone: 800-836-0969.
 - 3. Refer to Responsibility Matrix later in this Section for description of services provided.
- C. For a complete listing of Owner-Furnished products including Manufacturer, model, and description, contact the Manufacturer's Representative Services supplier.

2.3 PRODUCTS

- A. Provide such equipment as outlined in the responsibility matrix below, including but not limited to:
 - 1. Patch Cables: As specified in Section 27 10 05 - Communications Copper Cabling.
 - 2. Data Cable Surge Suppression: As specified in Section 27 05 26 - Grounding and Bonding For Communications Systems.
 - 3. Patch Panels: As specified in Section 27 10 05 - Communications Copper Cabling.
- B. Provide wiring, conduit, wire terminations, back boxes, wire-mold, fasteners and common installation material required to connect devices furnished as part of, or integral to the Access Control System regardless of the source of the supply.
 - 1. Provide all wiring and terminations for the Access Control System in accordance with the specifications, contract drawings, and detailed engineered drawings provided by factory representative.
- C. Provide all other devices required for proper complete system operation including, but not limited to, electrical switches, transformers, disconnect switches, sensors, safety devices, power supplies, enclosure, and circuit breakers.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that field measurements are as shown on the drawings.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system.
- E. Verify that conditions are satisfactory for installation prior to starting work.

3.2 INSTALLATION

- A. Install access control system in accordance with NECA 1 (general workmanship).
- B. Install products in accordance with manufacturer's instructions.
- C. Wiring Method: Unless otherwise indicated, use cables (not in conduit).
 - 1. Use suitable listed cables in wet locations, including underground raceways.
 - 2. Use suitable listed cables for vertical riser applications.
 - 3. Use listed plenum rated cables in spaces used for environmental air.
 - 4. Install wiring in conduit for the following:
 - a. Where required for rough-in.
 - b. Where required by authorities having jurisdiction.
 - c. Where exposed to damage.
 - d. Where installed outside the building.
 - e. For exposed connections from outlet boxes to devices.
 - 5. Conduit: Comply with Section 26 05 33.13.
 - 6. Conceal all cables unless specifically indicated to be exposed.
 - 7. Use power transfer hinges complying with Section 08 71 00 for concealed connections to door hardware.
 - 8. Cables in the following areas may be exposed, unless otherwise indicated:
 - a. Equipment closets.
 - b. Within joists in areas with no ceiling.
 - 9. Route exposed cables parallel or perpendicular to building structural members and surfaces.
 - 10. Do not exceed manufacturer's recommended maximum cable length between components.
- D. Provide grounding and bonding in accordance with Section 27 05 26.
- E. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 07 84 00.
- F. Identify system wiring and components in accordance with Section 27 05 53.
- G. Provide wiring in conduit per NEC and Local codes.
- H. Provide wiring and connections to door hardware devices.
- I. Ground and bond security access equipment and circuits in accordance with Section 26 05 26.
- J. Electronic locking devices shall have a separate power supply. Provide and install power supplies as required to support the locks. The unit shall incorporate integral battery charging capabilities and a fused line voltage input for individual locks. All power supplies shall be equipped with optional battery pack for up to 24 hours of backup. As required, the unit shall be equipped with a module to accommodate fire alarm NC contacts when a fire alarm activates.
- K. Provide all interface wiring, relays, connections and programming required to interface electric locking/unlocking of door hardware with powered door openers/actuator buttons.

1. Entry from exterior through door during scheduled lock times: Exterior ADA actuator button/powered opener will be disabled until authorized credentials (card, fob) are presented to Access system reader. Access control system to activate door opener actuator buttons so that when in a locked position, an entry door powered opener will NOT engage against a door with the latch in the locked position. User must first present an authorized credential to the card reader to unlock the door. Authorized credential will unlock door and either initiate opening of door or activate the pushbutton for powered opening activation.
 - a. When entry point has second set of interior Vestibule doors with powered opener, and no actuator button inside the Vestibule, the interior opened door must have programmed time delay to stay open for a sufficient time to allow the persons to pass through.
 2. Exit at powered door in scheduled lock times: Upon pushing interior located actuator button(s), the access control system will unlock associated doors and allow the person to pass through door(s) and exit the building. Doors to close and lock after (adjustable) set time period.
- L. At locations with removable mullions and electric strikes, provide quick disconnect plugs in order to facilitate the removal of the mullion without cutting the wires to the electric strike.
- M. All conduit sleeves and holes shall be ground smooth to remove all sharp edges and burrs that could potentially damage cabling. All cabling shall be supported and protected at all holes, penetration points, boxes, conduit, etc. with protective grommets or material that will protect the cabling from any abrasive contact with surfaces that might cause damage.
- N. Comply with manufacturer's instructions and recommendations for installation of product in the applications indicated. Anchor products securely in place, accurately located and aligned with other work.
- O. It is the installer's / contractor's responsibility to test every aspect of the ACS system and document the location and performance of every cable, termination point, riser, control panel, Card Reader, Door contact, rex, Input point, and all associated software functions.
- P. All cable management (troughs) are mounted tight, level and square with all fasteners installed and be free of debris on the inside and outside.
- Q. All cabling outside enclosures are installed free from sharp edges and dressed neatly.
- R. Cables installed using approved method when not in cable management trays.
- S. Cable management not to use adhesive tie wraps, due to loss of secure mounting.
- T. Cables enter and leave junction boxes using proper bushings, fittings, grommets.
- U. All wiring to be neatly dressed. All Bend radii are sufficient, and equate to cable type requirements.
- V. Cable runs are continuous and not spliced. Field splice connections will be documented and only as necessary to end of line device to minimize points of failure/DB loss. Field splice connections will be in secured enclosure.
- W. All terminations at field devices are visually inspected to ensure properly soldered-no dolphins, wire nuts or b-connects.
- X. All field devices mounted using approved installation fasteners and hardware to ensure serviceability (field devices can be removed and remounted)
- Y. All field devices mounted tight, level, square and sealed as needed for weatherproof applications.
- Z. All terminations at field devices are inspected to ensure there are no bare wire conductors and all is insulated and shrink wrapped. All spare un-terminated conductors are properly safe-ended with shrink wrap.
- AA. Supervision EOL resistors are located at the field device to be supervised.
- BB. Cable installation shall not impact any existing cabling infrastructure.

3.3 SYSTEM PROGRAMMING

- A. The Contractor and the ACS Vendor are jointly responsible for Initial Programming and report formatting of the ACS as specified herein and as directed by the owner/owner representative. The owner will convey their programmable operational requirements for all system functions in lay terms, and Initial System programming will be completed to satisfy the owner's requirements.
- B. The Contractor and the ACS Vendor will be required to meet with the owner's representatives a Min. 3 times to discuss, recommend and document the owner's needs for programming and sequences of operation.
- C. Programming Functions to be provided shall include but not be limited to:
 - 1. Schedules, groups and sequence of operation(s) for:
 - a. Access Groups
 - b. Access Levels
 - c. Actions
 - d. Action Groups
 - e. Alarm Inputs
 - f. Alarm Mask Groups
 - g. Alarm Outputs
 - h. Areas
 - i. Badge Types
 - j. Badge creation
 - k. Card Formats
 - l. Cardholders
 - m. Card Readers
 - n. Global I/O Function Lists
 - o. Global I/O Links
 - p. Holidays
 - q. Maps
 - r. Monitor Zones
 - s. Receiver Accounts
 - t. System Operators
 - u. User Permission Groups
 - v. Time Zones
 - w. Visitor management
 - 2. Initial Graphic Map creation with icons and programming setup
 - 3. Set-up and pathing of all alarm notifications
 - 4. Report generation and formats for printing and notifications.
 - 5. Door Monitoring Status: Alarm Conditions; Graphic Annunciation

3.4 FIELD QUALITY CONTROL

- A. See Section 01 40 00 - Quality Requirements, for additional requirements.
- B. Provide services of a manufacturer's authorized representative to observe installation and assist in inspection and testing. Include manufacturer's detailed testing procedures and field reports with submittals.
- C. Prepare and start system in accordance with manufacturer's instructions.
- D. Program system parameters according to requirements of Owner.
- E. Test for proper interface with other systems.
- F. Correct defective work, adjust for proper operation, and retest until entire system complies with contract documents.
- G. Submit detailed reports indicating inspection and testing results and corrective actions taken.

3.5 CLEANING

- A. Clean exposed surfaces to remove dirt, paint, or other foreign material and restore to match original factory finish.

3.6 DEMONSTRATION AND MANUALS

- A. Manuals: Final copies of the manuals shall be delivered after completing the installation test with signed (owner/owner representative) proof of receipt. Each manual's contents shall be identified on the cover. The manual shall include names, addresses, and telephone numbers of the contractor responsible for the installation and maintenance of the system and the factory representatives for each item of equipment for each system. The manuals shall have a table of contents and labeled sections. The final copies delivered after completion of the installation test shall include all modifications made during installation, checkout, and acceptance testing. The manuals shall consist of the following:
 - B. Functional Design Manual: The functional design manual shall identify the operational requirements for the system and explain the theory of operation, design philosophy, and specific functions. A description of hardware and software functions, interfaces, and requirements shall be included.
 - C. Hardware Manual: The manual shall describe all equipment furnished including:
 - 1. General description and specifications
 - 2. Installation and check out procedures
 - 3. Equipment layout and electrical schematics to the component level
 - 4. System layout drawings and schematics
 - 5. Alignment and calibration procedures
 - 6. Manufacturers repair parts list indicating sources of supply
 - D. Software Manual: The software manual shall describe the functions of all software and shall include all other information necessary to enable proper loading, testing, and operation. The manual shall include:
 - 1. Definition of terms and functions
 - 2. System use and application software
 - 3. Initialization, start up, and shut down
 - 4. Reports generation
 - 5. Details on forms customization and field parameters
 - 6. Operators Manual: The operators manual shall fully explain all procedures and instructions for the operation of the system including:
 - 7. Computers and peripherals
 - 8. System start up and shut down procedures
 - 9. Use of system, command, and applications software
 - 10. Recovery and restart procedures
 - 11. Graphic alarm presentation
 - 12. Use of report generator and generation of reports
 - 13. Data entry
 - 14. Operator commands
 - 15. Alarm messages and reprinting formats
 - 16. System permissions functions and requirements
 - E. Maintenance Manual: The maintenance manual shall include descriptions of maintenance for all equipment including inspection, periodic preventive maintenance, fault diagnosis, and repair or replacement of defective components.
 - F. As-Built Drawings: During system installation, the Contractor shall maintain a separate hard copy set of drawings, elementary diagrams, and wiring diagrams of the ACS to be used for record drawings. This set shall be accurately kept up to date by the Contractor with all changes and additions to the ACS. Copies of the final as-built drawings shall be provided to the end user in DXF format.

3.7 CLOSEOUT ACTIVITIES

- A. See Section 01 78 00 - Closeout Submittals, for closeout submittals.
- B. Demonstration: Demonstrate proper operation of system to Owner, and correct deficiencies or make adjustments as directed.
- C. Training: Train Owner's personnel on operation, adjustment, and maintenance of system.
 - 1. Use operation and maintenance manual as training reference, supplemented with additional training materials as required.
 - 2. Provide minimum of four hours of training.
 - 3. Instructor: Manufacturer's authorized representative.
 - 4. Location: At project site.

3.8 PROTECTION

- A. Protect installed system components from subsequent construction operations.

3.9 MAINTENANCE

- A. See Section 01 70 00 - Execution and Closeout Requirements, for additional requirements relating to maintenance service.
- B. Provide to Owner, a proposal as an alternate to the base bid, a separate maintenance contract for the service and maintenance of access control system for two years from date of Substantial Completion; Include a complete description of preventive maintenance, systematic examination, adjustment, cleaning, inspection, and testing, with a detailed schedule.

END OF SECTION

SECTION 28 46 00
FIRE DETECTION AND ALARM

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Fire alarm system design and installation, including all components, wiring, and conduit.

1.2 RELATED REQUIREMENTS

- A. Section 07 84 00 - Firestopping: Materials and methods for work to be performed by this installer.

1.3 REFERENCE STANDARDS

- A. 36 CFR 1191 - Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines; current edition.
- B. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- C. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- D. NFPA 72 - National Fire Alarm and Signaling Code; Most Recent Edition Cited by Referring Code or Reference Standard.

1.4 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Evidence of designer qualifications.
- C. Design Documents: Submit all information required for plan review and permitting by authorities having jurisdiction, including but not limited to floor plans, riser diagrams, and description of operation:
 - 1. Copy (if any) of list of data required by authority having jurisdiction.
 - 2. NFPA 72 "Record of Completion", filled out to the extent known at the time.
 - 3. Clear and concise description of operation, with input/output matrix similar to that shown in NFPA 72 Appendix A-7-5-2.2(9), and complete listing of software required.
 - 4. System zone boundaries and interfaces to fire safety systems.
 - 5. Location of all components, circuits, and raceways; mark components with identifiers used in control unit programming.
 - 6. Circuit layouts; number, size, and type of raceways and conductors; conduit fill calculations; spare capacity calculations; notification appliance circuit voltage drop calculations.
 - 7. List of all devices on each signaling line circuit, with spare capacity indicated.
 - 8. Manufacturer's detailed data sheet for each component, including wiring diagrams, installation instructions, and circuit length limitations.
 - 9. Description of power supplies; if secondary power is by battery include calculations demonstrating adequate battery power.
 - 10. Certification by either the manufacturer of the control unit or by the manufacturer of each other component that the components are compatible with the control unit.
 - 11. Certification by the manufacturer of the control unit that the system design complies with Contract Documents.
 - 12. Certification by Contractor that the system design complies with Contract Documents.
- D. Evidence of installer qualifications.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: Firm with minimum 3 years documented experience installing fire alarm systems of the specified type and providing contract maintenance service as a regular part of their business.
 - 1. Authorized representative of control unit manufacturer; submit manufacturer's certification that installer is authorized; include name and title of manufacturer's representative making certification.
 - 2. Installer Personnel: At least 2 years of experience installing fire alarm systems.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Fire Alarm Control Units and Accessories:
 - 1. Simplex, a brand of Johnson Controls: www.simplex-fire.com/#sle.
 - 2. Provide control units made by the same manufacturer.
- B. Substitutions: See Section 01 60 00 - Product Requirements.
 - 1. For other acceptable manufacturers of control units specified, submit product data showing equivalent features and compliance with Contract Documents.

2.2 FIRE ALARM SYSTEM

- A. Fire Alarm System: Provide a new automatic fire detection and alarm system:
 - 1. Provide all components necessary, regardless of whether shown in Contract Documents or not.
 - 2. Protected Premises: Entire building shown on drawings.
 - 3. Comply with the following; where requirements conflict, order of precedence of requirements is as listed:
 - a. ADA Standards.
 - b. The requirements of the local authority having jurisdiction .
 - c. Applicable local codes.
 - d. Contract Documents (drawings and specifications).
 - e. NFPA 72; where the word "should" is used consider that provision mandatory; where conflicts between requirements require deviation from NFPA 72, identify deviations clearly on design documents.
 - 4. Evacuation Alarm: Multiple smoke zones; allow for evacuation notification of any individual zone or combination of zones, in addition to general evacuation of entire premises.
 - 5. Voice Notification: Provide emergency voice/alarm communications with multichannel capability; digital.
 - 6. General Evacuation Zones: Each smoke zone is considered a general evacuation zone unless otherwise indicated, with alarm notification in all zones on the same floor, on the floor above, and the floor below.
 - 7. Fire Command Center: Location indicated on drawings.
 - 8. Fire Alarm Control Unit: New, located at fire command center.
- B. Circuits:
 - 1. Initiating Device Circuits (IDC): Class B, Style A.
 - 2. Signaling Line Circuits (SLC) Within Single Building: Class B, Style 0.5.
 - 3. Notification Appliance Circuits (NAC): Class B, Style W.
- C. Power Sources:
 - 1. Primary: Dedicated branch circuits of the facility power distribution system.
 - 2. Capacity: Sufficient to operate entire system for period specified by NFPA 72.

2.3 FIRE SAFETY SYSTEMS INTERFACES

- A. Alarm: Provide alarm initiation in accordance with NFPA 72 for the following:

2.4 COMPONENTS

- A. General:
 - 1. Provide flush mounted units where installed in finish areas; in unfinished areas, surface mounted unit are acceptable.
 - 2. Provide legible, permanent labels for each control device, using identification used in operation and maintenance data.
- B. Fire Alarm Control Units: Analog, addressable type; listed, classified, and labeled as suitable for the purpose intended.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Install in accordance with applicable codes, NFPA 72, NFPA 70, and Contract Documents.
- B. Conceal all wiring, conduit, boxes, and supports where installed in finished areas.
- C. Obtain Owner's approval of locations of devices, before installation.
- D. Install instruction cards and labels.

3.2 INSPECTION AND TESTING FOR COMPLETION

- A. Notify Owner 7 days prior to beginning completion inspections and tests.
- B. Notify authorities having jurisdiction and comply with their requirements for scheduling inspections and tests and for observation by their personnel.
- C. Provide the services of the installer's supervisor or person with equivalent qualifications to supervise inspection and testing, correction, and adjustments.
- D. Prepare for testing by ensuring that all work is complete and correct; perform preliminary tests as required.
- E. Provide all tools, software, and supplies required to accomplish inspection and testing.
- F. Perform inspection and testing in accordance with NFPA 72 and requirements of local authorities; document each inspection and test.
- G. Correct defective work, adjust for proper operation, and retest until entire system complies with Contract Documents.

3.3 CLOSEOUT

- A. Closeout Demonstration: Demonstrate proper operation of all functions to Owner.
 - 1. Be prepared to conduct any of the required tests.
 - 2. Have at least one copy of operation and maintenance data, preliminary copy of project record drawings, input/output matrix, and operator instruction chart(s) available during demonstration.
 - 3. Have authorized technical representative of control unit manufacturer present during demonstration.
 - 4. Demonstration may be combined with inspection and testing required by authority having jurisdiction; notify authority having jurisdiction in time to schedule demonstration.
 - 5. Repeat demonstration until successful.

SECTION 28 46 21.16
EXISTING FIRE ALARM SYSTEM

PART 1 GENERAL

1.1 SECTION INCLUDES:

- A. Extension of existing Addressable Fire Detection and Alarm system components, wiring, and conduit indicated, in full compliance with National and Local Codes.

1.2 RELATED REQUIREMENTS

- A. Section 07 84 00 - Firestopping: Materials and methods for work to be performed by this installer.
- B. Section 26 05 53 - Identification for Electrical Systems; Marking Fire Alarm components and raceways.

1.3 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ASTM E136 - Standard Test Method for Assessing Combustibility of Materials Using a Vertical Tube Furnace at 750 Degrees C; 2024.
- C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2023d.
- D. FM (AG) - FM Approval Guide; Current Edition.
- E. NECA 1 - Standard for Good Workmanship in Electrical Construction; 2023.
- F. NFPA 101 - Life Safety Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- G. NFPA 70 - National Electrical Code; Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- H. NFPA 72 - National Fire Alarm and Signaling Code; Most Recent Edition Cited by Referring Code or Reference Standard.
- I. NFPA 90A - Standard for the Installation of Air-Conditioning and Ventilating Systems; 2024.
- J. UL (ECMD) - Electrical Construction Materials Directory; current edition.
- K. UL (FPED) - Fire Protection Equipment Directory; current edition.
- L. UL 1480 - Standard for Speakers for Fire Alarm and Signaling Systems, Including Accessories; Current Edition, Including All Revisions.
- M. UL 1971 - Standard for Signaling Devices for the Hearing Impaired; Current Edition, Including All Revisions.
- N. UL 2075 - Standard for Gas and Vapor Detectors and Sensors; Current Edition, Including All Revisions.
- O. UL 268 - Standard for Smoke Detectors for Fire Alarm Systems; Current Edition, Including All Revisions.
- P. UL 268A - Standard for Smoke Detectors for Duct Application; Current Edition, Including All Revisions.

- Q. UL 38 - Standard for Manual Signaling Boxes for Fire Alarm Systems; Current Edition, Including All Revisions.
- R. UL 464 - Standard for Audible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories; Current Edition, Including All Revisions.
- S. UL 521 - Standard for Heat Detectors for Fire Protective Signaling Systems; Current Edition, Including All Revisions.
- T. UL 864 - Control Units and Accessories for Fire Alarm Systems; Current Edition, Including All Revisions.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Pre-Installation Meeting: Schedule and convene one week prior to beginning the work of this Section. Include all trades affected by the work of this Section.

1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories. Complete manufacturer's catalog data including supervisory power usage, alarm power usage, physical dimensions, and finish and mounting requirements.
- C. Power calculations. Battery capacity calculations. Battery size shall be a minimum of 125% of the calculated requirement. Provide the following supporting information:
 - 1. Supervisory power requirements for all equipment.
 - 2. Alarm power requirements for all equipment.
 - 3. Power supply rating justification showing power requirements for each of the system power supplies. Power supplies shall be sized to furnish the total connected load in a worst-case condition plus 25% spare capacity.
 - 4. Voltage drop calculations for wiring runs demonstrating worst-case condition.
 - 5. NAC circuit design shall incorporate a 15% spare capacity for future expansion.
- D. The installation contractor shall submit for approval prior to installation of wire, a proposed color code for system conductors to allow rapid identification of circuit types.
- E. Manufacturer's Qualification Statement.
- F. Installer's Qualification Statement.
- G. Qualification Data: For qualified Installer, Applicator, manufacturer, fabricator, professional engineer, testing agency, and factory-authorized service representative.
- H. Source quality-control reports.
- I. Field quality-control reports.
- J. Operation and Maintenance Data: For all fire alarm equipment, to include in operation and maintenance manuals.

1.6 QUALITY ASSURANCE

- A. Manufacturer's Field Service:
 - 1. Engage a factory-authorized service representative from Simplex Monitoring 800-746-7539 to inspect components, assemblies, and equipment installations, including connections, and to assist in testing.

2. Prior to bid, the Electrical Contractor shall coordinate with the factory-authorized service representative to evaluate the existing system, and identify additional components required to support a fully functioning system, including spare capacities as outlined in this specification. All required devices, associated equipment and programming shall be included in the Electrical Contractor's bid, including, but not limited to:
 - a. Additional NAC power supplies required to support all new devices.
 - b. Battery calculations including additional batteries as needed for new devices.
 - c. Any additional initiating device hardware installed in the existing panel that is required for new devices.
 - d. An additional "sub-panel" to the FACP if needed and as determined by the factory-authorized service representative.
 - e. Software updates and required programming of the existing panel to accept all new devices.
 - f. Additional remote annunciator(s) as indicated on the drawings.
 - g. Coordination with kitchen hood fire suppression system installer, including any additional relays or hardware required.
 - h. Coordination with elevator installer and any required connections, hardware or programming as it relates to elevator recall.

B. Installer Qualifications:

1. Firm with a minimum three years documented experience installing fire alarm systems of the same scope, type and design as specified.
2. The contractor shall submit copies of all required Licenses and Bonds as required in the State of New York.
3. The contractor shall employ on staff a minimum of one NICET level II technician or a professional engineer, registered in the State of New York.
4. The contractor shall be qualified by UL for certifying fire alarm systems.
5. Contractors unable to comply with the provisions of Qualification of Installers shall present proof of engaging the services of a subcontractor qualified to furnish the required services.

C. Source Limitations: In the interest of job coordination and responsibilities the installing contractor shall contract with a single supplier for fire alarm equipment, engineering, programming, inspection and tests, and shall be capable of providing a "UL Listing Certificate" for the complete system.

D. Testing Agency Qualifications: Qualified for testing indicated.

E. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E84 by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.

1. Flame-Spread Index: 25 or less.
2. Smoke-Developed Index: 50 or less.
3. Combustion Characteristics: ASTM E136.

F. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

G. Comply with all applicable Codes as they relate to the products, installation, testing and operation of the complete system.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to project site in original, unopened packages with intact and legible manufacturers' labels identifying product and manufacturer, date of manufacture, and shelf life if applicable.
- B. Store materials inside, under cover, above ground, and kept dry and protected from physical damage until ready for use. Remove from site and discard wet or damaged materials.

1.8 PROJECT CONDITIONS

- A. Installed products or materials shall be free from any damage including, but not limited to, physical insult, dirt and debris, moisture, and mold damage.
- B. Environmental Limitations: Do not deliver or install products or materials until spaces are enclosed and weather-tight, wet work in spaces is complete and dry, and temporary HVAC system is operating and maintaining ambient temperature and humidity conditions at occupancy levels during the remainder of the construction period.

1.9 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace fire alarm equipment that fail(s) in materials or workmanship within specified warranty period.
 - 1. Warranty Period: 1 year from date of Substantial Completion.

1.10 SERVICE AGREEMENT

- A. Technical Support: Beginning with Substantial Completion, provide software support for one year.
- B. Upgrade Service: Update software to latest version at Project completion. Install and program software upgrades that become available within two years from date of Substantial Completion. Upgrading software shall include operating system. Upgrade shall include new or revised licenses for use of software.
 - 1. Provide 30 days' notice to Owner to allow scheduling and access to system and to allow Owner to upgrade computer equipment if necessary.

PART 2 PRODUCTS

2.1 SYSTEM DESCRIPTION

- A. At the Prattsburgh Central School District Elementary School, the existing Simplex 4010ES control panel(s) shall be upgraded to allow for Emergency Voice / Alarm Communication. New devices are to be added in areas of renovation only, as indicated on the drawings.
- B. The existing system shall be extended to serve the Pre-K addition. All areas of the addition shall be served by an Emergency Voice/ Alarm Communication System providing notification by both an alert tone followed by voice instruction, as indicated in the Contract Documents.
- C. The system shall include all required hardware, raceways, interconnecting wiring and software to accomplish the requirements of this specification and the contract drawings, whether or not specifically itemized herein.
- D. The system as specified shall be supplied, installed, tested and approved by the local Authority Having Jurisdiction, and turned over to the owner in an operational condition.
- E. All equipment furnished shall be new and the latest state of the art products of the existing installed manufacturer.

2.2 SYSTEM COMPONENTS

- A. Batteries
 - 1. Fire Alarm System: Batteries shall be of sufficient capacity to provide power for the entire system upon loss of normal AC power for a period of 24 hours with (12) hours of alarm signal at the end this 24-hour period, as required by NFPA 72, Local Systems.
 - 2. Carbon Monoxide Detection System: Batteries shall be dedicated to the Carbon Monoxide Detection System as required by NFPA 72, Secondary Power Supply.
- B. Notification Appliance Circuits (NACs):

1. Two Independent Notification Appliance Circuits: Provided on basic module, polarized and rated at 1.5 amperes DC per circuit, individually overcurrent protected and supervised for opens, grounds, and short circuits.
 - a. Shall be capable of being wired Class B, Style Y.
 - b. With installation of optional Class A Option Module (CAOM), Shall be capable of being wired Class A, Style Z.
 2. Power Output: Shall be regulated so that UL Listed notification appliances with an operating voltage range of 17-26 VDC may be installed on the circuits.
 - a. Voltage: 24 VDC regulated.
 - b. Current: 1.5 amps, maximum alarm.
 3. Notification appliance circuits to provide synchronization of all strobe lights at a rate of 1Hz and shall operate the horns with a march time cadence signal. The circuit shall provide the capability to silence the audible signals, while maintaining the visual strobe signals. Notification circuits shall consist of a single pair of wires for each circuit. The ability to synchronize multiple notification circuits shall be provided.
 4. Provide additional NACs, as required, to supply power to all new devices that are being added to the existing system, and to maintain a 15% spare capacity for future expansion.
 5. Provide updated graphic display indicating new and renovated areas with room numbers as they physically appear at each space:
 - a. UV fade-resistant inks with unlimited color selection.
 - b. Heavy-duty aluminum anodized frame.
 - c. Security mounting hardware.
 - d. Polycarbonate clear protective window.
 - e. Approximately 24" x 18".
- C. Emergency Voice/Alarm Communication Systems and Mass Notification Systems.
1. Provide products that are listed and labeled as complying with UL 864.
 2. Add-on voice message capable unit to non-voice FACP.
 3. Capable of producing the following selectable options:
 - a. Multiple pre-audio tones.
 - b. Multiple pre-recorded audio messages or custom user recorded message.
 - c. Multiple post-audio tones.
 4. Strobe circuit activation.
 5. Internal push-to-talk microphone for operator control.
 6. Power: 120 VAC with cabinet mounted 12 Ah batteries.
 7. Class D amplifier providing 40W @ 25 or 70.7 VRMS.

2.3 INTELLIGENT INITIATING DEVICES

- A. General
1. All initiation devices shall be insensitive to initiating loop polarity. Specifically, the devices shall be insensitive to plus/minus voltage connections.
- B. Smoke Detectors – Standard Addressable
1. Provide products that are listed and labeled as complying with UL 268.
 2. The detector shall have a multicolor LED to streamline system maintenance/inspection by plainly indicating detector status as follows: green for normal operation, amber for maintenance required, red for alarm.
 3. The multi-criteria smoke detector shall be an intelligent digital photoelectric detector with a programmable heat detector. Detectors shall be listed for use as open area protective coverage, in duct installation and sampling assembly installation and shall be insensitive to air velocity changes. The detector communications shall allow the detector to provide alarm input to the system and alarm output from the system within four (4) seconds. So as to minimize the effort required by the installing and maintenance technician to appropriately configure the detector to ensure optimal system design, the detectors shall be programmable as application specific. Application settings shall be selected in software for a minimum of eleven environmental fire profiles unique to the devices installed location.

4. The detector shall be designed to eliminate the possibility of false indications caused by dust, moisture, RFI/EMI, chemical fumes and air movement while factoring in conditions of ambient temperature rise, obscuration rate changes and hot/cold smoke phenomenon into the alarm decision to give the earliest possible real alarm condition report.
 - a. The detector shall be guaranteed in writing not to false alarm when configured by the factory trained certified technician. The detector must provide up to 11 different environmental algorithms that allow the detector to provide superior false alarm immunity without the need for additional alarm verification delays.
 5. The intelligent smoke detector shall be capable of providing three distinct outputs from the control panel. The outputs shall be from an input of smoke obscuration, a thermal condition or a combination of obscuration and thermal conditions. The detector shall be designed to eliminate calibration errors associated with field cleaning of the chamber.
 6. The detector shall support the use of a relay, or LED remote indicator without requiring an additional software address. Low profile, white case shall not exceed 2.5 inches of extension below the finish ceiling.
 7. For the detector where required, there shall be available a locking kit and detector guard to prevent unauthorized detector removal.
 8. Where required, there shall be available a programmable remote lamp configurable to remotely duplicate the on-board LED status of another system device with the same software address.
- C. Heat Detectors – Addressable
1. Provide products that are listed and labeled as complying with UL 521.
 2. The detectors furnished shall have a listed spacing for coverage up to 2,500 square feet and shall be installed according to the requirements of NFPA 72 for open area coverage.
 3. Heat detector shall have the following temperature settings:
 - a. Fixed temperature at 135°F, 195°F.
 - b. Rate of Rise at 15°F/ min (8.3°C) at 135°F (57°C)
- D. Duct Smoke Detectors – Addressable
1. Provide products that are listed and labeled as complying with UL 268.
 2. For duct detector applications, the smoke detector shall be an intelligent digital photoelectric detector. Detectors shall be listed for use as open area protective coverage, in duct installation and sampling assembly installation and shall be insensitive to air velocity changes.
 3. The detector communications shall allow the detector to provide alarm input to the system and alarm output from the system within four (4) seconds. The detector shall be mounted in a duct detector housing listed for that purpose. The duct detector shall support the use of a remote test switch, relay or LED remote indicator. The duct detector shall be supplied with the appropriate sampling tubes to fit the installation.
 4. Where duct detectors are exposed to the weather a weatherproof enclosure shall be available. The duct housing cover shall include a test port for functional testing of the detector without cover removal. The duct housing shall include a cover removal switch capable of indicating cover removal status to the fire alarm control panel.
 5. Where required there shall be available a duct housing with an on-board relay. Also where required, there shall be a standalone housing available with its own power supply and test/reset switch that does not require connection to a fire alarm control panel.
 6. Duct smoke detector housing shall allow use in duct systems with air velocity ranging from 100 to 4,000 feet per minute, within temperature ranges of 32°F to 120°F per minute, and with relative humidity ranging from 0 to 95%.
 7. Duct Housings and Accessories:
 - a. Global Air Duct Housing for Conventional and Addressable Detectors
 - b. Global Air Duct Housing for Addressable P2 Detectors with Relay Application
 - c. Global Air Duct Housing for Conventional Detectors with Relay Application
 - d. Global Air Duct Housing for Conventional Detectors with Relay Application and Built-in Power Source
 - e. Weather-Proof housing to accommodate all versions of Global Air Duct Housings
 - f. Remote Test Lamp for Conventional Detectors
- E. Detector Bases – Addressable

1. Provide products that are listed and labeled as complying with UL 2075.
2. Detector bases shall be low profile twist lock type with screw clamp terminals and self-wiping contacts. Bases shall be installed on an industry standard, 4" square or octagonal electrical outlet box.
3. Detectors shall be listed per UL 268A as "direct in duct" without need for a duct housing.
4. Multi-Criteria Fire Detector shall be listed as providing CO detection in duct application.
5. Provide 6" Base.
6. Provide 4" Base.

F. Manual Pull Stations – Addressable

1. Provide products that are listed and labeled as complying with UL 38.
2. Provide Double action pull stations, unless otherwise indicated to be:
 - a. Break Glass.
 - b. Explosion Proof.
 - c. Weatherproof.
 - d. Reset key options.
 - e. Metal housing.
3. Intelligence for reporting address, identity, alarm and trouble to the fire alarm control panel.
4. Communications shall allow the station to provide alarm input to the system and alarm output from the system within less than four (4) seconds.
5. Connection: Terminal strip and pressure style screw terminals for field wiring.
6. Mounting: Flush or surface mount, as required.
 - a. Surface mount: Provide matching red enamel outlet box.
7. Location: As indicated on drawings.

G. Addressable Interface Devices

1. Provide products that are listed and labeled as complying with UL 864.
2. Addressable Interface Devices shall be provided to monitor contacts for such items as water-flow, tamper, and PIV switches connected to the fire alarm system. These interface devices shall be able to monitor a single or dual contacts. An address will be provided for each contact. Where remote supervised relay is required the interface shall be equipped with a SPDT relay rated for 4 amps resistive and 3.5 amps inductive.
3. Where needed a Conventional Zone Module shall connect to the Signal Line Circuit, which will allow the use of conventional initiation devices. This module shall have the ability to support up to 15 conventional smoke detectors and an unlimited number of contact devices. This module shall also be capable of monitoring Linear Beam detectors and conventional Flame detectors. Where required, there shall be an intrinsically safe detection solution for NEMA defined intrinsically safe installations compatible with the conventional zone module.
4. Single Device Damper Monitoring and Control: A single switch input shall be able to monitor all 3 states of a damper – open, closed, and in transit. A single device shall be able to fully control a damper (through the relay connected to the motor control) while also using its switch input for monitoring all 3 states of the damper.
5. Addressable input/output module shall be insensitive to polarity and shall have capability for up to 4 separate inputs (Class B) or 2 separate Class A inputs and 4 separate outputs (Class B).

2.4 DEVICE PROGRAMMING UNIT

- A. Device Programming Unit: The programming tool shall program the intelligent devices with addresses. The unit shall test the device to respond to its address. Dip switches and rotary switches shall not be acceptable. The programmer shall have a carrying case.

2.5 NOTIFICATION APPLIANCES

A. General

1. All notification appliances shall be listed for "Special Applications"
2. All notification appliances shall be backward compatible.
3. All inputs shall be compatible with standard, reverse polarity supervision of circuit wiring by a Fire-Alarm Control Panel (FACP).

- B. Strobes
 - 1. Provide products that are listed and labeled as complying with UL 1971 for Indoor Fire Protection Service, and meeting the requirements of FCC Part 15, Class B.
 - 2. Strobe appliances shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range, and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens.
 - 3. The Strobe shall be of low-current design.
 - 4. The strobe intensity shall have field-selectable settings, and shall be rated per UL 1971 for 15/30/75/95cd or 115/177cd for ceiling mount where Multi-Candela appliances are specified.
 - 5. The selector switch for selecting the candela shall be tamper resistant.
 - 6. The appliance shall be compatible with sync modules or strobe power panel supply with built-in sync protocol when synchronization is required.
 - 7. The strobes shall not drift out of synchronization at any time during operation.
 - 8. If the sync module or Power Supply fails to operate, (i.e. - contacts remain closed), the strobe shall revert to a non-synchronized flash rate.
 - 9. The strobes shall be designed for indoor surface of flush mounting
 - 10. The Strobe Appliances shall incorporate a Patented, Integral Strobe Mounting Plate that shall allow mounting to single-gang, double-gang, 4-inch square, 100mm European type back boxes, or the surface back box.
 - 11. The Multi-Candela or Single-Candela Strobe Plate shall mount to either a standard, 4-inch square back box for flush mounting, or shall mount to a box for surface mounting.
- C. AC Horn
 - 1. Provide products that are listed and labeled as complying with UL 464.
 - 2. Material: Die-cast metal housing to protect the horn mechanism.
 - a. Finish: Textured enamel.
 - 3. Sound output: 95 dBA minimum at 10 feet.
 - 4. Mounting options shall include surface mounting for indoor or outdoor applications and semi-flush for indoor applications
 - 5. All models shall have screw terminal inputs for in / out field wiring.
- D. Mini Horn Appliances
 - 1. Provide products that are listed and labeled as complying with UL 464.
 - 2. Notification appliance shall be electronic, and shall have field-selectable settings for Temporal (Code 3) or continuous horn and support coded-systems operation.
 - 3. The anechoic sound pressure measurement on Temporal (Code 3) and Continuous Horn settings shall each be 87 dBA minimum at 24VDC.
 - 4. IN / OUT wiring using terminals that accept #12 to #18 AWG wiring.
 - 5. The appliances shall be mounted indoors, and mount on standard, single-gang electrical back boxes requiring no additional trim plates or adapters
- E. Horn and Horn Strobe Appliances
 - 1. Provide products that are listed and labeled as complying with UL 1971, UL 464, and meeting the requirements of FCC Part 15, Class B.
 - 2. Horn Strobe and standalone Horn Appliances shall have a minimum of three (3) field selectable setting for dBA levels, and shall have a choice of continuous or temporal (Code 3) audible outputs.
 - 3. Devices shall be of low-current design.
 - 4. Strobe portion of the appliance shall produce a flash rate of one (1) flash per second over the Regulated Input Voltage Range, and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens.
 - 5. Strobe intensity, where Multi-Candela appliances are specified, shall have field-selectable settings, and shall be rated per UL 1971 for:
 - a. 15/30/75/110cd.
 - b. 135/185cd.
 - 6. The selector switch for selecting the candela setting shall be tamper resistant.
 - 7. The appliance, when synchronization is required, shall be compatible with sync modules or Power Supplies with built-in Sync Protocol.
 - 8. The strobes shall not drift out of synchronization at any time during operation.

9. The strobes shall revert to a non-synchronized flash-rate, if the sync module or Power Supply should fail to operate (i.e. – contacts remain closed).
10. All candela ratings represent minimum-effective Strobe intensity, based on UL 1971.

F. Speaker Strobe Appliances

1. Speaker Strobe Appliances shall meet and be listed for UL 1480.
2. Speaker shall operate on a standard 25VRMS or 70.7VRMS NAC using twisted / shielded wire.
3. Speaker shall have the following taps: 0.25W, 0.50W, 1.0W and 2.0W.
4. The speaker frequency shall be 400Hz to 4000Hz for fire alarm, and 125Hz to 12kHz for general signaling.
5. The speaker shall install directly to a 4 inch square, 1-1/2 inch deep box with 1-1/2 inch extension.
6. Strobe portion of the appliance shall produce a flash rate of one (1) flash per second over the Regulated Input Voltage Range, and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens.
7. Strobe intensity, where Multi-Candela appliances are specified, shall have field-selectable settings, and shall be rated per UL 1971 for:
 - a. 15/30/75/110cd
 - b. 135/185cd
8. The selector switch for selecting the candela setting shall be tamper resistant.
9. The appliance, when synchronization is required, shall be compatible with sync modules or Power Supplies with built-in Sync Protocol.
10. The strobes shall not drift out of synchronization at any time during operation.
11. The strobes shall revert to a non-synchronized flash-rate, if the sync module or Power Supply should fail to operate (i.e. – contacts remain closed).
12. All notification appliances shall listed for Special Applications:
 - a. Strobes are designed to flash at 1-flash-per-second minimum over their “Regulated Input Voltage Range”.
13. All candela ratings represent minimum-effective Strobe intensity, based on UL 1971.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine areas and conditions for compliance with requirements for installation tolerances and other conditions affecting performance of the Work.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Perform work in accordance with the requirements of NFPA 70, NFPA 72 and NECA 1 - Standard of Good Workmanship in Electrical Contracting.
- B. Fasten equipment to structural members of building or metal supports attached to structure, or to concrete surfaces.
- C. In the event that limited energy cable installation is allowed, all cable runs shall be run at right angles to building walls, supported from structure at intervals not exceeding 3 feet and where installed in environmental air plenums, be rated for such use and tied/supported by components listed for environmental air plenums installation.
- D. Provide primary power for each panel from normal/ emergency panels as indicated on the Electrical Power Plans. Power shall be 120 VAC service, transformed through a two-winding, isolation type transformer and rectified to low voltage DC for operation of all circuits and devices.
- E. Voice Control Unit:

1. Provide Voice Control Unit and interconnection to existing Fire Alarm Control Panel.
2. Program notification zones and voice messages as directed by Owner.

3.3 INSTALLATION - CABLING

- A. Wherever possible, cables shall be concealed within wall or ceiling cavities.
- B. Provide cabling utilizing methods indicated:
 1. Within conduit as specified in Section 26 05 33.13:
 - a. Above any inaccessible ceiling system.
 - b. At any exposed area, unless noted otherwise.
 2. Within J-hooks or cable trays as specified in Section 26 05 29:
 - a. Above accessible ceiling systems.
 - b. In any mechanical or storage spaces with no ceiling system.
 3. Within surface mounted raceway as specified in Section 26 05 33.23:
 - a. For any surface mounted wall devices being installed on existing block walls where no usable pathway exists.
 4. Within enclosures:
 - a. Bundle, lace, and train conductors to terminal points with no excess and without exceeding manufacturer's limitations on bending radii. Provide and use lacing bars and distribution spools.
- C. Regardless of method utilized, install firestopping to preserve fire resistance ratings of partitions and other elements, using materials and methods specified in Section 07 84 00.
- D. Notify Architect and obtain approval prior to proceeding with installations that will not conform to methods outlined above, or that could result in aesthetically objectionable conditions.

3.4 BOXES, ENCLOSURES AND WIRING DEVICES

- A. Boxes shall be installed plumb and firmly in position.
- B. Extension rings with blank covers shall be installed on junction boxes where required.
- C. Junction boxes served by concealed conduit shall be flush mounted.
- D. Upon initial installation, all wiring outlets, junction, pull and outlet boxes shall have dust covers installed. Dust covers shall not be removed until wiring installation when permanent dust covers or devices are installed.
- E. "Fire alarm system" decal or silk-screened label shall be applied to all junction box covers.

3.5 CONDUCTORS

- A. Each conductor shall be identified as shown on the drawings at each with wire markers at terminal points. Attach permanent wire markers within 2 inches of the wire termination. Marker legends shall be visible.
- B. All wiring shall be supplied and installed in compliance with the requirements of the National Electric Code, NFPA 70, Article 760, and that of the manufacturer.
- C. Wiring shall be in accordance with the approved color code for system conductors to allow rapid identification of circuit types.
- D. Wiring for strobe and audible circuits shall be a minimum 14 AWG, signal line circuits minimum 18 AWG twisted.
- E. All splices shall be made using solderless connectors. All connectors shall be installed in conformance with the manufacturer recommendations.

- F. Crimp-on type spade lugs shall be used for terminations of stranded conductors to binder screw or stud type terminals. Spade lugs shall have upset legs and insulation sleeves sized for the conductors.
- G. Wiring within sub panels shall be arranged and routed to allow accessibility to equipment for adjustment and maintenance.

3.6 DEVICES

- A. Relays and other devices to be mounted in auxiliary panels are to be securely fastened to avoid false indications and failures due to shock or vibration.
- B. Wiring within panels shall be arranged and routed to allow accessibility to equipment for adjustment and maintenance.
- C. All devices and appliances shall be mounted to or in an approved electrical box.
- D. Provide additional wiring and terminations as needed for any existing device or power supply requiring relocation due to space / room renovations and reconfiguration.

3.7 IDENTIFICATION

- A. Identify system components, wiring, cabling, and terminals. Comply with requirements for identification specified in 26 05 53 - Identification for Electrical Systems.
- B. Permanently label or mark each conductor at both ends with permanent alphanumeric wire markers.
- C. A consistent color code for fire alarm system conductors throughout the installation.

3.8 EXTRA MATERIALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

3.9 ADDITIONAL COMPONENTS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Provide labor and materials to provide (2) additional Ionization Area Smoke Detectors and 250 linear feet of fire alarm circuitry (in addition to those shown on plans). Install at locations as directed by Engineer.
 - 2. Provide labor and materials to provide (2) additional Duct Smoke Detectors, 250 linear feet of fire alarm circuitry, and RTS (and control circuitry) in addition to those shown on plans. Install at locations as directed by Engineer.
 - 3. Provide labor and materials to provide (2) additional Rate of Rise Temperature Heat Detectors and 250 linear feet of fire alarm circuitry (in addition to those shown on plans). Install at locations as directed by Engineer.
 - 4. Provide labor and materials to provide (2) additional Fixed Temperature Heat Detectors and 250 linear feet of fire alarm circuitry (in addition to those shown on plans). Install at locations as directed by Engineer.

3.10 FIELD QUALITY CONTROL

- A. Testing General:
 - 1. All Alarm Initiating Devices shall be observed and logged for correct zone and sensitivity. These devices and their bases shall be tagged with adhesive tags located in an area not visible when installed, showing the initials of the installing technician and date.
 - 2. Wiring runs shall be tested for continuity, short circuits and grounds before system is energized. Resistance, current and voltage readings shall be made as work progresses.

3. The acceptance inspector shall be notified before the start of the required tests. All items found at variance with the drawings or this specification during testing or inspection by the acceptance inspector shall be corrected.
4. Test reports shall be delivered to the acceptance inspector as completed.
5. All test equipment, instruments, tools and labor required to conduct the system tests shall be made available by the installing contractor. The following equipment shall be a minimum for conducting the tests:
 - a. Ladders and scaffolds as required to access all installed equipment.
 - b. Multi-meter for reading voltage, current and resistance.
 - c. Two way radios, and flashlights.
 - d. A manufacturer recommended device for measuring air flow through air duct smoke detector sampling assemblies.
 - e. Decibel meter.
 - f. In addition to the testing specified to be performed by the installing contractor, the installation shall be subject to test by the acceptance inspector.

3.11 ACCEPTANCE TESTING

- A. A written acceptance test procedure (ATP) for testing the fire alarm system components and installation will be prepared by the engineer in accordance with NFPA 72 and this specification. The contractor shall be responsible for the performance of the ATP, demonstrating the function of the system and verifying the correct operation of all system components, circuits, and programming.
- B. A program matrix shall be prepared by the installing contractor referencing each alarm input to every output function affected as a result of an alarm condition on that input.
- C. The installing contractor prior to the ATP shall prepare a complete listing of all device labels for alphanumeric annunciator displays.
- D. Loop Resistance Tests: Measure and record the resistance of each circuit with each pair of conductors in the circuit short-circuited at the farthest point from the circuit origin. The tests shall be witnessed by the owner and test results recorded for use at the final acceptance test.
- E. Preliminary Testing: Conduct preliminary tests to ensure that all devices and circuits are functioning properly. After preliminary testing is complete, provide a letter certifying that the installation is complete and fully operable. The letter shall state that each initiating and indicating device was tested in place and functioned properly. The letter shall also state that all panel functions were tested and operated properly. The Contractor and an authorized representative from each supplier of equipment shall be in attendance at the preliminary testing to make necessary adjustments.
- F. Final Acceptance Test: Notify the owner in writing when the system is ready for final acceptance testing. Submit request for test at least 14 calendar days prior to the test date. A final acceptance test will not be scheduled until Megger test results, the loop resistance test results, and the submittals required in Part 1 are provided to the owner. Test the system in accordance with the procedures outlined in NFPA 72.
 1. Verify that the control unit is in the normal condition as detailed in the manufacturer's operating and maintenance manual.
 2. Test each initiating and indicating device and circuit for proper operation and response. Disconnect the confirmation feature for smoke detectors during tests to minimize the amount of smoke or test gas needed to activate the detector.
 3. Test the system for all specified functions in accordance with the contract drawings and specifications and the manufacturer's operating and maintenance manual.
 4. Visually inspect all wiring.
 5. Verify that all software control and data files have been entered or programmed into the FACP.
 6. Verify that Shop Drawings reflecting as-built conditions are accurate.
 7. Measure the current in circuits to assure that there is the calculated spare capacity for the circuits.
 8. Measure voltage readings for circuits to assure that voltage drop is not excessive.
 9. Measure the voltage drop at the most remote appliance on each notification appliance circuit.

- G. The acceptance inspector shall use the system record drawings in combination with the documents specified in this specification during the testing procedure to verify operation as programmed. In conducting the ATP, the acceptance inspector shall request demonstration of any or all input and output functions. The items tested shall include but not be limited to the following:
 - 1. System wiring shall be tested to demonstrate correct system response and correct subsequent system operation in the event of:
 - a. Open, shorted and grounded signal line circuits.
 - b. Open, shorted and grounded notification, releasing circuits.
 - c. Primary power or battery disconnected.
 - 2. System notification appliances shall be demonstrated as follows:
 - a. All alarm notification appliances actuate as programmed.
 - b. Audibility and visibility at required levels.
 - 3. System indications shall be demonstrated as follows:
 - a. Correct message display for each alarm input at the control display.
 - b. Correct annunciator light for each alarm input at each annunciator and graphic display as shown on the drawings.
 - c. Correct history logging for all system activity.
 - 4. System off-site reporting functions shall be demonstrated as follows:
 - a. Correct zone transmitted for each alarm input.
 - b. Trouble signals received for disconnect.
 - 5. Secondary power capabilities shall be demonstrated as follows:
 - a. System primary power shall be disconnected for a period of time as specified herein. At the end of that period, an alarm condition shall be created and the system shall perform as specified for a period as specified.
 - b. System primary power shall be restored for forty-eight hours and system-charging current shall be normal trickle charge for a fully charged battery bank.
 - c. System battery voltages and charging currents shall be checked at the fire alarm control panel.

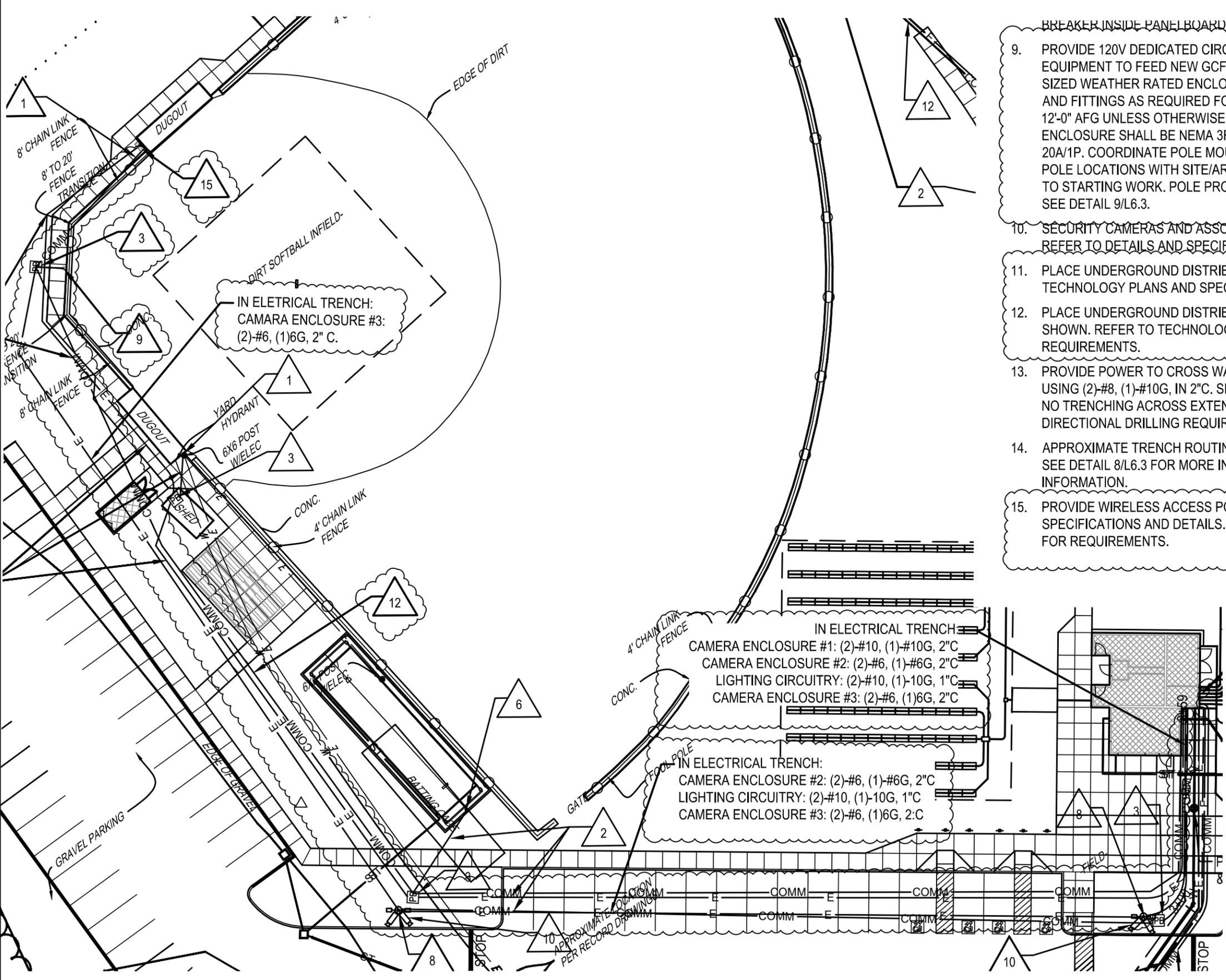
3.12 DOCUMENTATION

- A. System documentation shall be furnished to the owner and shall include but not be limited to the following:
 - 1. System record drawings and wiring details including one set of reproducible drawings, and a Flash drive with copies of the record drawings in PDF format.
 - 2. System operation, installation and maintenance manuals.
 - 3. System matrix showing interaction of all input signals with output commands.
 - 4. Documentation of system voltage, current and resistance readings taken during the installation, testing and ATP phases of the system installation.
 - 5. System program showing system functions, controls and labeling of equipment and devices.

3.13 PROTECTION

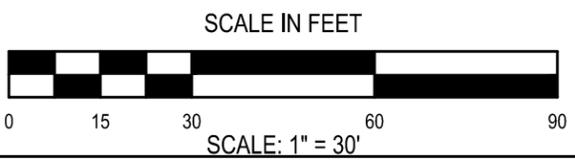
- A. Remove and replace devices and panel components that are wet, moisture damaged, or mold damaged.

END OF SECTION



REFER TO L5.1 AND L5.2 - SITE UTILITY PLAN

1 SOFTBALL BACKSTOP UPDATE
SCALE: 1" = 30'



- BREAKER INSIDE PANELBOARD TR IN TOILET ROOM. CIRCUIT AS SHOWN ON PLAN.
9. PROVIDE 120V DEDICATED CIRCUIT TO EACH POLE FOR FUTURE HUDDLE SYSTEM EQUIPMENT TO FEED NEW GCFI-TYPE DUPLEX RECEPTACLE IN APPROPRIATELY SIZED WEATHER RATED ENCLOSURE, WITH LIQUID TIGHT RACEWAY, CONNECTIONS AND FITTINGS AS REQUIRED FOR ROUTING AT EACH POLE. MOUNT RECEPTACLE AT 12'-0" AFG UNLESS OTHERWISE NOTED. CAMARA WILL BE MOUNTED AT 12'-0" HIGH. ENCLOSURE SHALL BE NEMA 3R OR NEMA 4X. CIRCUIT FROM PANEL TR USING 20A/1P. COORDINATE POLE MOUNTING HEIGHTS, CONDUIT ROUTING, AND EXACT POLE LOCATIONS WITH SITE/ARCHITECT, RELATED TRADES, AND DRAWINGS PRIOR TO STARTING WORK. POLE PROVIDED SHOULD MATCH SITE ELECTRICAL LIGHT POLE, SEE DETAIL 9/L6.3.
 10. SECURITY CAMERAS AND ASSOCIATED EQUIPMENT BY CONTROLS CONTRACT. REFER TO DETAILS AND SPECIFICATIONS.
 11. PLACE UNDERGROUND DISTRIBUTION OF SM FIBER IN ROUTE AS SHOWN. REFER TO TECHNOLOGY PLANS AND SPECIFICATIONS FOR CABLE REQUIREMENTS.
 12. PLACE UNDERGROUND DISTRIBUTION OF COMMUNICATIONS CABLE IN ROUTE AS SHOWN. REFER TO TECHNOLOGY PLANS AND SPECIFICATIONS FOR CABLE REQUIREMENTS.
 13. PROVIDE POWER TO CROSS WALK SIGNS AS SHOWN. CIRCUIT FROM TR BUILDING USING (2)-#8, (1)-#10G, IN 2" C. SEE DETAIL 8/L6.3 AND 5/L6.1 FOR MORE INFORMATION. NO TRENCHING ACROSS EXTENTS OF COUNTRY ROUTE 74 ROAD RIGHT OF WAY. DIRECTIONAL DRILLING REQUIRED.
 14. APPROXIMATE TRENCH ROUTING FOR NEW ELECTRICAL SERVICE FOR AG BUILDING. SEE DETAIL 8/L6.3 FOR MORE INFORMATION. REFER TO AG-E3.1 FOR CIRCUITRY INFORMATION.
 15. PROVIDE WIRELESS ACCESS POINT. REQUIRES CABLE AND COMPONENTS PER SPECIFICATIONS AND DETAILS. REFER TO TECHNOLOGY PLANS AND SPECIFICATION FOR REQUIREMENTS.

DRAWN BY:	DD
CHECKED BY:	LG
DATE:	02/27/26

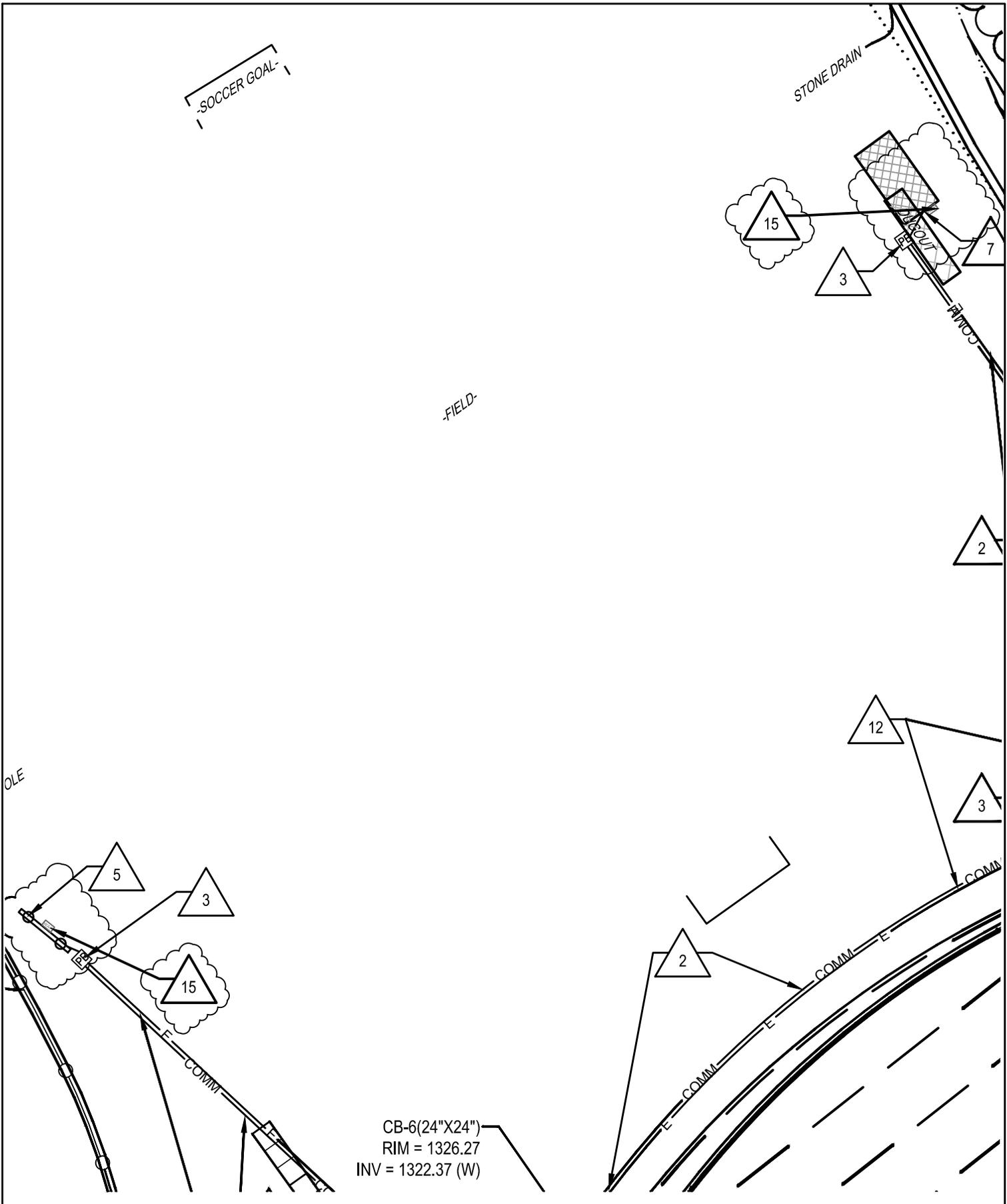
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IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS BEARING A LICENSED ENGINEER'S, ARCHITECT'S OR SURVEYOR'S SEAL.

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-358-1000 ROCHESTER, NY 585-327-7950
 TOWANDA, PA 570-265-4868 BINGHAMTON, NY 607-798-8081
 ALBANY, NY 607-798-8081 WWW.HUNT-EAS.COM
 NY CERTIFICATE NO. 0018220 PA CERTIFICATE NO. TSC2203131464-1

SOFTBALL BACKSTOP UPDATE
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CSD
 7274 CT RT 74 PRATTSBURGH NY 14873

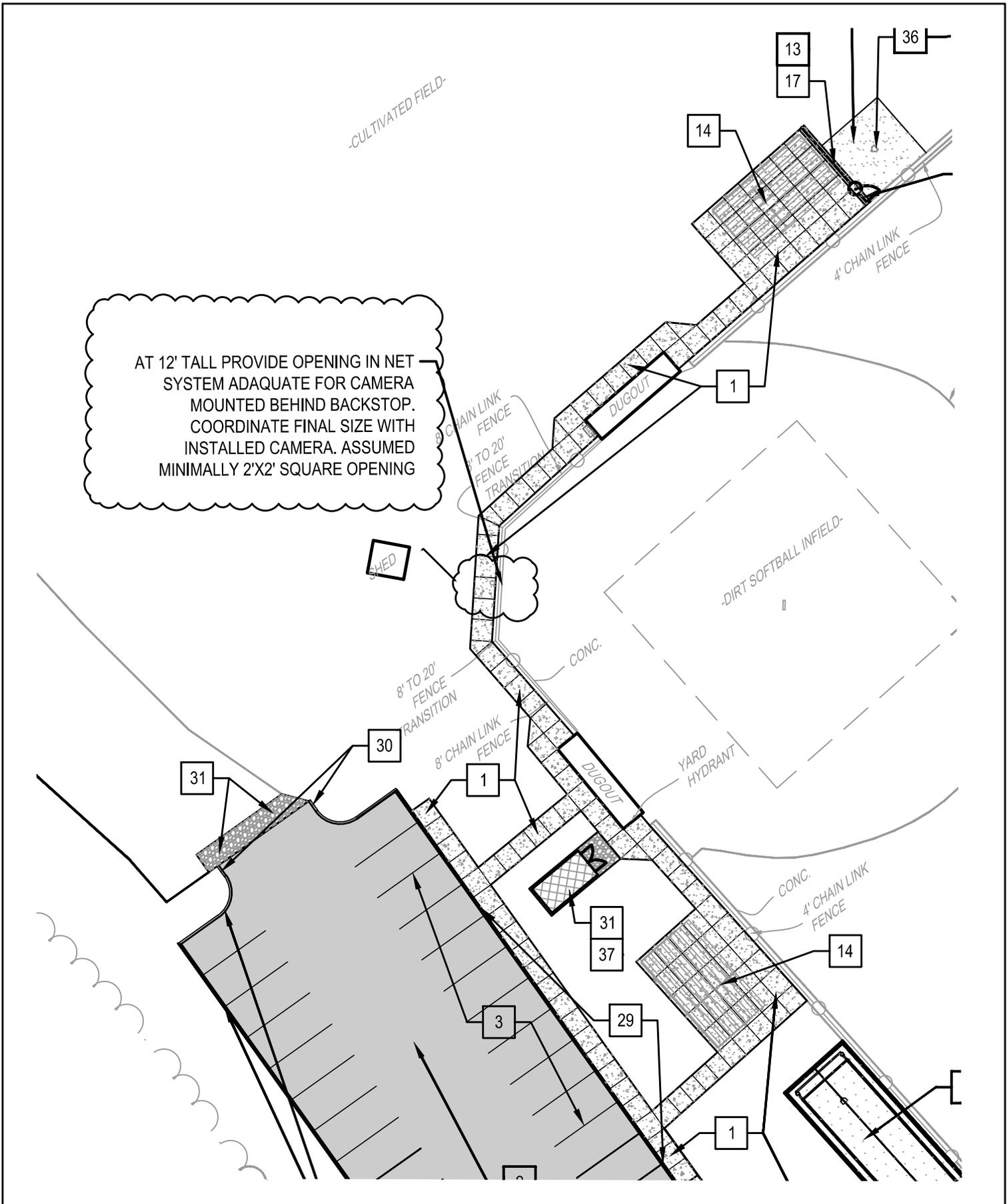
AD2-L2
 PROJECT NO: 2716-043



WAP AT SOCCER FIELD AND SCOREBOARD UPDATE
2025 CAPITAL IMPROVEMENT PROJECT
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SOFTBALL BACKSTOP FENCE UPDATE
2025 CAPITAL IMPROVEMENT PROJECT
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PROVIDE SLIDE IN EAVE TRIM SIM. TO MANUF. DETAIL UC-E-1 FOR TRANSITION OF EXISTING TO NEW METAL ROOFING SYSTEMS

METAL ROOFING INSTALLED VERTICALLY FROM EXISTING ROOF ABOVE TO NEW PITCHBREAK BELOW

SIDE WALL FLASHING WITH MODIFIED J-CHANNEL AT REGLET SIM. TO MANUF. DETAIL

5/8" EXTERIOR SHEATHING

1 1/2" METAL ROOF DECKING

ALL EXPOSED STRUCTURAL STEEL NEW & EXISTING TO BE CLEANED, PREPPED AND PAINTED

EXISTING CANOPY ROOF

EXISTING STRUCTURAL STEEL

ALUMINUM FLUSH SOFFIT SYSTEM INSTALLED VERTICALLY FROM BEAM TO BEAM. PROVIDE J-CHANNEL TRIM ON ALL (4) SIDES TYP.

5/8" EXT. SHEATHING BOTH SIDES TYP. W/ SELF ADHERED VAPOR BARRIER TYP.

T.O. NEW CANOPY EXTENSION STRUCTURE 11' - 10"

3 5/8" CMFM INFILL BEAM TO BEAM

EXPOSED STRUCTURAL STEEL REFER TO "S" SERIES DWGS.

6 **ROOF DETAIL @ CANOPY EXTENSION / EXG. CANOPY**
1 1/2" = 1'-0"

ROOF DETAIL @ CANOPY EXTENSION / EXG. CANOPY
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
1 ACADEMY STREET, PRATTSBURGH, NY 14873

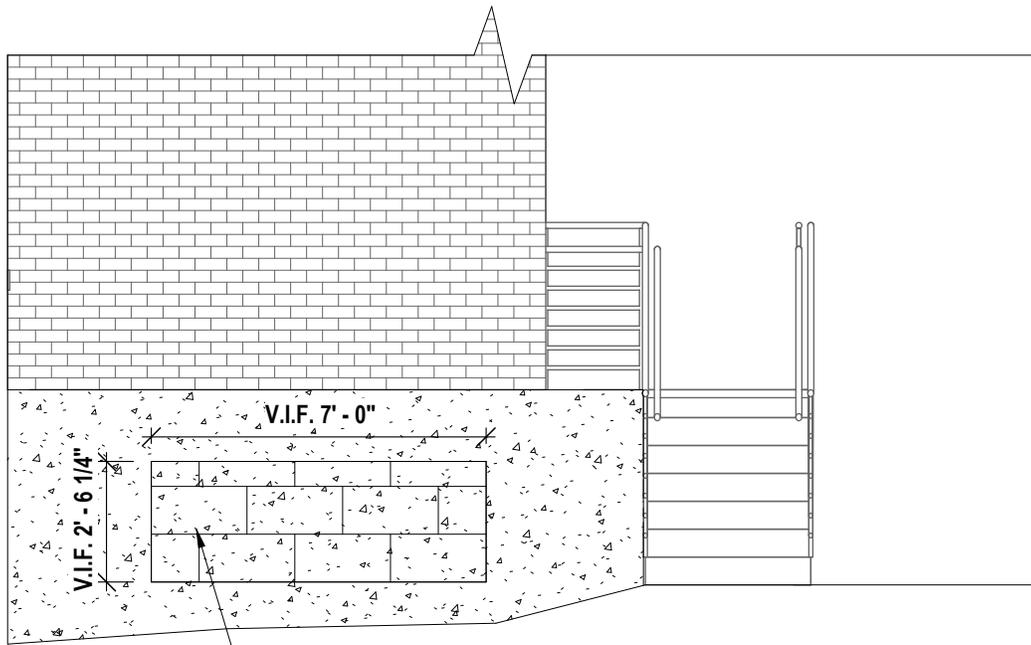
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2716-043



REMOVE EXISTING FOUNDATION HVAC LOUVER IN ITS ENTIRETY. REPAIR AND PREP EXISTING SURFACES FOR NEW WORK. INFILL FOUNDATION OPENING WITH 4" CMU AT PERIMETER WITH BACKERROD & CAULK INTERIOR SIDE OF CMU INFILL PROVIDE 4" OF POLYISO, HAT TRACK AND 5/8" GYPSUM INTERIOR FACE. TAPE AND PAINT INTERIOR GYP. "

1 LOUVER INFILL @ EXTERIOR ELEVATION
 1/4" = 1'-0"

LOUVER INFILL @ EXTERIOR ELEVATION
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
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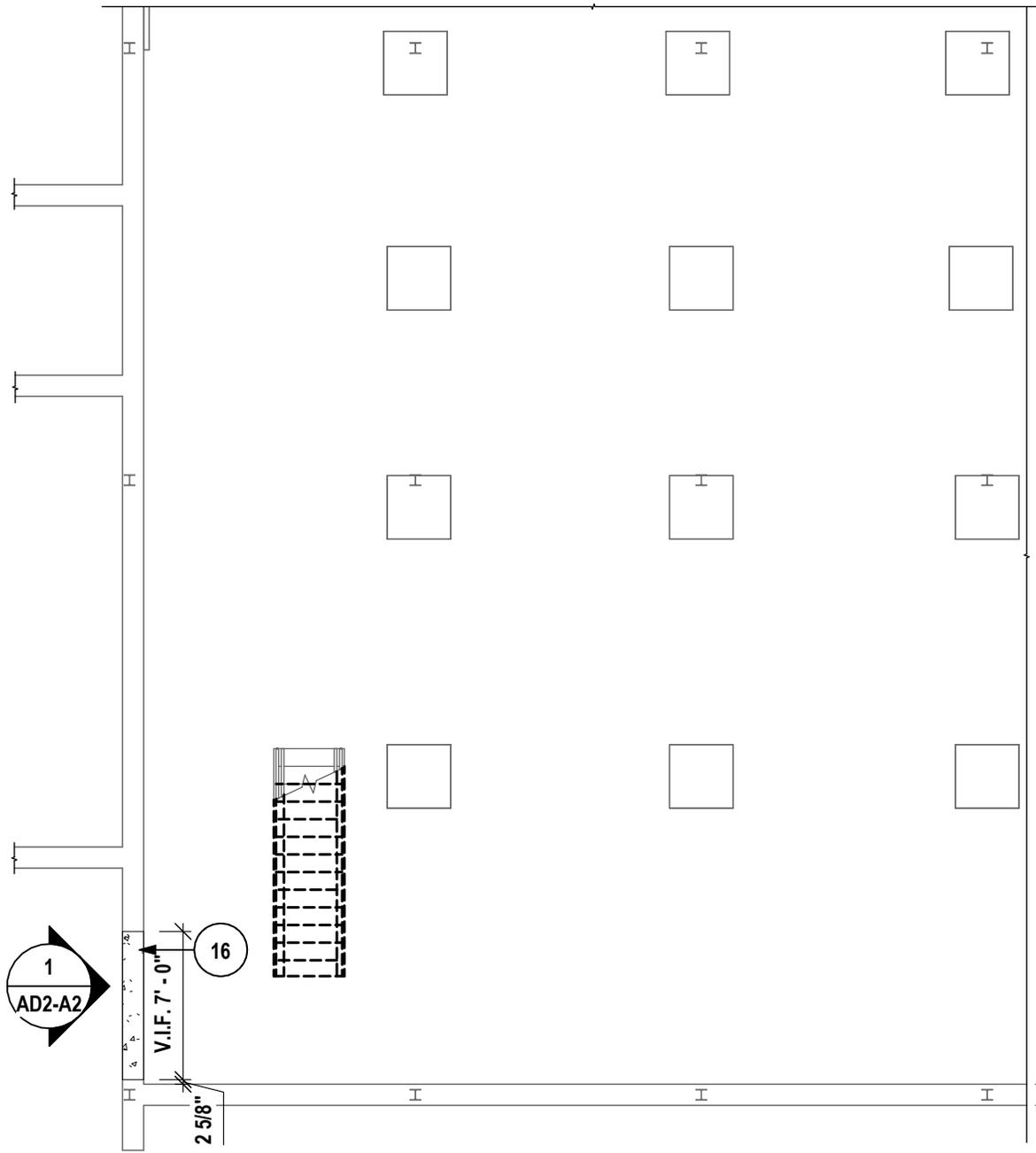
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AD2-A2

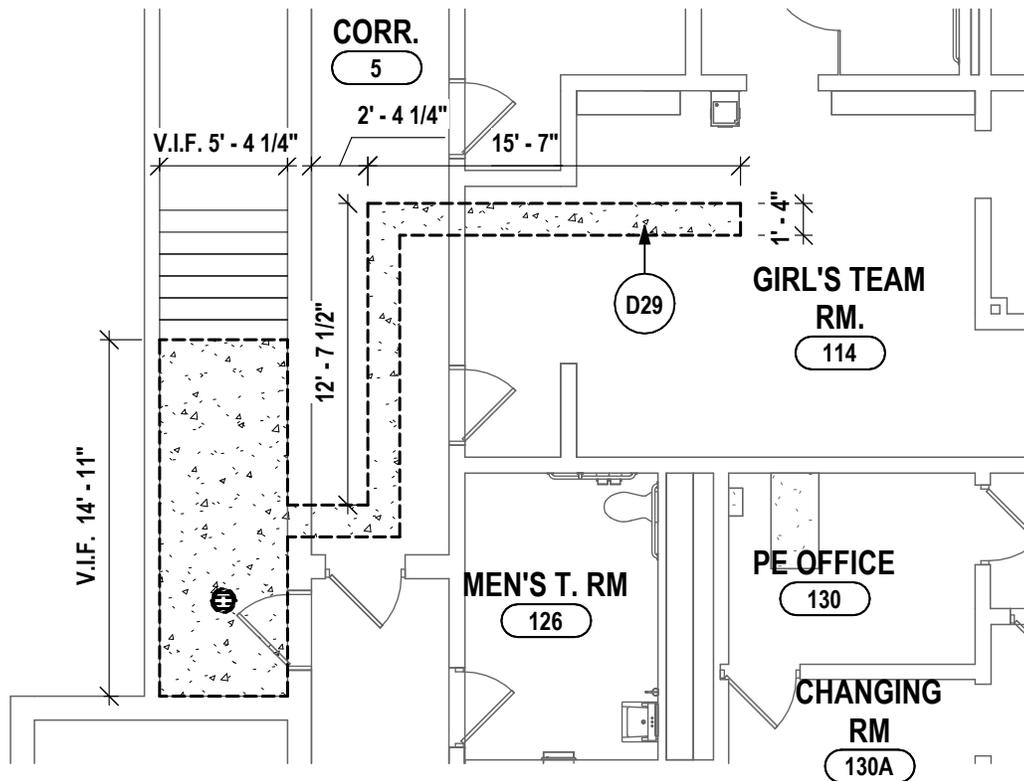
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3/4/2026

PROJECT NO:
2716-043



1 CRAWLSPACE PLAN - AREA B
 1/8" = 1'-0"

CRAWLSPACE PLAN - AREA B		AD2-A3
2025 CAPITAL IMPROVEMENT PROJECT PRATTSBURGH CENTRAL SCHOOL DISTRICT 1 ACADEMY STREET, PRATTSBURGH, NY 14873		HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868



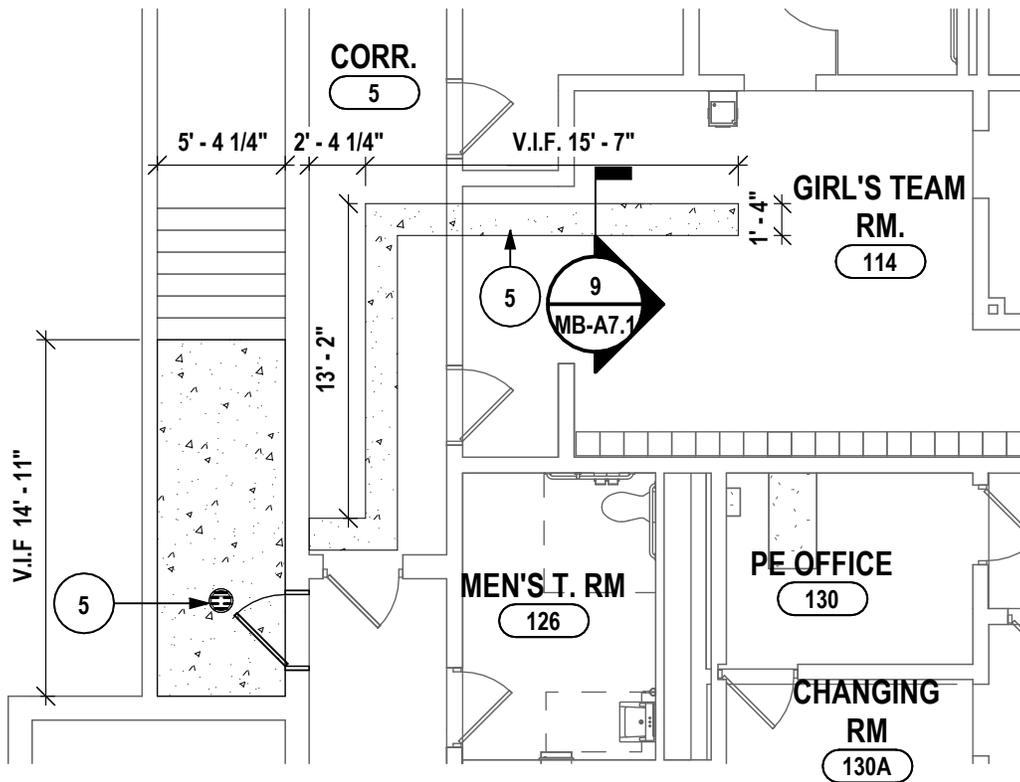
1 **GROUND FLOOR - AREA A TRENCHING @ FLOOR DRAIN**
 1/8" = 1'-0"

GROUND FLOOR - AREA A TRENCHING @ FLOOR DRAIN
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1 GROUND FLOOR - AREA A INFILL @ FLOOR DRAIN
 1/8" = 1'-0"

GROUND FLOOR - AREA A INFILL @ FLOOR DRAIN

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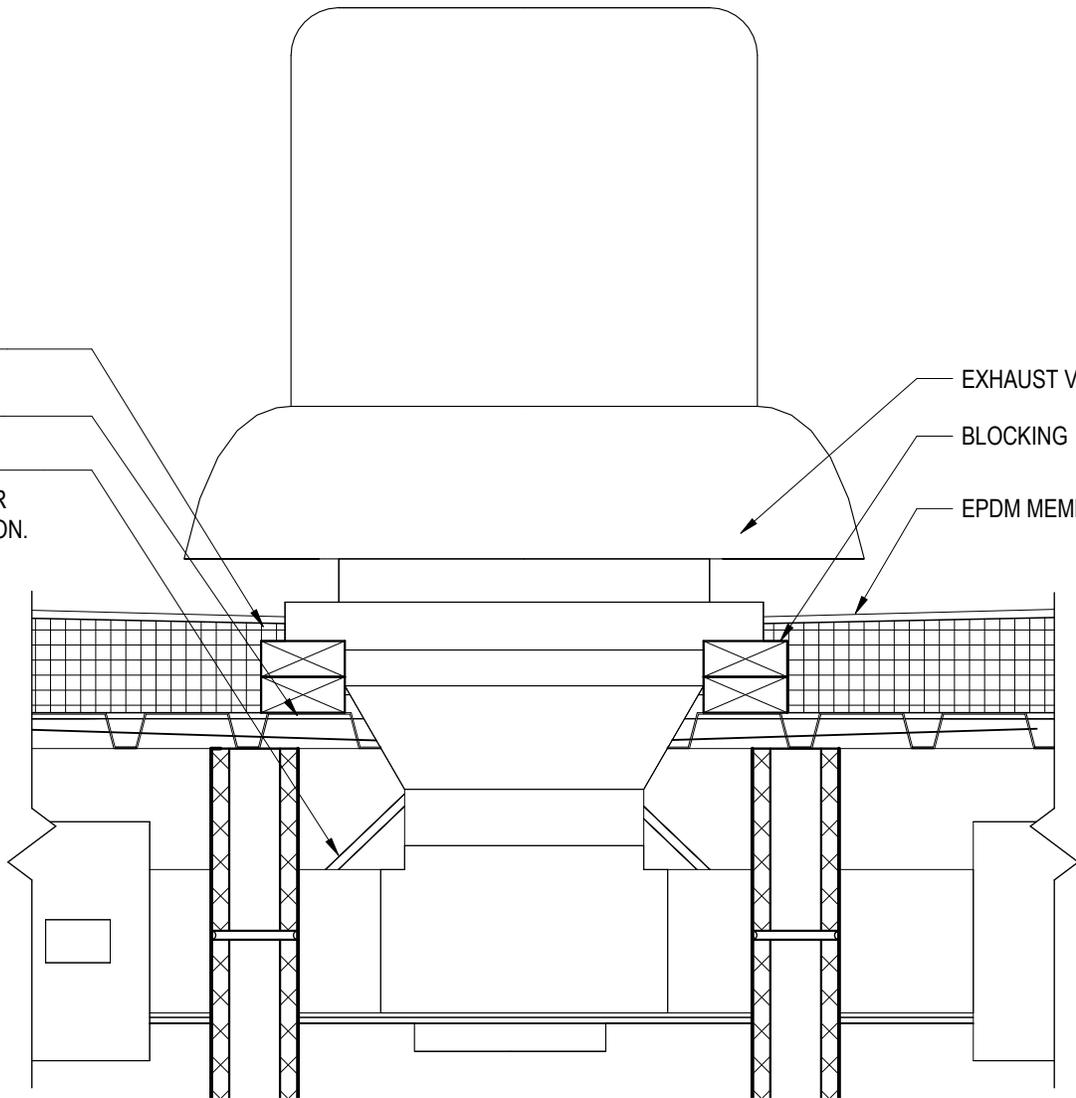
AD2-A5

DATE:
 3/4/2026

PROJECT NO:
 2716-043

TAPERED INSULATION
 METAL ROOF DECK
 METAL JOISTS; SEE
 STRUCTURAL DWGS FOR
 ADDITIONAL INFORMATION.

EXHAUST VENTILATOR
 BLOCKING
 EPDM MEMBRANE



11 SECTION @ EXHAUST VENTILATOR
 1 1/2" = 1'-0"

SECTION @ EXHAUST VENTILATOR
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH NY

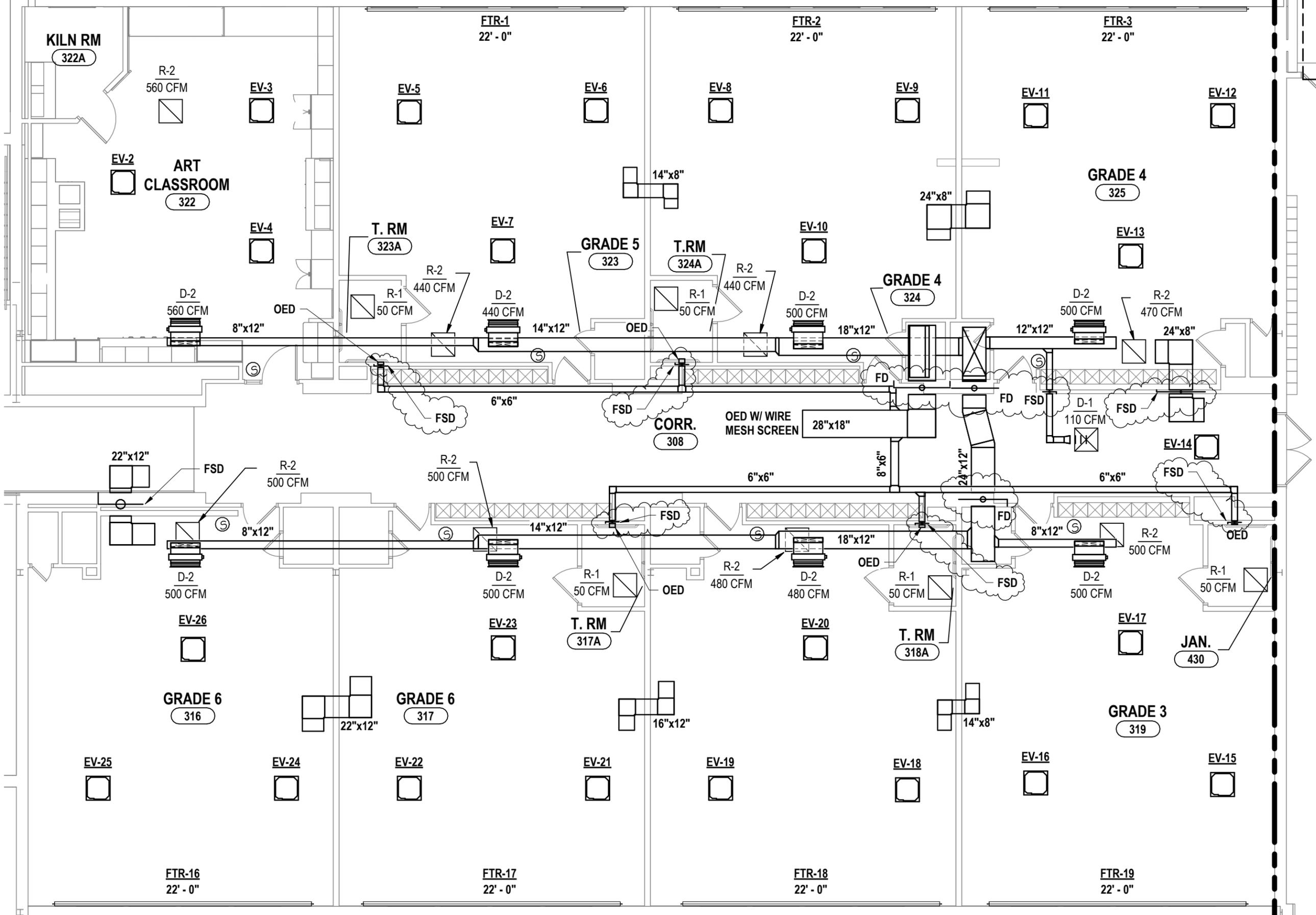
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AD2-A6

DATE:
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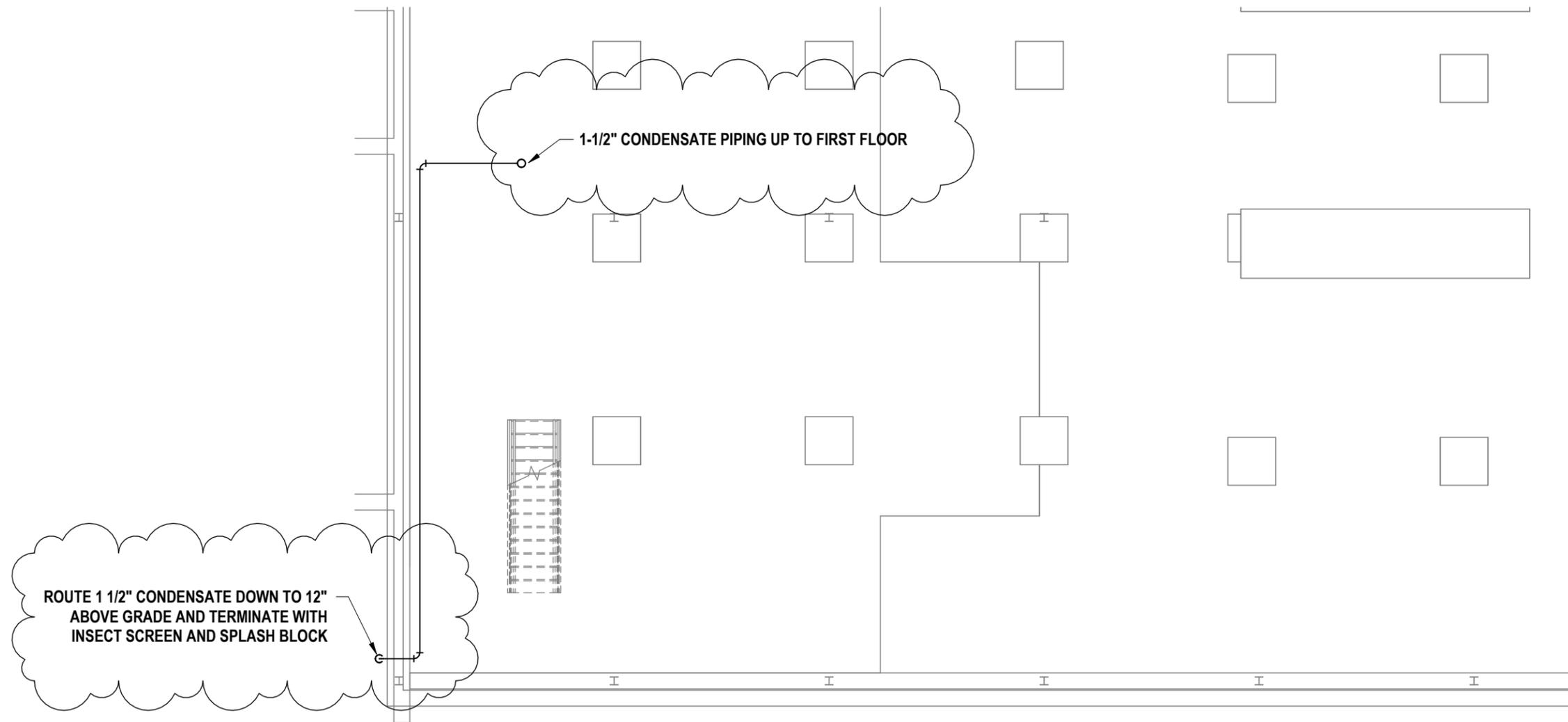
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MODIFICATIONS TO CORRIDOR 308 DUCTWORK
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET PRATTSBURGH, NY 148473

① **MODIFICATIONS TO CORRIDOR 308 DUCTWORK**
 1/8" = 1'-0"

AD2-H1
 PROJECT NO: 2716-043



① BASEMENT PIPING PLAN MODIFICATIONS
1/8" = 1'-0"

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BASEMENT CONDESATE SIZING
 2025 CAPITAL IMPROVEMENT PROJECT
 PRATTSBURGH CENTRAL SCHOOL DISTRICT
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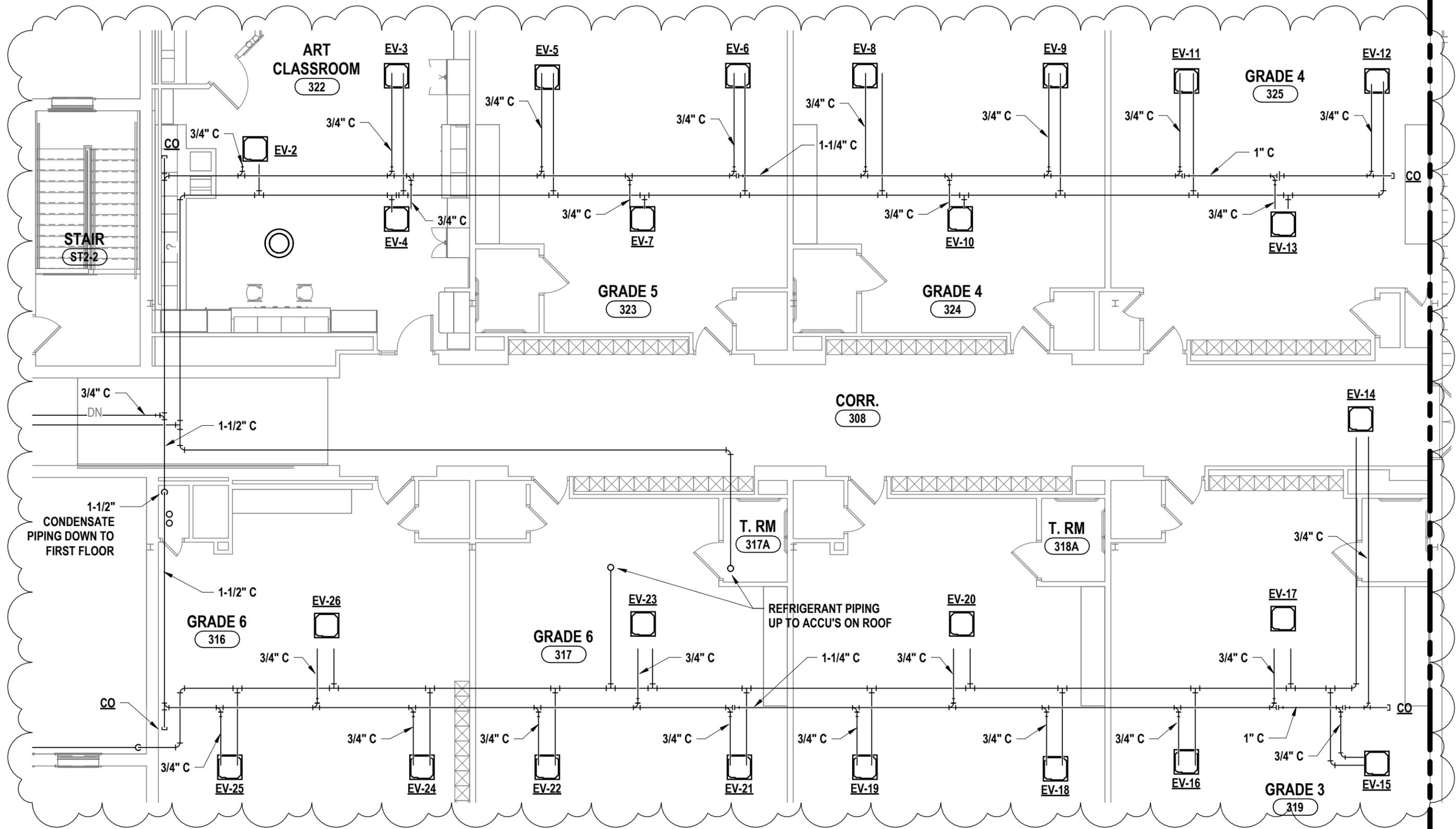
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SECOND FLOOR CONDENSATE SIZING
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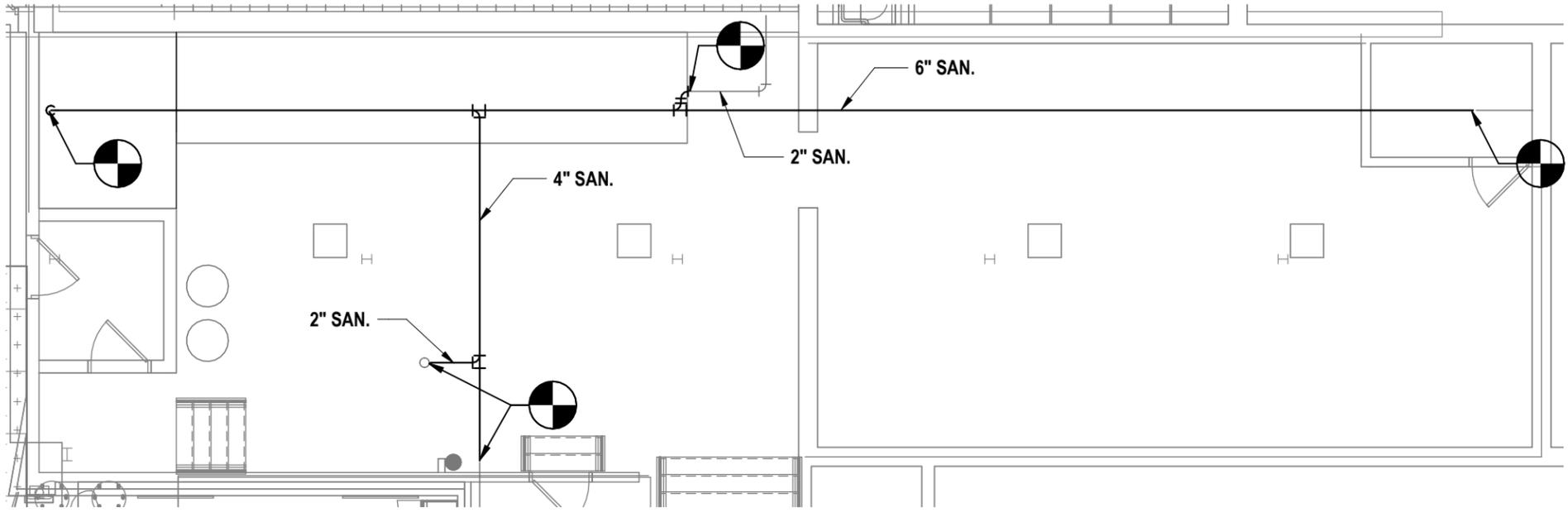
AD2-H3



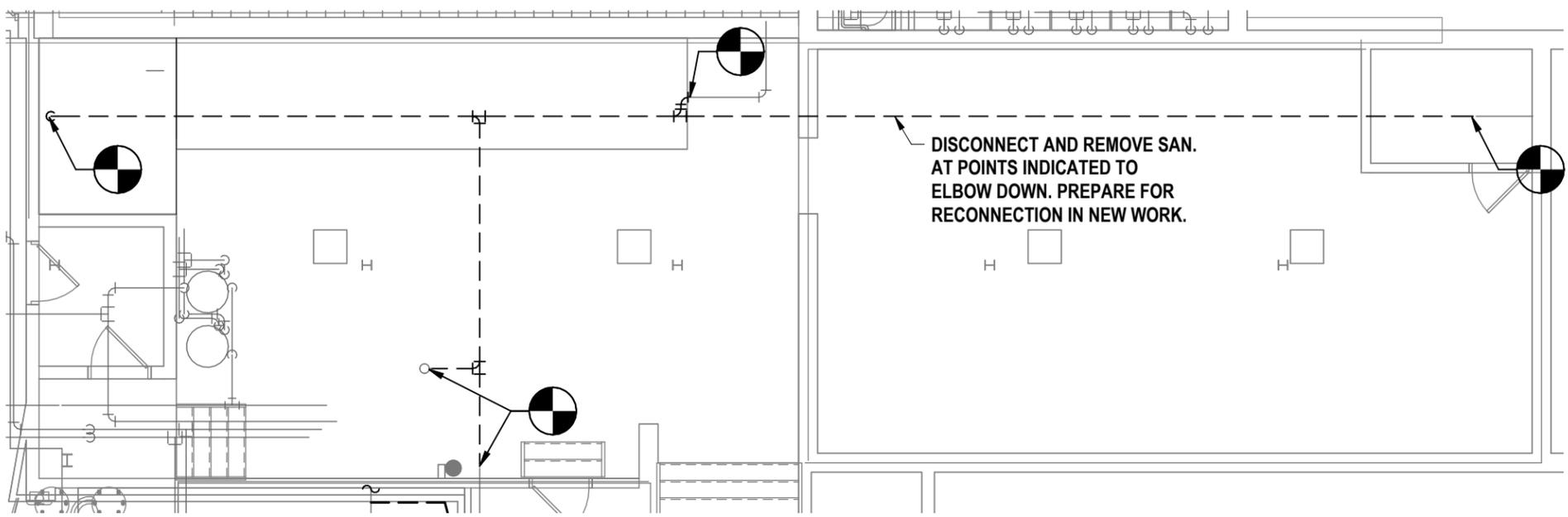
① SECOND FLOOR PIPING PLAN MODIFICATIONS
 1/8" = 1'-0"

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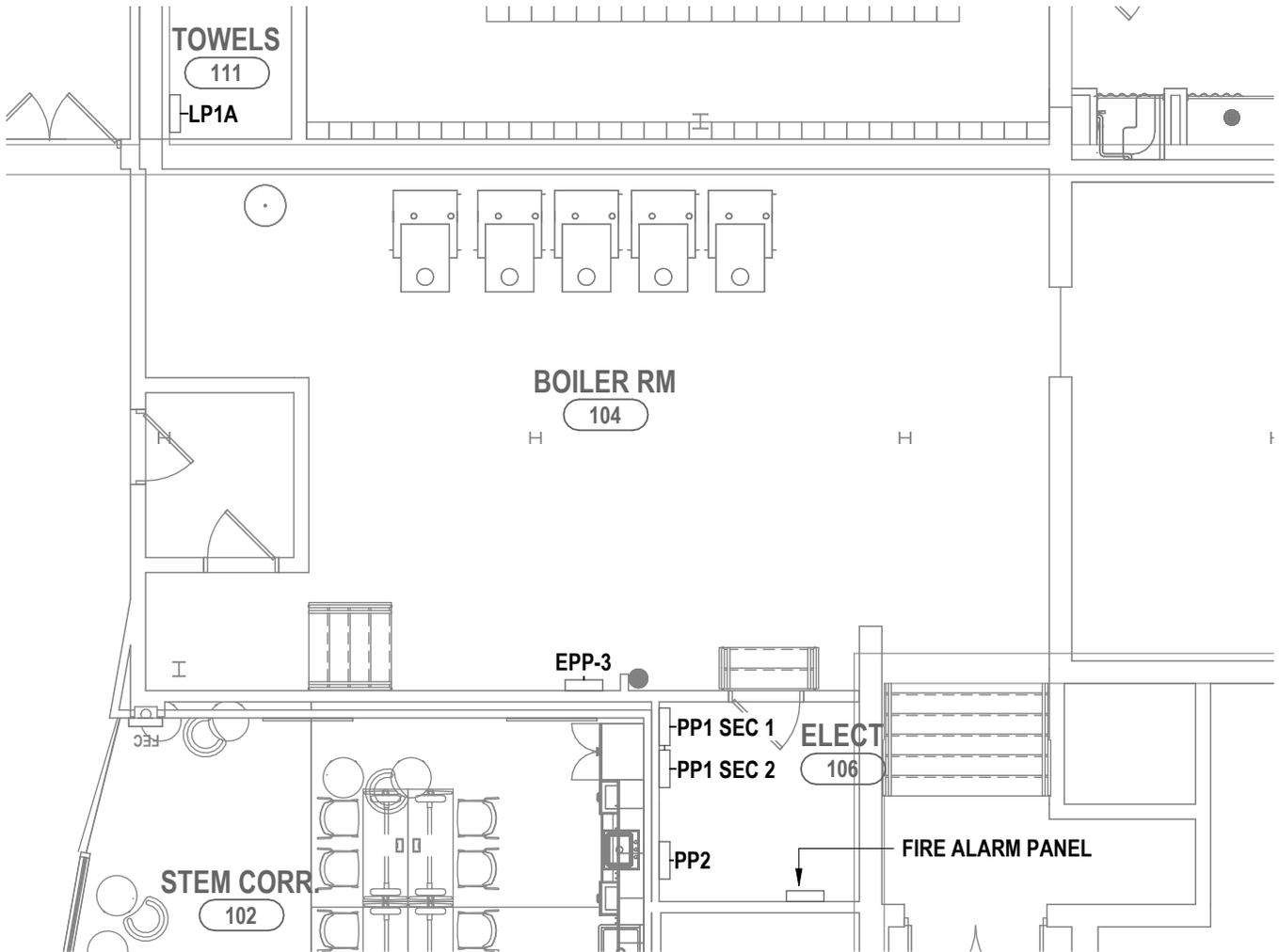


2 BOILER ROOM SANITARY PIPING PLAN
 1/8" = 1'-0"



1 BOILER ROOM DEMOLITION PLAN
 1/8" = 1'-0"

BOILER ROOM PLANS
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET PRATTSBURGH, NY 148473



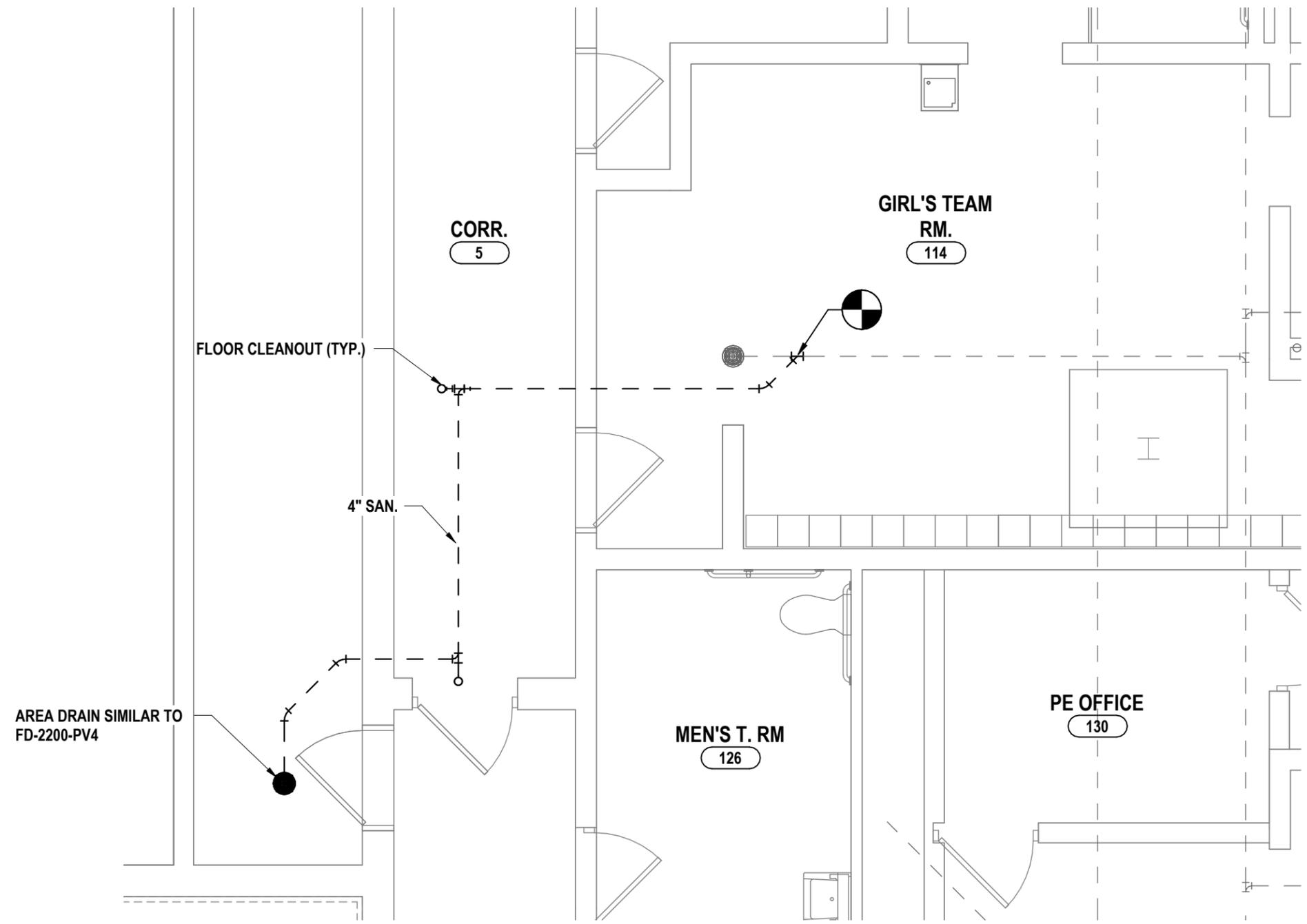
① **GROUND FLOOR AREA A - FA PANEL LOCATION**
 1/8" = 1'-0"

FA PANEL LOCATION	<p>HUNT ENGINEERS ARCHITECTS SURVEYORS HORSEHEADS, NY 607 - 358 - 1000 ROCHESTER, NY 585 - 327 - 7949 TOWANDA, PA 570 - 265 - 4868</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Copyright 2021</p>	AD2-E1
2025 CAPITAL IMPROVEMENT PROJECT PRATTSBURGH CENTRAL SCHOOL DISTRICT		DATE: 03/03/26
1 ACADEMY STREET PRATTSBURGH, NY 148473		PROJECT NO: 2716-043

DRAWN BY:	CJH
CHECKED BY:	JDG
DATE:	03/04/26

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1 GROUND FLOOR SANITARY PLAN - AREA A
 1/4" = 1'-0"

GROUND FLOOR SANITARY PLAN - AREA A
 2025 CAPITAL IMPROVEMENT PROJECT
 PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET PRATTSBURGH, NY 148473

AD2-P2

PROJECT NO: 2716-043

PLUMBING FIXTURE SCHEDULE

TYPE	MFG./MODEL	TRIM	REMARKS
WC-1	AMERICAN STANDARD 2257.101, 1.28 GPF 1-1/2 INCH TOP SPUD	FLUSH VALVE: MANUAL SLOAN ROYAL 111-1.28, 1.28 GPF	ELONGATED BOWL. PROVIDE ELONGATED SEAT SIMILAR TO BENEKE 527-SS, FLOOR MOUNTED CARRIER. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT. NOTE A.
UR-1	AMERICAN STANDARD 6590.001EC, 0.50 GPF 3/4 INCH TOP SPUD	FLUSH VALVE: MANUAL SLOAN ROYAL 186-0.5, 0.50 GPF	PROVIDE FLOOR MOUNTED CARRIER. SEE 'A' DRAWINGS FOR MOUNTING HEIGHT.
LAV-1	AMERICAN STANDARD 0355.012 (3 HOLES ON 2" CENTERS)	FAUCET: MANUAL CHICAGO 802-VE2805-317ABCP, 0.50 GPM, (4" O.C. HOLES MOUNT)	
SK-1	JUST SL-ADA-1921-A-GR (SINGLE HOLE)	FAUCET: MANUAL DELTA DST-100, 1.80 GPM, (8" O.C. HOLES) STRAINER: JUST J-35	PROVIDE 4" WRISTBLADE HANDLES, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS & ESCUTCHEON PLATES. LOCATE DRAIN MINIMUM ONE INCH TO REAR OF SINK CENTERLINE.
SK-2	ADVANCE TABCO T9-3-54 (2 HOLES ON 8" CENTERS)	FAUCET: MANUAL ADVANCE TABCO, 2.20 GPM, (8" O.C. HOLES) STRAINER: JUST J-35	PROVIDE 4" WRISTBLADE HANDLES, OFFSET GRID DRAIN, P-TRAP, LEAD FREE SUPPLIES, LEAD FREE STOPS & ESCUTCHEON PLATES.
FD-1	ZURN ZN-415-B-P	FLUSH WITH FLOOR	PROVIDE NICKEL BRONZE STRAINER. REFER TO PLAN FOR PIPE SIZE. PROVIDE 1/2 INCH TRAP PRIMER CONNECTION. NOTE D, E.
DP-1	ARMSTRONG ASTRO 30, BRONZE		PROVIDE LEAD FREE DESIGN, LINE VOLTAGE AQUASTAT. COORDINATE WIRING OF PUMP THROUGH LINE VOLTAGE AQUASTAT WITH ELECTRICAL CONTRACTOR. NOTE A.
WCO-1	ZURN Z1446		PROVIDE ACCESS COVER.
CO-1	ZURN Z1400	ADJUSTABLE TOP	PROVIDE POLISHED BRONZE TOP REFER TO PLAN FOR PIPE SIZE. NOTE D.
UV-1	ATLANTIC ULTRAVIOLET S37C	STAINLESS STEEL, 48 WATTS, 100-240V/60HZ	
WH-1	A.O. SMITH DEL-40	38 GALLONS, 208/1	
HYD-1	ZURN Z-1300	ANTI-SIPHON, NON-FREEZE, AUTOMATIC DRAINING	PROVIDE KEYS TO OWNER.
DCV-1	WATTS 007M1QT, 2"		

NOTES:

- A. REFER TO PLUMBING FIXTURE ELECTRICAL REQUIREMENTS SCHEDULE.
- B. PROVIDE LOW LEAD CONTENT THERMOSTATIC MIXING VALVE SIMILAR TO CHICAGO FAUCET MODEL 122-ABNF (SERVES MAXIMUM 8 FAUCETS).
- C. PROVIDE CONCEALED ARM FIXTURE SUPPORT FOR NEW LAVATORY WITH UPRIGHT WELDED FEET AND ADJUSTABLE HEADERS, INSTALLED WITHIN WALL / CHASE.
- D. VERIFY LOCATION OF FLOOR DRAIN / FLOOR SINK / FLOOR CLEANOUT APPLY CORRECT APPLICATION, RECESSED FOR TILE, RECESSED FOR TERRAZZO.
- E. PROVIDE TRAP PRIMER VALVE SIMILAR TO PRECISION PLUMBING PRODUCT MODEL P FOR FLOOR DRAIN AND FLOOR SINK AND CONNECT VALVE TO NEAREST ACCESSIBLE COLD WATER PIPING. VALVE MUST BE INSTALLED A MINIMUM OF 12 INCHES ABOVE FINISHED FLOOR. PROVIDE PIPING FROM VALVE TO FLOOR DRAIN / FLOOR SINK PER VALVE MANUFACTURERS INSTALLATION INSTRUCTIONS.
- F. PLUMBING CONTRACTOR TO EXCAVATE AND PREPARE AREA, MIX AND APPLY FORM RELEASE PRODUCT, ASSEMBLE RAILS, LEGS, FORMS, CLAMPS AND PLACE COMPLETED TRENCH COMPONENTS AT REQUIRED LOCATIONS. PLUMBING CONTRACTOR TO PROVIDE CONCRETE ANCHORING SLAB WALL TO WALL AND END TO END IN BOTTOM OF EXCAVATION COVERING TRENCH DRAIN U-LEGS WITH MINIMUM OF 2 INCHES OF CONCRETE. COORDINATE FINISHED FLOOR CONCRETE POUR. PLUMBING CONTRACTOR TO REMOVE ALL FORM MATERIAL FROM TRENCH DRAINS AFTER FINISHED FLOOR CONCRETE HAS DRIED AND INSTALL ALL GRATES. ALL TRENCH DRAIN WORK SHALL BE INSTALLED PER TRENCH DRAIN MANUFACTURERS INSTALLATION INSTRUCTIONS.

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REVISED SCHEDULE

2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH NY

Main Building - SED# 57-23-01-04-0-001-034, Toilet Room Facility - SED# 57-23-01-04-7-012-001, Dugout with storage - SED# 57-23-01-04-2-005-001, Auxiliary Building - SED# 57-23-01-04-0-002-012, Agricultural Building - SED# 57-23-01-04-0-008-012

PRATTSBURGH CENTRAL SCHOOL DISTRICT

2025 CAPITAL IMPROVMENT PROJECT

1 ACADEMY STREET, PA PRATTSBURGH NY, 14873

CONSTRUCTION DOCUMENTS

LIST OF DRAWINGS:

MAIN BUILDING

GENERAL DRAWINGS

CODE COMPLIANCE DRAWINGS

SITE DRAWINGS

STRUCTURAL DRAWINGS

ARCHITECTURAL DRAWINGS

MECHANICAL DRAWINGS

ELECTRICAL DRAWINGS

PLUMBING DRAWINGS

TOILET ROOF FACILITY - CODE COMPLIANCE

TOILET ROOF FACILITY - STRUCTURAL DRAWINGS

TOILET ROOF FACILITY - ARCHITECTURAL DRAWINGS

TOILET ROOF FACILITY - MECHANICAL DRAWINGS

TOILET ROOF FACILITY - PLUMBING DRAWINGS

TOILET ROOF FACILITY - ELECTRICAL DRAWINGS

TOILET ROOF FACILITY - TECHNOLOGY DRAWINGS

AGRICULTURE BUILDING - CODE COMPLIANCE

AGRICULTURE BUILDING - ARCHITECTURAL DRAWINGS

AGRICULTURE BUILDING - MECHANICAL DRAWINGS

AGRICULTURE BUILDING - PLUMBING DRAWINGS

AGRICULTURE BUILDING - ELECTRICAL DRAWINGS

AGRICULTURE BUILDING - TECHNOLOGY DRAWINGS

AUXILIARY BUILDING - ARCHITECTURAL DRAWINGS

AUXILIARY BUILDING - MECHANICAL DRAWINGS

AUXILIARY BUILDING - PLUMBING DRAWINGS

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AUXILIARY BUILDING - TECHNOLOGY DRAWINGS



AG BUILDING



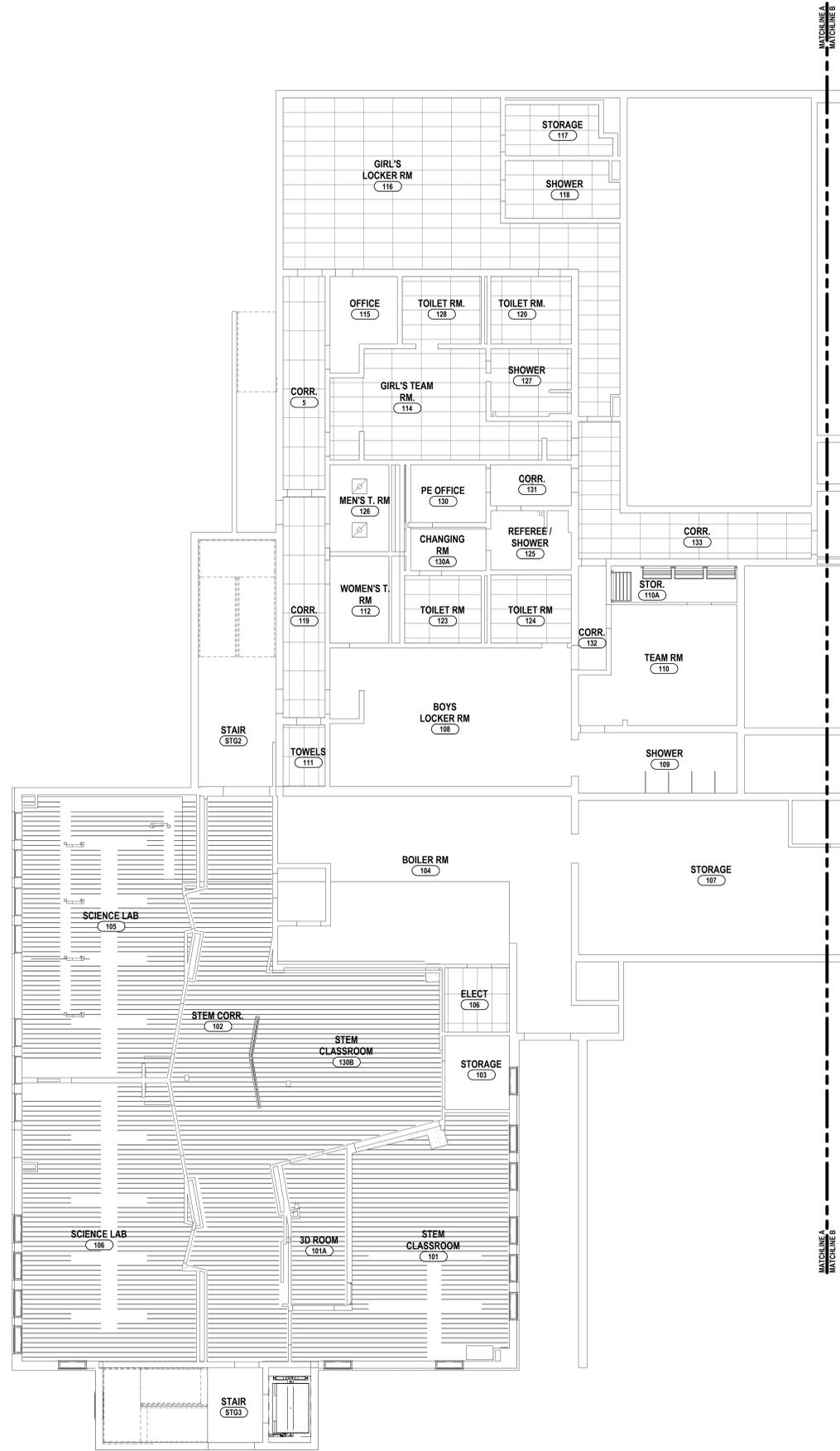
MAIN BUILDING

AUX BUILDING
12/18/2025

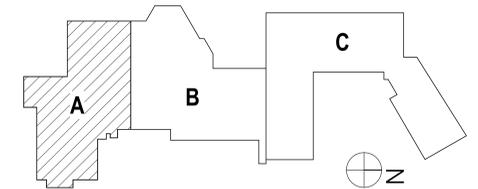
ADDENDUM #2: 3/4/2026
ISSUED FOR BID: 2/9/2026
HUNT PROJECT NO.: 2716.043

MAIN BUILDING - SED# 57-23-01-04-0-001-034
TOILET ROOM FACILITY - SED# 57-23-01-04-7-012-001
DUGOUT WITH STORAGE - SED# 57-23-01-04-2-005-001
AUXILIARY BUILDING - SED# 57-23-01-04-0-002-012
AGRICULTURAL BUILDING - SED# 57-23-01-04-0-008-012

THIS IS TO CERTIFY THAT TO THE BEST OF OUR KNOWLEDGE, INFORMATION AND BELIEF - THE DESIGN OF THIS PROJECT CONFORMS TO ALL APPLICABLE PROVISIONS AND BUILDING CODE, THE NEW YORK STATE UNIFORM FIRE PREVENTION AND BUILDING CODE, THE NEW YORK STATE ENERGY CONSERVATION CODE, AND THE BUILDING STANDARDS OF THE NEW YORK STATE EDUCATION DEPARTMENT.



1 GROUND FLOOR REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"



GENERAL CEILING NOTES:

- A ALL EXPOSED GYPSUM WALL BOARD SHALL BE PAINTED, UNLESS NOTED OTHERWISE.
- B REFER TO FINISH KEY AND SCHEDULE FOR INDIVIDUAL CEILING TYPES AND SPECIFIED LOCATIONS.
- C ALL NEW CEILING SYSTEMS TO BE INSTALLED DIRECTLY TO STRUCTURE. SUPPORT WIRES FOR SUSPENDED CEILING ASSEMBLY SHALL NOT BE TIED TO ANY MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION PIPING OR EQUIPMENT.
- D CENTER ALL DEVICES WITHIN CEILING GRID. COORDINATE WITH THE WORK OF ALL PRIME CONTRACTORS.
- E ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURES AND MECHANICAL EQUIPMENT. COORDINATE WITH ALL OTHER PRIME CONTRACTORS.
- F CEILING GRID TO BE CENTERED WITHIN ROOMS, UNLESS NOTED OTHERWISE.
- G INSTALL TRIMLESS ACCESS PANELS FURNISHED BY OTHER PRIME CONTRACTORS FOR GYPSUM WALL BOARD CEILING AREAS. COORDINATE SIZE, LOCATION, AND QUANTITY OF ACCESS PANELS WITH OTHER PRIME CONTRACTORS FOR ACCESS REQUIRED ABOVE HARD CEILING.
- H PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), SPRINKLER LINES, MECHANICAL DUCTWORK AND PIPING UNLESS NOTED OTHERWISE. REFER TO FINISH KEY FOR COLORS.

RCP DRAWING NOTES:

- 1 EXISTING EXTERIOR CANOPY STRUCTURAL STEEL TO REMAIN. CLEAN, PREP AND PAINT ALL EXPOSED STRUCTURAL STEEL ELEMENTS INCLUDING ROOF STRUCTURE AND COLUMNS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 2 ALIGN SOFFIT WITH EXTENT OF ACCENT TILE TYP.
- 3 2'-0" X 2'-0" ACT TO MATCH ADJACENT CEILING HEIGHT. GRID LINES ARE TO ALIGN WITH EXISTING GRID LINES. CONNECT NEW CEILING SYSTEM BACK INTO EXISTING CEILING SYSTEM.
- 4 MULTIPLE CEILING SYSTEMS. ACB-1 HUNG FROM ACT-2 ABOVE. ACB-1 ADHERED W/ EMBEDDED NUT TO BOLT-SLOT GRID CLIP SYSTEM. REFER TO FINISH KEY FOR ADDITIONAL INFORMATION.
- 5 NEW CANOPY SYSTEMS. PREP AND PAINT ALL EXPOSED STRUCTURAL STEEL ELEMENTS INCLUDING ROOF STRUCTURE AND COLUMNS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 6 GYPSUM SOFFITS TO BE 2" LOWER THAN ADJACENT ACT CEILING HEIGHT. REFER TO FINISH KEY FOR PAINT COLOR.
- 7 SLOPED ACT CEILING SYSTEM.
- 8 PATCH REPAIR GWB SOFFIT AS REQUIRED FOR LIGHT REPLACEMENT TYP.
- 9 PARTIALLY REMOVE SUSPENDED CEILING SYSTEMS AS REQUIRED FOR HVAC & PIPING SCOPE. REFER TO "H" SERIES DWGS FOR EXTENT. RETAIN FOR REINSTALLATION. TEMPORARILY HANG FIXTURES AND EQUIPMENT AS REQUIRED.
- 10 INSTALL RULON WOOD LINEAR SYSTEM TO CEILING AND SOFFIT. REFER TO FINISH KEY FOR WOOD FINISH.
- 11 GWB SOFFIT. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 12 EXISTING ACT TO REMAIN.
- 13 ADHERE ACP-1 TO EXISTING GYP. CEILING. PROVIDE CUT OUTS FOR RECESSED LIGHTS AS INDICATED ON RCP.
- 14 ADHERE ACP-2 ACOUSTIC PANEL TO THE INTERIOR VERTICAL SIDE OF EXISTING SOFFIT.
- 15 EXISTING CANOPY METAL PANEL SYSTEM TO REMAIN PROTECT DURING PAINTING OF ADJACENT ELEMENTS.

Main Building - SEEM 57-23-01-04-0-001-001, Toilet Room Facility - SEEM 57-23-01-04-0-002-001, Auxiliary Building - SEEM 57-23-01-04-0-003-012, Agricultural Building - SEEM 57-23-01-04-0-004-012

GROUND FLOOR RCP PLAN - AREA A
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH, NY 14873
PROJECT NO: 2716-043

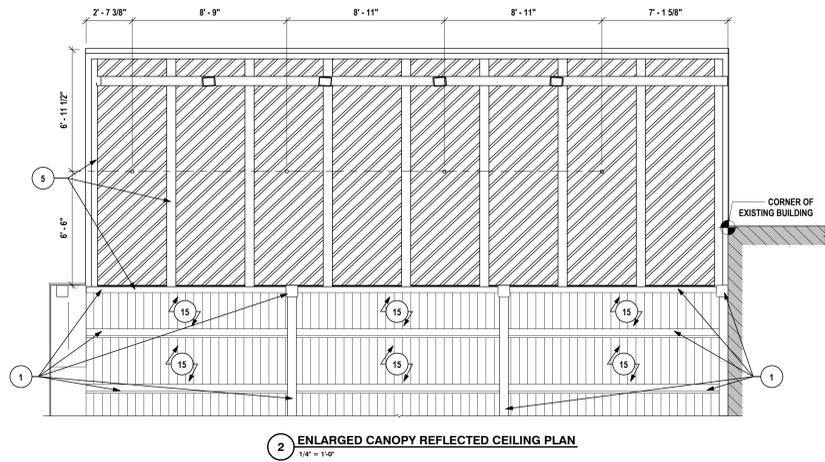
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-265-1000 PRATTSBURGH, NY 607-267-7668 TOWNHALL, PA 670-265-4668
 BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8881 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC220313464-1

#	DATE:	DESCRIPTION OF REVISION:	ISSUED FOR BID
1	10/08/2025		

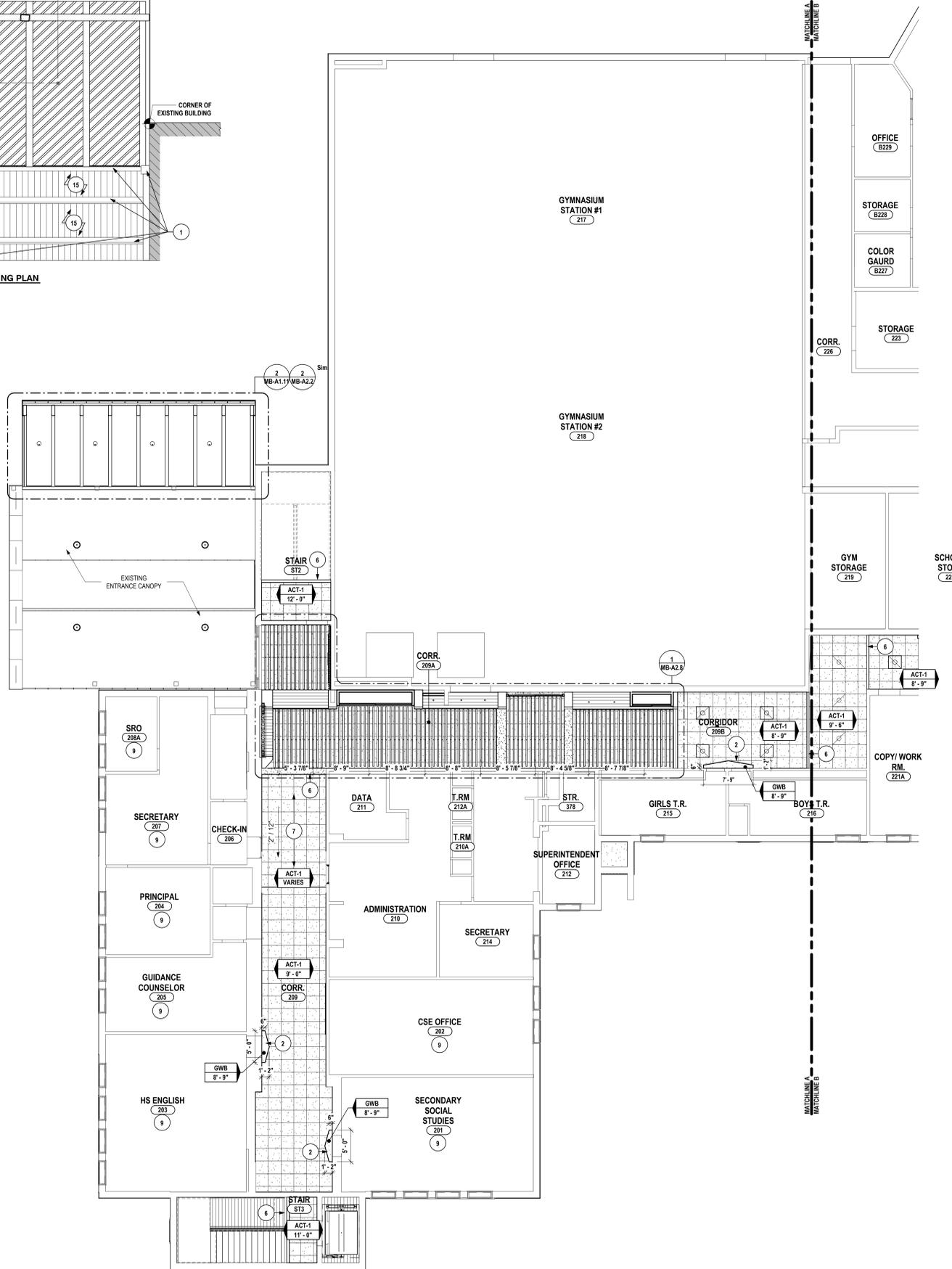
DRAWN BY:	TSH
CHECKED BY:	JDZ
DATE:	12/18/2025
PHASE:	CD

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MB-A2.1



2 ENLARGED CANOPY REFLECTED CEILING PLAN
1/4" = 1'-0"



1 FIRST FLOOR RCP - AREA A
1/8" = 1'-0"

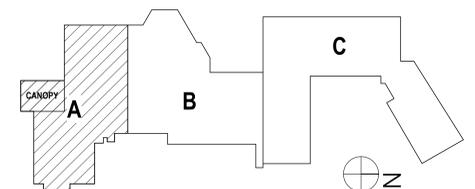
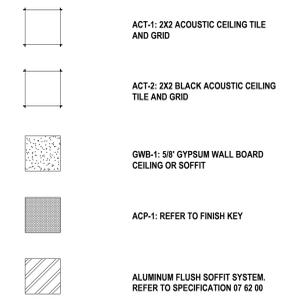
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- B REFER TO FINISH KEY AND SCHEDULE FOR INDIVIDUAL CEILING TYPES AND SPECIFIED LOCATIONS.
- C ALL NEW CEILING SYSTEMS TO BE INSTALLED DIRECTLY TO STRUCTURE. SUPPORT WIRES FOR SUSPENDED CEILING ASSEMBLY SHALL NOT BE TIED TO ANY MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION PIPING OR EQUIPMENT.
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- 14 ADHERE ACP-2 ACOUSTIC PANEL TO THE INTERIOR VERTICAL SIDE OF EXISTING SOFFIT.
- 15 EXISTING CANOPY METAL PANEL SYSTEM TO REMAIN PROTECT DURING PAINTING OF ADJACENT ELEMENTS.

CEILING LEGEND:



Main Building - SEEM 57-23-01-04-0-001-034, Toilet Room Facility - SEEM 57-23-01-04-0-002-001, Auxiliary Building - SEEM 57-23-01-04-0-002-012, Agricultural Building - SEEM 57-23-01-04-0-002-012

FIRST FLOOR RCP PLAN - AREA A

2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT

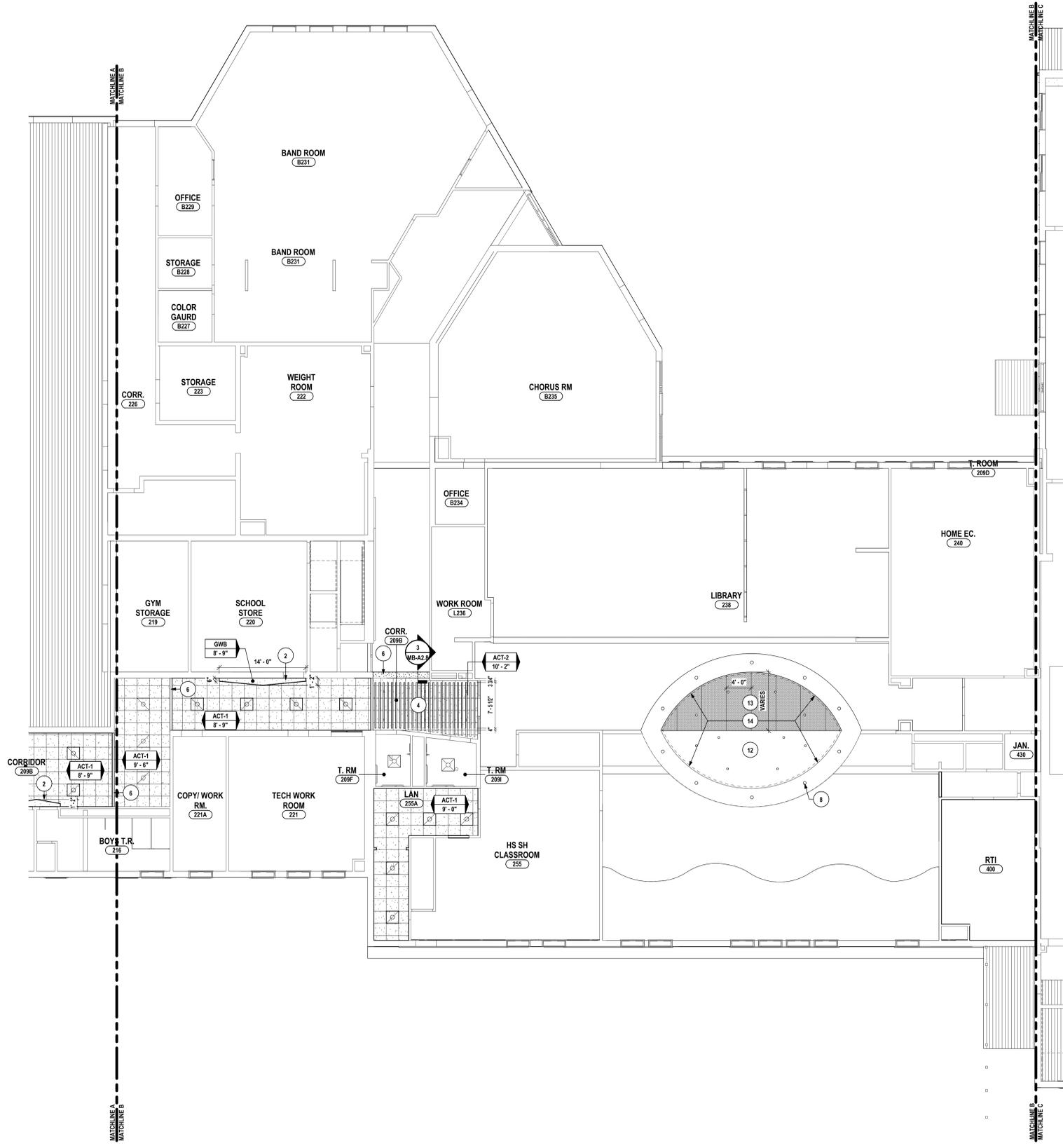
1 ACADEMY STREET, PRATTSBURGH, NY 14873
PROJECT NO: 2716-043

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-565-1000 PRATTSBURGH, NY 607-337-7500 TOWANDA, PA 570-265-4600
BINGHAMTON, NY 607-738-8881 ALBANY, NY 607-738-8881 WWW.HUNTEAS.COM
NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC220313464-1

#	DATE:	DESCRIPTION OF REVISION:	ISSUED FOR:
1	10/08/2025		BID

DRAWN BY:	TSH
CHECKED BY:	JDJ
DATE:	12/18/2025
PHASE:	CD

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1 FIRST FLOOR RCP - AREA B
1/8" = 1'-0"

GENERAL CEILING NOTES:

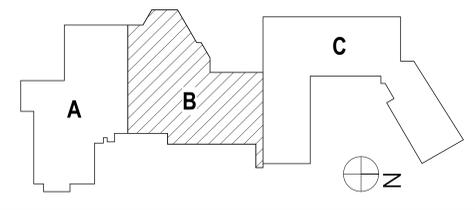
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- H PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), SPRINKLER LINES, MECHANICAL DUCTWORK AND PIPING UNLESS NOTED OTHERWISE. REFER TO FINISH KEY FOR COLORS.

RCP DRAWING NOTES:

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- 14 ADHERE ACT-2 ACOUSTIC PANEL TO THE INTERIOR VERTICAL SIDE OF EXISTING SOFFIT.
- 15 EXISTING CANOPY METAL PANEL SYSTEM TO REMAIN PROTECT DURING PAINTING OF ADJACENT ELEMENTS

CEILING LEGEND:

-  ACT-1: 2X2 ACOUSTIC CEILING TILE AND GRID
-  ACT-2: 2X2 BLACK ACOUSTIC CEILING TILE AND GRID
- GWB: 5/8" GYPSUM WALL BOARD CEILING OR SOFFIT
-  ACP-1: REFER TO FINISH KEY
-  ALUMINUM FLUSH SOFFIT SYSTEM. REFER TO SPECIFICATION 07 62 00



Main Building - SEEM 57-23-01-04-000-001, Toilet Room Facility - SEEM 57-23-01-04-002-001, Digital with Storage - SEEM 57-23-01-04-003-001, Auxiliary Building - SEEM 57-23-01-04-004-001, Agricultural Building - SEEM 57-23-01-04-005-012

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
HORSEHEADS, NY 607-265-1000 ROSHARON, NY 562-337-7650 TOYAHVALLEY, PA 670-265-4668
BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8881 WWW.HUNTEAS.COM
NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC22020131464-1

FIRST FLOOR RCP PLAN - AREA B
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
1 ACADEMY STREET, PRATTSBURGH, NY 14873

MB-A2.3
PROJECT NO: 2716-043

DRAWN BY: TSK
CHECKED BY: JDI
DATE: 12/18/2025
PHASE: CP

#	DATE	DESCRIPTION OF REVISION: ISSUED FOR BID
1	12/08/2025	

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS DRAWN, SEALS, SIGNED, ENDORSED, CONTRACTED, OR OTHERWISE PREPARED BY A PROFESSIONAL ENGINEER.



1 FIRST FLOOR RCP - AREA C
1/8" = 1'-0"

GENERAL CEILING NOTES:

- A ALL EXPOSED GYPSUM WALL BOARD SHALL BE PAINTED, UNLESS NOTED OTHERWISE.
- B REFER TO FINISH KEY AND SCHEDULE FOR INDIVIDUAL CEILING TYPES AND SPECIFIED LOCATIONS.
- C ALL NEW CEILING SYSTEMS TO BE INSTALLED DIRECTLY TO STRUCTURE. SUPPORT WIRES FOR SUSPENDED CEILING ASSEMBLY SHALL NOT BE TIED TO ANY MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION PIPING OR EQUIPMENT.
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RCP DRAWING NOTES:

- 1 EXISTING EXTERIOR CANOPY STRUCTURAL STEEL TO REMAIN. CLEAN, PREP AND PAINT ALL EXPOSED STRUCTURAL STEEL ELEMENTS INCLUDING ROOF STRUCTURE AND COLUMNS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
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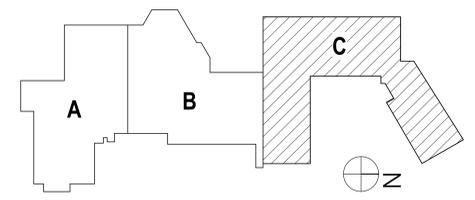
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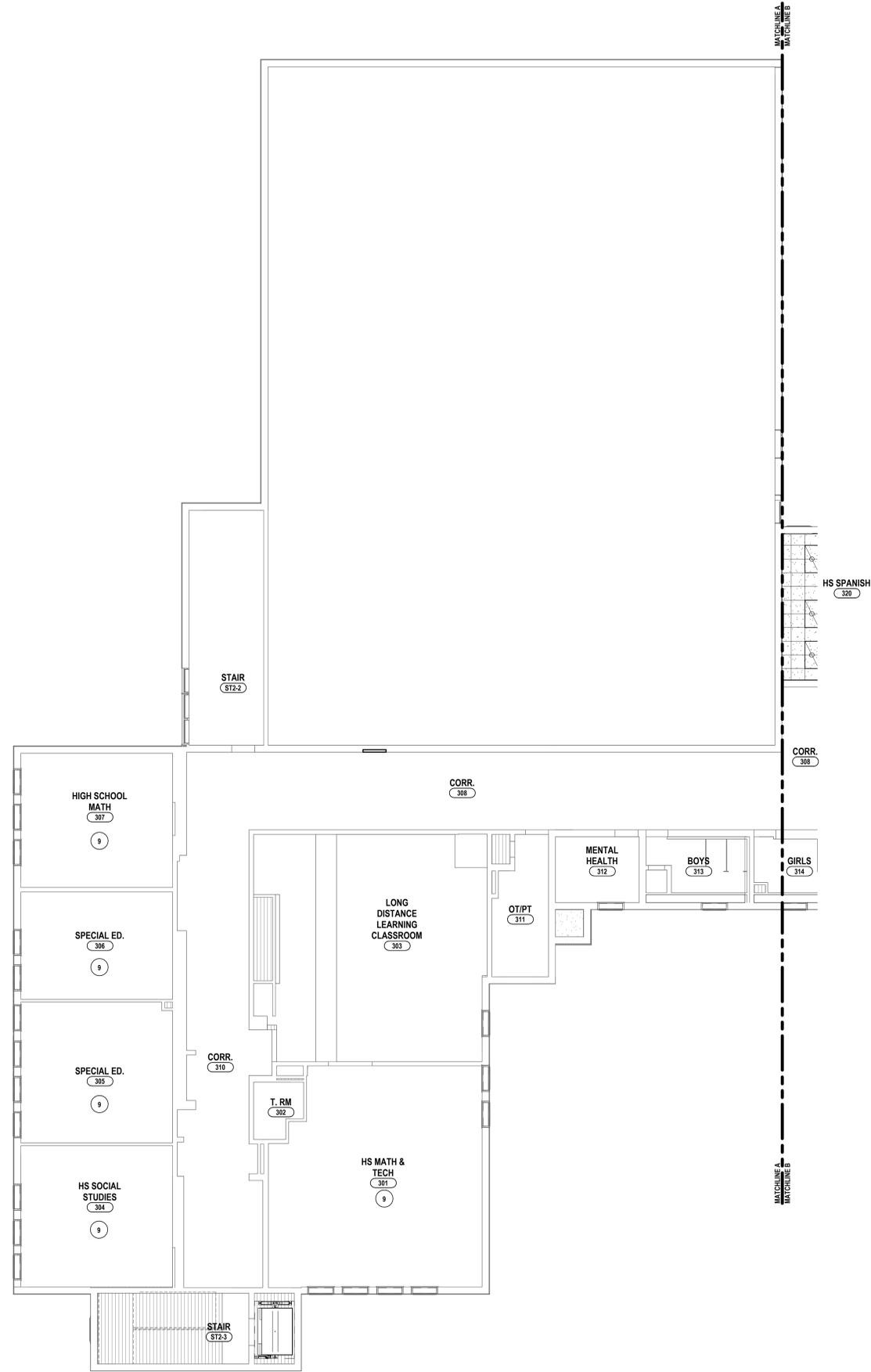
DRAWN BY:	TSH
CHECKED BY:	JDZ
DATE:	12/18/2025
PHASE:	CP
DESCRIPTION OF REVISION:	
#	DATE
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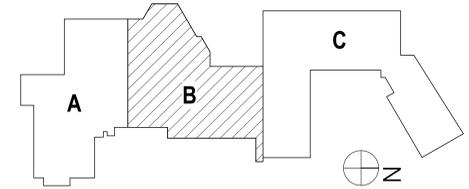
FIRST FLOOR RCP PLAN - AREA C
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH, NY 14873
MB-A2.4
 PROJECT NO: 2716-043



Main Building - SEEM 57-23-01-04-0-001-001, Toilet Room Facility - SEEM 57-23-01-04-0-002-001, Auxiliary Building - SEEM 57-23-01-04-0-003-012, Agricultural Building - SEEM 57-23-01-04-0-004-012



1 SECOND FLOOR REFLECTED CEILING PLAN - AREA A
1/8" = 1'-0"



GENERAL CEILING NOTES:

- A ALL EXPOSED GYPSUM WALL BOARD SHALL BE PAINTED, UNLESS NOTED OTHERWISE.
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- 15 EXISTING CANOPY METAL PANEL SYSTEM TO REMAIN PROTECT DURING PAINTING OF ADJACENT ELEMENTS

CEILING LEGEND:

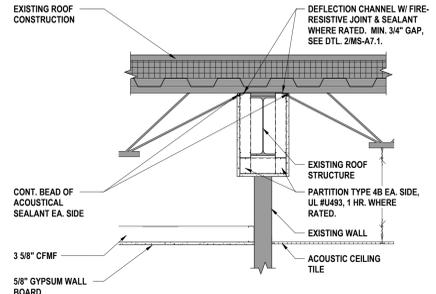
-  ACT-1: 2X2 ACOUSTIC CEILING TILE AND GRID
-  ACT-2: 2X2 BLACK ACOUSTIC CEILING TILE AND GRID
-
-  ACP-1: REFER TO FINISH KEY
-  ALUMINUM FLUSH SOFFIT SYSTEM
REFER TO SPECIFICATION 07 62 00

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CHECKED BY: JDC		
DATE: 12/18/2025	JDC	
PHASE: CP	CP	

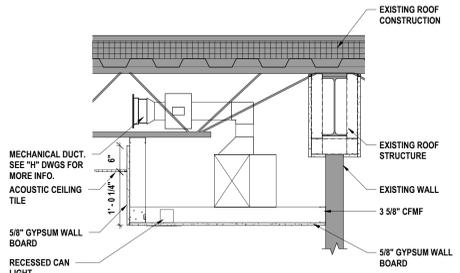
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 807-265-1000
 ROSHARON, NY 807-267-7600
 BINGHAMTON, NY 807-798-8881
 ALBANY, NY 807-798-8881
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC22020131464-1

SECOND FLOOR RCP PLAN - AREA A
 2025 CAPITAL IMPROVEMENT PROJECT
 PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH, NY 14873

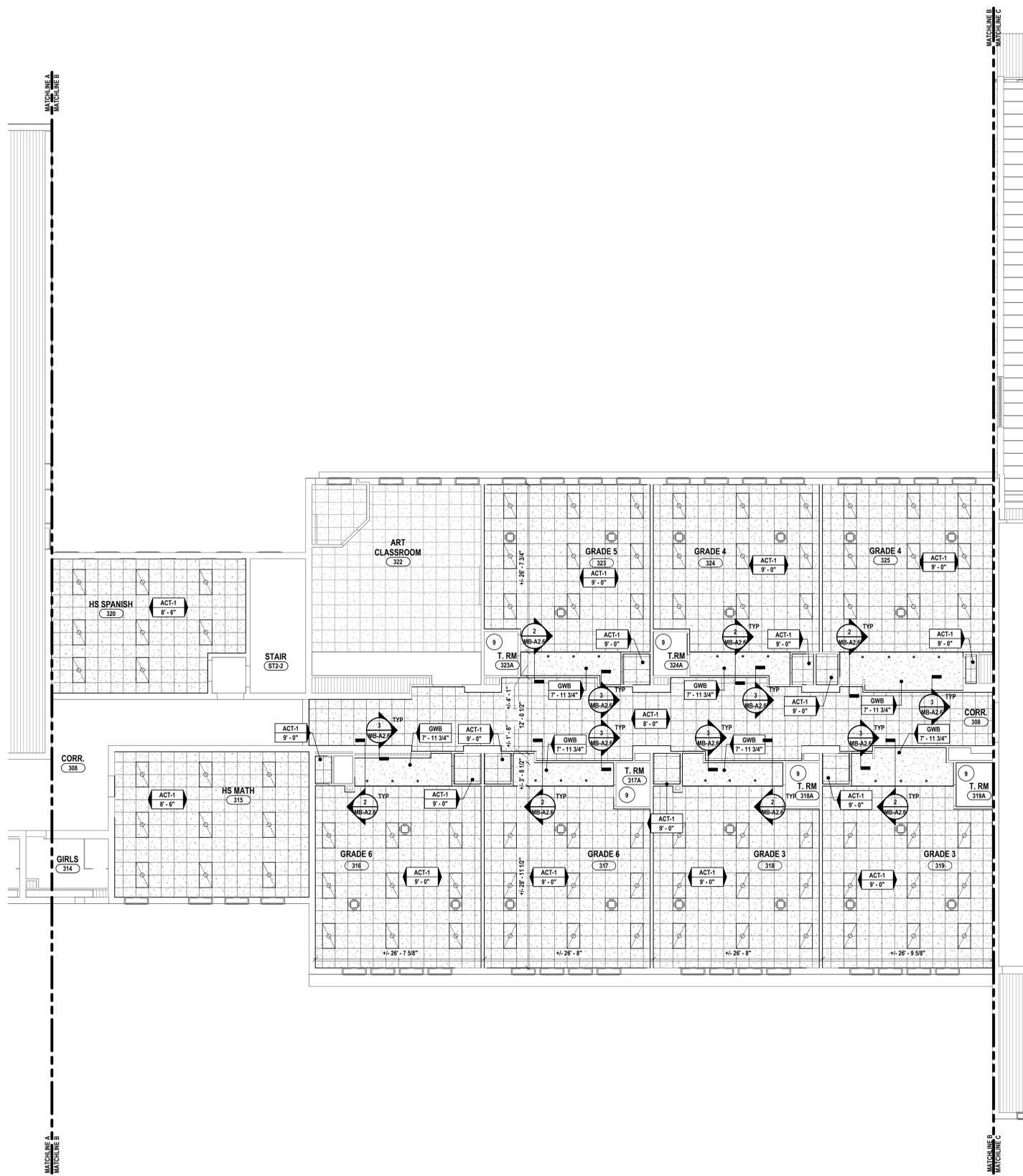
Map Building - SEM 57-23-01-04-0-001-034, Toilet Room Facility - SEM 57-23-01-04-0-002-001, Auxiliary Building - SEM 57-23-01-04-0-002-012, Agricultural Building - SEM 57-23-01-04-0-002-012



3 FIRE RATING @ EXISTING BEAM
3/4" = 1'-0"



2 SOFFIT DETAIL @ SECOND FLOOR CLASSROOMS
3/4" = 1'-0"



1 SECOND FLOOR REFLECTED CEILING PLAN - AREA B
1/8" = 1'-0"

GENERAL CEILING NOTES:

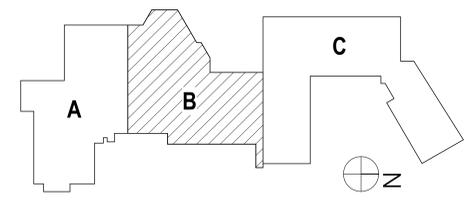
- A ALL EXPOSED GYPSUM WALL BOARD SHALL BE PAINTED, UNLESS NOTED OTHERWISE.
- B REFER TO FINISH KEY AND SCHEDULE FOR INDIVIDUAL CEILING TYPES AND SPECIFIED LOCATIONS.
- C ALL NEW CEILING SYSTEMS TO BE INSTALLED DIRECTLY TO STRUCTURE. SUPPORT WIRES FOR SUSPENDED CEILING ASSEMBLY SHALL NOT BE TIED TO ANY MECHANICAL, ELECTRICAL, PLUMBING OR FIRE PROTECTION PIPING OR EQUIPMENT.
- D CENTER ALL DEVICES WITHIN CEILING GRID. COORDINATE WITH THE WORK OF ALL PRIME CONTRACTORS.
- E ARCHITECTURAL DRAWINGS TAKE PRECEDENCE OVER ENGINEERING DRAWINGS FOR LOCATION OF LIGHT FIXTURES AND MECHANICAL EQUIPMENT. COORDINATE WITH ALL OTHER PRIME CONTRACTORS.
- F CEILING GRID TO BE CENTERED WITHIN ROOMS, UNLESS NOTED OTHERWISE.
- G INSTALL TRIMLESS ACCESS PANELS FURNISHED BY OTHER PRIME CONTRACTORS FOR GYPSUM WALL BOARD CEILING AREAS. COORDINATE SIZE, LOCATION, AND QUANTITY OF ACCESS PANELS WITH OTHER PRIME CONTRACTORS FOR ACCESS REQUIRED ABOVE HARD CEILING.
- H PAINT ALL EXPOSED CONDUITS, JUNCTION BOXES, ELECTRICAL ITEMS (NOT FACTORY FINISHED), SPRINKLER LINES, MECHANICAL DUCTWORK AND PIPING UNLESS NOTED OTHERWISE. REFER TO FINISH KEY FOR COLORS.

RCP DRAWING NOTES:

- 1 EXISTING EXTERIOR CANOPY STRUCTURAL STEEL TO REMAIN. CLEAN, PREP AND PAINT ALL EXPOSED STRUCTURAL STEEL ELEMENTS INCLUDING ROOF STRUCTURE AND COLUMNS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 2 ALIGN SOFFIT WITH EXTENT OF ACCENT TILE TYP.
- 3 2'-0" X 2'-0" ACT TO MATCH ADJACENT CEILING HEIGHT. GRID LINES ARE TO ALIGN WITH EXISTING GRID LINES. CONNECT NEW CEILING SYSTEM BACK INTO EXISTING CEILING SYSTEM.
- 4 MULTIPLE CEILING SYSTEMS. ACB-1 HUNG FROM ACT-2 ABOVE. ACB-1 ADHERED W/ EMBEDDED NUT TO BOLT-SLOT GRID CLIP SYSTEM. REFER TO FINISH KEY FOR ADDITIONAL INFORMATION.
- 5 NEW CANOPY SYSTEMS. PREP AND PAINT ALL EXPOSED STRUCTURAL STEEL ELEMENTS INCLUDING ROOF STRUCTURE AND COLUMNS. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 6 GYPSUM SOFFITS TO BE 2" LOWER THAN ADJACENT ACT CEILING HEIGHT. REFER TO FINISH KEY FOR PAINT COLOR.
- 7 SLOPED ACT CEILING SYSTEM.
- 8 PATCH REPAIR GWB SOFFIT AS REQUIRED FOR LIGHT REPLACEMENT TYP.
- 9 PARTIALLY REMOVE SUSPENDED CEILING SYSTEMS AS REQUIRED FOR HVAC & PIPING SCOPE. REFER TO 'H' SERIES DWGS FOR EXTENT. RETAIN FOR REINSTALLATION. TEMPORARILY HANG FIXTURES AND EQUIPMENT AS REQUIRED.
- 10 INSTALL RUL ON WOOD LINEAR SYSTEM TO CEILING AND SOFFIT. REFER TO FINISH KEY FOR WOOD FINISH.
- 11 GWB SOFFIT. REFER TO FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
- 12 EXISTING ACT TO REMAIN.
- 13 ADHERE ACP-1 TO EXISTING GYP. CEILING. PROVIDE CUT OUTS FOR RECESSED LIGHTS AS INDICATED ON RCP.
- 14 ADHERE ACP-2 ACUSTIC PANEL TO THE INTERIOR VERTICAL SIDE OF EXISTING SOFFIT.
- 15 EXISTING CANOPY METAL PANEL SYSTEM TO REMAIN PROTECT DURING PAINTING OF ADJACENT ELEMENTS

CEILING LEGEND:

- ACT-1: 2X2 ACOUSTIC CEILING TILE AND GRID
- ACT-2: 2X2 BLACK ACOUSTIC CEILING TILE AND GRID
- GWB-1: 5/8" GYPSUM WALL BOARD CEILING OR SOFFIT
- ACP-1: REFER TO FINISH KEY
- ALUMINUM FLUSH SOFFIT SYSTEM. REFER TO SPECIFICATION 07 62 00



Main Building - SE08 57-23-01-04-0-001-031, Toilet Room Facility - SE08 57-23-01-04-0-001-032, Dugout with Storage - SE08 57-23-01-04-0-009-001, Auxiliary Building - SE08 57-23-01-04-0-008-012, Agricultural Building - SE08 57-23-01-04-0-008-012

SECOND FLOOR RCP PLAN - AREA B
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH, NY 14873

MB-A2.6
 PROJECT NO: 2716-043

HUNT ENGINEERS ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-268-1000 PRINCIPLES, NY 562-337-7668 TOYAHVALD, PA 470-265-4668
 BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8881
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 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC220313464-1

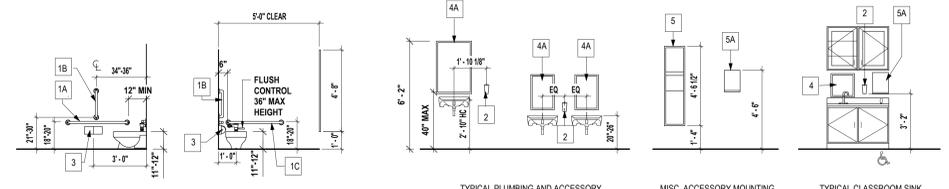
DESIGNATION OF REVISION:

#	DATE	DESCRIPTION OF REVISION	ISSUED FOR
1	10/08/2025		

DRAWN BY: TSK
 CHECKED BY: JDC
 DATE: 12/18/2025
 PHASE: CP

THIS IS A MODIFICATION OF THE RCP FOR AN INDIVIDUAL ROOM OR UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS DRAWING NUMBER: MB-A2.6 PROJECT NUMBER: 2716-043

TOILET ROOM ACCESSORY SCHEDULE					
SYMBOL	DESCRIPTION	MANUFACT.	MODEL	SIZE	REMARKS
1A	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	42"	
1B	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	18"	
1C	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	24"	
1D	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	7.34"	
2	SOAP DISPENSER	BY OWNER	--	--	
3	TOILET TISSUE DISPENSER	BY OWNER	--	--	
4	MIRROR	10 28 00	#600 SERIES	16"X16"	
4A	MIRROR	10 28 00	#600 SERIES	16"X24"	



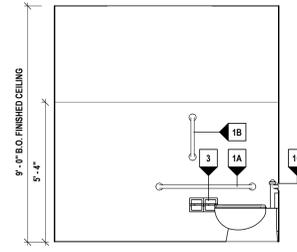
- NOTES:
- REFER TO FLOOR PLANS FOR QUANTITIES.
 - CUT ALL REQUIRED OPENINGS IN MASONRY TO ACCOMMODATE RECESSED ACCESSORIES.
 - REFER TO SECTION 1070 OF PROJECT MANUAL FOR TOILET COMPARTMENTS AND URINAL SCREENS.
 - ALL DIMENSIONS FROM FACE OF FINISHED FLOOR OR WALL.

GENERAL CONSTRUCTION NOTES:

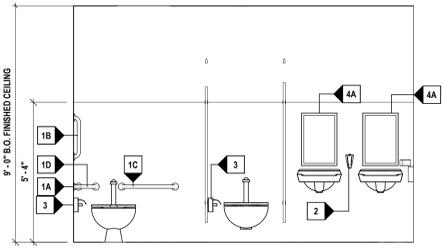
- THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK REQUIRED TO IMPLEMENT THE WORK OF THE CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING ANY WORK AND NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF ALL OTHER CONTRACTED WORK AND WORK PERFORMED BY THE OWNER.
- PROVIDE SOLID WOOD BLOCKING OR METAL STRAPPING AS REQUIRED IN METAL STUD WALLS AT ALL WALL MOUNTED EQUIPMENT AND ACCESSORIES INCLUDING FURNITURE FIXTURES AND EQUIPMENT. COORDINATE WITH THE WORK OF ALL OTHER CONTRACTED WORK AND WORK PERFORMED BY THE OWNER.
- ITEMS SHOWN ARE INTENDED TO GIVE APPROXIMATE QUANTITY, LOCATION & TYPE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITY & EXISTING FIELD CONDITIONS.
- ALL DIMENSIONS ARE TAKEN FROM FACE OF WALL TO FACE OF WALL, UNLESS NOTED OTHERWISE.
- THERE SHALL BE A MINIMUM OF 1'-6" CLEAR FLOOR SPACE ON THE PUSH SIDE OF ALL NEW DOORS; THERE SHALL BE A MINIMUM OF 1'-0" CLEAR FLOOR SPACE ON THE PULL SIDE OF ALL NEW DOORS.
- THE WHEELCHAIR SYMBOL INDICATES HANDICAP ACCESSIBLE MOUNTED FIXTURE ELEVATION AND SHALL CONFORM WITH CABOANSI A117.1 AND ADAAG.
- EXTEND ALL NEW PARTITIONS TO DECK ABOVE, UNLESS NOTED OTHERWISE.
- ALL FINISHED ASSEMBLIES ARE REQUIRED TO BE PROTECTED DURING THE COURSE OF CONSTRUCTION. ALL FINISHED ASSEMBLIES DAMAGED DURING THE COURSE OF CONSTRUCTION ARE REQUIRED TO BE REPLACED OR REPAIRED AT THE ARCHITECT'S DIRECTION.

PLAN DRAWING NOTES:

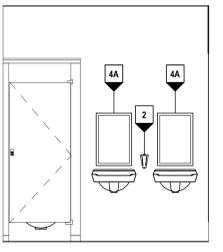
- CUSTOM BUILT IN DISPLAY CASE FULL HEIGHT WITH ADJUSTABLE SHELVING.
- PROVIDE ELEVATOR MODERNIZATION AND ALL ASSOCIATED EQUIPMENT. REFER TO SPECIFICATION SECTION 14 28 19.
- REPLACE DOOR LITE GLAZING. REUSE EXISTING LITE KIT.
- NOT USED.
- NEW CONCRETE SLAB W/ NEW STORM WATER DRAIN. MATCH EXISTING FLOOR EPOXY FLAKE FINISH. SEE "P" DWGS FOR ADDITIONAL INFORMATION.
- PROVIDE WALL MOUNTED BACKSTOPS AND ALL ASSOCIATED ACCESSORIES. REFER TO SPECIFICATION 11 66 23 FOR ADDITIONAL INFORMATION.
- CLEAN, PREP AND PAINT EXISTING STRUCTURAL TUBE CANOPY COMPONENTS INCLUDING COLUMNS AND ROOF STRUCTURE.
- REINSTALL EXISTING RETAINED HANDRAIL ASSEMBLIES TO ORIGINAL LOCATION. PROVIDE IN WALL APPROPRIATE BLOCKING SUFFICIENT FOR HANDRAIL ATTACHMENT. PROVIDE NEW STAINLESS STEEL FASTENERS.
- INFILL EXISTING MASONRY OPENING AS SHOWN ON PLAN TO MATCH EXISTING WALL CONSTRUCTION.
- INFILL TRENCHING TO MATCH EXISTING FLOOR SLAB. SEE "S" DWGS FOR ADDITIONAL INFORMATION.
- PROVIDE AND INSTALL CASWORK, COUNTERTOPS, AND SHELVING AS SHOWN. REFER TO INTERIOR ELEVATIONS FOR ADDITIONAL INFO.
- TOUCH UP SAND, STAIN/PAIN, INSTALL NEW CARPET TILE TO SURFACE OF EXISTING WOODEN PLAY GYM.
- PROVIDE AND INSTALL NEW MARKERBOARDS. REFER TO MAKERBOARD SCHEDULE FOR ADDITIONAL INFORMATION.
- WALL MOUNTED SAND / WATER TABLE. SEE "P" DWGS FOR ADDITIONAL INFORMATION.
- INFILL OPENING FROM REMOVED WINDOW. MATCH EXISTING WALL THICKNESS. PATCH AND PAINT WALL. PROVIDE APPROPRIATE SIZED CMF, UNFACED BATT INSULATION & 3/8" TYPE X GWS BOTH SIDES.
- INFILL OPENING FROM REMOVED MECHANICAL LOUVER. SEE "H" DWGS FOR ADDITIONAL INFORMATION. MATCH FOUNDATION WALL THICKNESS. INFILL W/ CONCRETE.



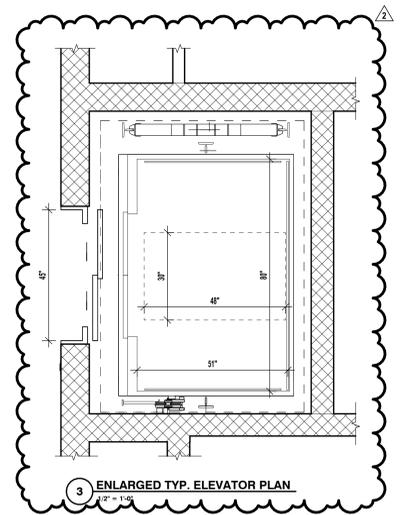
6 ELEVATION @ PRE-K RESTROOM "B"
3/8" = 1'-0"



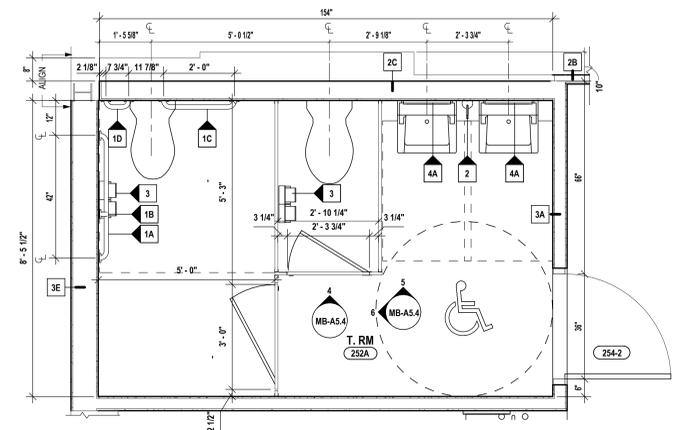
5 ELEVATION @ PRE-K RESTROOM "C"
3/8" = 1'-0"



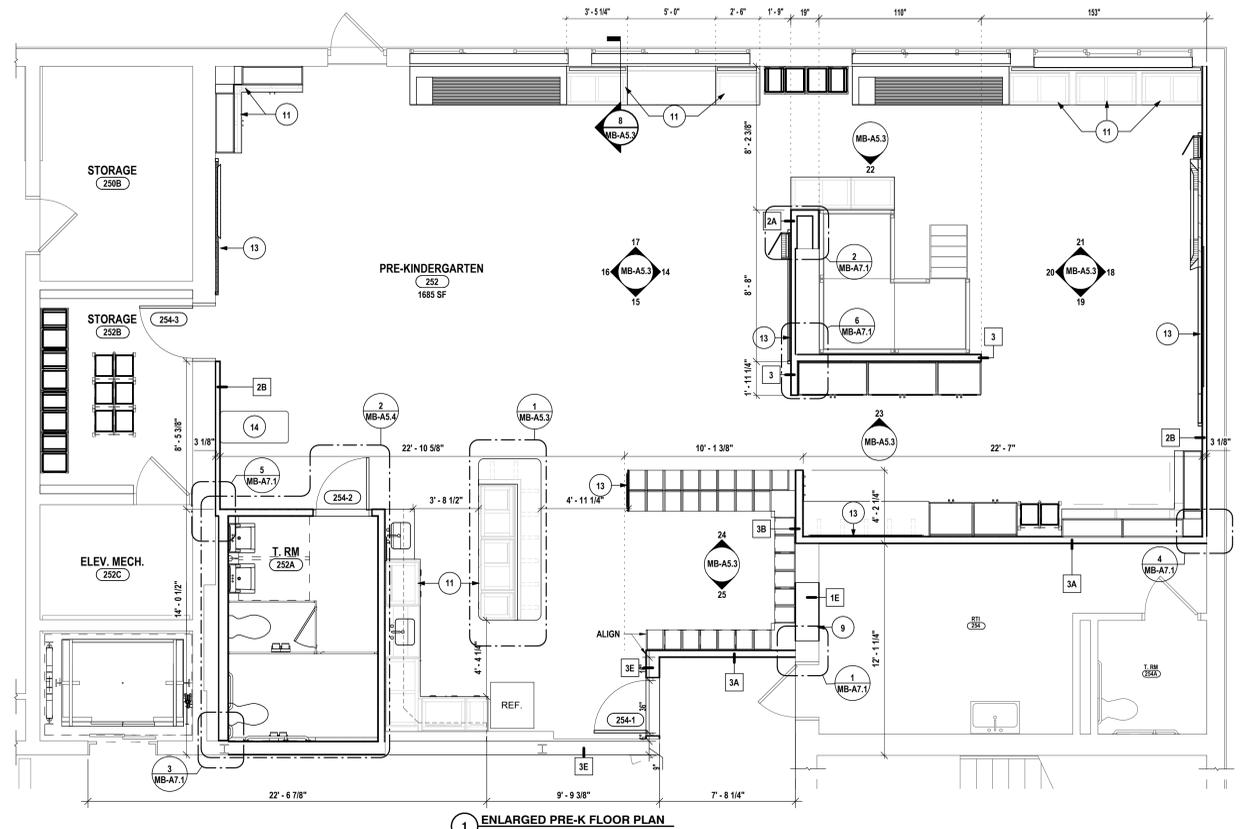
4 ELEVATION @ PRE-K BATHROOM STALL
3/8" = 1'-0"



3 ENLARGED TYP. ELEVATOR PLAN
1/2" = 1'-0"



2 ENLARGED PRE-K RESTROOM PLAN
1/2" = 1'-0"



1 ENLARGED PRE-K FLOOR PLAN
1/4" = 1'-0"

Main Building - SE08 5720-01-04-00-00-001, Toilet Room Facility - SE08 5720-01-04-00-00-001, Auxiliary Building - SE08 5720-01-04-00-00-012, Agricultural Building - SE08 5720-01-04-00-00-012

ENLARGED PLANS, ELEVATIONS & SCHEDULE
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH, NY 14873

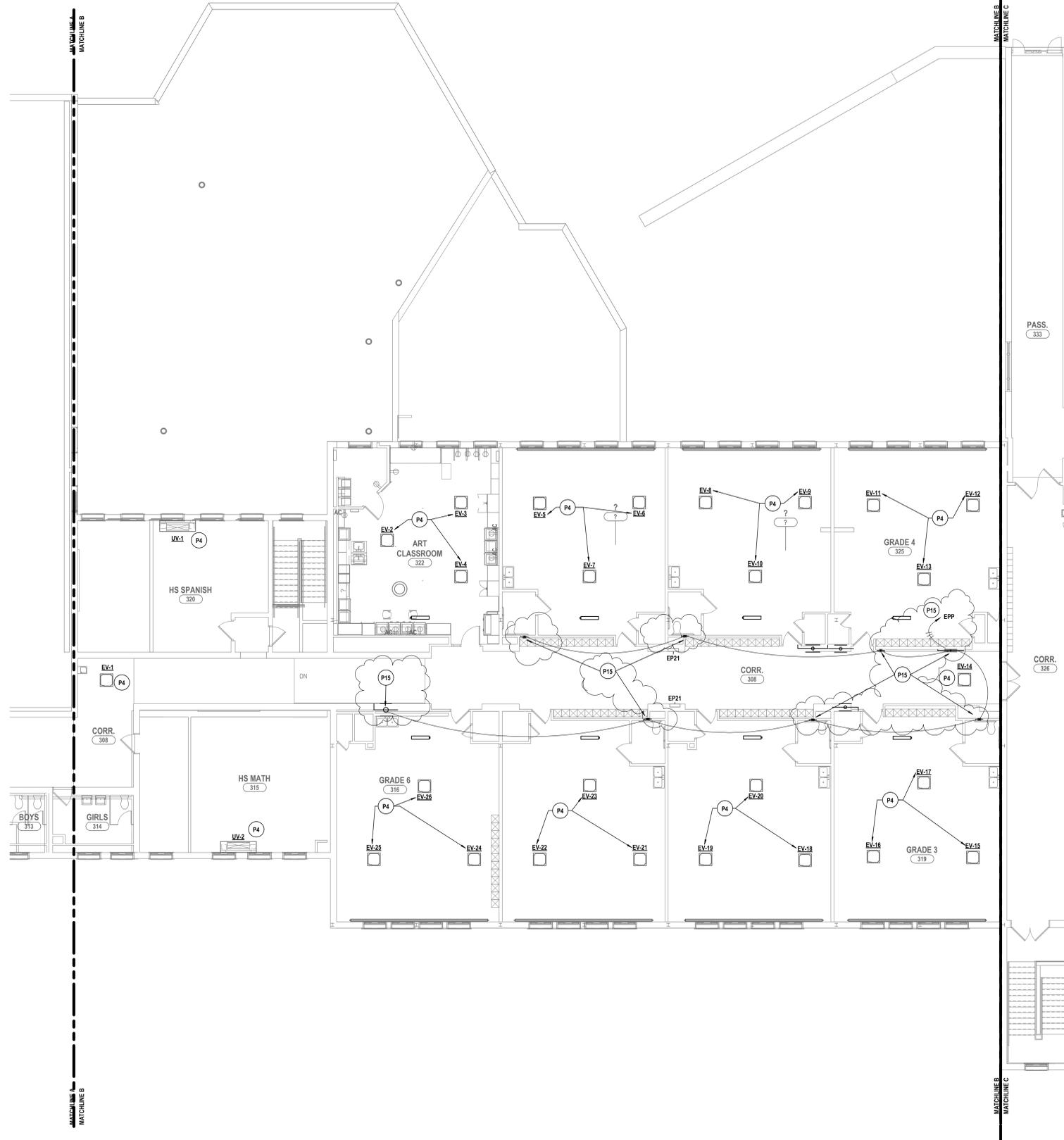
MB-A5.4
PROJECT NO: 2716-043

HUNT ENGINEERS ARCHITECTS | SURVEYORS
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 BANGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8881
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC220031464-1

DESCRIPTION OF REVISION:
 1 ISSUED FOR BID
 2 1/4/2025

DATE: 12/18/2025
PHASE: CD

DRAWN BY: TSK
CHECKED BY: JDZ
DATE: 12/18/2025
PHASE: CD



1 SECOND FLOOR POWER PLAN AREA B
1/8" = 1'-0"

GENERAL NOTES - ELECTRICAL
REFER TO MB-E1
CONSTRUCTION NOTES - POWER

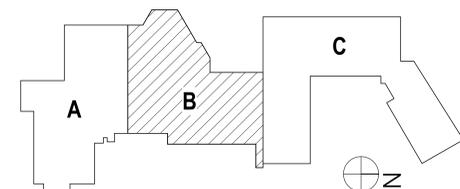
- P1 PROVIDE DEDICATED POWER CONNECTIONS TO BASKETBALL BACKSTOP ELECTRIC WINCH AND HEIGHT ADJUSTER. PROVIDE DEDICATED FEEDS TO BOTH USING WITH (4)-#8, IN 3/4" CIRCUIT TO PANEL AGYM. PROVIDE 20A/1P BREAKERS AS NEEDED. COORDINATE ALL FINAL LOCATIONS AND MOUNTING HEIGHTS OF ASSOCIATED EQUIPMENT WITH OWNER AND OTHER TRADES PRIOR TO ROUGH-IN. COORDINATE ALL WORK WITH RELATED TRADES AND DRAWINGS / SPECIFICATIONS. ALSO REFER TO SPECIFICATIONS SECTION 11 66 23 FOR MORE INFORMATION AND ADDITIONAL REQUIREMENTS FOR GYMNASIUM EQUIPMENT.
- P2 PROVIDE RECEPTACLE FOR TV SCREEN AT 48" HEIGHT ". CIRCUIT TO PANEL LP2A USING (2)-12, (1)-12G, IN 3/4". PROVIDE 20A/1P BREAKER IN PANEL.
- P3 TYPICAL. PROVIDE NEW RECEPTACLE CIRCUITS AND DEVICES AS SHOWN. CONNECT TO PANEL INDICATED USING 3-#12, 24" C. PROVIDE 20A CIRCUIT BREAKER. TYPICAL FOR ALL NEW POWER, LIGHTING, AND MISCELLANEOUS CIRCUITS.
- P4 PROVIDE POWER TO HVAC UNIT. REFER TO ES-E3.1 FOR ADDITIONAL INFORMATION.
- P5 RECONNECT POWER SERVING MECHANICAL EQUIPMENT. MODIFY / EXTEND CIRCUITRY AS NEEDED.
- P6 REINSTALL EXISTING WALL MOUNTED ELECTRICAL DEVICES. COORDINATE WORK WITH GC.
- P7 RECONNECT POWER TO THE EXISTING PANEL LP2A AFTER IT HAS BEEN ROTATED. THE PANEL SHOULD BE LOCATED INSIDE ROOM STR 378. EXTEND CIRCUITRY AS NEEDED.
- P8 NOT USED.
- P9 PROVIDE NEW PANELBOARD PP-HVAC-2 IN THIS APPROXIMATE LOCATION. PANELBOARD TO BE 208Y/120V 3PH 600A. CONNECT TO EXISTING PP-HVAC PANEL BY SUBFEED LUGS. SEE MB-E3.1 AND MB-E3.2 FOR MORE INFORMATION
- P10 NOT USED.
- P11 PROVIDE POWER TO PREVIOUSLY DISCONNECTED RECEPTACLE CIRCUIT(S) IN THIS SPACE. UTILIZE EXISTING CIRCUITRY TO CONNECT CIRCUITS TO EPP-2. MODIFY / EXTEND EXISTING CIRCUITRY AS NEEDED. MATCHING EXISTING CHARACTERISTICS. CONDUIT TO PANEL TO BE 3/4". RE-WORK EXISTING RACEWAY TO INSTALL PREVIOUSLY SECURED QUAD RECEPTACLES. PROVIDE A NEW FLOOR PENETRATION IN A LOCATION CLOSE TO EXISTING, BUT NOT IMPEDING ON OTHER TRADES FOR EXISTING RECEPTACLES. RECONNECT USING PREVIOUSLY SECURED CIRCUITRY.
- P12 BACKSTOP ELECTRIC WINCH AND HEIGHT ADJUSTER TO BE CONTROLLED WIRELESSLY VIA SPORTSONIC II CONTROL. EACH BACKSTOP AND HEIGHT ADJUSTER TO BE PROVIDED WITH THEIR OWN RECEIVER. INTEGRATE RECEIVER CIRCUITRY INTO THE POWER CIRCUIT OF ASSOCIATED EQUIPMENT PER MANUFACTURER SPECIFICATIONS. COORDINATE FINAL DESIRED BASKETBALL BACKSTOP CONTROL FUNCTIONALITY WITH OWNER & ARCHITECT PRIOR TO ORDERING AND INSTALLING ANY SYSTEM COMPONENTS OR DETERMINING FINAL CIRCUIT CHARACTERISTICS AND WIRING DETAILS. COORDINATE ALL WORK WITH RELATED TRADES AND DRAWINGS / SPECIFICATIONS. ALSO REFER TO SPECIFICATIONS SECTION 11 66 23 FOR MORE INFORMATION AND ADDITIONAL REQUIREMENTS FOR GYMNASIUM EQUIPMENT.
- P13 RECONNECT ELECTRICAL CIRCUIT TO WATER FOUNTAIN. WATER FOUNTAIN TO BE HARD-WIRED WITH CONCEALED CONNECTION.
- P14 EXISTING 30A OUTLETS THAT ARE FEEDING THE IT RACK MUST BE RELOCATED TO THIS WALL.
- P15 PROVIDE POWER TO FIRE/SMOKE DAMPER ACTUATORS (FSDs) FROM A DEDICATED 20A, 120V CIRCUIT BREAKER IN THE PANEL INDICATED. DO NOT CONNECT MORE THAN 20 FSDs PER CIRCUIT. REFER TO MB-H SERIES DWGS FOR FURTHER INFORMATION.

DRAWN BY:	JXT
CHECKED BY:	TAWO
DATE:	12/19/2025
PHASE:	CD
DESCRIPTION OF REVISION:	
#	DATE
1	02/06/2026
ISSUED FOR BID	
IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS DRAWING, CALCULATIONS, SPECIFICATIONS, PROJECTS OR INSTRUMENTS DATE: 02/06/2026	

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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 BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-758-1801
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0018250 PA CERTIFICATE NO. TSC22020131464-1

SECOND FLOOR POWER PLAN - AREA B
 2025 CAPITAL IMPROVEMENT PROJECT
 PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET PRATTSBURGH, NY 148473

MB-E1.7
PROJECT NO: 2716-043



Plan Building: SEDM 57-23-01-04-4-002-012; Auxiliary Building: SEDM 57-23-01-04-2-002-001; Main Room Facility: SEDM 57-23-01-04-4-008-012; File Room Facility: SEDM 57-23-01-04-4-012-001

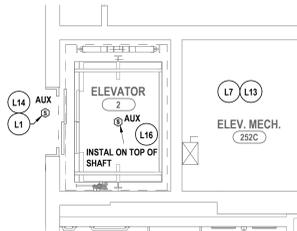
GENERAL NOTES - ELECTRICAL

REFER TO MB-E01.

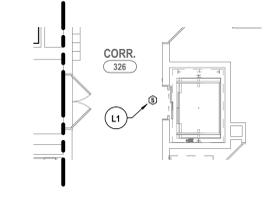
CONSTRUCTION NOTES - LIGHTING

- L1 PROVIDE SMOKE DETECTOR ON EACH ELEVATOR OPEN FLOOR. TIE AUX. CONTACTS TO ELEVATOR CONTROLLER AND ASSOCIATED SMOKE CURTAIN.
- L2 REINSTALL EXISTING WALL MOUNTED ELECTRICAL DEVICES. COORDINATE WORK WITH GC.
- L3 RE-INSTALL AND CONNECT ALL CEILING MOUNTED ELECTRICAL DEVICES INCLUDED VACANCY SENSORS, EXIT SIGNS, AND FIRE ALARM IN THIS SPACE TO THEIR EXISTING CIRCUITRY ONCE WORK BY OTHER TRADES HAVE BEEN COMPLETED. CONNECT FIXTURES TO EXG. ROOM LIGHTING HOMERUN. RE-CONNECT LIGHT FIXTURES TO EXISTING SWITCHING. CLEAN FIXTURES PRIOR TO RE-INSTALLATION. COORDINATE WITH OTHER TRADES PRIOR TO STARTING WORK.
- L4 PROVIDE LIGHTING FIXTURES IN QUANTITIES AS SHOWN IN THIS SPACE. PROVIDE ALSO 0-10V DIMMING CONTROLS AND OCCUPANCY SENSORS EVERY 50 FT.
- L5 PROVIDE LIGHTING FOR TROPHY CASE AS SHOWN ON PLAN. COORDINATE WITH A-SERIES DRAWINGS FOR MORE INFORMATION.
- L6 NEW LED LIGHTING (KIRLIN LSV-12487) AT CANOPY SEE E3.2 FOR LIGHTING FIXTURE SCHEDULE INFORMATION. CONTRACTOR TO PROVIDE ALL NECESSARY FIRE ALARM CONNECTIONS REQUIRED FOR ELEVATOR EQUIPMENT. COORDINATE SAID REQUIREMENTS WITH ELEVATOR MODERNIZATION COMPANY PRIOR TO ORDERING MATERIALS.
- L7 PROVIDE LIGHTING FIXTURES S8 AND S9 IN QUANTITIES AS SHOWN ON LIGHTING PLAN. PROVIDE 1-PIN DAYLIGHT PHOTOCELL FOR CONTROL OF EXTERIOR MOUNTED LIGHT FIXTURES. EXTERIOR PHOTOCELL TO BE SUITABLE FOR OUTDOOR ENVIRONMENTS AND TO BE MOUNTED TO EXTERIOR CANOPY. COORDINATE EXACT PHOTOCELL LOCATION WITH MANUFACTURER'S RECOMMENDATIONS AND FIELD CONDITIONS. PHOTOCELL OPERATION TO TURN LIGHTS ON IN NIGHT/TIMELOW LIGHT CONDITION AND TURN LIGHTS OFF IN DAYTIME/HIGH LIGHT CONDITION. PROVIDE ALSO QTY (3X) EXTERIOR RATED OCCUPANCY SENSOR DEVICES AS SHOWN ON LIGHTING PLAN TO CONTROL EXTERIOR MOUNTED LIGHT FIXTURES. OCCUPANCY SENSORS TO AUTOMATICALLY SHUT OFF EXTERIOR LIGHT FIXTURES AFTER NO MORE THAN 15 MINUTES OF SENSED VACANCY.
- L8 PROVIDE NEW DIMMING LIGHTING CONTROL.
- L9 COMMON CORRIDOR TO 30FC. REVIEW FINAL LIGHTING LEVELS WITH OWNER / ARCHITECT.
- L10 RE-INSTALL PREVIOUSLY SECURED FAAPS IN THIS LOCATION ABOVE BANK OF SWITCHES. RE-USE PREVIOUSLY SECURED ASSOCIATED CABLING AND CIRCUITRY. MODIFY / EXTEND AS NEEDED.
- L11 RECONNECT LIGHT FIXTURES TO EXISTING BRANCH CIRCUITRY. RECONNECT TO EXISTING SWITCHING. CONTRACTOR TO CONFIRM EXISTING SWITCHING IS COMPATIBLE WITH NEW LIGHTING FIXTURES. MODIFY / EXTEND CIRCUITRY AS NEEDED.
- L12 PROVIDE FUSED 20A SAFETY SWITCH FOR CAB LIGHTING. INTEGRATE INTO CAB LIGHTING CIRCUIT.
- L13 PROVIDE ELEVATOR SMOKE CURTAINS AT EACH LEVEL WHERE THE HOISTWAY OPENS TO THE CORRIDOR.
- L14 PROVIDE A DEDICATED 100V, 20A CIRCUIT TO EACH UNIT PER MANUFACTURER REQUIREMENTS. UNLESS NOTED OTHERWISE, USE (2)-12, (1)-12G, IN 3/4" C. CONNECT TO THE NEAREST PANEL SERVING SAFETY LOADS.
- L15 PROVIDE ADDITIONAL EXIT SIGN DUE TO OBSTRUCTED VISIBILITY OF PRIMARY EXIT.
- L16 PROVIDE A DEDICATED CIRCUIT FOR ELEVATOR PIT LIGHTING. FEED THE PIT LIGHTING FROM THE EXISTING PANEL, SPACE SERVING THE ELEVATOR PIT. EXTEND AND INTEGRATE WITH EXISTING PIT LIGHTING CIRCUITRY AS REQUIRED.
- L17 PROVIDE ADDITIONAL VACANCY SENSOR IN THIS ROOM.
- L18 ALL SWITCHES MUST BE KEY SWITCHES, GRAY COLOR, WITH STAINLESS STEEL COVER PLATES.
- L19 IN ALL TOILET ROOMS THAT DO NOT HAVE AN EXISTING EMERGENCY LIGHT, A NEW EMERGENCY LIGHT SHALL BE INSTALLED. WHERE AN EXISTING EMERGENCY LIGHT IS PRESENT, IT SHALL BE REINSTALLED AFTER CEILING WORK IS COMPLETED.

DRAWN BY:	JXT
CHECKED BY:	TAWW
DATE:	12/18/2025
PHASE:	CD
DESCRIPTION OF REVISION:	
#	DATE
1	10/08/2026
ISSUED FOR BID	

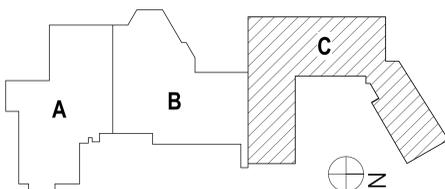


2 ENLARGED ELEVATOR 2 LIGHTING & FA PLAN
1/4" = 1'-0"



3 SECOND FLOOR LIGHTING & FA PLAN AREA C
1/8" = 1'-0"

1 FIRST FLOOR LIGHTING & FA PLAN AREA C
1/8" = 1'-0"

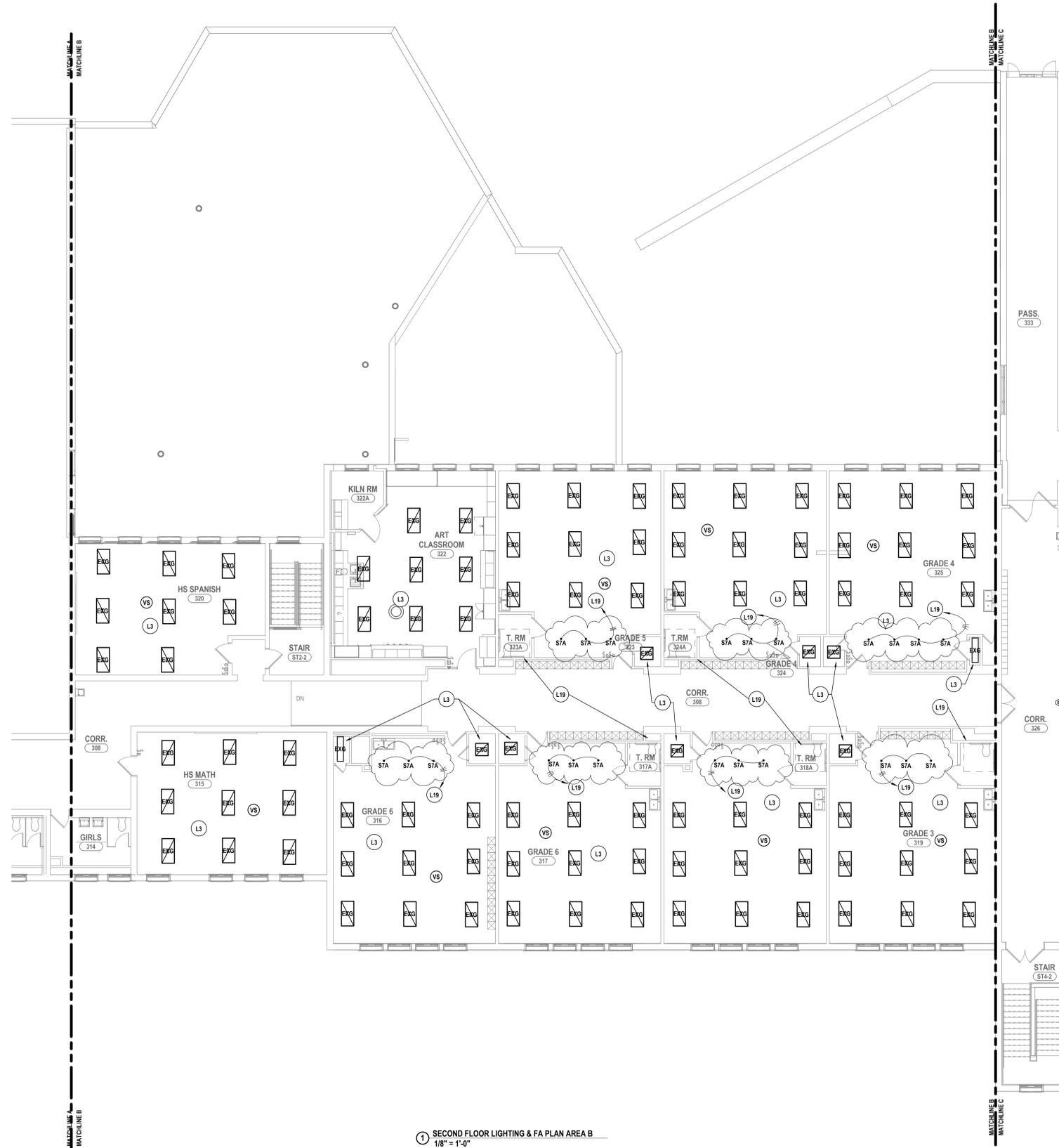


HUNT ENGINEERS ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-563-1055 PROQUESTES, NY 562-537-7568 TOYANADA, PA 670-265-6668
 BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8881
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC220313464-1

FIRST AND SECOND FLOOR LIGHTING & FA PLAN - AREA C
 2025 CAPITAL IMPROVEMENT PROJECT
 PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET PRATTSBURGH, NY 148473

MB-E2.4
 PROJECT NO: 2716-043

Main Building: SED# 57-23-01-04-2-001-501; Auxiliary Building: SED# 57-23-01-04-2-002-012; Agricultural Building: SED# 57-23-01-04-2-003-012; Teller Room Facility: SED# 57-23-01-04-2-004-012



① SECOND FLOOR LIGHTING & FA PLAN AREA B
1/8" = 1'-0"

GENERAL NOTES - ELECTRICAL

REFER TO MB-E-1

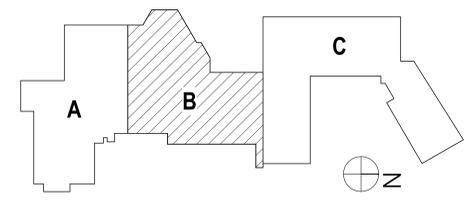
CONSTRUCTION NOTES - LIGHTING

- L1 PROVIDE SMOKE DETECTOR ON EACH ELEVATOR OPEN FLOOR. TIE AUX. CONTACTS TO ELEVATOR CONTROLLER AND ASSOCIATED SMOKE CURTAIN.
- L2 REINSTALL EXISTING WALL MOUNTED ELECTRICAL DEVICES. COORDINATE WORK WITH GC.
- L3 RE-INSTALL AND CONNECT ALL CEILING MOUNTED ELECTRICAL DEVICES INCLUDED VACANCY SENSORS, EXIT SIGNS, AND FIRE ALARM IN THIS SPACE TO THEIR EXISTING CIRCUITRY ONCE WORK BY OTHER TRADES HAVE BEEN COMPLETED. CONNECT FIXTURES TO EXG. ROOM LIGHTING HOMERUN. RE-CONNECT LIGHT FIXTURES TO EXISTING SWITCHING. CLEAN FIXTURES PRIOR TO RE-INSTALLATION. COORDINATE WITH OTHER TRADES PRIOR TO STARTING WORK.
- L4 PROVIDE LIGHTING FIXTURES IN QUANTITIES AS SHOWN IN THIS SPACE. PROVIDE ALSO 0-10V DIMMING CONTROLS AND OCCUPANCY SENSOR EVERY 50 FT.
- L5 PROVIDE LIGHTING FOR TROPHY CASE AS SHOWN ON PLAN. COORDINATE WITH A-SERIES DRAWINGS FOR MORE INFORMATION.
- L6 NEW LED LIGHTING (KORLIN LSV-12487) AT CANOPY SEE E3.2 FOR LIGHTING FIXTURE SCHEDULE INFORMATION.
- L7 CONTRACTOR TO PROVIDE ALL NECESSARY FIRE ALARM CONNECTIONS REQUIRED FOR ELEVATOR EQUIPMENT. COORDINATE SAID REQUIREMENTS WITH ELEVATOR MODERNIZATION COMPANY PRIOR TO ORDERING MATERIALS.
- L8 PROVIDE LIGHTING FIXTURES S8 AND S9 IN QUANTITIES AS SHOWN ON LIGHTING PLAN. PROVIDE 7-PIN DAYLIGHT PHOTOCELL FOR CONTROL OF EXTERIOR MOUNTED LIGHT FIXTURES. EXTERIOR PHOTOCELL TO BE SUITABLE FOR OUTDOOR ENVIRONMENTS AND TO BE MOUNTED TO EXTERIOR CANOPY. COORDINATE EXACT PHOTOCELL LOCATION WITH MANUFACTURER'S RECOMMENDATIONS AND FIELD CONDITIONS. PHOTOCELL OPERATION TO TURN LIGHTS ON IN NIGHTTIME/LOW LIGHT CONDITION AND TURN LIGHTS OFF IN DAYTIME/HIGH LIGHT CONDITION. PROVIDE ALSO QTY (3X) EXTERIOR RATED OCCUPANCY SENSOR DEVICES AS SHOWN ON LIGHTING PLAN TO CONTROL EXTERIOR MOUNTED LIGHT FIXTURES. OCCUPANCY SENSORS TO AUTOMATICALLY SHUT OFF EXTERIOR LIGHT FIXTURES AFTER NO MORE THAN 15 MINUTES OF SENSED VACANCY.
- L9 PROVIDE NEW DIMMING LIGHTING CONTROL.
- L10 COMMISSION CORRIDOR TO 30FC. REVIEW FINAL LIGHTING LEVELS WITH OWNER / ARCHITECT.
- L11 RE-INSTALL PREVIOUSLY SECURE FACPS IN THIS LOCATION ABOVE BANK OF SWITCHES. RE-USE PREVIOUSLY SECURED ASSOCIATED CABLING AND CIRCUITRY. MODIFY / EXTEND AS NEEDED.
- L12 RECONNECT LIGHT FIXTURES TO EXISTING BRANCH CIRCUITRY. RECONNECT TO EXISTING SWITCHING. CONTRACTOR TO CONFIRM EXISTING SWITCHING IS COMPATIBLE WITH NEW LIGHTING FIXTURES. MODIFY / EXTEND CIRCUITRY AS NEEDED.
- L13 PROVIDE FUSED 20A SAFETY SWITCH FOR CAB LIGHTING. INTEGRATE INTO CAB LIGHTING CIRCUIT.
- L14 PROVIDE ELEVATOR SMOKE CURTAINS AT EACH LEVEL WHERE THE HOISTWAY OPENS TO THE CORRIDOR. PROVIDE A DEDICATED 120V, 20A CIRCUIT TO EACH UNIT PER MANUFACTURER REQUIREMENTS. UNLESS NOTED OTHERWISE, USE (2)-1/2, (1)-1/2, IN 3/4". CONNECT TO THE NEAREST PANEL SERVING SAFETY LOADS.
- L15 PROVIDE ADDITIONAL EXIT SIGN DUE TO OBSTRUCTED VISIBILITY OF PRIMARY EXIT.
- L16 PROVIDE A DEDICATED CIRCUIT FOR ELEVATOR PIT LIGHTING. FEED THE PIT LIGHTING FROM THE EXISTING PANEL SPACE SERVING THE ELEVATOR PIT. EXTEND AND INTEGRATE WITH EXISTING PIT LIGHTING CIRCUITRY AS REQUIRED.
- L17 PROVIDE ADDITIONAL VACANCY SENSOR IN THIS ROOM.
- L18 ALL SWITCHES MUST BE KEY SWITCHES, GRAY COLOR, WITH STAINLESS STEEL COVER PLATES.
- L19 IN ALL TOILET ROOMS THAT DO NOT HAVE AN EXISTING EMERGENCY LIGHT, A NEW EMERGENCY LIGHT SHALL BE INSTALLED. WHERE AN EXISTING EMERGENCY LIGHT IS PRESENT, IT SHALL BE REINSTALLED AFTER CEILING WORK IS COMPLETED.

DATE:	12/18/2025	ISSUED FOR:	CD
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DATE:	12/18/2025	ISSUED FOR:	CD

HUNT ENGINEERS ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-563-1000 | PRINCIPLES, NY 562-337-7668 | TOWANDA, PA 570-265-4668
 BINGHAMTON, NY 607-738-8881 | ALBANY, NY 607-738-1801
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0019250 | PA CERTIFICATE NO. TSC220313464-1

SECOND FLOOR LIGHTING & FA PLAN - AREA B
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET PRATTSBURGH, NY 148473
MB-E2.6
 PROJECT NO: 2716-043



Main Building: SED# 57-23-01-04-2-005-501; Auxiliary Building: SED# 57-23-01-04-2-005-501; Agricultural Building: SED# 57-23-01-04-2-005-501; T. Room Facility: SED# 57-23-01-04-2-005-501

DIFFUSER & GRILL SCHEDULE							
UNIT #	FUNCTION	MFG/ MODEL	FACE / NECK SIZE	MAX SP	MAX N.C.	BORDER	REMARKS
D-1	SUPPLY	PRICE SCD4	24x24 / 8	.05	20	-	1,2
D-2	SUPPLY	GREENHECK SGM1	30x6	.05	20	-	1,2
R-1	RETURN	PRICE / EGG CRATE 80	24x24	.05	20	-	1,2
R-2	RETURN	PRICE / EGG CRATE 80	24x24	.05	20	-	1,2

NOTES: 1. IF ONE SIZE IS GIVEN IT REFERS TO NECK SIZE AND FACE IS 24"x24".
2. INDICATES APD LESS THAN .03 OR NC LESS THAN 20

CABINET UNIT HEATER SCHEDULE													
UNIT #	LOCATION	TOTAL	HEATING DATA					ELECTRICAL DATA			MANUFACTURE / MODEL #	REMARKS & NOTES	
			EAT	EWI	PGM	MAX WPD (FT)	TOTAL MBH	MCA	VOLTS	PHASE			
CUM-1	MB-H1.1	400	60	160	1.5	2.83	24.66	1.38	115	1	TRANE FFE8060	1,2,3	

NOTES: 1. PROVIDE FACTORY WIRED DISCONNECT
2. PROVIDE FIELD WIRED CONTROLS
3. PROVIDE BOTTOM STAMPED SUPPLY AND RETURN.

VRF OUTDOOR UNIT SCHEDULE														
UNIT NUMBER	LOCATION	SERVES	HEATING DATA			COOLING DATA			ELECTRICAL				MANUFACTURER / MODEL #	NOTES
			AMBIENT TEMP (F)	TOTAL MBH	AMBIENT TEMP (F)	TOTAL MBH	REFRIG	VOLTS	PHASE	MOP (MODULE 1/2)	MCA (MODULE 1/2)	MODULE QUANTITY		
ACCU-1	MB-H2.4	EV-14-26, UV-2	47	270	95	240	R-454B	230	3	110 / 100	66 / 60	2	TRANE TUHYH2403BN41AN	1,2,3,4
ACCU-2	MB-H2.4	EV-11-13, UV-1	47	270	95	240	R-454B	230	3	110 / 100	66 / 60	2	TRANE TUHYH2403BN41AN	1,2,3,4
ACCU-3	MB-H2.4	UV-6-9	47	160	95	144	R-454B	230	3	90 / 80	55 / 49	2	TRANE TUHYH1443BN41AN	1,2,3,4
ACCU-4	MB-H2.4	UV-3-5	47	215	95	192	R-454B	230	3	100 / 90	63 / 57	2	TRANE TUHYH1223BN41AN	1,2,3,4
ACCU-5	MB-H2.4	HUV-1	47	20	47	18	R-454B	230	1	12	20	1	TRANE STWR5018A1000A	1,2,3,4
ACCU-6	MB-H2.4	EV-27	-	36	95	240	R-454B	230	1	34	56	1	TRANE PUY-AK36NL	1,2,3,4
ACCU-7	MB-H2.4	EV-28	-	36	95	240	R-454B	230	1	34	56	1	TRANE PUY-AK36NL	1,2,3,4

NOTES: 1. FURNISH DISCONNECT SWITCH TO BE WIRED BY E.C.
2. PROVIDE FACTORY CONTROL PANEL WITH TOUCH SCREEN INTERFACE AND BACNET CONNECTION. COORDINATE PANEL LOCATIONS WITH OWNER. SPACES TO BE CONTROLLED BY REMOTE ROOM THERMOSTAT
3. PROVIDE PREFABRICATED WIND RATED CURBS
4. PROVIDE SNOWHAIL GUARDS FOR LOW AMBIENT HEATING.
5. PROVIDE LOW AMBIENT COOLING KIT FOR 100% CAPACITY AT -10 DEGREES F.

UNIT VENTILATOR SCHEDULE																		
UNIT #	LOCATION	SERVED BY	FAN DATA		HEATING COIL DATA				COOLING COIL DATA				ELECTRICAL DATA		MANUFACTURE / MODEL #	NOTES & REMARKS		
			CFM (TOTAL)	CFM (OA)	EWT	EAT	GPW	WPD MAX	CAP MBH	EAT DBWB	CAP MBH SENS.	CAP MBH TOT	FILTER TYPE	MCA			VOLTS	PHASE
UV-1	MB-H1.5	ACCU-2	1000	300	160	47.6	3.21	1.36	64.16	79 / 66	27.13	41.92	THROWAWAY	4.3	120 V	1	TRANE VUVE1001	1,2,3,4,5,6,7,8
UV-2	MB-H1.5	ACCU-1	1250	335	160	49.78	3.54	1.91	70.83	79 / 66	33.41	49.90	THROWAWAY	5	120 V	1	TRANE VUVE1251	1,2,3,4,5,6,7,8
UV-3	MB-H1.2	ACCU-4	750	150	160	44.88	2.22	.04	44.36	80 / 66	20.86	33.12	THROWAWAY	4.3	120 V	1	TRANE VUVE0751	1,2,3,4,5,6,7,8
UV-4	MB-H1.2	ACCU-4	750	150	160	43.97	2.24	1.05	44.71	81 / 67	20.96	33.38	THROWAWAY	4.3	120 V	1	TRANE VUVE0751	1,2,3,4,5,6,7,8
UV-5	MB-H1.2	ACCU-4	750	150	160	47.15	2.17	1.02	43.49	80 / 66	20.56	32.46	THROWAWAY	4.3	120 V	1	TRANE VUVE0751	1,2,3,4,5,6,7,8
UV-6	MB-H1.4	ACCU-3	750	150	160	48.51	2.15	1.01	42.96	80 / 66	20.30	32.30	THROWAWAY	4.3	120 V	1	TRANE VUVE0751	1,2,3,4,5,6,7,8
UV-7	MB-H1.4	ACCU-3	750	150	160	48.51	2.15	1.01	42.96	80 / 66	20.30	32.30	THROWAWAY	4.3	120 V	1	TRANE VUVE0751	1,2,3,4,5,6,7,8
UV-8	MB-H1.4	ACCU-3	750	150	160	52.13	2.08	.98	41.57	79 / 65	19.87	31.21	THROWAWAY	4.3	120 V	1	TRANE VUVE0751	1,2,3,4,5,6,7,8
UV-9	MB-H1.4	ACCU-3	750	150	160	58.51	1.96	.92	39.11	80 / 66	20.30	32.30	THROWAWAY	4.3	120 V	1	TRANE VUVE0751	1,2,3,4,5,6,7,8

NOTES: 1. PROVIDE LOW FLA ECM MOTOR.
2. PROVIDE WIRED AND MOUNTED DISCONNECT.
3. INSTALL EBTRON EF-2000-U FLOW METER IN OA INTAKE FURNISHED BY CONTROLS VENDOR.
4. PROVIDE FIELD WIRED CONTROLS
5. PROVIDE LEV VALVE ASSEMBLY AND LEV CONTROLLER. LEV CONTROLLER TO BE WITHIN 16FT OF LEV VALVE ASSEMBLY.
6. EC TO PROVIDE 208V/1PH POWER CONNECTION TO LEV CONTROLLER
7. PROVIDE FULL ADAPTER BACK AND RECONNECT EXISTING WALL SELVE AND LOUVER.
8. ROU 34" CONDENSATE OUT THROUGH LOUVER.

HORIZONTAL UNIT VENTILATOR SCHEDULE																			
UNIT #	LOCATION	SERVED BY	FAN DATA			HEATING COIL DATA				COOLING COIL DATA				ELECTRICAL DATA		MANUFACTURE / MODEL #	NOTES & REMARKS		
			CFM (TOTAL)	CFM (OA)	EXT.SP(")	EWT	EAT	GPW	WPD MAX	CAP MBH	EAT DBWB	CAP MBH SENS.	CAP MBH TOT	FILTER TYPE	MCA			VOLTS	PHASE
HUV-1	MB-H1.2	ACCU-5	750	80	3	160	53.20	1	.09	25.40	78.84 / 65.6			1" MERV 8	15	120 V	1	TRANE HUV0751	1,2,3,4,5,6

NOTES: 1. PROVIDE LOW FLA ECM MOTOR.
2. PROVIDE WIRED AND MOUNTED DISCONNECT.
3. INSTALL EBTRON EF-2000-U FLOW METER IN OA INTAKE FURNISHED BY CONTROLS VENDOR.
4. PROVIDE FIELD WIRED CONTROLS
5. PROVIDE LEV VALVE ASSEMBLY AND LEV CONTROLLER. LEV CONTROLLER TO BE WITHIN 16FT OF LEV VALVE ASSEMBLY.
6. EC TO PROVIDE 208V/1PH POWER CONNECTION TO LEV CONTROLLER

DOAS UNIT SCHEDULE																													
UNIT NUMBER	LOCATION (SHEET #)	SUPPLY FAN				EXHAUST FAN				COOLING DATA (90 DEGREE AMBIENT)				ENERGY RECOVERY				ELECTRICAL		MANUFACTURER / MODEL #	NOTES								
		OA	TOTAL	EXT.SP(")	TOT.SP(")	HP	RPM	EXT.SP(")	TOT.SP(")	HP	RPM	EAT	LAT	SENS.	TOTAL MBH	REFRIG	HEAT PUMP (0 DEGREE AMBIENT)	SUMMER SA DB	SUMMER RA DB			WINTER SA DB	WINTER RA DB	VOLTS/PHASE	MCA	MOP			
DOAS-1	MB-H2.4	4000	4000	1.75	3.408	2	1813	.75	2.11	3	1234	79.9 / 65.9	50.7	120.7	174.5	R-454B	45.7	91.5	34.8	79 / 65	75 / 73	45.7	70	208	3	190.8	200	TRANE	1,2,3,4,5,6,7,8,9,10,11,12,13

NOTES: 1. PROVIDE SINGLE POINT POWER CONNECTION. DISCONNECT PROVIDED BY E.C.
2. PROVIDE UNIT WITH VARIABLE SPEED SUPPLY AND EXHAUST FANS WITH FACTORY PROVIDED VFD'S.
3. PROVIDE POWERED EXHAUST WITH BACKDRAFT DAMPER AND MOTORIZED DAMPER ON OUTSIDE AIR.
4. PROVIDE UNIT WITH PACKAGED FACTORY CONTROLS WITH BACNET INTERFACE.
5. FURNISH FACTORY FABRICATED 16" WIND RATED CURBS IN COMPLIANCE WITH SECTION 301.15 OF THE MECHANICAL CODE OF NEW YORK STATE. PROVIDE WITH INTERMEDIATE BAFELLS TO SEPERATE SUPPLY AND RETURN SIDES OF UNIT. SEE SEQUENCES FOR MORE INFORMATION.
6. TEMPERATURE CONTROL TO BE CONSTANT DISCHARGE AIR TEMP WITH TEMPERATURE RESET BASED ON CALLS FOR HEATING/COOLING.
7. FAN SHUTDOWN UPON FIRE ALARM ACTIVATION BY OTHERS. COORDINATE AS REQUIRED.
8. PROVIDE MERV 13 FILTER
9. PROVIDE MODULATING 150.2MBH HOT GAS REHEAT
10. INSTALL AIR FLOW MEASURING STATION FURNISHED BY OTHERS ON OUTSIDE AIR, SUPPLY AND RETURN.
11. PROVIDE FACTORY INSTALLED SERVICE/CONVENIENCE OUTLET.
12. PROVIDE 37KW AUXILIARY HEAT WITH SCR CONTROL.
13. PROVIDE RECIRC DAMPER FOR 100% RETURN.

VRF INDOOR EVAPORATOR SCHEDULE														
UNIT NUMBER	LOCATION	SERVED BY	HEATING DATA			COOLING DATA			ELECTRICAL DATA				MANUFACTURER / MODEL NO.	NOTES & REMARKS
			AMBIENT TEMP (F)	TOTAL MBH	AMBIENT TEMP (F)	TOTAL MBH	VOLTS	PHASE	MCA	MOP				
EV-1	MB-H1.4	ACCU-2	45	17	95	15	230	1	35	15	TRANE TPLFYP015FM140B	1,2,3		
EV-2	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-3	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-4	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-5	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-6	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-7	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-8	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-9	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-10	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-11	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-12	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-13	MB-H1.4	ACCU-2	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-14	MB-H1.5	ACCU-2	45	17	95	15	230	1	35	15	TRANE TPLFYP015FM140B	1,2,3		
EV-15	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-16	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-17	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-18	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-19	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-20	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-21	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-22	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-23	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-24	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-25	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-26	MB-H1.4	ACCU-1	45	13.5	95	12	230	1	29	15	TRANE TPLFYP012FM140B	1,2,3		
EV-27	MB-H1.2	ACCU-6	45	-	95	36	208	1	18.7	35	TRANE PKA-AK35NL	1,2,3		
EV-28	MB-H1.2	ACCU-7	45	-	95	36	208	1	18.7	35	TRANE PKA-AK35NL	1,2,3		

NOTES: 1. PROVIDE DISCONNECT
2. PROVIDE UL LISTED OVERFLOW SENSOR TIED TO UNIT POWER FOR SHUT DOWN.
3. PROVIDE OPTIONAL FACTORY CONDENSATE PUMP WIRED TO UNIT POWER.

RADIATION SCHEDULE													
UNIT #	LOCATION	MTG. HEIGHT	ELEMENT		EWT	GPM	CAP BTU/HR/FT	MANUFACTURE / MODEL #	NOTES & REMARKS				
			ROWS	LENGTH (FT)									
FTR-1	MB-H2.3	4"	2	22'-0"	160	1.5	580	ZEHNDER RITTLING / SBG3	1,2,3				
FTR-2	MB-H2.3	4"	2	22'-0"	160	1.5	580	ZEHNDER RITTLING / SBG3	1,2,3				
FTR-3	MB-H2.3	4"	2	22'-0"	160	1.5	580	ZEHNDER RITTLING / SBG3	1,2,3				
FTR-4	MB-H2.2	18"	2	8'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-5	MB-H2.2	18"	2	4'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-6	MB-H2.2	18"	2	4'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-7	MB-H2.2	18"	2	6'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-8	MB-H2.2	18"	2	4'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-9	MB-H2.2	18"	2	9'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-10	MB-H2.3	18"	2	5'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-11	MB-H2.3	18"	2	5'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-12	MB-H2.3	18"	2	7'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-13	MB-H2.3	18"	2	5'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-14	MB-H2.3	18"	2	5'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-15	MB-H2.3	18"	2	5'-0"	160	0.5	580	ZEHNDER RITTLING / BGS	1,2,3				
FTR-16	MB-H2.3	4"	2	22'-0"	160	1.5	580	ZEHNDER RITTLING / SBG3	1,2,3				
FTR-17	MB-H2.3	4"	2	22'-0"	160	1.5	580	ZEHNDER RITTLING / SBG3	1,2,3				
FTR-18	MB-H2.												

GENERAL NOTES:

- A THE CONTRACTOR IS RESPONSIBLE FOR ALL WORK REQUIRED TO IMPLEMENT THE WORK OF THE CONTRACT, REGARDLESS OF WHETHER SPECIFICALLY INDICATED OR NOT, UNLESS NOTED OTHERWISE.
- B THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS IN THE FIELD PRIOR TO COMMENCING ANY WORK AND NOTIFY ARCHITECT IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.
- C THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS CONTRACT WITH THE WORK OF ALL OTHER CONTRACTED WORK AND WORK PERFORMED BY THE OWNER.
- D ALL NEW DOOR FRAMES INSTALLED IN MASONRY PARTITIONS SHALL BE MOUNTED 4" FROM ADJACENT WALLS (6" TO DOOR).
- E ALL FINISHED ASSEMBLIES ARE REQUIRED TO BE PROTECTED DURING THE COURSE OF CONSTRUCTION. ALL FINISHED ASSEMBLIES DAMAGED DURING THE COURSE OF CONSTRUCTION ARE REQUIRED TO BE REPLACED OR REPAIRED AT THE ARCHITECT'S DIRECTION.
- F EXTEND ALL NEW PARTITIONS TO DECK ABOVE, UNLESS NOTED OTHERWISE.
- G ITEMS SHOWN ARE INTENDED TO GIVE APPROXIMATE QUANTITY, LOCATION & TYPE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACTUAL QUANTITY & EXISTING FIELD CONDITIONS.
- H ALL DIMENSIONS ARE TAKEN FROM FACE OF WALL TO FACE OF WALL, UNLESS NOTED OTHERWISE.
- I THERE SHALL BE A MINIMUM OF 1'-0" CLEAR FLOOR SPACE ON THE PULL SIDE OF ALL NEW DOORS; THERE SHALL BE A MINIMUM OF 1'-0" CLEAR FLOOR SPACE ON THE PUSH SIDE OF ALL NEW DOORS.
- J THE WHEELCHAIR SYMBOL INDICATES HANDICAP ACCESSIBLE MOUNTED FIXTURE ELEVATION AND SHALL CONFORM WITH CABOANSI A117.1 AND ADAAG.

RESTROOM PLAN NOTES

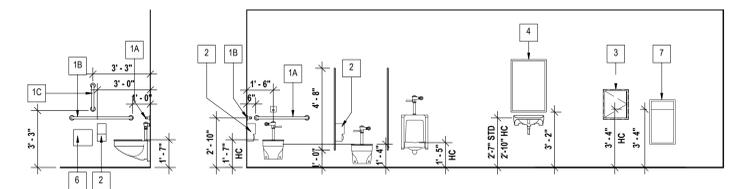
- 1 PROVIDE CERAMIC TILE FLOOR FINISH. SEE FINISH PLANS FOR LOCATION.
- 2 PROVIDE HANDICAP ACCESSIBLE GRAB BARS AND TOILET ROOM ACCESSORIES AS SHOWN ON PLANS.
- 3 PROVIDE HIGH PRIVACY TOILET PARTITIONS TO EXTENT SHOWN ON PLAN. REFER TO SPECIFICATION SECTION 10 21 13.13 FOR MORE INFORMATION.
- 4 PROVIDE PAINT FINISH ON ALL WALLS. REFER TO ELEVATIONS AND FINISH KEY FOR ADDITIONAL INFORMATION & PATTERN.

CASEWORK SCHEDULE

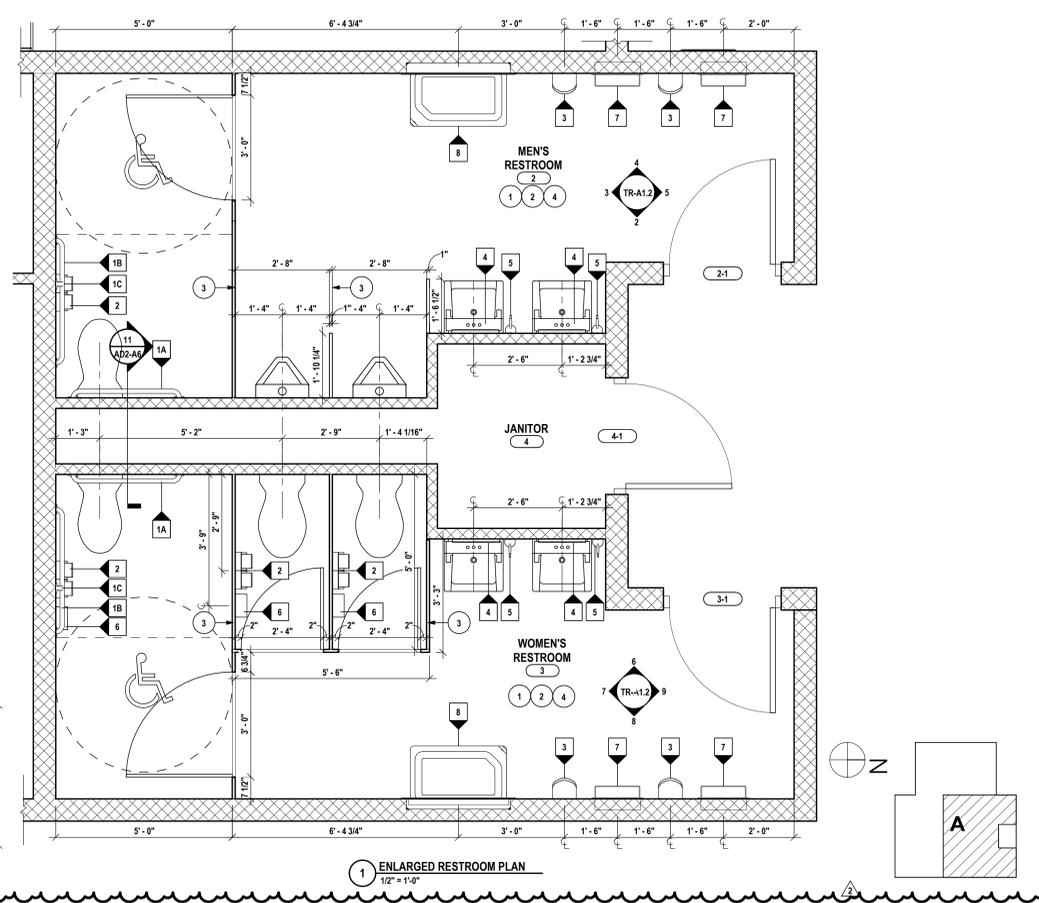
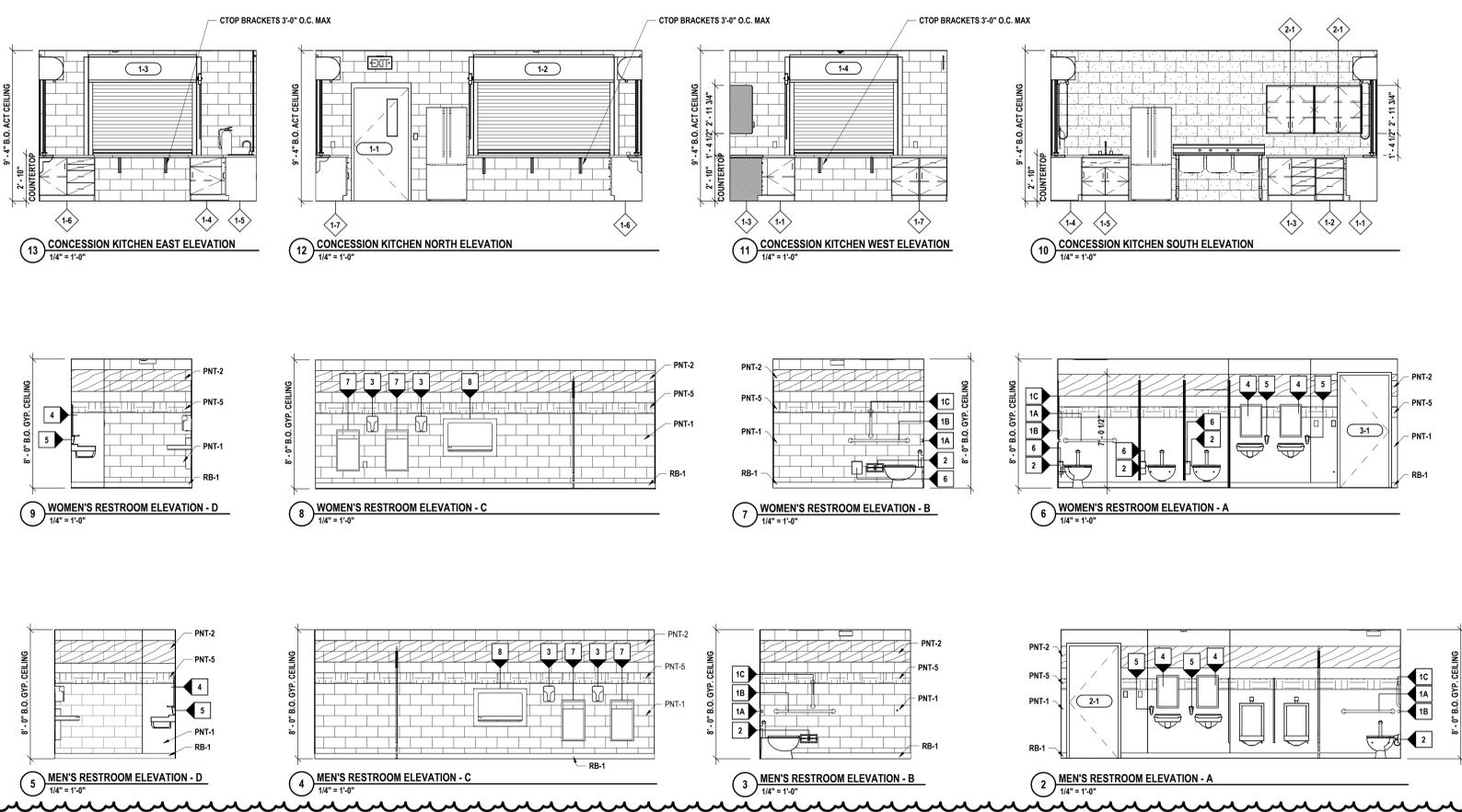
TYPE MARK	SIZE			MODEL NUMBER	DOOR CONFIGURATION	TYPE COMMENTS
	HEIGHT	WIDTH	DEPTH			
BASE CABINET						
1-1	32 1/2"	41 1/4"	22 1/2"	3779P	SOLID	METAL BASE CABINET
1-2	32 1/2"	21"	22 1/2"	3657	SOLID	METAL BASE CABINET
1-3	32 1/2"	35 1/4"	22 1/2"	3700D	SOLID	METAL BASE CABINET
1-4	32 1/2"	47 1/4"	22 1/2"	3789P	SOLID	METAL BASE CABINET
1-5	32 1/2"	35 1/4"	22 1/2"	3685D	SOLID	METAL BASE CABINET
1-6	32 1/2"	41 1/4"	22 1/2"	3698E	SOLID	METAL BASE CABINET
1-7	32 1/2"	41 1/4"	22 1/2"	3694E	SOLID	METAL BASE CABINET
Wall Case						
2-1	36"	35 1/4"	16"	5438	SOLID	METAL WALL CABINET
2-1	36"	35 1/4"	16"	5438	SOLID	METAL WALL CABINET

TOILET ROOM ACCESSORY SCHEDULE

SYMBOL	DESCRIPTION	MANUFACT.	MODEL	SIZE	REMARKS
1A	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	36"	PROVIDED BY CONTRACTOR. HORIZONTAL. REFER TO SPECIFICATION SECTION 10 28 00.
1B	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	42"	PROVIDED BY CONTRACTOR. HORIZONTAL. REFER TO SPECIFICATION SECTION 10 28 00.
1C	GRAB BAR	AMERICAN SPECIALTIES INC.	3800	18"	PROVIDED BY CONTRACTOR. VERTICAL. REFER TO SPECIFICATION SECTION 10 28 00.
2	TOILET TISSUE DISPENSER	FURNISHED BY OWNER	--	FIELD VERIFY	FURNISHED BY OWNER. INSTALLED BY CONTRACTOR.
3	HAND DRYER	FURNISHED BY OWNER	--	FIELD VERIFY	FURNISHED BY OWNER. INSTALLED BY CONTRACTOR.
4	MIRROR	AMERICAN SPECIALTIES INC.	#600 SERIES	16"x16"	PROVIDED BY CONTRACTOR. REFER TO SPECIFICATION SECTION 10 28 00.
5	SOAP DISPENSER	PROVIDED BY OWNER	--	FIELD VERIFY	FURNISHED BY OWNER. INSTALLED BY CONTRACTOR.
6	SANITARY NAPKIN DISPOSAL	FURNISHED BY OWNER	--	FIELD VERIFY	FURNISHED BY OWNER. INSTALLED BY CONTRACTOR.
7	SEMI-RECESSED WASTE RECEPTACLE	AMERICAN SPECIALTIES INC.	0458	17 1/4" x 30 1/2"	PROVIDED BY CONTRACTOR. SEMI-RECESSED MOUNT. REFER TO SPECIFICATION SECTION 10 28 00.
8	BABY CHANGING STATION	AMERICAN SPECIALTIES INC.	10-9018-41	28 1/4" x 39 9/32"	PROVIDED BY CONTRACTOR. RECESSED MOUNT. REFER TO SPECIFICATION SECTION 10 28 00.



14 TYPICAL MOUNTING HEIGHT - TOILET ACCESSORIES
1/4" = 1'-0"



1 ENLARGED RESTROOM PLAN
1/2" = 1'-0"

DRAWN BY:	TSM
CHECKED BY:	JL
DATE:	12/18/2025
PHASE:	CD

DESCRIPTION OF REVISION:
ISSUED FOR BID
Addendum #2

DATE: 1 02/03/2026
2 1/4/2026

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS DRAWING, CALCULATIONS, SPECIFICATIONS, INSTRUMENTS OR CONTRACT DOCUMENTS.

HUNT ENGINEERS ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-458-1000 ROCKY HILLS, CT 860-327-7668 TOWANDA, PA 870-265-4668
 BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-758-8881 WWW.HUNT-EAS.COM
 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC220313464-1

ENLARGED RESTROOM PLANS & INTERIOR ELEVATIONS
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH NY

TR-A1.2
 PROJECT NO: 2716-043

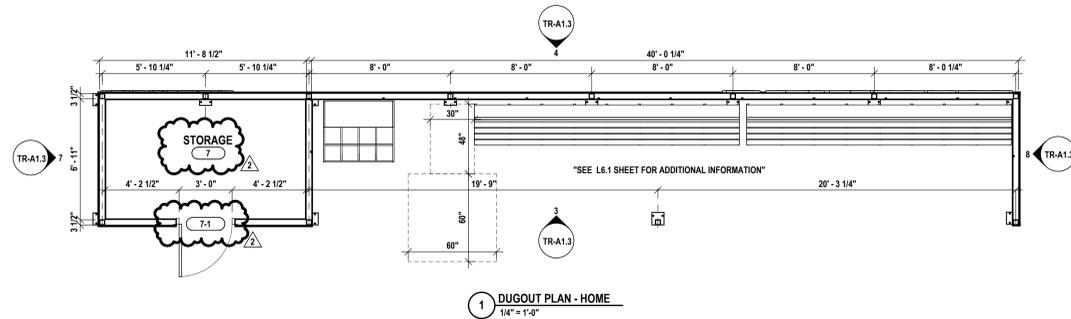
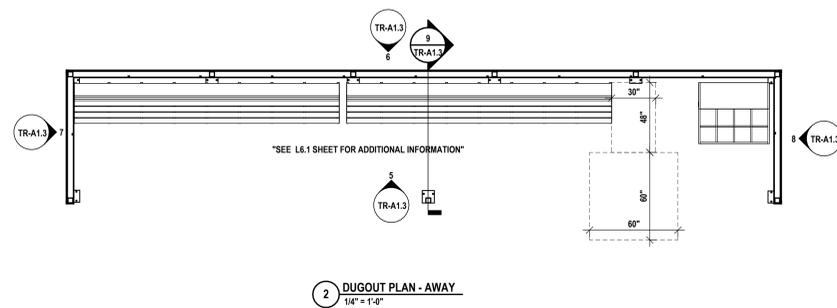
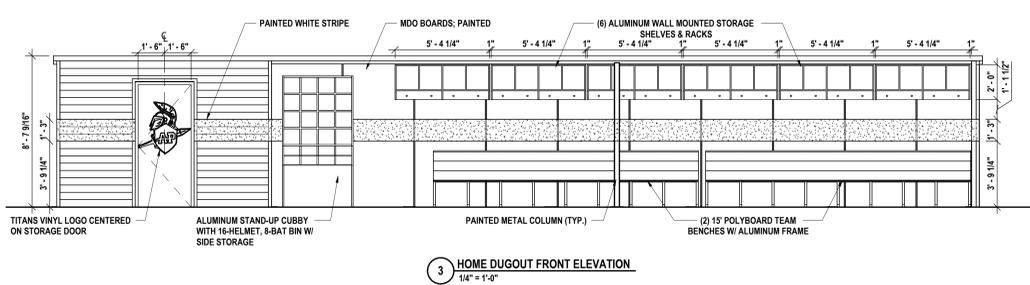
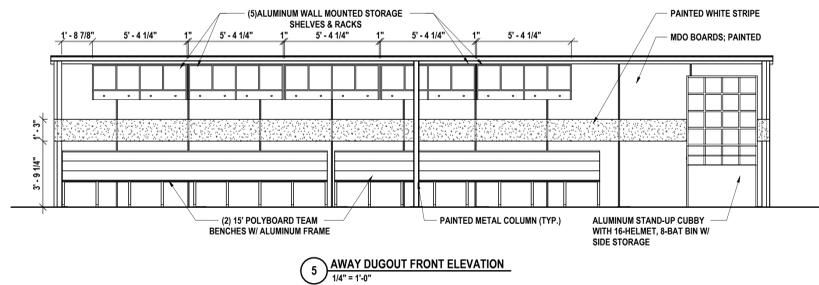
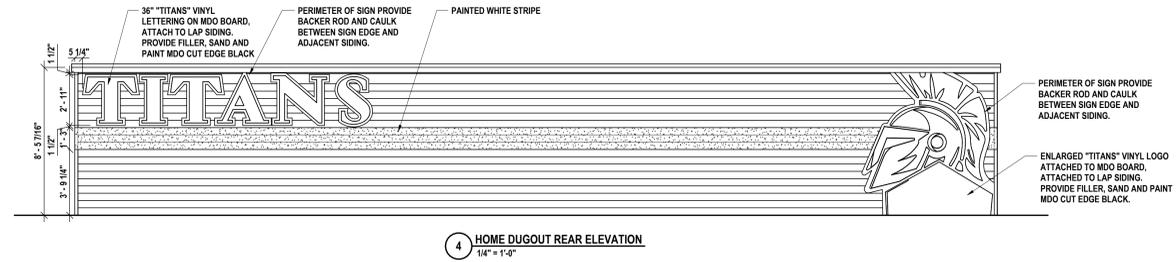
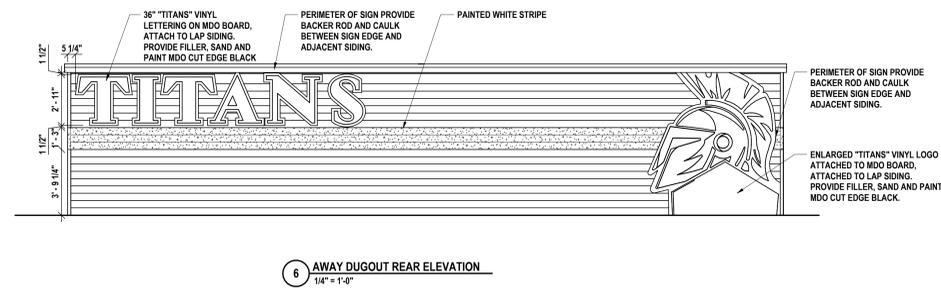
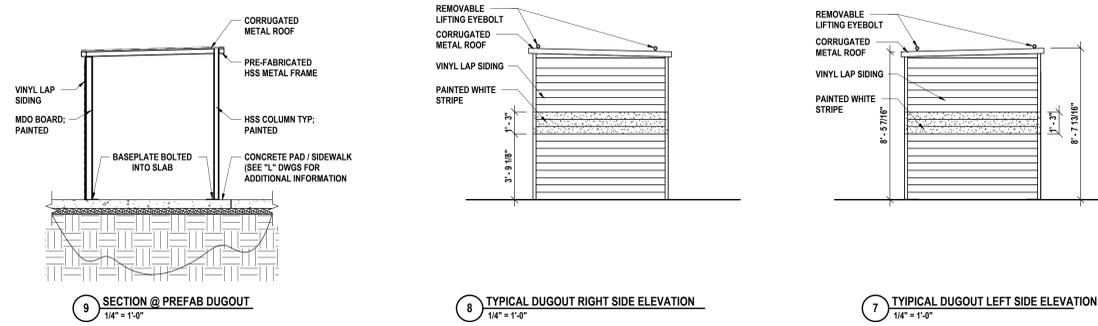
* NOTE: SEE DWG L6.1 SITE DETAILS FOR ADDITIONAL INFORMATION ON PRE-FABRICATED DUGOUTS *

DATE:	12/18/2025	TSK
CHECKED BY:	JL	JL
PHASE:	CD	CD
DESCRIPTION OF REVISION:	ISSUED FOR BID	
# DATE:	1 10/08/2026	ADDITION #2
	2 1/14/2026	

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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 ALBANY, NY 607-798-8881
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC22020131464-1

ENLARGED DUGOUT PLANS, ELEVATIONS, SECTIONS
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH NY

TR-A1.3
 PROJECT NO: 2716-043



Main Building - SED# 57-23-01-04-0-001-031, Toilet Room Facility - SED# 57-23-01-04-0-001-001, Auxiliary Building - SED# 57-23-01-04-0-002-012, Agricultural Building - SED# 57-23-01-04-0-006-012

GENERAL NOTES - ELECTRICAL

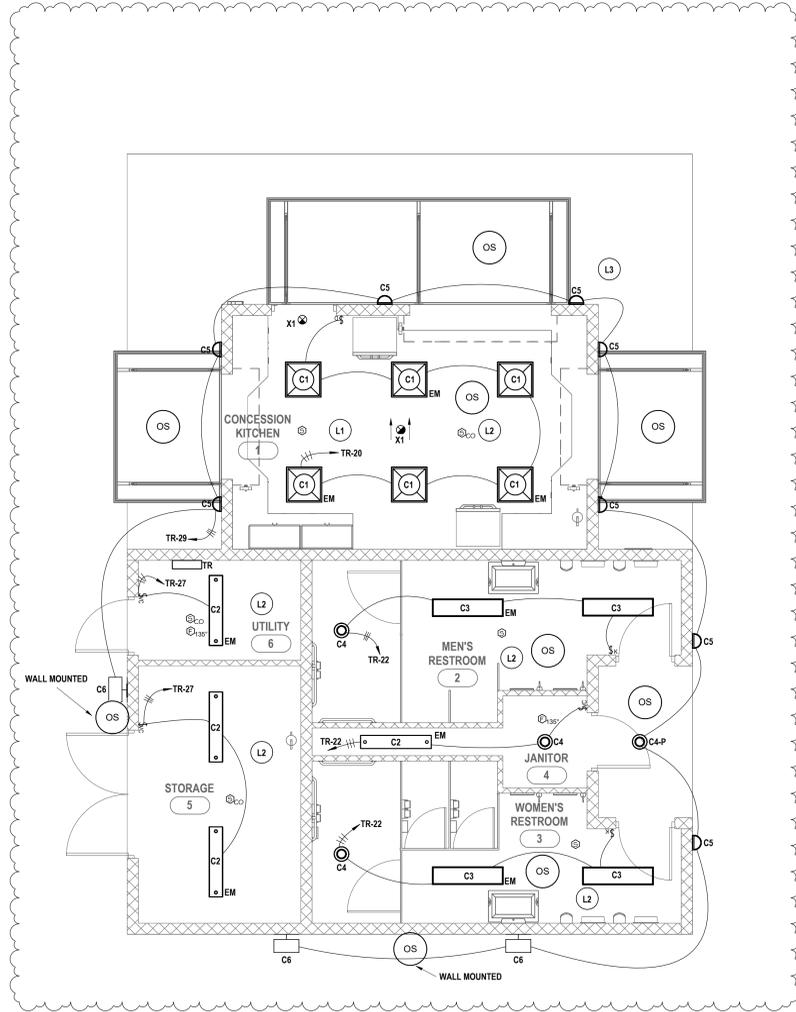
- A CONTRACTOR IS RESPONSIBLE FOR ALL WORK ON THIS DRAWING UNLESS CLEARLY INDICATED TO BE PART OF ANOTHER PRIME CONTRACT.
- B CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER/ARCHITECT OF CONFLICTS AND CONDITIONS WHICH INTERFERE WITH INSTALLATION AS SET FORTH IN CONTRACT DOCUMENTS.
- C CONTRACTOR IS RESPONSIBLE FOR ALL NEW WALL OPENINGS, EXCAVATIONS, AND PENETRATIONS, UNLESS SPECIFICALLY NOTED. UPON COMPLETION, ALL PENETRATIONS TO BE SEALED TO MAINTAIN FIRE RATING AS SPECIFIED ON ARCHITECTURAL DRAWINGS.
- D CONTRACTOR IS RESPONSIBLE FOR ALL CUTTING AND PATCHING UNLESS CLEARLY INDICATED AS PART OF ANOTHER PRIME CONTRACT.
- E MINIMUM CONDUIT SIZE USED ON THIS PROJECT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
- F MINIMUM WIRE SIZE USED ON THIS PROJECT SHALL BE #12 THINWALL UNLESS OTHERWISE NOTED.
- G ALL CABLING INSTALLATIONS AND TERMINATIONS TO ADHERE TO CURRENT NEC CODES AND RELATED ANS/IEEE STANDARDS.
- H DURING DEMOLITION OF EXISTING CABLING, ANY DAMAGE TO FUNCTIONING CABLING SYSTEM IS THE RESPONSIBILITY OF AND WILL BE REPAIRED BY THE CONTRACTOR.
- I CONTRACTOR SHALL BE AWARE OF THE PRESENCE OF EXISTING ASBESTOS CONTAINING MATERIAL SCHEDULED TO REMAIN IN PLACE WITHIN THE PROJECT SCOPE. ANY WORK REQUIRED THAT HAS THE POTENTIAL TO DISTURB HAZARDOUS MATERIALS SHALL BE COORDINATED DIRECTLY WITH THE OWNER.
- J ALL ELECTRICAL DEVICES, MATERIALS, AND PACKAGED EQUIPMENT SHALL BE LISTED AND LABELED BY UNDERWRITERS LABORATORIES INC. (UL).
- K NEW CIRCUIT BREAKER(S) THAT ARE TO BE ADDED TO EXISTING PANELBOARD(S) SHALL BE LISTED/LABELED FOR USE WITH THE EXISTING PANELBOARD(S).
- L THE SHORT-CIRCUIT RATINGS OF ALL PROTECTIVE DEVICES SHALL BE EQUAL TO OR EXCEED THE AVAILABLE SHORT-CIRCUIT CURRENT.
- M ALL WORK TO CONFORM TO CURRENT NEC AND ALL APPLICABLE CODES.
- N CONTRACTOR TO NOTIFY ELECTRICAL ENGINEER FOR INSPECTION OF ALL INSTALLATIONS BEFORE BEING BURIED OR COVERED.
- O ALL ELECTRICAL DEVICES AND EQUIPMENT SCHEDULED FOR REMOVAL ARE CONSIDERED PROPERTY OF THE OWNER. ELECTRICAL DEVICES AND EQUIPMENT SHALL BE PLACED IN AN AREA DESIGNATED BY THE OWNER. ANY DEVICE OR EQUIPMENT THE OWNER WISHES NOT TO KEEP SHALL BE DISPOSED OF BY THE CONTRACTOR.
- P CONTRACTOR IS RESPONSIBLE FOR DISCONNECTING POWER TO ANY EQUIPMENT SCHEDULED TO BE REMOVED OR REPLACED. COORDINATE WORK WITH OTHER PRIME CONTRACTORS AND DRAWINGS.
- Q CONTRACTOR IS RESPONSIBLE FOR PROVIDING POWER TO ANY EQUIPMENT SCHEDULED TO BE NEWLY INSTALLED. COORDINATE WORK WITH OTHER PRIME CONTRACTORS AND DRAWINGS.
- R CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CONDUIT LOCATIONS IN FIREWALLS. A MAXIMUM OF ONE PIECE OF CONDUIT IS ALLOWED IN A NON-REINFORCED CORE. NO CONDUIT SHALL BE PLACED IN A VERTICALLY REINFORCED CORE IN A FIREWALL.
- S ALL NEW ELECTRICAL DEVICES SUCH AS, BUT NOT LIMITED TO, FIRE ALARM DEVICES, SMOKE DETECTORS, LIGHT FIXTURES, EXIT SIGNS, OCCUPANCY/VACANCY SENSORS, AND NON-KEYED SWITCHES ARE REQUIRED TO HAVE IMPACT PROTECTION THROUGH MEANS OF IMPACT RESISTANT COVERS, OR WIRE GUARDS IN LOCKER ROOMS, GYMNASIUMS, WEIGHT ROOMS, FITNESS CENTERS, WRESTLING ROOMS, AND CAFETERIAS.

CONSTRUCTION NOTES - POWER

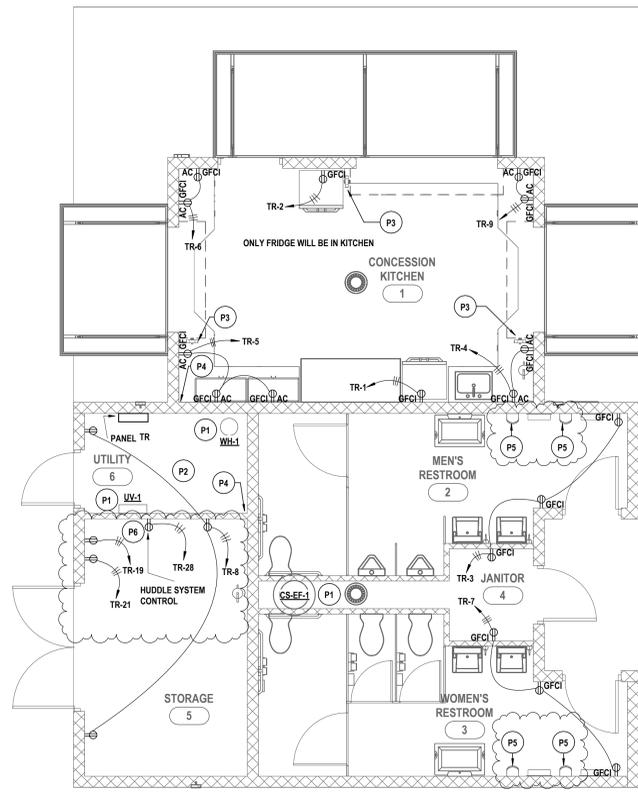
- P1 PROVIDE POWER TO MECHANICAL EQUIPMENT IN SPACE. REFER TO MECHANICAL CONTROL SCHEDULE.
- P2 PROVIDE (1) DEDICATED 120V, 20A CIRCUIT FOR DATA RACKS / IT EQUIPMENT IN THIS SPACE. CIRCUIT FROM PANEL TR USING (2)-10, (1)-10G, IN 3/4". PROVIDE 30A/1P CIRCUIT BREAKER IN PANEL. REFER TO TRF T-SERIES DRAWINGS FOR MORE INFORMATION. RECEPTACLES TO BE PLACED INSIDE CABINET. PLUG TYPE TO BE NEMA 5-15R. COORDINATE WITH OTHER TRADES PRIOR TO INSTALLATION.
- P3 PROVIDE POWER TO OVERHEAD COILING DOOR. MOTOR TO BE 120V, 1HP MAXIMUM. CIRCUIT TO PANEL TR USING (2)-#12, (1)-#12G, IN 3/4". PROVIDE 20A/1P BREAKER IN PANEL.
- P4 PROVIDE (2) 120V, 20A DEDICATED OUTLET IN THIS LOCATION NEAR CEILING. CIRCUIT FROM PANEL TR USING (2)-10, (1)-10G, IN 3/4". PROVIDE 30A/2P BREAKER.
- P5 THE (2) HAND DRYERS PER CIRCUIT WITH 20A, 2P/2, 1P/2G, IN 3/4". TO PANEL TR. HAND DRYERS TO BE HARD-WIRED WITH CONCEALED CONNECTION.
- P6 PROVIDE ONE (1) DEDICATED 20A, 120V RECEPTACLE AT THE HUDDLE SYSTEM CONTROL LOCATION INSIDE THE TOILET ROOM BUILDING. LABEL RECEPTACLE AS "FUTURE HUDDLE SYSTEM CONTROL POWER". COORDINATE EXACT LOCATION WITH ARCHITECT AND RELATED TRADES PRIOR TO START OF WORK. REFER TO "MB-T" SERIES DWGS FOR FURTHER INFORMATION.

CONSTRUCTION NOTES - LIGHTING & FA

- L1 PROVIDE LIGHTING FIXTURES IN QUANTITIES AS SHOWN IN THIS SPACE. PROVIDE ALSO 0-10V DIMMING CONTROLS AND OCCUPANCY SENSOR EVERY 50 FT.
- L2 A FULL FIRE ALARM SYSTEM IS NOT REQUIRED. PROVIDE UL LISTED STANDALONE (KIDDE/BEHNSON), SMOKE DETECTORS AND FIXED TEMPERATURE HEAT DETECTORS (BATTERY OPERATED OR 120V WITH BATTERY BACKUP) AS ACCEPTED BY THE AHJ. OCCUPANCY SENSORS SHALL BE HARDWIRED AND PROVIDED FOR LIGHTING CONTROL IN THE RESTROOM AND KITCHEN AREAS. PROVIDE PORTABLE FIRE EXTINGUISHERS AS REQUIRED BY THE AHJ. EXIT STORAGE SHALL BE PROVIDED WHERE REQUIRED BY THE AHJ.
- L3 PROVIDE LIGHTING FIXTURES C5 AND C6 IN QUANTITIES AS SHOWN ON LIGHTING PLAN. PROVIDE 7-PIN DAYLIGHT PHOTOCELL FOR CONTROL OF EXTERIOR MOUNTED LIGHT FIXTURES. EXTERIOR PHOTOCELL TO BE SUITABLE FOR OUTDOOR ENVIRONMENTS AND TO BE MOUNTED TO EXTERIOR CANOPY. COORDINATE EXACT PHOTOCELL LOCATION WITH MANUFACTURER'S RECOMMENDATIONS AND FIELD CONDITIONS. PHOTOCELL OPERATION TO TURN LIGHTS ON IN NIGHT/TIMELOW LIGHT CONDITION AND TURN LIGHTS OFF IN DAY/TIMEHIGH LIGHT CONDITION. PROVIDE ALSO QTY (BX) EXTERIOR RATED OCCUPANCY SENSOR DEVICES AS SHOWN ON LIGHTING PLAN TO CONTROL EXTERIOR MOUNTED LIGHT FIXTURES. OCCUPANCY SENSORS TO AUTOMATICALLY SHUT OFF EXTERIOR LIGHT FIXTURES AFTER NO MORE THAN 15 MINUTES OF SENSED VACANCY.



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



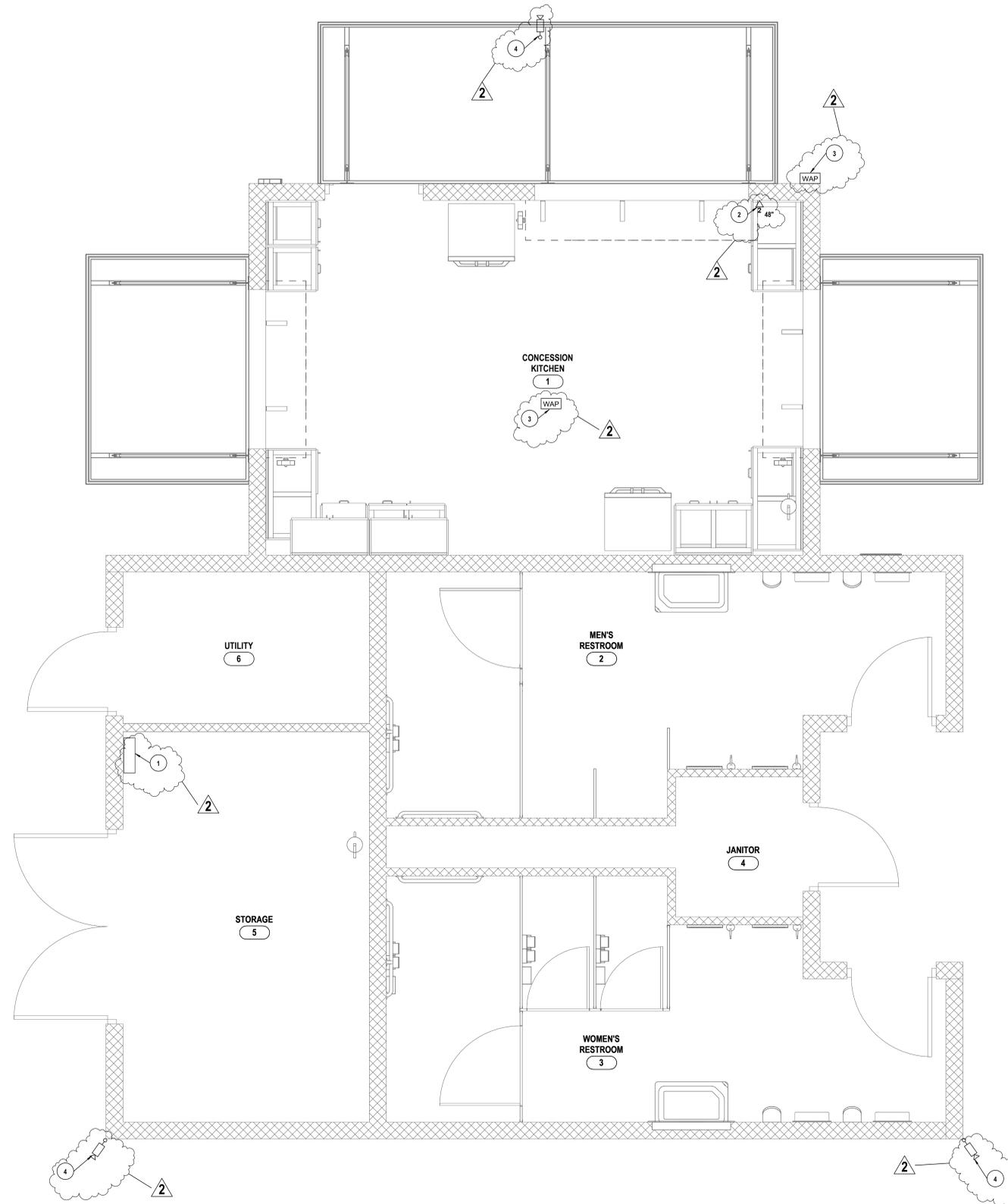
1 FIRST FLOOR POWER PLAN
1/4" = 1'-0"

DRAWN BY:	JXT
CHECKED BY:	TAWL
DATE:	12/18/2025
PHASE:	CD

HUNT ENGINEERS ARCHITECTS | SURVEYORS
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 PROSPERITIES, NY 562-637-7668
 BINGHAMTON, NY 607-798-8881
 ALBANY, NY 607-798-8881
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC2203131464-1

FIRST FLOOR ELECTRICAL PLAN
 2025 CAPITAL IMPROVEMENT PROJECT
 PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH NY

Plan Building - SEDM 57-23-01-04-0-001-034, Toilet Room Facility - SEDM 57-23-01-04-0-005-001, Auxiliary Building - SEDM 57-23-01-04-0-006-012, Agricultural Building - SEDM 57-23-01-04-0-008-012



1 TECHNOLOGY PLAN
1/2" = 1'-0"

GENERAL NOTES - TECHNOLOGY

- A ALL CABLING INSTALLATION AND TERMINATION TO ADHERE TO CURRENT NEC CODES AND RELATED ANSITIAEIA STANDARDS.
- B WHEN INSTALLING CEILING MOUNTED DEVICES, ADJUST LOCATION TO AVOID OTHER CEILING MOUNTED DEVICES SUCH AS EXIT SIGNS, ETC.
- C ALL DATA CABLING SHALL BE PLENUM RATED.
- D OWNER TO APPROVE FINAL LOCATION AND VIEW OF ALL CAMERAS.
- E ALL ELECTRONIC SERVICES NEED TO BE COORDINATED WITH OWNER PRIOR TO REMOVAL AND DISCONNECTION.
- F ALL CEILING MOUNTED DEVICES TO BE SUPPORTED BY STRUCTURE ABOVE. DO NOT USE CEILING GRID AS SOLE SUPPORT MECHANISM
- G ALL WALL OUTLETS SHALL BE LOCATED WITHIN 36" OF THE NEAREST POWER OUTLET AND AT THE SAME ELEVATION.
- H ANY DAMAGE DONE TO A FUNCTIONING CABLING SYSTEM IS THE RESPONSIBILITY OF, AND WILL BE REPAIRED BY THE CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER.
- I CONTRACTOR TO PROVIDE ADDITIONAL CONDUIT PATHWAYS AS REQUIRED FOR ALL NEW CABLING, PER SPECIFICATIONS.
- J THE CONTRACTOR SHALL PROVIDE TEMPORARY PROTECTIVE COVERING ON EXISTING FLOOR AND WALL SURFACES SCHEDULED TO REMAIN IN ALL WORK AREAS. THE CONTRACTOR SHALL USE EXTREME CARE TO PREVENT DAMAGE TO EXISTING FINISHES AND SHALL BE RESPONSIBLE FOR REPAIRING ALL SURFACES AND FINISHES DAMAGED AS A RESULT OF THE WORK.
- K EXISTING CONDUITS THAT ARE RE-USED OR REQUIRED TO BE REMOVED/FILLED, SHALL BE FIRED STOPPED ACCORDING TO SPECIFICATIONS AND ALL APPLICABLE CODES.
- L ELECTRONIC LOCKING HARDWARE PROVIDED AS PART OF DOOR HARDWARE SET UNLESS NOTED OTHERWISE SHALL HAVE POWER SUPPLIES TO BE COMPATIBLE WITH DOOR HARDWARE AS SPECIFIED IN SECTION 08 71 00; VOLTAGE TO BE V.I.F.

CONSTRUCTION NOTES - TECHNOLOGY

- 1 TELECOMMUNICATION ENCLOSURE TO BE INSTALLED PER DETAILS AND SPECIFICATIONS.
- 2 TELECOMMUNICATIONS OUTLET. REQUIRES CABLING AND COMPONENTS PER SPECIFICATIONS & DETAILS.
- 3 WIRELESS ACCESS POINT TO BE INSTALLED. REQUIRES CABLING AND COMPONENTS PER SPECIFICATIONS & DETAILS.
- 4 SURVEILLANCE CAMERA. REQUIRES CABLING & COMPONENTS PER SPECIFICATIONS & DETAILS.

Main Building - SEDM 57-23-01-04-0-01-031, Toilet Room Facility - SEDM 57-23-01-04-0-01-031, Digital with storage - SEDM 57-23-01-04-0-01-001, Auxiliary Building - SEDM 57-23-01-04-0-02-012, Agricultural Building - SEDM 57-23-01-04-0-00412

TECHNOLOGY PLAN
 2025 CAPITAL IMPROVEMENT PROJECT
 PRATTSBURGH CENTRAL SCHOOL DISTRICT
 1 ACADEMY STREET, PRATTSBURGH NY
 PROJECT NO: 2716-043

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-265-1000 ROCKY HILLS, NY 562-237-7500 TOYAHVALLE, PA 570-265-4668
 BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-1801
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0018250 PA CERTIFICATE NO. TSC22020131464-1

#	DATE	DESCRIPTION OF REVISION	DRAWN BY:	CSH
1	02/08/2025	ISSUED FOR BID	CHECKED BY:	JLS
2	02/08/2025	ADDITION #2	DATE:	12/18/2025
			PHASE:	CD

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS DRAWN BY LICENSED ENGINEERS, ARCHITECTS OR SURVEYORS.

LIGHT FIXTURE SCHEDULE										
TYPE	LOCATION	FIXTURE DESCRIPTION	MANUFACTURER/CATALOG NO.	ALTERNATE MANUFACTURER	LAMP INFO	NOMINAL LUMENS	CONTROL TYPE	VOLTAGE	FIXTURE WATTAGE	NOTES
C1	TOILET RM. FACILITY / AG	2X2 RECESSED ARCHITECTURAL DIMMABLE FOOD SAFE TROFFER FIXTURE HOUSING TO BE NOMINALLY 20W X 4" FIXTURE TO BE EQUIPPED WITH STAINLESS STEEL HOUSING, GASKETED NSF RATED ACCESS DOOR, AND PRISMATIC ACRYLIC LENS. FIXTURE TO BE NSF RATED AND SUITABLE FOR FOOD PREP LOCATION.	KURTZON IKL-R-3-2X2-2-LED-R-935-UNV-P12ACR	COOPER KIRLIN KENALL	LED 3500K 9V CRI	3165 LM	0-10V	UNIV.	29 W	1,6,7
EM	TOILET RM. FACILITY / AG	WALL MOUNTED EMERGENCY LIGHT	NICOR 1-10-UNIV-WH	CHLORIDE	-	-	-	UNIV.	W	

LIGHT FIXTURE SCHEDULE NOTES:

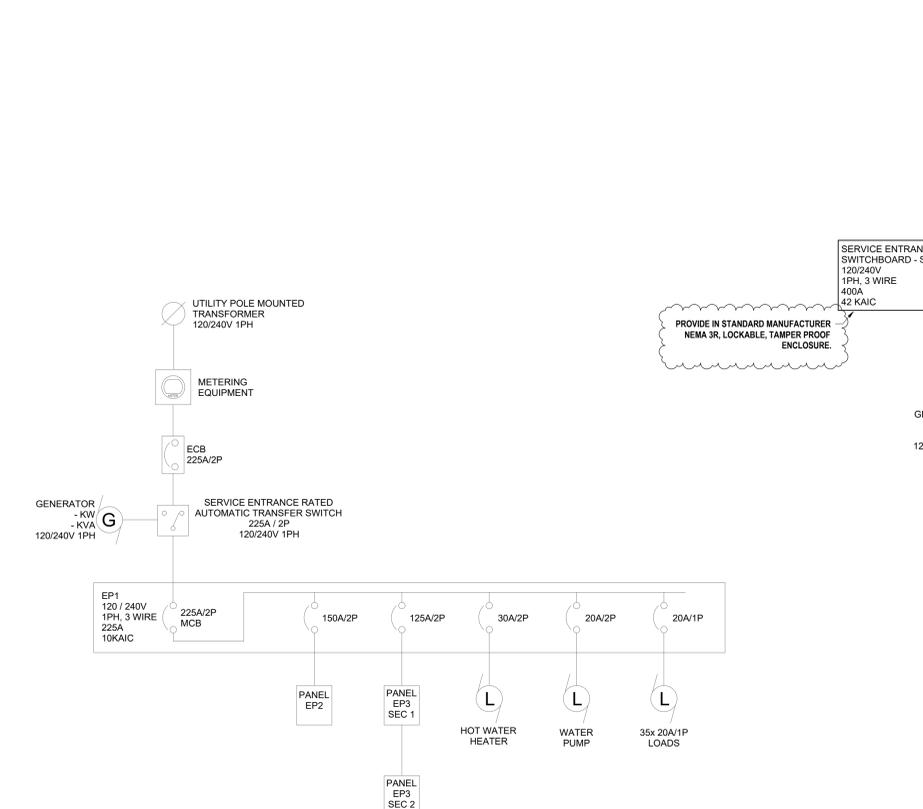
1. FIXTURE TO BE SUITABLE FOR MOUNTING WITHIN ACT CEILING CONDITION
2. FIXTURE TO BE SUITABLE FOR MOUNTING WITHIN GYB CEILING CONDITION
3. CONTRACTOR TO COORDINATE FIXTURE MOUNTING WITH APPROVED CEILING SHOP DRAWINGS, FIELD CONDITIONS, AND MANUFACTURER'S RECOMMENDATIONS
4. FIXTURE TO HAVE REMOTE DRIVER/POWER SUPPLY. CONTRACTOR TO COORDINATE REMOTE DRIVER LOCATIONS WITH ARCHITECTURAL DRAWINGS, FIELD CONDITIONS, AND MANUFACTURER'S RECOMMENDATIONS
5. CONTRACTOR TO COORDINATE FIXTURE RUN LENGTH WITH ELECTRICAL LIGHTING DRAWINGS AND FIELD CONDITIONS
6. WHERE NO LARGE SCALE EMERGENCY POWER SYSTEM EXISTS (GENERATOR/INVERTER), FIXTURES LABELED "EM" SHALL RECEIVE A 90 MINUTE BACKUP BATTERY WITH APPROPRIATE UL924 RATED TRANSFER DEVICE
7. WHERE NO LARGE SCALE EMERGENCY POWER SYSTEM EXISTS (GENERATOR/INVERTER), FIXTURES LABELED "EMNL" SHALL BE CIRCUITED UNSWITCHED TO LIGHTING BRANCH CIRCUIT HOMERUN SERVING THE SPACE AND INCLUDE A 90 MINUTE BACKUP BATTERY WITH APPROPRIATE UL924 RATED TRANSFER DEVICE.

FEEDER SCHEDULE		
NAME	DESCRIPTION	MAX. AMPERAGE ASSUMES NO VOLTAGE DROP
F1	(4-SETS) 4-#600, 4°C.	1600 *
F2	(2-SETS) 4-#40, 4°C.	400 *
F3	(2-SETS) 4-#600, 1-#1/0G, 3 1/2°C.	800
F4	(2-SETS) 4-#40, 1-#4G, 3°C	225
F5	4-#600, 1-#3G, 4°C.	400
F6	4-#4/0, 1-#4G, 2 1/2°C	225
F7	4-#3/0, 1-#6G, 2 1/2°C	200
F8	4-#2/0, 1-#6G, 2°C	175
F9	4-#1/0, 1-#6G, 2°C	150
F10	4-#1/0, 1-#6G, 2°C	125
F11	4-#1, 1-#6G, 1 1/2°C	100
F12	4-#4, 1-#10G, 1 1/4°C	60

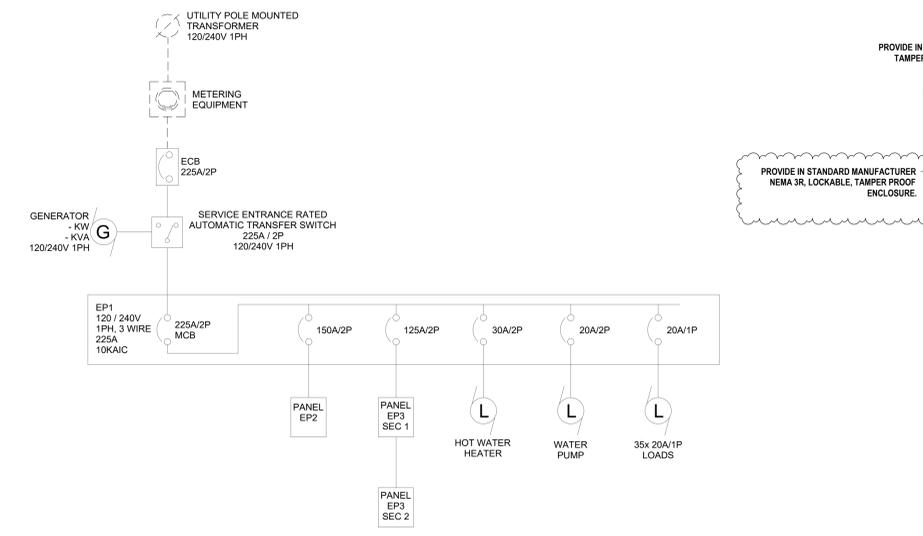
- * SERVICE ENTRANCE FEEDER WITH NO GROUND.
- EQUIPMENT GROUNDING SHOWN IN SCHEDULE. GROUNDING JUMPER TO MEET OR EXCEED BASED ON NEC.

FEEDER SCHEDULE		
NAME	DESCRIPTION	MAX. AMPERAGE ASSUMES NO VOLTAGE DROP
F1	(4-SETS) 4-#600, 4°C.	1600 *
F2	(2-SETS) 3-#4/0, 4°C.	400 *
F3	(2-SETS) 4-#600, 1-#1/0G, 3 1/2°C.	800
F4	(2-SETS) 3-#4/0, 1-#4G, 4°C	225
F5	4-#600, 1-#3G, 4°C.	400
F6	3-#4/0, 1-#4G, 2 1/2°C	225
F7	4-#3/0, 1-#6G, 2 1/2°C	200
F8	4-#2/0, 1-#6G, 2°C	175
F9	4-#1/0, 1-#6G, 2°C	150
F10	4-#1/0, 1-#6G, 2°C	125
F11	4-#1, 1-#6G, 1 1/2°C	100
F12	4-#4, 1-#10G, 1 1/4°C	60

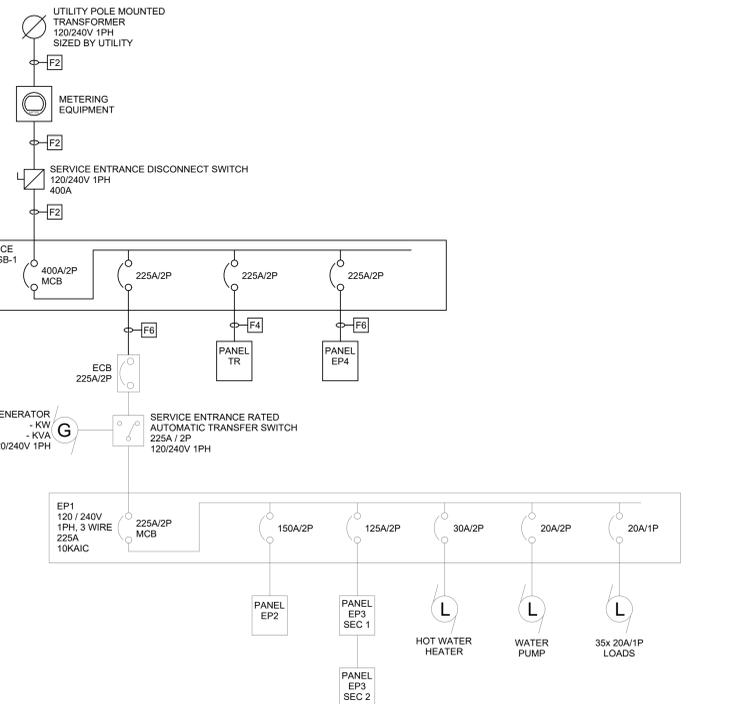
- * SERVICE ENTRANCE FEEDER WITH NO GROUND. REFER TO GROUND GRID DETAIL.
- EQUIPMENT GROUNDING SHOWN IN SCHEDULE. GROUNDING JUMPER TO MEET OR EXCEED BASED ON NEC.



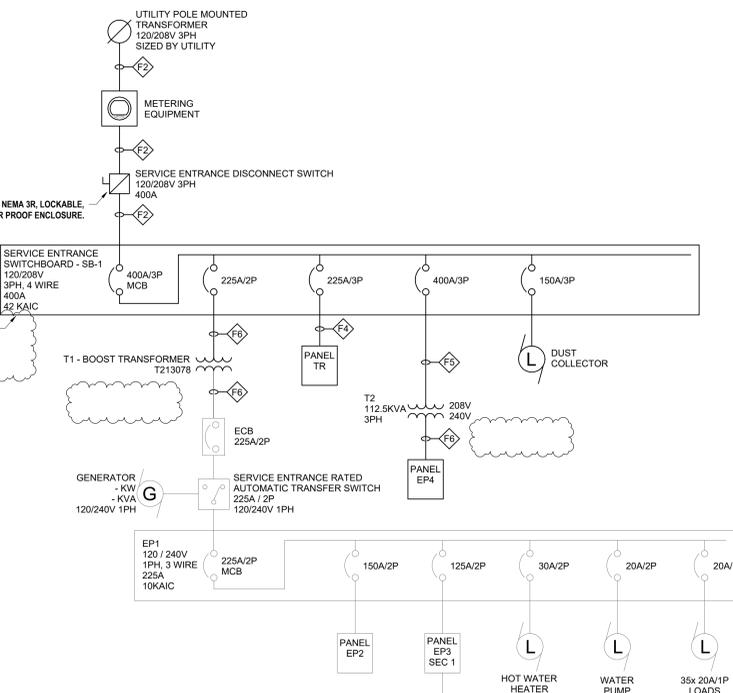
1 EXISTING ONE-LINE DIAGRAM
N. T. S.



2 ONE-LINE DIAGRAM - DEMOLITION
N. T. S.



3 ONE-LINE DIAGRAM - BASE-BID
N. T. S.



4 ONE-LINE DIAGRAM - ALTERNATE #2
N. T. S.

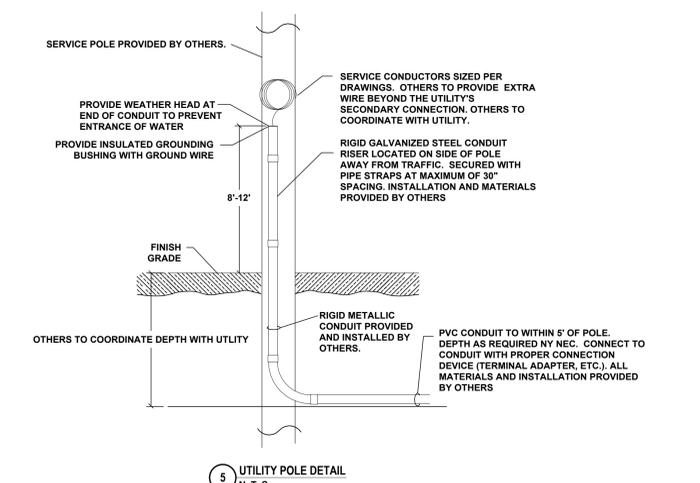
ALTERNATE #2

Branch Panel: EP-4										
Location: SHOP			Volts: 120/240V			A.I.C. Rating: 10 KAIC				
Supply From: SB-1			Phases: 3			Mains Type: MCB				
Mounting: SURFACE			Wires: 4			Mains Rating: 225 A				
Enclosure: TYPE 1						MCB Rating: 225 A				
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	SPARE	30 A	3				3	30 A	SPARE	2
3	--	--	--				--	--	--	4
5	--	--	--				--	--	--	6
7	WOOD CNC	20 A	2				2	30 A	SPARE	8
9	--	--	--				--	--	--	10
11	SPARE	20 A	1				1	20 A	LASER ENGRAVER	12
13	SPARE	20 A	1				1	20 A	SPARE	14
15	SPARE	20 A	1				1	20 A	SPARE	16
17	SPARE	20 A	1				1	20 A	SPARE	18
19	SPARE	20 A	1				1	20 A	SPARE	20
21	BLA NK	--	1				1	--	BLA NK	22
23	BLA NK	--	1				1	--	BLA NK	24
25	BLA NK	--	1				1	--	BLA NK	26
27	BLA NK	--	1				1	--	BLA NK	28
29	BLA NK	--	1				1	--	BLA NK	30
31	BLA NK	--	1				1	--	BLA NK	32
33	BLA NK	--	1				1	--	BLA NK	34
35	BLA NK	--	1				1	--	BLA NK	36
37	BLA NK	--	1				1	--	BLA NK	38
39	BLA NK	--	1				1	--	BLA NK	40
41	BLA NK	--	1				1	--	BLA NK	42

Notes:

Branch Panel: EP-4										
Location: SHOP			Volts: 120/240V			A.I.C. Rating: 10 KAIC				
Supply From: SB-1			Phases: 1			Mains Type: MCB				
Mounting: SURFACE			Wires: 3			Mains Rating: 225 A				
Enclosure: TYPE 1						MCB Rating: 225 A				
CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	WOOD CNC	30 A	2				2	30 A	SPARE	2
3	--	--	--				--	--	--	4
5	SPARE	20 A	2				2	20 A	SPARE	6
7	--	--	--				--	--	--	8
9	SPARE	20 A	2				2	20 A	SPARE	10
11	--	--	--				--	--	--	12
13	SPARE	20 A	1				1	20 A	LASER ENGRAVER	14
15	SPARE	20 A	1				1	20 A	SPARE	16
17	SPARE	20 A	1				1	20 A	SPARE	18
19	SPARE	20 A	1				1	20 A	SPARE	20
21	BLANK	--	1				1	--	BLANK	22
23	BLANK	--	1				1	--	BLANK	24
25	BLANK	--	1				1	--	BLANK	26
27	BLANK	--	1				1	--	BLANK	28
29	BLANK	--	1				1	--	BLANK	30
31	BLANK	--	1				1	--	BLANK	32
33	BLANK	--	1				1	--	BLANK	34
35	BLANK	--	1				1	--	BLANK	36
37	BLANK	--	1				1	--	BLANK	38
39	BLANK	--	1				1	--	BLANK	40
41	BLANK	--	1				1	--	BLANK	42

Notes:



5 UTILITY POLE DETAIL
N. T. S.

DRAWN BY: JXT
 CHECKED BY: TAWO
 DATE: 12/18/2025
 PHASE: CD

DESCRIPTION OF REVISION:
 1 12/08/2025 ISSUED FOR BID

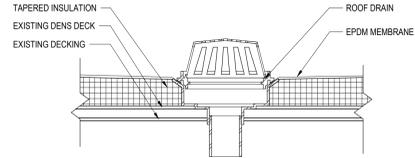
DATE: 1 12/08/2025

IT IS A VIOLATION OF THE LAW FOR ANY PERSON TO MAKE UNAUTHORIZED ALTERATIONS OR ADDITIONS TO PLANS DRAWING, CALCULATIONS, SPECIFICATIONS, INSTRUMENTS OR SURVEY DATA.

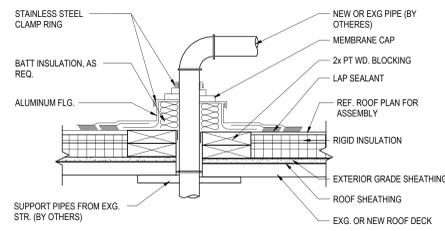
HUNT ENGINEERS | ARCHITECTS | SURVEYORS
 HORSEHEADS, NY 607-458-1058 P.O. BOX 1058 P.O. BOX 7658 TOWANDA, PA 570-265-4668
 BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8881
 WWW.HUNTEAS.COM
 NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC220313464-1

AG-E3.1
 PROJECT NO: 2716-043

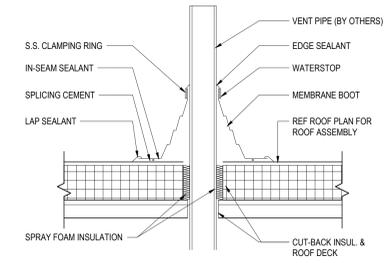
DETAILS AND SCHEDULES
 2025 CAPITAL IMPROVEMENT PROJECT
 PRATTSBURGH CENTRAL SCHOOL DISTRICT
 PRATTSBURGH, NEW YORK



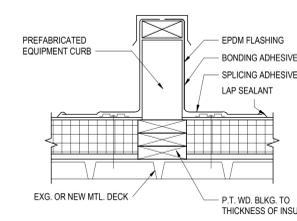
10 SECTION DETAIL - ROOF DRAIN
1 1/2" = 1'-0"



9 SECTION DETAIL - ELECTRICAL CONDUIT
1 1/2" = 1'-0"



8 SECTION DETAIL - VENT PIPING
1 1/2" = 1'-0"



7 TYPICAL EQUIPMENT CURB
1 1/2" = 1'-0"

GENERAL ROOF NOTES:

- A THE CONTRACTOR SHALL PROTECT EXISTING CONSTRUCTION TO REMAIN. ALL EXISTING ROOFING SYSTEMS DAMAGED DURING THE COURSE OF CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- B A TAPERED INSULATION SHOP DRAWING SUBMISSION IS REQUIRED TO IDENTIFY INSULATION LAYOUT, DRAINAGE PATTERN, SLOPE AND MINIMUM R" VALUE.
- C PROVIDE ALL MATERIALS TO MAKE SMOOTH TRANSITIONS AT ROOF EDGES AND INTERSECTIONS.
- D PROVIDE FLASHING AT ALL PENETRATIONS.
- E PROVIDE ADDITIONAL BLOCKING AT ALL ROOF PENETRATIONS WHERE REQUIRED TO PROVIDE A MINIMUM CURB HEIGHT OF 12" ABOVE THE FINISHED ROOF SURFACE.
- F PROVIDE ALL ROOF OPENINGS REQUIRED FOR ALL PENETRATIONS, COORDINATE WITH ALL OTHER CONTRACTED WORK FOR EXACT SIZE AND LOCATION.
- G PREVENT DIRT AND ROOFING DEBRIS FROM ENTERING THE ROOF DRAINS AND DRAIN LINES (LEADERS) DURING CONSTRUCTION. THE CONTRACTOR SHALL SNAKE DRAIN LINES AT COMPLETION OF WORK IN THE PRESENCE OF THE OWNER'S REPRESENTATIVE.
- H IF EXISTING ROOF DECK OR STRUCTURAL SYSTEM DAMAGE IS SUSPECTED OR EXPOSED DURING THE COURSE OF CONSTRUCTION, NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY.

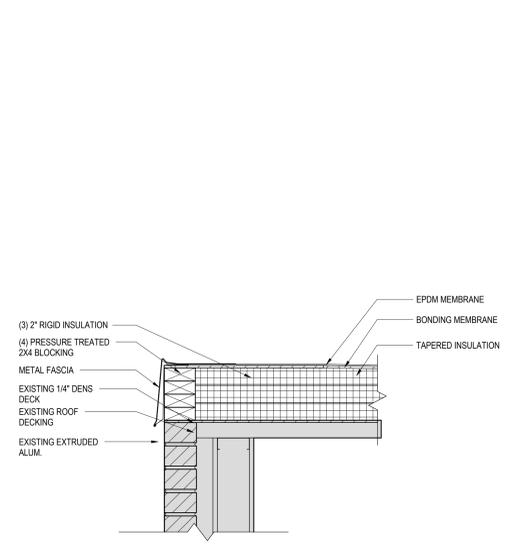
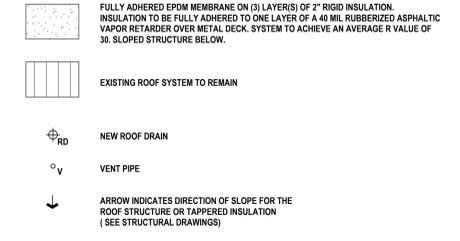
ROOF DRAWING NOTES:

- 1 PROVIDE NEW PRESSURE TREATED BLOCKING AND EDGE METAL/COPING SIMILAR CONFG.
- 2 NEW ROOF MEMBRANE. REFER TO ROOF LEGEND FOR ROOFING DETAILS. VERIFY EXISTING ROOF SLOPE IN FIELD.
- 3 RECONNECT MECHANICAL EQUIPMENT ON CURB AFTER NEW ROOFING INSTALLED.
- 4 MODIFY ROOF DRAIN PIPING TO CLEAR NEW ROOFING WORK. REINSTALL AND RECONNECTED ROOF DRAIN.
- 5 RAISE REFRIGERANT LINE TO CLEAR NEW ROOFING WORK. PROVIDE AND INSTALL NEW PIPE BLOCKS ON TOP OF NEW ROOFING.
- 6 RECONNECT ROOF VENT EXTEND IF NECESSARY TO CLEAR NEW ROOFING WORK.
- 7 PROVIDE AND EXTEND CONDUIT FOR POWER LINE SERVICE. ENSURE WEATHERHEAD IS INSTALLED ABOVE NEW ROOFING WORK.

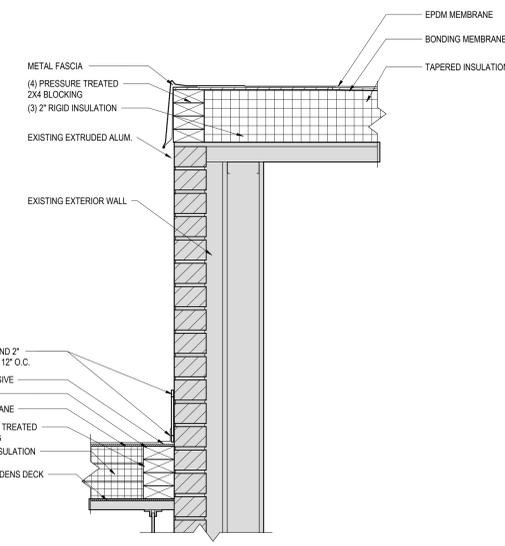
DEMOLITION NOTES:

- D1 ROOFING TO BE REMOVED IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO MEMBRANE, COVERBOARD, INSULATION, UNDERLAYMENT BOARD AND VAPOR BARRIER. COORDINATE EXTENTS WITH NEW WORK. PREPARE FOR NEW ROOFING.
- D2 REMOVE EXISTING METAL ROOF EDGE, BLOCKING, ETC. IN ITS ENTIRETY. PREPARE FOR NEW ROOFING MECHANICAL EQUIPMENT TO BE REMOVED BY OTHER CONTRACTED WORK. PATCH ROOF TO MATCH THE EXISTING ASSEMBLY. PATCH AND MEMBRANE TIE IN SHALL NOT VOID THE WARRANTY OF THE EXISTING ROOF.
- D4 DISCONNECT EXISTING REFRIGERANT LINE, REMOVE RAIL AND BLOCKING. REINSTALL / MODIFY LINE AFTER NEW ROOFING INSTALLED.
- D5 PLUMBING EQUIPMENT, VENTS, ROOF DRAINS, ETC. TO BE DISCONNECTED, RECONNECT AND TIE IN TO NEW ROOFING MEMBRANE.
- D6 DISCONNECT ELECTRICAL SERVICE AND REMOVE POWERLINE WEATHERHEAD CONDUIT. PREPARE FOR NEW ROOFING WORK.

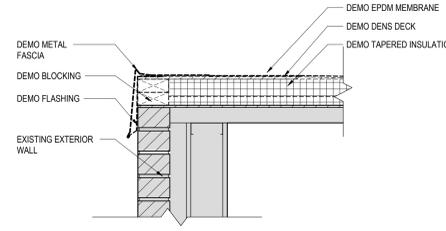
ROOF LEGEND:



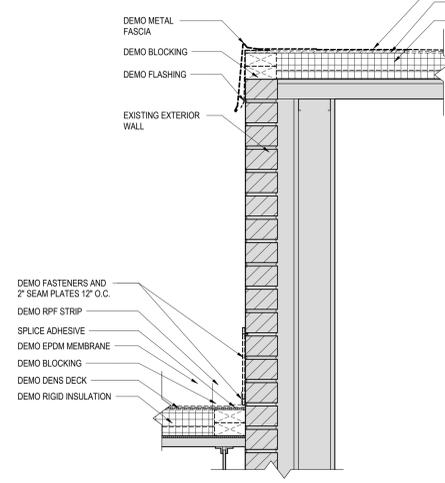
6 ROOF EDGE @ EXTERIOR WALL
1 1/2" = 1'-0"



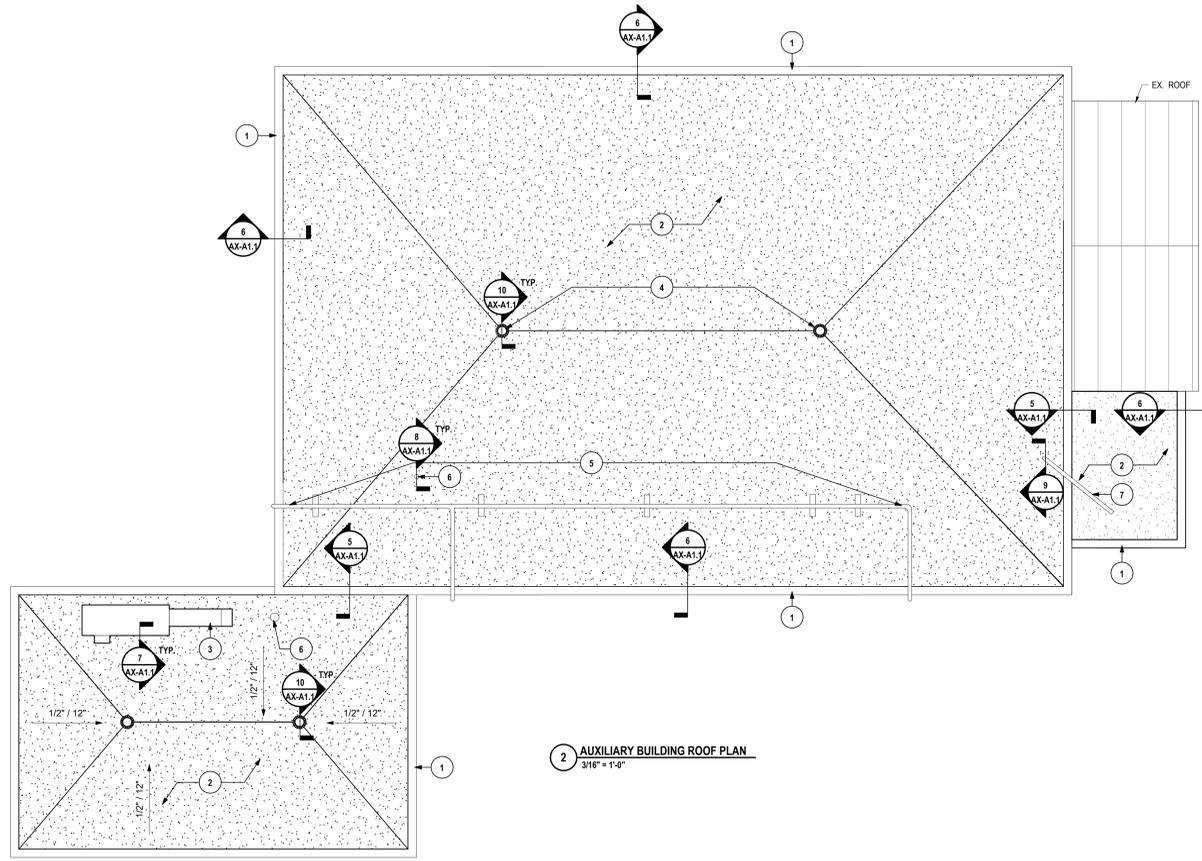
5 ROOF EDGE @ ROOF LEVELS
1 1/2" = 1'-0"



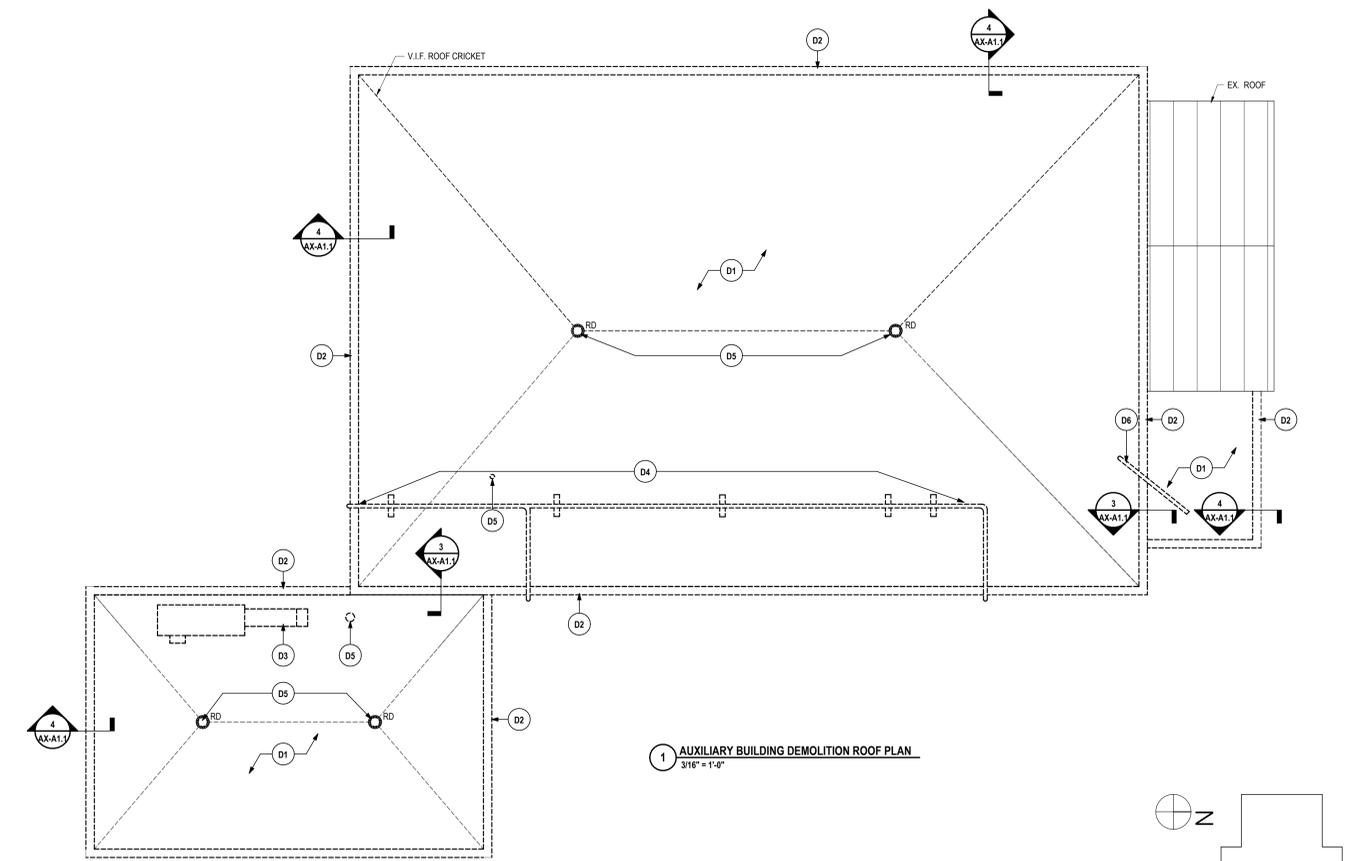
4 DEMOLITION ROOF EDGE DETAIL
1 1/2" = 1'-0"



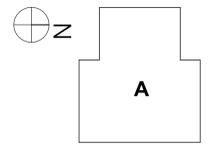
3 DEMOLITION ROOF EDGE - ROOF LEVELS
1 1/2" = 1'-0"



2 AUXILIARY BUILDING ROOF PLAN
3/16" = 1'-0"



1 AUXILIARY BUILDING DEMOLITION ROOF PLAN
3/16" = 1'-0"



Main Building - SED# 57-23-01-04-0-01-031, Dugene with storage - SED# 57-23-01-04-0-02-012, Auxiliary Building - SED# 57-23-01-04-0-02-012, Agricultural Building - SED# 57-23-01-04-0-02-012, Tolar Room Facility - SED# 57-23-01-04-0-02-012

AUXILIARY ROOF PLANS
2025 CAPITAL IMPROVEMENT PROJECT
PRATTSBURGH CENTRAL SCHOOL DISTRICT
1 ACADEMY ST. PRATTSBURGH NY

AX-A1.1
PROJECT NO: 2716-043

HUNT ENGINEERS | ARCHITECTS | SURVEYORS
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BINGHAMTON, NY 607-798-8881 ALBANY, NY 607-798-8881 WWW.HUNTEAS.COM
NY CERTIFICATE NO. 0016250 PA CERTIFICATE NO. TSC22020131464-1

DATE:	12/18/2025	TSK
ISSUED FOR BID:	12/18/2025	JDC
DESCRIPTION OF REVISION:	ADDITION #1	CP
# DATE:	1 12/18/2025	
2 12/18/2025		

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