ADDENDUM NO. 01

February 9, 2026

Edwardsburg Public Schools – Middle School and High School Mechanical Upgrades

Middle School
69230 Section Street
Edwardsburg, MI 49112

High School
69358 Section Street
Edwardsburg, MI 49112

TO: ALL BIDDERS OF RECORD

This Addendum forms a part of and modifies the Bidding Requirements, Contract Forms, Contract Conditions, the Specifications and the Drawings dated January 16, 2026, by TowerPinkster. Acknowledge receipt of the Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of Pages ADD 2-1 through ADD 2-2, and TowerPinkster Middle School Mechanical Upgrades, consisting on 37 pages, and TowerPinkster High School Mechanical Upgrades, consisting of 9 pages.

TowerPinkster
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ADDENDUM NO. 2

DATE OF ISSUANCE: **February 6, 2026**

PROJECT: **Edwardsburg Middle School – Mechanical Upgrades**
69410 Section St.
Edwardsburg, MI 49112

OWNER: **Edwardsburg Public Schools**

ARCHITECT'S PROJECT NO.: 21-201.041

ORIGINAL BID ISSUE DATE: January 16, 2026

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

DOCUMENTS INCLUDED IN THIS ADDENDUM
This Addendum includes **2** pages of text and the following documents:

- Bidding Documents: **None**
- Contract Conditions: **None**
- Specification Sections: **08 7100**
- Drawings: **G 001, AD 101, AD 201, A 101, A 201, A 321, M 101, M 101A, M 101B, M 101C, M 101D, ED 201A, ED 201B, ED 201C, ED 201D, E 201A, E 201B, E 201C, E 201D, E 420**

CHANGES TO PREVIOUSLY ISSUED ADDENDA

None.

CHANGES TO BIDDING REQUIREMENTS

None.

CHANGES TO CONTRACT CONDITIONS

None.

CHANGES TO SPECIFICATIONS

ADD-2 Item No. S-1 - 08 7100 Door Hardware
Providing new specification 08 7100 Door Hardware.

CHANGES TO DRAWINGS

ADD-2 Item No. D-1 - Update Alternates
G 001 – Removed alternate 01 from the drawings. This is now base bid.

ADD-2 Item No. D-2 - Added Electrical Sheets
G 001 – On the cover sheet added ED 201A, ED 201B, ED 201C, ED 201D, E 201A, E 201B, E 201C, E 201D, and E 420 to the drawing index.

ED 201A, ED 201B, ED 201C, and ED 201D – Added lighting and lighting controls demolition drawings.

E 201A, E 201B, E 201C, and E 201D – Added new lighting drawings.

E 420 – Added new lighting schedules, details, and controls drawing.

ADD-2 Item No. D-3 - New doors and hardware
AD 101, A 101, and A 321 - In boiler room, C111, showing door demolition and replacement and new hardware for an existing door. Added some frame details, elevations and door panel elevations.

ADD-2 Item No. D-4 - Ceiling Demolition
AD 201 – Updated keynotes for ceiling to reflect the work that is to be provided as base bid rather than an alternate. Added keynotes to rooms A115, A106, A107, A290A, B101, B102, and B109.

ADD-2 Item No. D-5 - New Ceilings
A 201 – Updated keynotes for ceiling to reflect the work that is to be provided as base bid rather than an alternate. Revised ceilings to rooms A115, A106, A107, A290A, B101, B102, and B109.
M 101, M 101A, M 101B, and M 101D – Updated diffusers & grille location based revised ceiling grids.

ADD-2 Item No. D-6 - Temperature Sensor
M 101C – Added temperature sensor with walk-in freezer and cooler.

END OF ADDENDUM.

SECTION 08 7100 – DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes:

1. Mechanical door hardware.
2. Field verification, preparation and modification of existing doors and frames to receive new door hardware.

B. Section excludes:

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

C. Related Sections:

1. Division 01 “General Requirements” sections for Allowances, Alternates, Owner Furnished Contractor Installed, Project Management and Coordination.
2. Division 06 Section “Rough Carpentry”
3. Division 06 Section "Finish Carpentry”
4. Division 07 Section “Joint Sealants” for sealant requirements applicable to threshold installation specified in this section.
5. Division 08 Sections:
   a. “Metal Doors and Frames”
   b. “Flush Wood Doors”
   c. “Stile and Rail Wood Doors”
6. Division 09 sections for touchup, finishing or refinishing of existing openings modified by this section.

1.2 REFERENCES

A. UL, LLC

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

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware

3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.3 SUBMITTALS

A. General:

1. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.
2. Prior to forwarding submittal:
   a. Comply with procedures for verifying existing door and frame compatibility for new hardware, as specified in PART 3, “EXAMINATION” article, herein.
   b. Review drawings and Sections from related trades to verify compatibility with specified hardware.
   c. Highlight, encircle, or otherwise specifically identify on submittals: deviations from Contract Documents, issues of incompatibility or other issues which may detrimentally affect the Work.

B. Action Submittals:

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Samples for Verification: If requested by Architect, submit production sample of requested door hardware unit in finish indicated and tagged with full description for coordination with schedule.
   a. Samples will be returned to supplier. Units that are acceptable to Architect may, after final check of operations, be incorporated into Work, within limitations of key coordination requirements.

3. Door Hardware Schedule:
   a. Submit concurrent with submissions of Product Data, Samples, and Shop Drawings. Coordinate submission of door hardware schedule with scheduling requirements of other work to facilitate fabrication of other work critical in Project construction schedule.

b. Submit under direct supervision of a Door Hardware Institute (DHI) certified Architectural Hardware Consultant (AHC) or Door Hardware Consultant (DHC) with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI.
c. Indicate complete designations of each item required for each opening, include:
   1) Door Index: door number, heading number, and Architect's hardware set number.
   2) Quantity, type, style, function, size, and finish of each hardware item.
   3) Name and manufacturer of each item.
   4) Fastenings and other pertinent information.
   5) Location of each hardware set cross-referenced to indications on Drawings.
   6) Explanation of all abbreviations, symbols, and codes contained in schedule.
   7) Mounting locations for hardware.
   8) Door and frame sizes and materials.
   9) Degree of door swing and handing.

4. Key Schedule:
   a. After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled.
   b. Use ANSI/BHMA A156.28 "Recommended Practices for Keying Systems" as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
   c. Provide 3 copies of keying schedule for review prepared and detailed in accordance with referenced DHI publication. Include schematic keying diagram and index each key to unique door designations.
   d. Index keying schedule by door number, keyset, hardware heading number, cross keying instructions, and special key stamping instructions.
   e. Provide one complete bitting list of key cuts and one key system schematic illustrating system usage and expansion. Forward bitting list, key cuts and key system schematic directly to Owner, by means as directed by Owner.
   f. Prepare key schedule by or under supervision of supplier, detailing Owner's final keying instructions for locks.

C. Informational Submittals:

1. Provide Qualification Data for Supplier, Installer and Architectural Hardware Consultant.
2. Provide Product Data:
   a. Certify that door hardware approved for use on types and sizes of labeled fire-rated doors complies with listed fire-rated door assemblies.
   b. Include warranties for specified door hardware.

D. Closeout Submittals:

1. Operations and Maintenance Data: Provide in accordance with Division 01 and include:
   a. Complete information on care, maintenance, and adjustment; data on repair and replacement parts, and information on preservation of finishes.
   b. Catalog pages for each product.
   c. Final approved hardware schedule edited to reflect conditions as installed.
   d. Final keying schedule
   e. Copy of warranties including appropriate reference numbers for manufacturers to identify project.

E. Inspection and Testing:

1. Submit written reports to the Owner and Authority Having Jurisdiction (AHJ) of the results of functional testing and inspection for:
   a. fire door assemblies, in compliance with NFPA 80.
   b. required egress door assemblies, in compliance with NFPA 101.

1.4 QUALITY ASSURANCE

A. Qualifications and Responsibilities:

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

4. Single Source Responsibility: Obtain each type of door hardware from single manufacturer.

B. Certifications:

1. Fire-Rated Door Openings:
   a. Provide door hardware for fire-rated openings that complies with NFPA 80 and requirements of authorities having jurisdiction.
   b. Provide only items of door hardware that are listed products tested by UL LLC, Intertek Testing Services, or other testing and inspecting organizations acceptable to authorities having jurisdiction for use on types and sizes of doors indicated, based on testing at positive pressure and according to NFPA 252 or UL 10C and in compliance with requirements of fire-rated door and door frame labels.

2. Smoke and Draft Control Door Assemblies:
   a. Provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105
   b. Comply with the maximum air leakage of 0.3 cfm/sq. ft. (3 cu. m per minute/sq. m) at tested pressure differential of 0.3-inch wg (75 Pa) of water.

3. Accessibility Requirements:
   a. Comply with governing accessibility regulations cited in "REFERENCES" article 08 7100, 1.02.D3 herein for door hardware on doors in an accessible route. This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.

C. Pre-Installation Meetings

1. Keying Conference
   a. Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:
      1) Function of building, flow of traffic, purpose of each area, degree of security required, and plans for future expansion.
      2) Preliminary key system schematic diagram.
      3) Requirements for key control system.
      4) Address for delivery of keys.

2. Pre-installation Conference
   a. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
   b. Inspect and discuss preparatory work performed by other trades.
   c. Review required testing, inspecting, and certifying procedures.
   d. Review questions or concerns related to proper installation and adjustment of door hardware.

D. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping.

E. Tag each item or package separately with identification coordinated with final door hardware schedule, and include installation instructions, templates, and necessary fasteners with each item or package. Deliver each article of hardware in manufacturer’s original packaging.

F. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.

G. Provide secure lock-up for door hardware delivered to Project. Control handling and installation of hardware items so that completion of Work will not be delayed by hardware losses both before and after installation.

H. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint, solvent, cleanser, or any chemical agent.

I. Deliver keys to manufacturer of key control system for subsequent delivery to Owner.

1.5 COORDINATION

A. Coordinate layout and installation of floor-recessed door hardware with floor construction. Cast anchoring inserts into concrete.

B. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

C. Security: Coordinate installation of door hardware and keying with Owner's security consultant.

D. Existing Openings: Where existing doors, frames and/or hardware are to remain, field verify existing functions, conditions and preparations and coordinate to suit opening conditions and to provide proper door operation.

1.6 WARRANTY

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

1. Warranty does not cover damage or faulty operation due to improper installation, improper use or abuse.
2. Warranty Period: Beginning from date of Substantial Completion, for durations indicated in manufacturer's published listings.

a. Mechanical Warranty
1) Exit Devices
a) Von Duprin: 10 years
2) Closers
a) LCN 4000 Series: 30 years

1.7 MAINTENANCE

A. Furnish complete set of special tools required for maintenance and adjustment of hardware, including changing of cylinders.

B. Turn over unused materials to Owner for maintenance purposes.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. The Owner requires use of certain products for their unique characteristics and project suitability to ensure continuity of existing and future performance and maintenance standards. After investigating available product offerings, the Awarding Authority has elected to prepare proprietary specifications. These products are specified with the notation: "No Substitute."

1. Where "No Substitute" is noted, submittals and substitution requests for other products will not be considered.

B. Approval of alternate manufacturers and/or products other than those listed as "Scheduled Manufacturer" or "Acceptable Manufacturers" in the individual article for the product category are only to be considered by official substitution request in accordance in section 01 2500.

C. Approval of products from manufacturers indicated in "Acceptable Manufacturers" is contingent upon those products providing all functions and features and meeting all requirements of scheduled manufacturer's product.

D. Where specified hardware is not adaptable to finished shape or size of members requiring hardware, furnish suitable types having same operation and quality as type specified, subject to Architect's approval.

2.2 MATERIALS

A. Fabrication

1. Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. provide screws according to manufacturer's recognized installation standards for application intended.
2. Finish exposed screws to match hardware finish, or, if exposed in surfaces of other work, to match finish of this other work including prepared for paint surfaces to receive painted finish.
3. Provide concealed fasteners wherever possible for hardware units exposed when door is closed. Coordinate with "Metal Doors and Frames", "Flush Wood Doors", "Stile and Rail Wood Doors" to ensure proper reinforcements. Advise the Architect where visible fasteners, such as thru bolts, are required.

B. Modification and Preparation of Existing Doors: Where existing door hardware is indicated to be removed and reinstalled.

1. Provide necessary fillers, Dutchmen, reinforcements, and fasteners, compatible with existing materials, as required for mounting new opening hardware and to cover existing door and frame preparations.
2. Use materials which match materials of adjacent modified areas.
3. When modifying existing fire-rated openings, provide materials permitted by NFPA 80 as required to maintain fire-rating.

C. Provide screws, bolts, expansion shields, drop plates and other devices necessary for hardware installation.

1. Where fasteners are exposed to view: Finish to match adjacent door hardware material.

2.3 HINGES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:

   a. Ives 5BB series

2. Acceptable Manufacturers and Products:
   a. McKinney TB series
   b. Best FBB series

B. Requirements:

1. Provide hinges conforming to ANSI/BHMA A156.1.
2. Provide five knuckle, ball bearing hinges.
3. 1-3/4 inch thick doors, up to and including 36 inches wide:
   a. Exterior: Standard weight, bronze or stainless steel, 4-1/2 inches high

b. Interior: Standard weight, steel, 4-1/2 inches high

4. 1-3/4 inch thick doors over 36 inches wide:
   a. Exterior: Heavy weight, bronze/stainless steel, 5 inches high
   b. Interior: Heavy weight, steel, 5 inches high

5. 2 inches or thicker doors:
   a. Exterior: Heavy weight, bronze or stainless steel, 5 inches high
   b. Interior: Heavy weight, steel, 5 inches high

6. Adjust hinge width for door, frame, and wall conditions to allow proper degree of opening.
7. Provide three hinges per door leaf for doors 90 inches or less in height, and one additional hinge for each 30 inches of additional door height.
8. Where new hinges are specified for existing doors or existing frames, provide new hinges of identical size to hinge preparation present in existing door or existing frame.
9. Hinge Pins: Except as otherwise indicated, provide hinge pins as follows:
   a. Steel Hinges: Steel pins
   b. Non-Ferrous Hinges: Stainless steel pins
   c. Out-Swinging Exterior Doors: Non-removable pins
   d. Out-Swinging Interior Lockable Doors: Non-removable pins
   e. Interior Non-lockable Doors: Non-rising pins

2.4 EXIT DEVICES

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. Von Duprin **98/35A series**

2. Acceptable Manufacturers and Products:
   a. Precision APEX 2000 series
   b. Sargent 19-43-GL-80 series

B. Requirements:

1. Provide exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware.
2. Cylinders: Refer to “KEYING” article, herein.
3. Provide smooth touchpad type exit devices, fabricated of brass, bronze, stainless steel, or aluminum, plated to standard architectural finishes to match balance of door hardware.
4. Touchpad must extend a minimum of one half of door width. No plastic inserts are allowed in touchpads.
5. Provide exit devices with deadlatching feature for security and for future addition of alarm kits and/or other electrified requirements.
6. Provide exit devices with weather resistant components that can withstand harsh conditions of various climates and corrosive cleaners used in outdoor pool environments.
7. Provide flush end caps for exit devices.
8. Provide exit devices with manufacturer’s approved strikes.
9. Provide exit devices cut to door width and height. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect.

10. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Where glass trim or molding projects off face of door, provide glass bead kits.
11. Provide cylinder or hex-key dogging as specified at non fire-rated openings.
12. Removable Mullions: 2 inches x 3 inches steel tube. Where scheduled as keyed removable mullion, provide type that can be removed by use of a keyed cylinder, which is self-locking when re-installed.
13. Provide factory drilled weep holes for exit devices used in full exterior application, highly corrosive areas, and where noted in hardware sets.
14. Provide electrified options as scheduled.
15. Top latch mounting: double- or single-tab mount for steel doors, face mount for aluminum doors eliminating requirement of tabs, and double tab mount for wood doors.
16. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

2.5 CYLINDERS

A. Manufacturers:

1. Scheduled Manufacturer and Product:
a. **Ilco Kaba Peaks Plus**

2. Acceptable Manufacturers and Products:

a. No Substitute

B. Requirements:

1. Provide **interchangeable** cylinders/cores to match Owner's existing key system, compliant with ANSI/BHMA A156.5; latest revision; cylinder face finished to match lockset, manufacturer's series as indicated. Refer to "KEYING" article, herein.

2.6 KEYING

A. **Scheduled System:**

1. **Existing factory registered system:**
a. Provide cylinders/cores keyed into Owner's existing factory registered keying system. Comply with guidelines in ANSI/BHMA A156.28, incorporating decisions made at keying conference.

B. Requirements:

1. Construction Keying:
a. Replaceable Construction Cores.
1) Provide temporary construction cores replaceable by permanent cores, furnished in accordance with the following requirements.
a) 3 construction control keys
b) 12 construction change (day) keys.
2) Owner or Owner's Representative will replace temporary construction cores with permanent cores.

2. Permanent Keying:
   a. Provide permanent cylinders/cores keyed by the manufacturer according to the following key system.
      1) Master Keying system as directed by the Owner.
   b. Forward bitting list and keys separately from cylinders, by means as directed by Owner. Failure to comply with forwarding requirements will be cause for replacement of cylinders/cores involved at no additional cost to Owner.
   c. Provide keys with the following features:
      1) Material: Nickel silver; minimum thickness of .107-inch (2.3mm)
      2) Patent Protection: Keys and blanks protected by one or more utility patent(s).
   d. Identification:
      1) Mark permanent cylinders/cores and keys with applicable blind code for identification. Do not provide blind code marks with actual key cuts.
      2) Identification stamping provisions must be approved by the Architect and Owner.
      3) Stamp cylinders/cores and keys with Owner's unique key system facility code as established by the manufacturer; key symbol and embossed or stamped with "DO NOT DUPLICATE" along with the "PATENTED" or patent number to enforce the patent protection.
      4) Failure to comply with stamping requirements will be cause for replacement of keys involved at no additional cost to Owner.
      5) Forward permanent cylinders/cores to Owner, separately from keys, by means as directed by Owner.
   e. Quantity: Furnish in the following quantities.
      1) Change (Day) Keys: 3 per cylinder/core that is keyed differently.
      2) Permanent Control Keys: 3.
      3) Master Keys: 6.
      4) Key Blanks: quantity as determined in the keying meeting.

2.7 DOOR CLOSERS

A. Manufacturers and Products:

1. Scheduled Manufacturer and Product:
   a. LCN 4010/4110 series

2. Acceptable Manufacturers and Products:
   a. Sargent 281 series

B. Requirements:

1. Provide door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. Certify surface mounted mechanical closers to meet fifteen million (15,000,000) full load cycles. ISO 9000 certify closers. Stamp units with date of manufacture code.
2. Provide door closers with fully hydraulic, full rack and pinion action with high strength cast iron cylinder, and full complement bearings at shaft.
3. Cylinder Body: 1-1/2-inch diameter with 11/16-inch diameter double heat-treated pinion journal.
4. Hydraulic Fluid: Fireproof, passing requirements of UL10C, and requiring no seasonal closer adjustment for temperatures ranging from 120 degrees F to -30 degrees F.
5. Spring Power: Continuously adjustable over full range of closer sizes, and providing reduced opening force as required by accessibility codes and standards.

6. Hydraulic Regulation: By tamper-proof, non-critical valves, with separate adjustment for latch speed, general speed, and backcheck.
7. Provide closers with solid forged steel main arms and factory assembled heavy-duty forged forearms for parallel arm closers. When closers are parallel arm mounted, provide closers which mount within 6-inch top rail without use of mounting plate so that closer is not visible through vision panel from pull side.
8. Pressure Relief Valve (PRV) Technology: Not permitted.
9. Finish for Closer Cylinders, Arms, Adapter Plates, and Metal Covers: Powder coating finish which has been certified to exceed 100 hours salt spray testing as described in ANSI/BHMA Standard A156.4 and ASTM B117, or has special rust inhibitor (SRI).
10. Provide special templates, drop plates, mounting brackets, or adapters for arms as required for details, overhead stops, and other door hardware items interfering with closer mounting.
11. **Through-bolt all wood door closers.**

2.8 PROTECTION PLATES

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Burns
   b. Rockwood

B. Requirements:

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

2.9 DOOR STOPS AND HOLDERS

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Ives

2. Acceptable Manufacturers:
   a. Burns
   b. Rockwood

B. Provide door stops at each door leaf:

1. Provide wall stops wherever possible. Provide concave type where lockset has a push button of thumbturn.
2. Where a wall stop cannot be used, provide overhead stops.

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

A. Manufacturers:

1. Scheduled Manufacturer:
   a. Zero International

2. Acceptable Manufacturers:
   a. National Guard
   b. Reese

B. Requirements:

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

2.11 FINISHES

A. Finish: Generally, Satin Chromium, BHMA 626/652 (US26D). Provide finish for each item as indicated in sets.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation.

B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.

C. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation.

D. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Where on-site modification of doors and frames is required:

1. Carefully remove existing door hardware and components being reused. Clean, protect, tag, and store in accordance with storage and handling requirements specified herein.
2. Field modify and prepare existing doors and frames for new hardware being installed.
3. When modifications are exposed to view, use concealed fasteners, when possible.
4. Prepare hardware locations and reinstall in accordance with installation requirements for new door hardware and with:
   a. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
   b. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors."
   c. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation.

3.3 INSTALLATION

A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
2. Custom Steel Doors and Frames: HMMA 831.
3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
4. Installation Guide for Doors and Hardware: DHI TDH-007-20

B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.

C. Install each hardware item in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer.

D. Do not install surface mounted items until finishes have been completed on substrate. Protect all installed hardware during painting.

E. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

F. Drill and countersink units that are not factory prepared for anchorage fasteners. Space fasteners and anchors according to industry standards.

G. Install operating parts so they move freely and smoothly without binding, sticking, or excessive clearance.

H. Hinges: Install types and in quantities indicated in door hardware schedule but not fewer than quantity recommended by manufacturer for application indicated.

I. Lock Cylinders:

1. Install construction cores to secure building and areas during construction period.
2. Replace construction cores with permanent cores as indicated in keying section.
3. **Furnish permanent cores to Owner for installation.**

J. in key control system cabinet, as determined by final keying schedule.

K. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

L. Thresholds: Set thresholds in full bed of sealant complying with requirements specified in Division 07 Section "Joint Sealants."

M. Stops: Provide floor stops for doors unless wall or other type stops are indicated in door hardware schedule. Do not mount floor stops where they may impede traffic or present tripping hazard.

N. Perimeter Gasketing: Apply to head and jamb, forming seal between door and frame.

O. Meeting Stile Gasketing: Fasten to meeting stiles, forming seal when doors are closed.

P. Door Bottoms and Sweeps: Apply to bottom of door, forming seal with threshold when door is closed.

3.4 ADJUSTING

A. Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

1. Door Closers: Adjust sweep period to comply with accessibility requirements and requirements of authorities having jurisdiction.

B. Occupancy Adjustment: Approximately three to six months after date of Substantial Completion, examine and readjust each item of door hardware, including adjusting operating forces, as necessary to ensure function of doors and door hardware.

3.5 CLEANING AND PROTECTION

A. Clean adjacent surfaces soiled by door hardware installation.

B. Clean operating items per manufacturer’s instructions to restore proper function and finish.

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

3.6 DOOR HARDWARE SCHEDULE

A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier’s responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.

C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.

D. Hardware Sets:

Hardware Group No.**001**

For use on Door #(s):
C111A

Each to have:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
3	**EA**	**HINGE**	**5BB1HW 4.5 X 4.5 NRP**	**652**	**IVE**
1	**EA**	**FIRE EXIT HARDWARE**	**98-L-NL-F-06**	**626**	**VON**
1	**EA**	**IC RIM CYLINDER**	**KEYED TO OWNER STANDARD - COORDINATE W/OWNER**	**626**	**KAB**
1	**EA**	**SURFACE CLOSER**	**4111 EDA**	**689**	**LCN**
1	**EA**	**KICK PLATE**	**8400 10" X 2" LDW B-CS**	**630**	**IVE**
1	**EA**	**WALL STOP**	**WS406/407CVX**	**630**	**IVE**
1	**EA**	**GASKETING**	**488S**	**BK**	**ZER**

NOTES:
1) MATCH EXISTING LEVER STYLE OF SCHOOL. LEVER STYLE 06A SPECIFIED AS BASIS OF DESIGN.

Hardware Group No.**002**

For use on Door #(s):
C111BX

Each to have:

QTY		DESCRIPTION	CATALOG NUMBER	FINISH	MFR
1	**EA**	**PANIC HARDWARE**	**LD-9875-NL**	**626**	**VON**
1	**EA**	**IC MORTISE CYLINDER**	**KEYED TO OWNER STANDARD - COORDINATE W/OWNER**	**626**	**KAB**
			BALANCE OF HARDWARE TO REMAIN		

NOTES:
1) FIELD VERIFY EXISTING CONDITIONS. VERIFY/COORDINATE PREPS ON EXISTING DOORS AND FRAMES TO ENSURE THE COMPATIBILITY OF NEW HARDWARE PRIOR TO ORDER OF NEW MATERIALS. PROVIDE FIELD MODIFICATIONS AND/OR NECESSARY FILLERS (PAINT TO MATCH WHERE EXISTING IS PREVIOUSLY PAINTED), REINFORCEMENTS AND FASTENERS, COMPATIBLE WITH EXISTING MATERIALS REQUIRED FOR MOUNTING NEW SPECIFIED HARDWARE AND TO COVER EXISTING DOOR AND FRAME PREPARATIONS.
2) VERIFY MORTISE CYLINDER CAM/BLOCKING RING (AS REQ'D) PRIOR TO ORDER OF MATERIALS.

END OF SECTION 08 7100

EDWARDSBURG MIDDLE SCHOOL - MECHANICAL UPGRADES

EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

CONSTRUCTION DOCUMENTS - BP7

DESIGN TEAM

ARCHITECT/ENGINEER

TowerPinkster
Architecture · Engineering · Interiors

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SITE ADDRESS

EDWARDSBURG MIDDLE SCHOOL
69410 SECTION ST
EDWARDSBURG, MI 49112

REFERENCED CODES

BUILDING:	2021 MICHIGAN BUILDING CODE AND 2012 NFPA 101 LIFE SAFETY CODE
BUILDING:	2021 MICHIGAN REHABILITATION CODE
ENERGY:	2021 MICHIGAN ENERGY CODE
PLUMBING:	2021 MICHIGAN PLUMBING CODE
MECHANICAL:	2021 MICHIGAN MECHANICAL CODE
FUEL GAS:	(IFGC) 2021 INTERNATIONAL FUEL GAS CODE
ELECTRICAL:	2023 NATIONAL ELECTRICAL CODE WITH MICHIGAN AMENDMENTS
BARRIER-FREE:	2021 MICHIGAN BUILDING CODE AND 2017 ICC & C A117.1
USE GROUP:	E AND A-1
CONSTRUCTION TYPE:	TYPE IIB
AUTOMATIC SPRINKLERS:	PARTIALLY SPRINKLED

PROJECT AREA

TOTAL BUILDING AREA:	81,702 SQ. FT.
ALTERATION LEVEL:	LEVEL 1: 1 FOR 1 AHU REPLACEMENT LEVEL 2: 31,204 SQ. FT.

ALTERNATES

ALTERNATE 01:	NOT USED
ALTERNATE 02:	PROVIDE NEW LIGHTING AND CONTROLS IN LIEU OF REINSTALLING EXISTING LIGHT FIXTURES IN SELECT CLASSROOMS AND CORRIDORS

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G 002 TYPICAL SYMBOLS AND REFERENCES, ABBREVIATIONS, DEVICE ALIGNMENT
G 101 OVERALL FIRST FLOOR CODE COMPLIANCE PLAN

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SG 001 STRUCTURAL GENERAL NOTES
SG 002 STATEMENT OF SPECIAL INSPECTIONS

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AG 001 GENERAL ARCHITECTURAL NOTES, INTERIOR PARTITION TYPES AND DEVICE ALIGNMENT GUIDELINES

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AD 101.1 CLASSROOM CASEWORK REFERENCE PHOTOS
AD 201 OVERALL FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN
AD 301 EXTERIOR DEMOLITION ELEVATIONS
AD 302 EXTERIOR DEMOLITION ELEVATIONS

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A 101 OVERALL FIRST FLOOR PLAN AND MATERIAL SELECTION SCHEDULE
A 102 OVERALL ROOF PLAN AND DETAILS
A 201 OVERALL FIRST FLOOR REFLECTED CEILING PLAN
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MG 001 MECHANICAL & PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

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PD 101 OVERALL PLUMBING FIRST FLOOR DEMOLITION PLAN

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P 501 PLUMBING SCHEDULES AND DETAILS

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M 504 MECHANICAL SCHEDULES AND DETAILS
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EG 001 ELECTRICAL SYMBOLS AND GENERAL NOTES

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ADDENDUM 02	02-06-2026
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL - MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

DATE
JANUARY 16, 2026

SHEET TITLE
COVER SHEET

SHEET NUMBER
G 001
21-201.041

KEYED NOTES - ARCHITECTURAL - DEMOLITION

1 REMOVE AND SALVAGE BASE, TALL AND/OR WALL CABINETS AND COUNTERTOP IN ORDER TO INSTALL HVAC UNIT - RETURN TO OWNER

2 REMOVE SUSPENDED CEILING SYSTEM

3 NOT USED

4 REMOVE AND SALVAGE BASE, TALL AND/OR WALL CABINETS AND COUNTERTOP TO REINSTALL

5 REMOVE AND SALVAGE MARKERBOARD/TACKBOARD - RETURN TO OWNER

6 SAWCUT AND REMOVE EXTERIOR CMU AND BRICK WALL CONSTRUCTION AS REQUIRED TO INSTALL NEW LINTEL AND NEW MECHANICAL UNIT LOUVER. COORDINATE ALL HEIGHTS & SIZES WITH STRUCTURAL AND MECHANICAL. SALVAGE BRICK, CLEAN AND INSTALL AS NEEDED AT INFILLS AND LINTELS.

7 REMOVE LOUVER AND SAWCUT CMU WALL CONSTRUCTION TO PROVIDE A 5'-4" HEIGHT OPENING. PREP HEAD CONDITION FOR LINTEL.

8 REMOVE AND SALVAGE LOUVER FOR REINSTALLATION AT SAME LOCATION

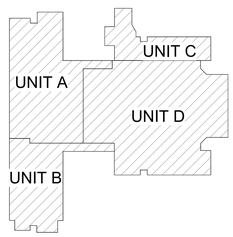
9 REMOVE DOOR AND FRAME

10 REMOVE PLASTER CEILING COMPLETELY

OVERALL FIRST FLOOR DEMOLITION PLAN
1/16" = 1'-0"

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

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PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL - MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
OVERALL FIRST FLOOR DEMOLITION PLAN

DATE
JANUARY 16, 2026

SHEET NUMBER
AD 101
21-201.041

KEYED NOTES - ARCHITECTURAL - DEMOLITION

1 REMOVE AND SALVAGE BASE, TALL AND/OR WALL CABINETS AND COUNTERTOP IN ORDER TO INSTALL HVAC UNIT - RETURN TO OWNER

2 REMOVE SUSPENDED CEILING SYSTEM

3 NOT USED

4 REMOVE AND SALVAGE BASE, TALL AND/OR WALL CABINETS AND COUNTERTOP TO REINSTALL

5 REMOVE AND SALVAGE MARKERBOARD/TACKBOARD - RETURN TO OWNER

6 SAWCUT AND REMOVE EXTERIOR CMU AND BRICK WALL CONSTRUCTION AS REQUIRED TO INSTALL NEW LINTEL AND NEW MECHANICAL LINIT LOUVER. COORDINATE ALL HEIGHTS & SIZES WITH STRUCTURAL AND MECHANICAL. SALVAGE BRICK, CLEAN AND INSTALL AS NEEDED AT INFILLS AND LINTELS.

7 REMOVE LOUVER AND SAWCUT CMU WALL CONSTRUCTION TO PROVIDE A 5'-4" HEIGHT OPENING. PREP HEAD CONDITION FOR LINTEL.

8 REMOVE AND SALVAGE LOUVER FOR REINSTALLATION AT SAME LOCATION

9 REMOVE DOOR AND FRAME

10 REMOVE PLASTER CEILING COMPLETELY

OVERALL FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN
1/16" = 1'-0"

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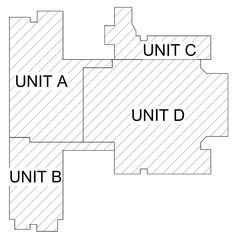
EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM 02	02-06-2026
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
OVERALL FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN

DATE
JANUARY 16, 2026

SHEET NUMBER
AD 201
21-201.041

MATERIAL SELECTION SCHEDULE

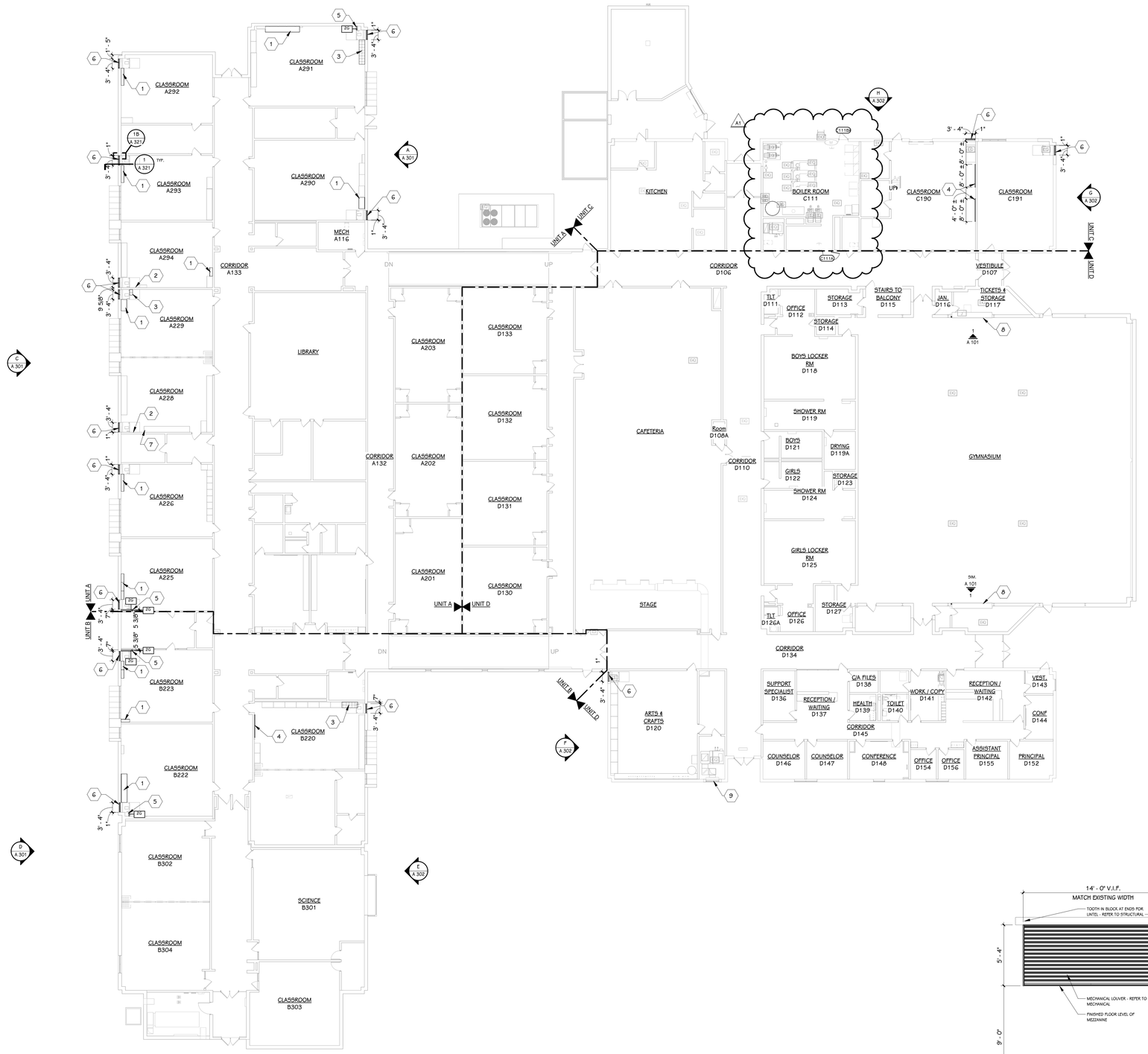
ABBREV	ITEM	MANUFACTURER	PATTERN	COLOR	PRODUCT NO.	SIZE	SINGLE SOURCE	BASIS OF DESIGN	ADDITIONAL MANUFACTURERS	REMARKS
ACP-1	ACOUSTIC CEILING PANEL	USG CEILINGS	RADAR	WHITE	--	2' X 2'	x		--	DISTRICT BUILDING STANDARD | WHITE SQUARE EDGE ACOUSTICAL DROP CEILING
P-1	PAINT	SHERWIN WILLIAMS	--	MATCH EXISTING	--	--		X	BENJAMIN MOORE, PITTSBURGH PAINTS	DISTRICT STANDARDS
RB-1	RUBBER BASE	TARKETT | JOHNSONITE	TRADTIIONAL DURACOVE	GREY	48	4" X 120' COILS		X	FLEXCO, MANNINGTON, ROPPEE	--
VCT-1	VINYL COMPOSITION TILE	ARMSTRONG	STANDARD EXCELON	TO BE SELECTED FROM FULL RANGE	--	12" X 12"		X	MANNINGTON, TARKETT	INTENT TO MATCH EXISTING

NOTES:

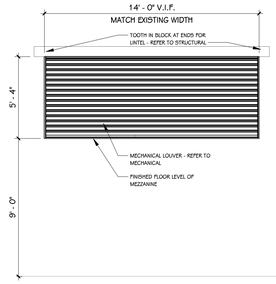
1 NO COMPARABLE PRODUCTS WILL BE REVIEWED FOR PRODUCTS DESIGNATED AS SINGLE SOURCE.

2 COMPARABLE PRODUCTS WILL BE REVIEWED FOR ITEMS LISTED AS BASIS OF DESIGN. COMPARABLE PRODUCTS ARE REQUIRED TO MEET ANY MINIMUM PERFORMANCE REQUIREMENTS LISTED IN REMARKS AND DESIGN ATTRIBUTES OF SPECIFIED PRODUCT.

3 REFER TO PRODUCT SPECIFICATION FOR TRIMS AND ACCESSORIES ASSOCIATED WITH SPECIFIED PRODUCTS ABOVE.



OVERALL FIRST FLOOR PLAN
1/16" = 1'-0"



GYM LOUVER
1/4" = 1'-0"

NOTES - ARCHITECTURAL

1 REFER TO CODE COMPLIANCE PLAN FOR WALL RATING LINES.

KEYED NOTES - ARCHITECTURAL - CONSTRUCTION

1 REINSTALL CASEWORK, TALL CABINET, SHELVING AND/OR COUNTER TIGHT TO MECH UNIT OR CASEWORK, PROVIDE NEW RESILIENT BASE AND PAINT WALL TO MATCH ADJACENT FINISHES AS NEEDED TO AT REMOVAL OF CASEWORK / FURNITURE

2 MATCH EXISTING ADJACENT PAINT AS NEEDED AT LOCATION OF CASEWORK / FURNITURE REMOVAL

3 MATCH EXISTING ADJACENT RESILIENT BASE, FLOORING AND PAINT AS NEEDED AT LOCATION OF CASEWORK / FURNITURE REMOVAL

4 INSTALL MARKERBOARD BY OWNER

5 PAINT NEW GYPSUM BOARD WALL CONSTRUCTION TO MATCH ADJACENT FINISH

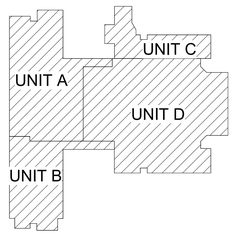
6 PREFINISHED ALUMINUM LOUVER IN NEW OPENING WITH LINTEL - REFER TO MECHANICAL AND STRUCTURAL

7 REINSTALL SALVAGED SUPPORT FROM ADJACENT COUNTER

8 PREFINISHED ALUMINUM LOUVER, NEW OPENING TO BE USED TO INSTALL MECHANICAL EQUIPMENT - REFER TO MECHANICAL AND STRUCTURAL

9 REINSTALL SALVAGED LOUVER, INSURE OPENING HAS PROPER FLASHING MAINTAINED

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM 02	02-06-2026

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
OVERALL FIRST FLOOR PLAN AND
MATERIAL SELECTION SCHEDULE

DATE
JANUARY 16, 2026

SHEET NUMBER
A 101
21-201.041

KEY - REFLECTED CEILING

- GYPSUM BOARD
- LAY-IN ACOUSTICAL TILE GRID
- OR — LIGHTING - REFER TO ELECTRICAL LIGHTING PLAN
- MECHANICAL - REFER TO MECHANICAL SHEET METAL PLAN

GENERAL NOTES - REFLECTED CEILINGS

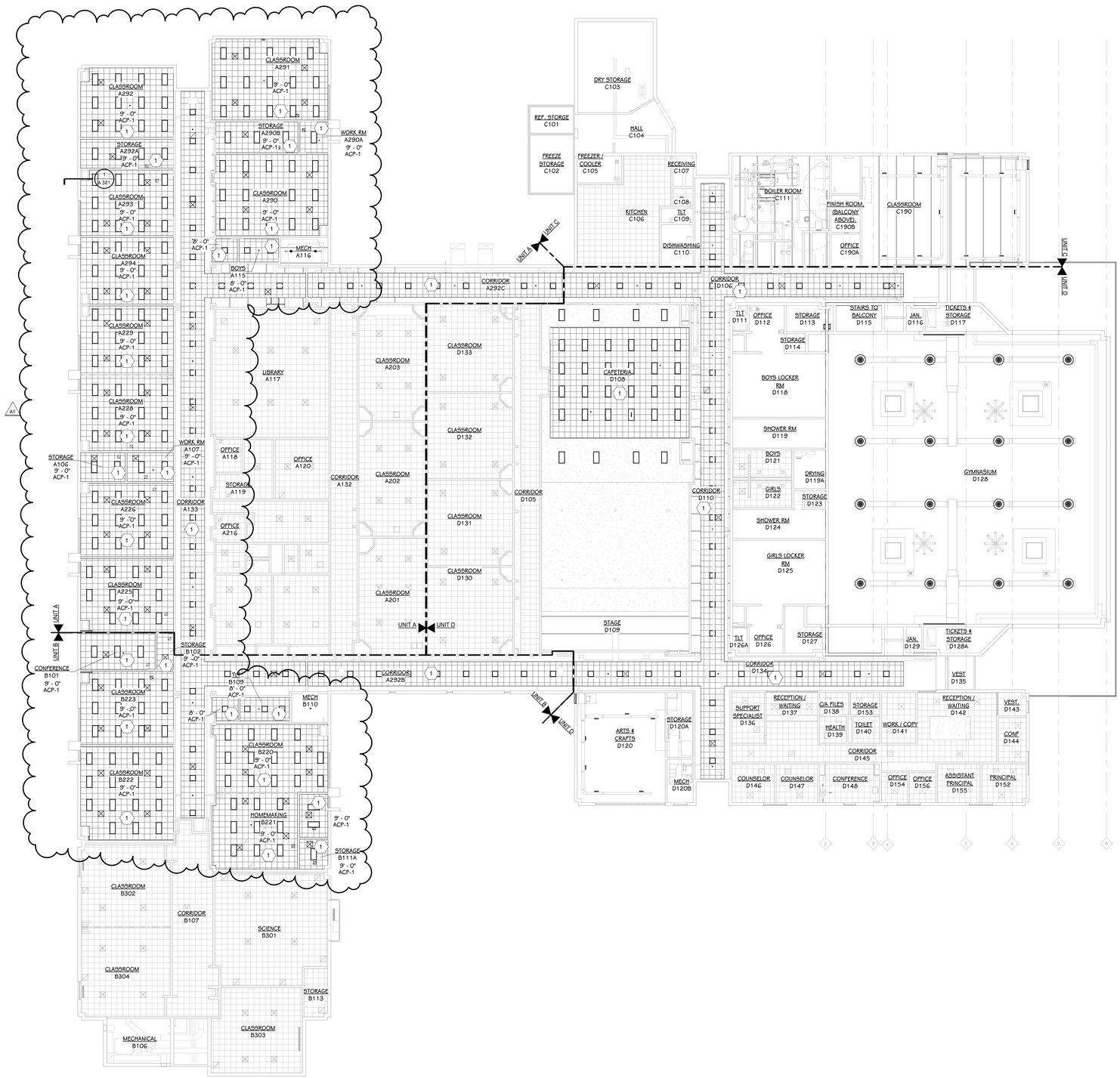
1. WHERE CEILING TILE IS LESS THAN 3" AT PERIMETER OF ROOM PROVIDE A CUT 2x4 TILE IN LIEU OF FULL 2x2 TILE AND SMALL PIECE OF TILE OR DOUBLE GRID - MATCH 2x2 FOR STYLE AND COLOR.

KEYED NOTES - ARCHITECTURAL - REFLECTED CEILING

A1

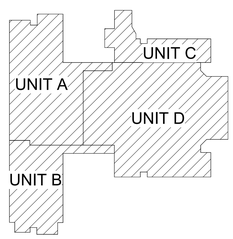
1 NEW CEILING GRID AND TILE IS TO BE AT SAME HEIGHT AS REMOVED EXISTING CEILING, INSTALL ACP-1

2 NOT USED



OVERALL FIRST FLOOR REFLECTED CEILING PLAN
1/16" = 1'-0"

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

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PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

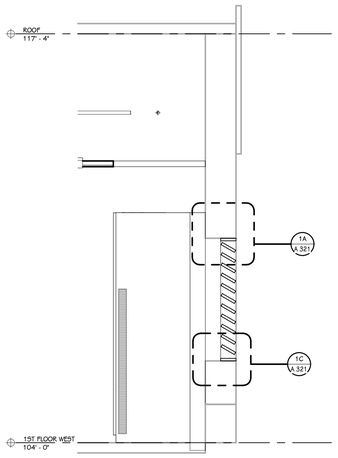
OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

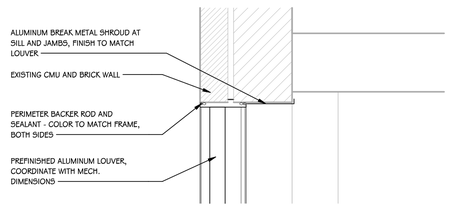
SHEET TITLE
OVERALL FIRST FLOOR REFLECTED CEILING PLAN

DATE
JANUARY 16, 2026

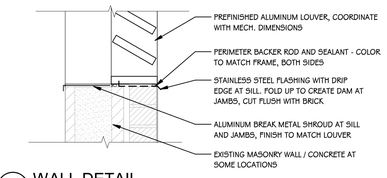
SHEET NUMBER
A 201
21-201.041



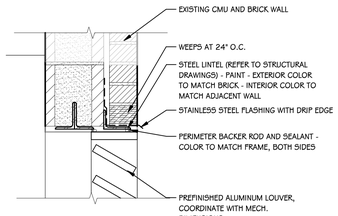
1 A 321 WALL SECTION
1/2" = 1'-0"



1B A 321 JAMB DETAIL
1 1/2" = 1'-0"



1C A 321 WALL DETAIL
1 1/2" = 1'-0"



1A A 321 WALL DETAIL
1 1/2" = 1'-0"

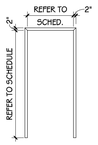
FIRST FLOOR DOOR SCHEDULE

NUMBER		ROOM NAME	FIRE RATING		DOOR			SIZE		FRAME			DETAILS			GLASS	ACCESS CONTROLS					HDWR. SET	REMARKS
DOOR	ROOM		DOOR	FRAME	TYPE	MAT	FIN	WIDTH	HEIGHT	ELEV	MAT	FIN	HEAD	JAMB	SILL		A-PHONE	BARRIER-FREE	CARD READER	ELEC. LOCK HDWR.	MAG HOLD		
C111A	C111	BOILER ROOM	45 MIN.	60 MIN.	F	WD	PREFIN	3' - 0"	7' - 2"	1	HM	SEE REMARKS	-	-	-	-	No	No	No	No	No	001	1

FIRST FLOOR EXISTING DOOR SCHEDULE

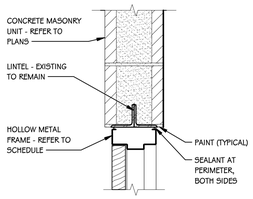
NUMBER		ROOM NAME	FIRE RATING		DOOR			SIZE		FRAME			DETAILS			GLASS	ACCESS CONTROLS					HDWR. SET	REMARKS
DOOR	ROOM		DOOR	FRAME	TYPE	MAT	FIN	WIDTH	HEIGHT	ELEV	MAT	FIN	HEAD	JAMB	SILL		A-PHONE	BARRIER-FREE	CARD READER	ELEC. LOCK HDWR.	MAG HOLD		
C111BX	C111	BOILER ROOM	-	-	F	HM	SEE REMARKS	3' - 0"	7' - 2"	-	HM	SEE REMARKS	-	-	-	-	No	No	No	No	No	002	2

REMARKS:
1.) MATCH ADJACENT CORRIDOR DOOR FRAME PAINT COLOR
2.) MATCH EXISTING DOOR AND FRAME

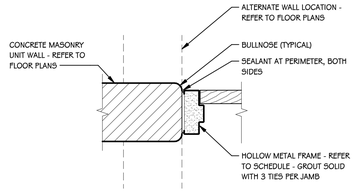


FRAME ELEVATIONS
SCALE: NONE

DOOR PANEL ELEVATIONS
SCALE: NONE



H1 A 321 HEAD DETAIL
1 1/2" = 1'-0"



J1 A 321 JAMB DETAIL
1 1/2" = 1'-0"

A1

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ADDENDUM 02	02-06-2026
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL - MECHANICAL UPGRADES

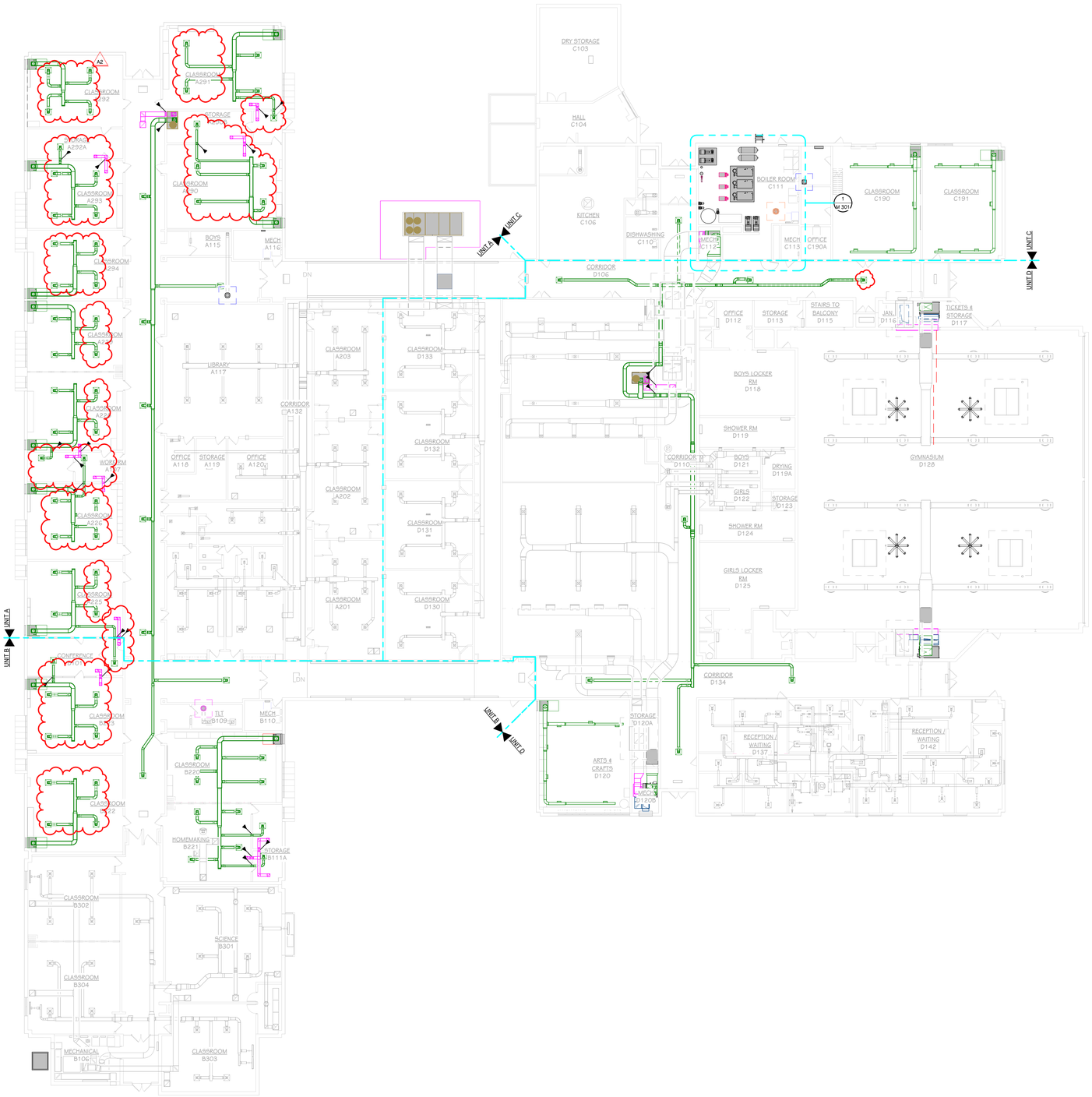
OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
WALL SECTIONS AND DETAILS

DATE
JANUARY 16, 2026

SHEET NUMBER
A 321
21-201.041



OVERALL FIRST FLOOR SHEET METAL PLAN
1/16" = 1'-0"

KEYED NOTES - MECHANICAL - SHEET METAL

1 REMOVE AND REINSTALL LOUVER FOR INSTALLATION OF NEW AIR HANDLING UNIT.

2 INSTALL NEW TEMPERATURE CONTROL PANEL FOR AHU-101 CONTROLLER.

3 PROVIDE TEST AND AIR BALANCE OF ENTIRE SYSTEM.

4 PROVIDE NEW DDC CONTROLLER.

5 PROVIDE NEW ELECTRONIC MODULATING DAMPER ACTUATORS (SUPPLY, RETURN, & OUTSIDE AIR) SUITABLE FOR DDC CONTROL, TEMERATURE SENSORS, & FREEZE STAT. COORDINATE POWER AND CONTROL SIGNAL REQUIREMENTS WITH THE CONTROLS CONTRACTOR. REMOVE ASSOCIATED PNEUMATIC TUBING AND CONTROL LINES NO LONGER IN USE.

6 INSTALL NEW EXHAUST FAN. CONNECT INTO EXISTING DUCTWORK.

7 PROVIDE NEW TEMPERATURE SENSOR CAPABLE OF DDC MONITORING & ALARMS.

8 INSTALL NEW VERTICAL UNIT VENTILATOR WITH EXTERIOR LOUVER, ASSOCIATED DUCTWORK, TEMPERATURE SENSOR, AND CO2 SENSOR.

9 INSTALL CONDENSING UNIT ON NEW HOUSEKEEPINGPAD. ROUTE REFRIGERANT LINESETS TO NEW COOLING COIL.

10 INSTALL NEW COOLING COIL. REFER TO COOLING COIL SCHEDULE.

11 PROVIDE NEW AIR HANDLING UNIT. CONNECT INTO EXISTING DOUBLE WALL EXTERIOR DUCTWORK.

12 PROVIDE FAN RUN STATUS TO BMS.

13 PROVIDE BMS START/STOP CONTROL AND FAN RUN STATUS.

14 PROVIDE 6" WIDE TRIM PIECE.

15 PROVIDE 16" WIDE TRIM PIECE.

16 CLEAN ALL EXISTING SUPPLY AND RETURN DUCTWORK.

17 PROVIDE NEW DAMPER ACTUATOR, TEMPERATURE SENSOR, CONTROL WIRING, DDC CONTROLLER, AND INTEGRATE INTO BAS.

18 PROVIDE NEW CONTROL DAMPER AND ACTUATOR AND INTEGRATE WITH NEW BMS.

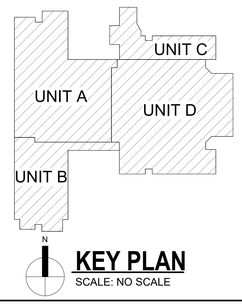
19 INSTALL MODULAR AIR HANDLING UNIT THROUGH RETURN AIR GRILLE OPENING. OPENING TO BE ENLARGED AS SHOWN ON ARCHITECTURAL DRAWINGS.

20 FAN SHALL BE CONTROLLABLE BY BOTH BMS AND LOCAL WALL-MOUNT CONTROLLER. LOCAL WALL CONTROLLER SHALL PROVIDE MANUAL OVERRIDE OF BMS COMMANDS. COORDINATE COMMAND PRIORITY AND OVERRIDE FUNCTION WITH FAN MANUFACTURER AND CONTROLS CONTRACTOR.

21 PROVIDE TEMPERATURE SENSOR AND INTEGRATE WITH BMS. PROGRAM HIGH-TEMPERATURE ALARM.

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

DRAWN BY: Author
2/5/2026 10:19:25 PM

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ADDENDUM 02	02/06/2026
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL - MECHANICAL RENOVATIONS

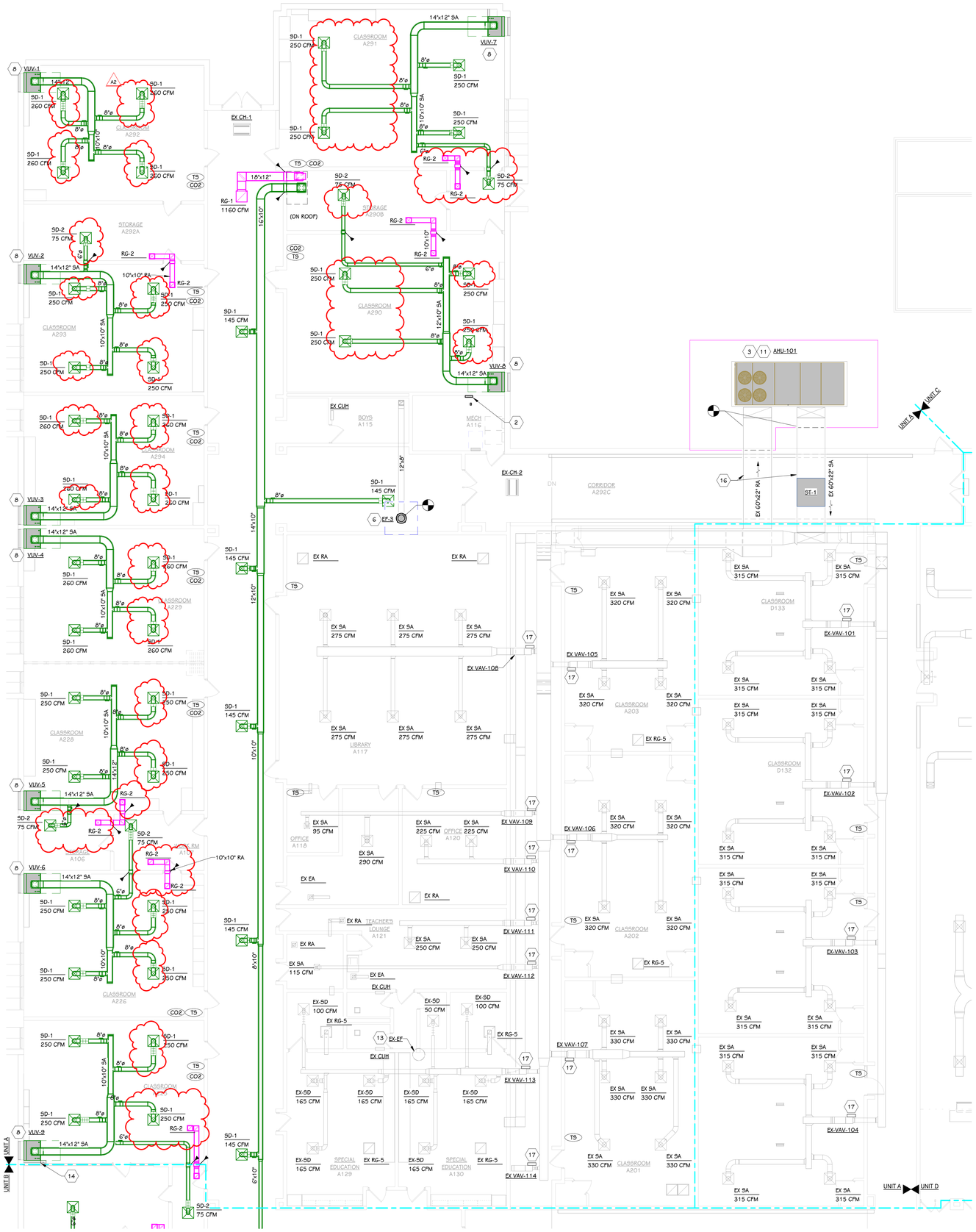
OWNER
EDWARDBURG PUCLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
OVERALL FIRST FLOOR SHEET METAL PLAN

DATE
JANUARY 16, 2026

SHEET NUMBER
M101
21-201.041



FIRST FLOOR SHEET METAL PLAN - UNIT A

1/8" = 1'-0"

KEYED NOTES - MECHANICAL - SHEET METAL

1 REMOVE AND REINSTALL LOUVER FOR INSTALLATION OF NEW AIR HANDLING UNIT.

2 INSTALL NEW TEMPERATURE CONTROL PANEL FOR AHU-101 CONTROLLER.

3 PROVIDE TEST AND AIR BALANCE OF ENTIRE SYSTEM.

4 PROVIDE NEW DDC CONTROLLER.

5 PROVIDE NEW ELECTRONIC MODULATING DAMPER ACTUATORS (SUPPLY, RETURN, & OUTSIDE AIR) SUITABLE FOR DDC CONTROL, TEMERATURE SENSORS, & FREEZE STAT. COORDINATE POWER AND CONTROL SIGNAL REQUIREMENTS WITH THE CONTROLS CONTRACTOR. REMOVE ASSOCIATED PNEUMATIC TUBING AND CONTROL LINES NO LONGER IN USE.

6 INSTALL NEW EXHAUST FAN. CONNECT INTO EXISTING DUCTWORK.

7 PROVIDE NEW TEMPERATURE SENSOR CAPABLE OF DDC MONITORING & ALARMS.

8 INSTALL NEW VERTICAL UNIT VENTILATOR WITH EXTERIOR LOUVER, ASSOCIATED DUCTWORK, TEMPERATURE SENSOR, AND CO2 SENSOR.

9 INSTALL CONDENSING UNIT ON NEW HOUSEKEEPINGPAD. ROUTE REFRIGERANT LINESETS TO NEW COOLING COIL.

10 INSTALL NEW COOLING COIL. REFER TO COOLING COIL SCHEDULE.

11 PROVIDE NEW AIR HANDLING UNIT. CONNECT INTO EXISTING DOUBLE WALL EXTERIOR DUCTWORK.

12 PROVIDE FAN RUN STATUS TO BMS.

13 PROVIDE BMS START/STOP CONTROL AND FAN RUN STATUS.

14 PROVIDE 6" WIDE TRIM PIECE.

15 PROVIDE 16" WIDE TRIM PIECE.

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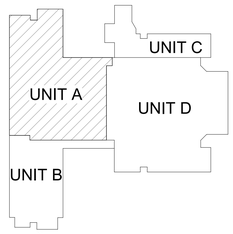
EDWARDSBURG MIDDLE SCHOOL



KEY PLAN

SCALE: NO SCALE

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ADDENDUM 02	02/06/2026
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL - MECHANICAL RENOVATIONS

OWNER
EDWARDSBURG PUCLIC SCHOOLS

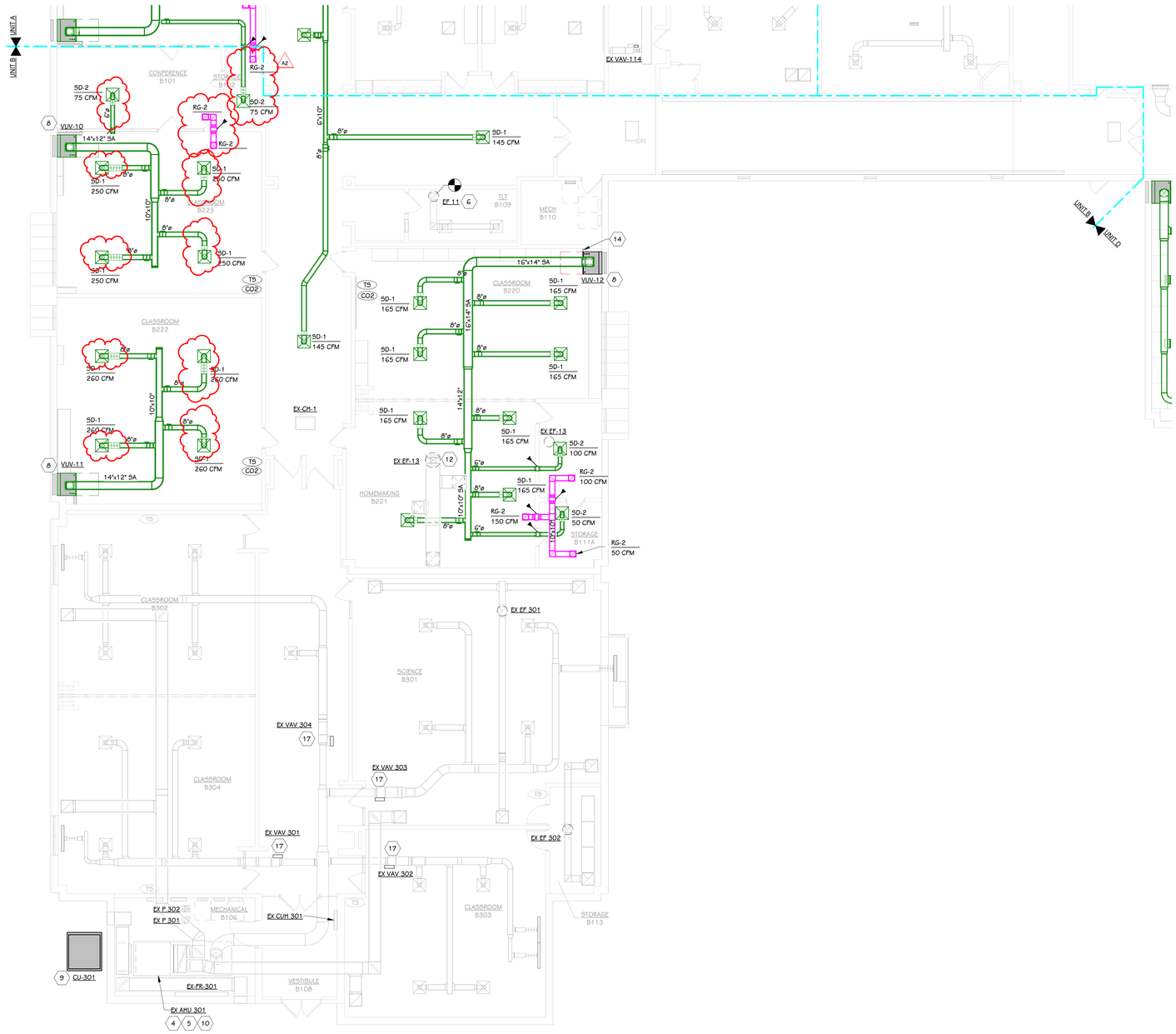
Edwardsburg, Michigan

SHEET TITLE
FIRST FLOOR SHEET METAL PLAN - UNIT A

DATE
JANUARY 16, 2026

SHEET NUMBER
M101A
21-201.041

DRAWN BY: Author
2/3/2026 10:19:33 PM



FIRST FLOOR SHEET METAL PLAN - UNIT B

1/8" = 1'-0"

KEYED NOTES - MECHANICAL - SHEET METAL

1 REMOVE AND REINSTALL LOUVER FOR INSTALLATION OF NEW AIR HANDLING UNIT.

2 INSTALL NEW TEMPERATURE CONTROL PANEL FOR AHU-101 CONTROLLER.

3 PROVIDE TEST AND AIR BALANCE OF ENTIRE SYSTEM.

4 PROVIDE NEW DDC CONTROLLER.

5 PROVIDE NEW ELECTRONIC MODULATING DAMPER ACTUATORS (SUPPLY, RETURN, & OUTSIDE AIR) SUITABLE FOR DDC CONTROL, TEMERATURE SENSORS, & FREEZE STAT. COORDINATE POWER AND CONTROL SIGNAL REQUIREMENTS WITH THE CONTROLS CONTRACTOR. REMOVE ASSOCIATED PNEUMATIC TUBING AND CONTROL LINES NO LONGER IN USE.

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13 PROVIDE BMS START/STOP CONTROL AND FAN RUN STATUS.

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21 PROVIDE TEMPERATURE SENSOR AND INTEGRATE WITH BMS. PROGRAM HIGH-TEMPERATURE ALARM.

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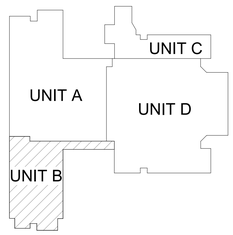
EDWARDSBURG MIDDLE SCHOOL



KEY PLAN

SCALE: NO SCALE

DRAWN BY: Author
2/5/2026 10:19:33 PM

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ADDENDUM 02	02/06/2026

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL - MECHANICAL RENOVATIONS

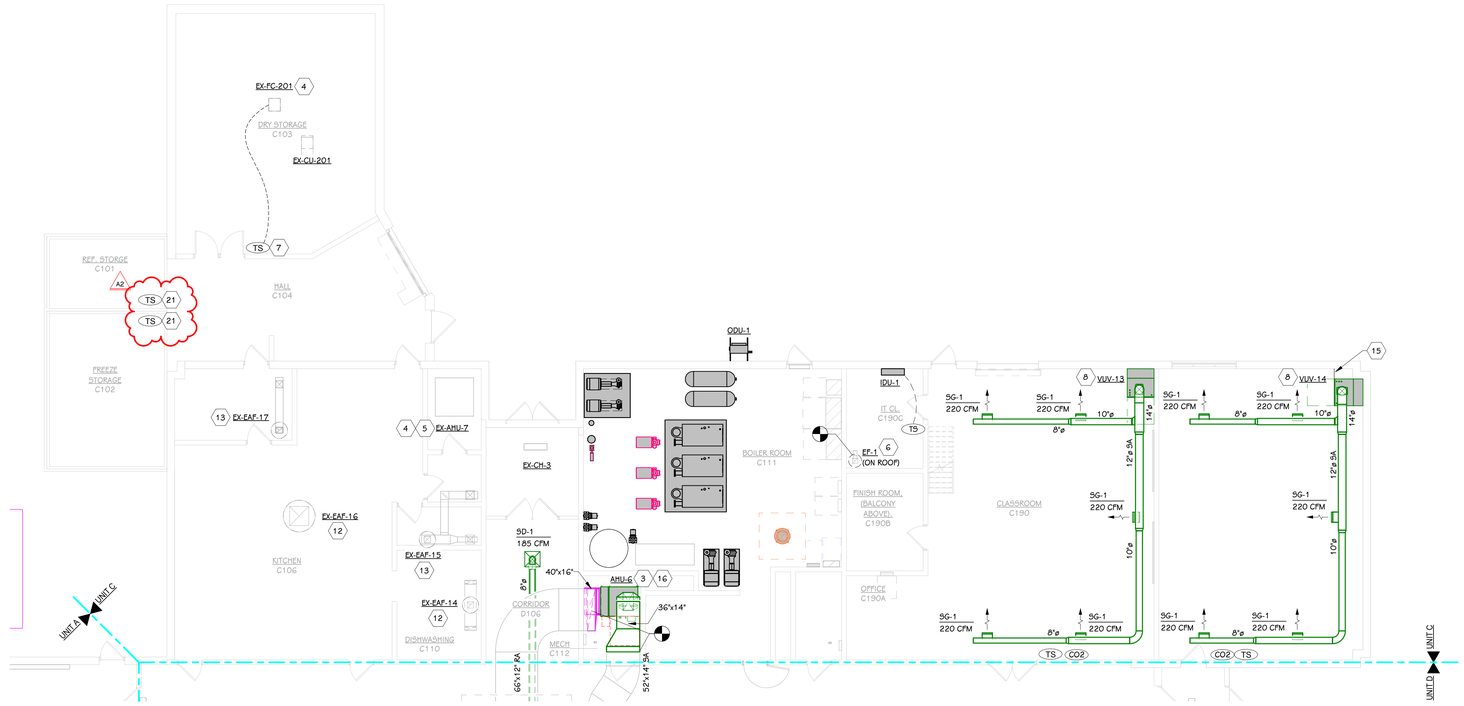
OWNER
EDWARDSBURG PUCLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
FIRST FLOOR SHEET METAL PLAN - UNIT B

DATE
JANUARY 16, 2026

SHEET NUMBER
M 101B
21-201.041



FIRST FLOOR SHEET METAL PLAN - UNIT C

1/8" = 1'-0"

KEYED NOTES - MECHANICAL - SHEET METAL

1 REMOVE AND REINSTALL LOUVER FOR INSTALLATION OF NEW AIR HANDLING UNIT.

2 INSTALL NEW TEMPERATURE CONTROL PANEL FOR AHU-101 CONTROLLER.

3 PROVIDE TEST AND AIR BALANCE OF ENTIRE SYSTEM.

4 PROVIDE NEW DDC CONTROLLER.

5 PROVIDE NEW ELECTRONIC MODULATING DAMPER ACTUATORS (SUPPLY, RETURN, & OUTSIDE AIR) SUITABLE FOR DDC CONTROL, TEMERATURE SENSORS, & FREEZE STAT. COORDINATE POWER AND CONTROL SIGNAL REQUIREMENTS WITH THE CONTROLS CONTRACTOR. REMOVE ASSOCIATED PNEUMATIC TUBING AND CONTROL LINES NO LONGER IN USE.

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21 PROVIDE TEMPERATURE SENSOR AND INTEGRATE WITH BMS. PROGRAM HIGH-TEMPERATURE ALARM.

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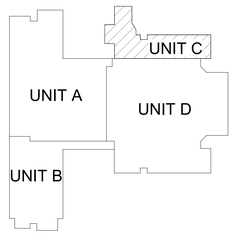
EDWARDSBURG MIDDLE SCHOOL



KEY PLAN

SCALE: NO SCALE

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ADDENDUM 02	02/06/2026

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL RENOVATIONS

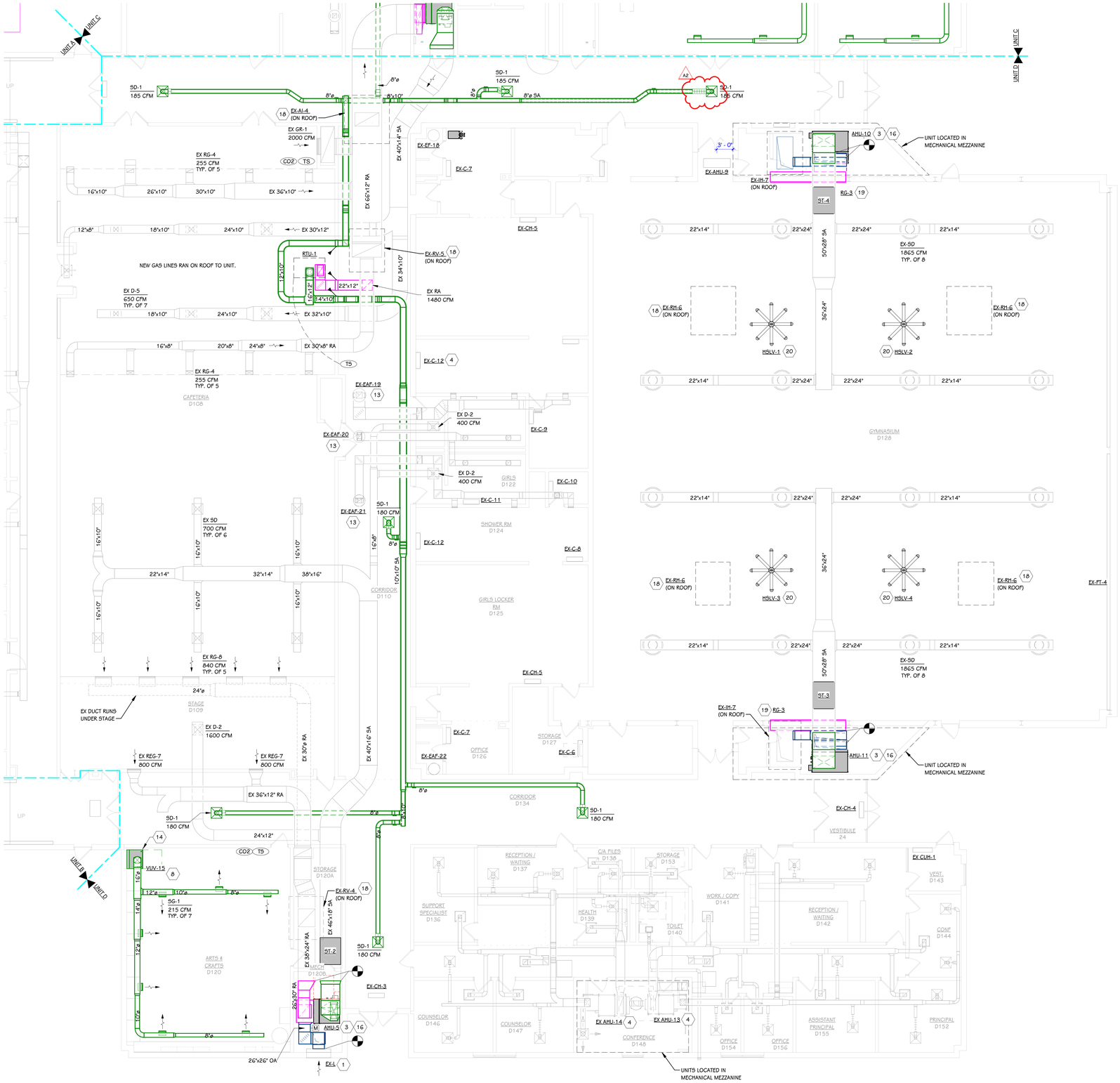
OWNER
EDWARDSBURG PUCLIC SCHOOLS

Edwardsburg, Michigan

DATE
JANUARY 16, 2026

SHEET TITLE
FIRST FLOOR SHEET METAL PLAN - UNIT C

SHEET NUMBER
M 101C
21-201.041



FIRST FLOOR SHEET METAL PLAN - UNIT D
1/8" = 1'-0"

KEYED NOTES - MECHANICAL - SHEET METAL

1 REMOVE AND REINSTALL LOUVER FOR INSTALLATION OF NEW AIR HANDLING UNIT.

2 INSTALL NEW TEMPERATURE CONTROL PANEL FOR AHU-101 CONTROLLER.

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21 PROVIDE TEMPERATURE SENSOR AND INTEGRATE WITH BMS. PROGRAM HIGH-TEMPERATURE ALARM.

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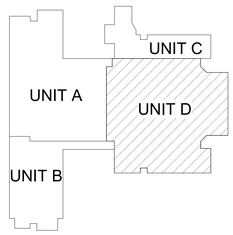
EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM 02	02/06/2026
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL RENOVATIONS

OWNER
EDWARDSBURG PUCLIC SCHOOLS

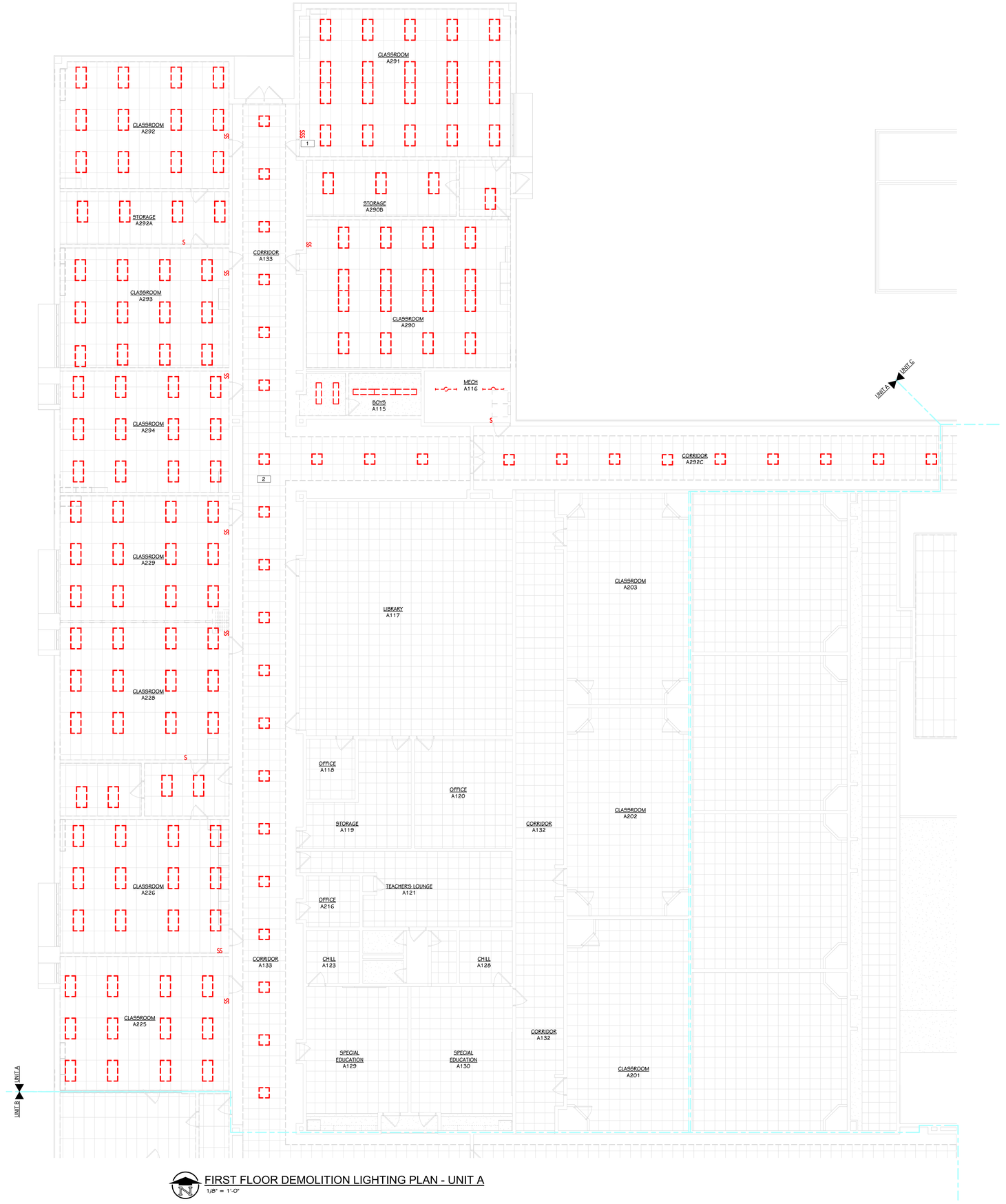
Edwardsburg, Michigan

SHEET TITLE
FIRST FLOOR SHEET METAL PLAN - UNIT D

DATE
JANUARY 16, 2026

SHEET NUMBER
M 101D
21-201.041

DRAWN BY: Author
2/3/2026 10:19:38 PM



FIRST FLOOR DEMOLITION LIGHTING PLAN - UNIT A

1/8" = 1'-0"

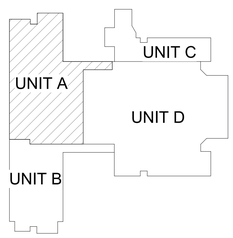
KEYED NOTES - ELECTRICAL - DEMOLITION - LIGHTING

1 MAINTAIN EXISTING LIGHTING CIRCUIT IN THIS AREA.

2 EXIT SIGNS, LOW VOLTAGE DEVICES, AND FIRE ALARM DEVICES MOUNTED TO THE CEILING THAT IS BEING REMOVED ARE TO BE REINSTALLED IN THE SAME LOCATION ON THE NEW CEILING.

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN

SCALE: NO SCALE

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ADDENDUM 02	02/06/26
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

DATE
JANUARY 16, 2026

SHEET TITLE
FIRST FLOOR LIGHTING DEMOLITION
PLAN - UNIT A

SHEET NUMBER
ED 201A
21-201.041

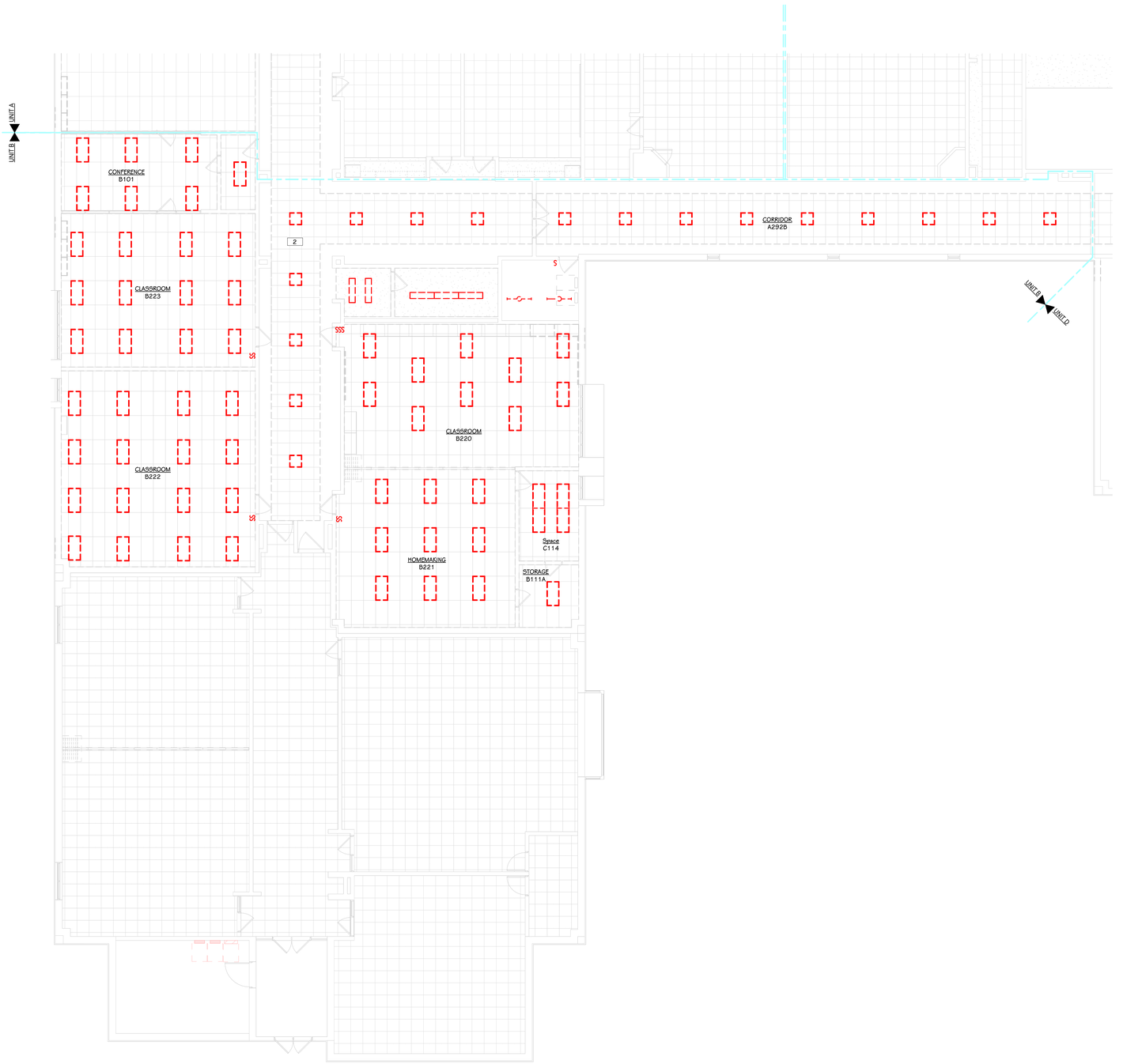
A2

DRAWN BY: XXX 2/6/2026 4:18:53 PM

KEYED NOTES - ELECTRICAL - DEMOLITION - LIGHTING

1 MAINTAIN EXISTING LIGHTING CIRCUIT IN THIS AREA.

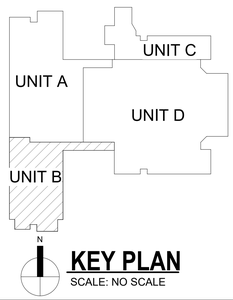
2 EXIT SIGNS, LOW VOLTAGE DEVICES, AND FIRE ALARM DEVICES MOUNTED TO THE CEILING THAT IS BEING REMOVED ARE TO BE REINSTALLED IN THE SAME LOCATION ON THE NEW CEILING.



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

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

DRAWN BY: XXX 2/6/2026 4:15:53 PM

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ADDENDUM 02	02/06/26
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

DATE
JANUARY 16, 2026

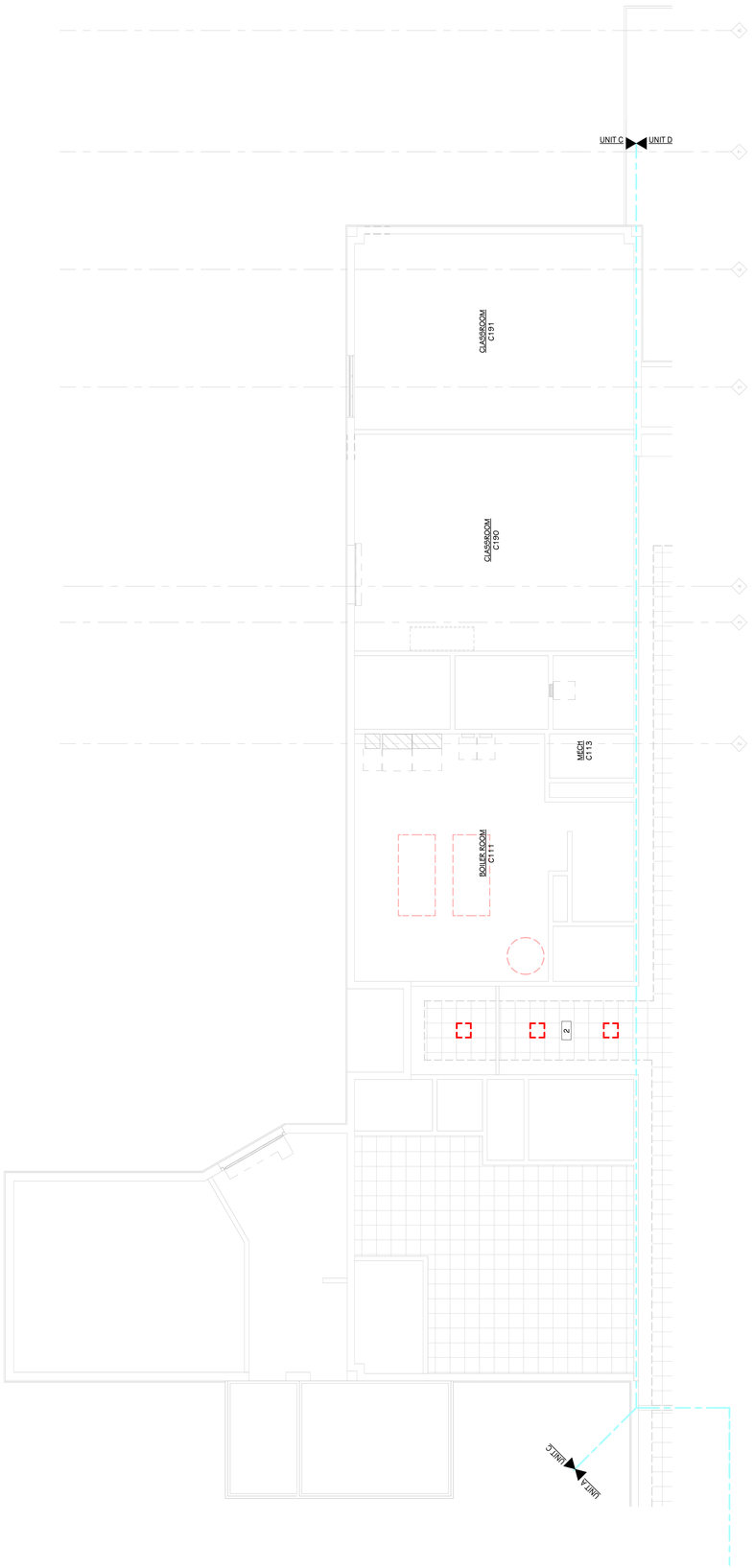
SHEET TITLE
FIRST FLOOR LIGHTING DEMOLITION
PLAN - UNIT B

SHEET NUMBER
ED 201B
21-201.041

KEYED NOTES - ELECTRICAL - DEMOLITION - LIGHTING

1 MAINTAIN EXISTING LIGHTING CIRCUIT IN THIS AREA.

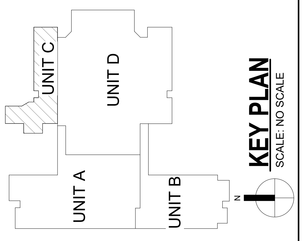
2 EXIT SIGNS, LOW VOLTAGE DEVICES, AND FIRE ALARM DEVICES MOUNTED TO THE CEILING THAT IS BEING REMOVED ARE TO BE REINSTALLED IN THE SAME LOCATION ON THE NEW CEILING.



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

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

SHEET TITLE
FIRST FLOOR LIGHTING DEMOLITION PLAN - UNIT C

OWNER
EDWARDSBURG PUBLIC SCHOOLS
Edwardsburg, Michigan

DATE
JANUARY 16, 2026

SHEET NUMBER
ED 201C
21-201.041

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL - MECHANICAL UPGRADES

ISSUED FOR	DATE
ADDENDUM 02	02/06/26

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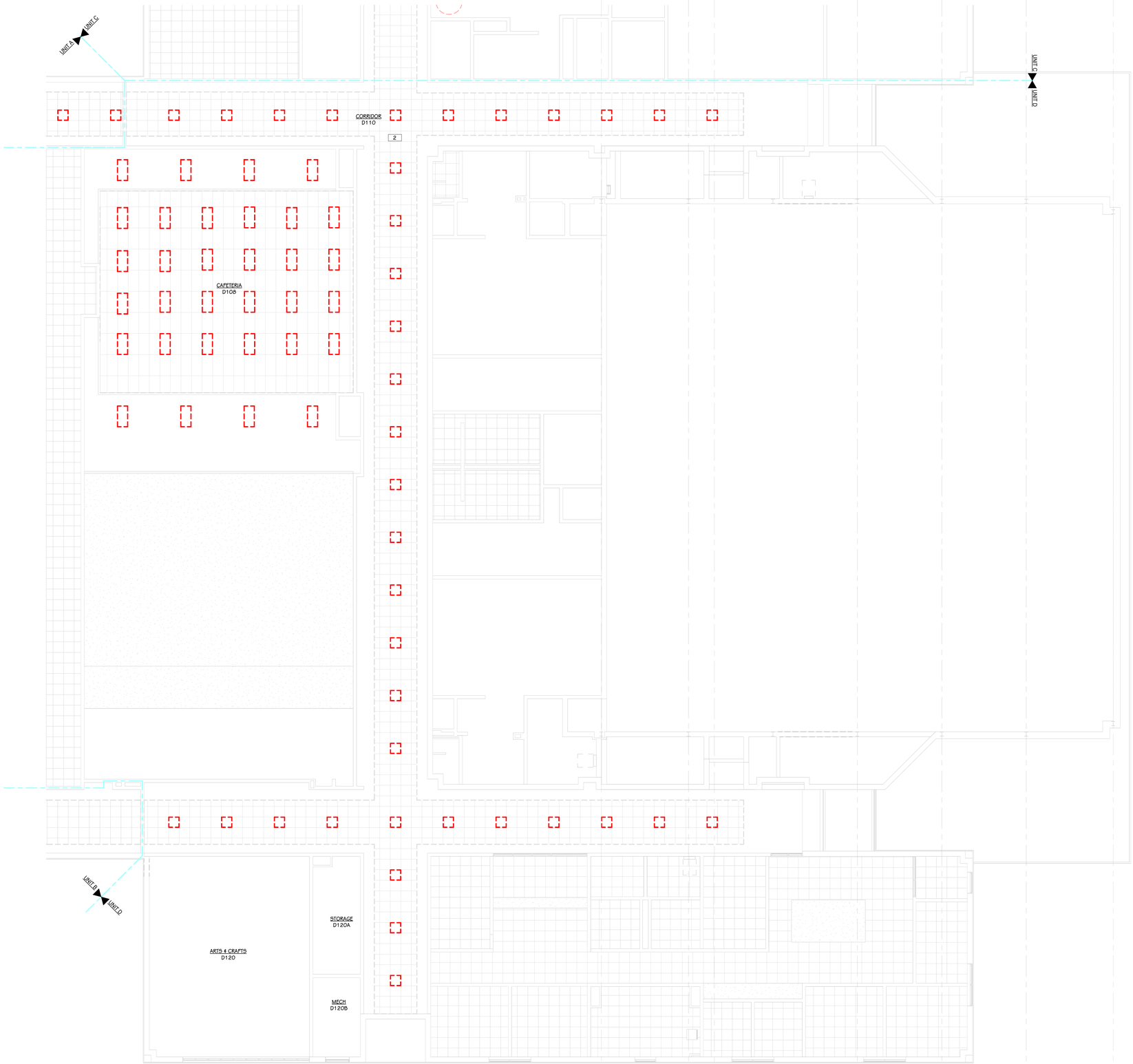
KEYED NOTES - ELECTRICAL - DEMOLITION - LIGHTING

1 MAINTAIN EXISTING LIGHTING CIRCUIT IN THIS AREA.

2 EXIT SIGNS, LOW VOLTAGE DEVICES, AND FIRE ALARM DEVICES MOUNTED TO THE CEILING THAT IS BEING REMOVED ARE TO BE REINSTALLED IN THE SAME LOCATION ON THE NEW CEILING.



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

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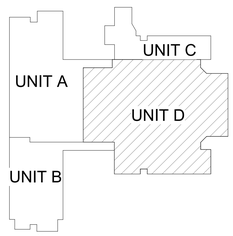
EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM 02 02/06/26

ISSUED FOR DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

DATE
JANUARY 16, 2026

SHEET TITLE
FIRST FLOOR LIGHTING DEMOLITION PLAN - UNIT D

SHEET NUMBER
ED 201D
21-201.041

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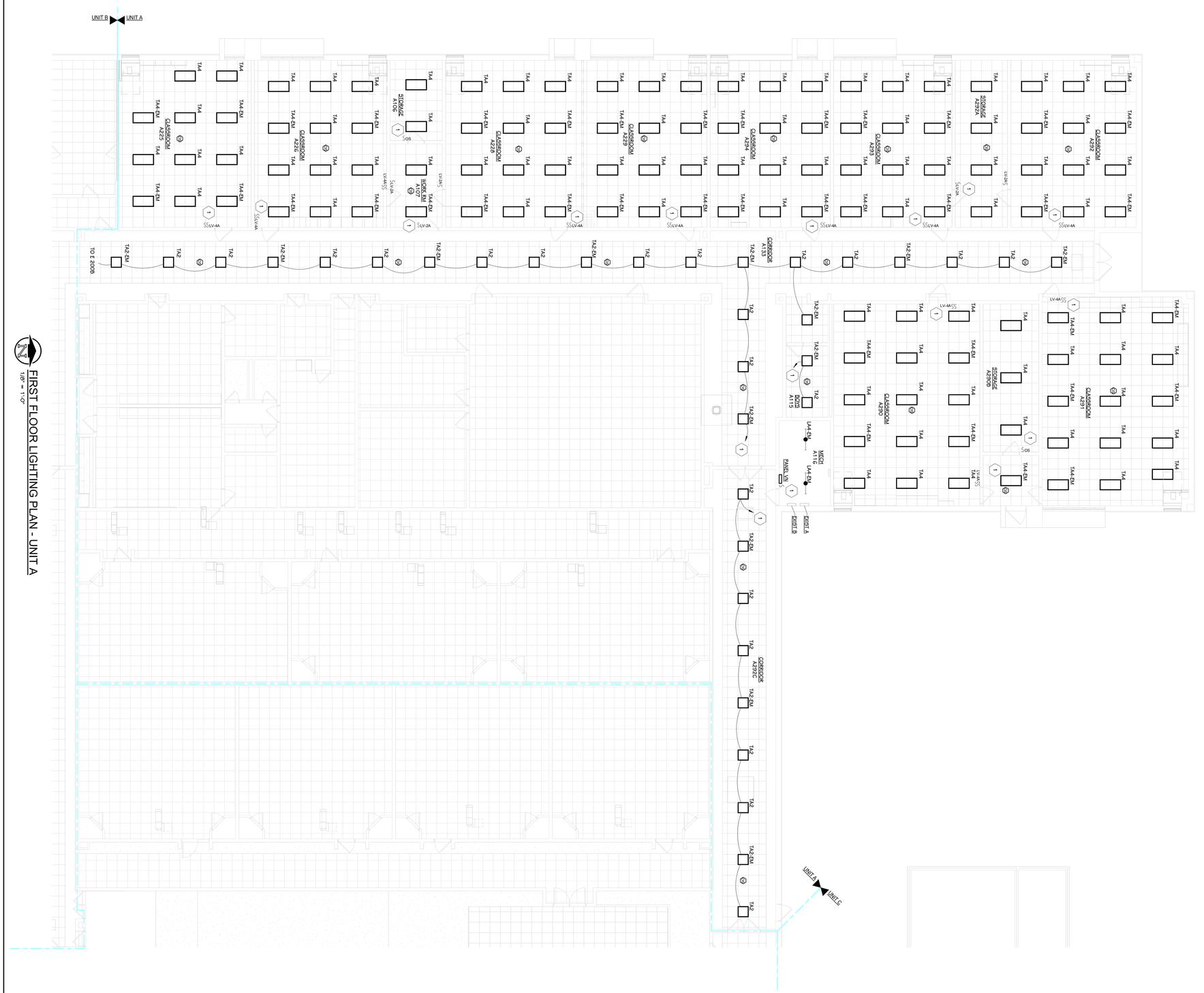


FIRST FLOOR LIGHTING PLAN - UNIT A
1/8" = 1'-0"

KEYED NOTES - ELECTRICAL - LIGHTING

1 CONNECT NEW LIGHTING TO THE EXISTING LIGHTING CIRCUIT IN THIS AREA.

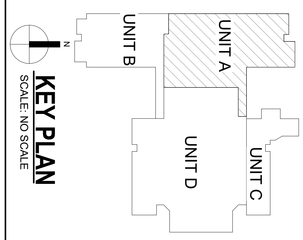
2 FIXTURE TO BE INSTALLED IN THE SAME LOCATION AS THE FIXTURE BEING REMOVED.

3 EXISTING AUDITORIUM LIGHTING AND CONTROLS TO REMAIN. FIELD VERIFY EXISTING CONDITIONS FOR THE CONTROLS AND ENSURE THEY ARE CONTROLLED SEPARATELY FROM THE CAFETERIA LIGHTING.

4 EXISTING LIGHT FIXTURES TO REMAIN. PROVIDE NEW OCCUPANCY SENSOR AND CONNECT TO CORRIDOR CONTROLS. PROVIDE NEW ON/OFF POWER PACK IF NEEDED TO INTERFACE WITH FLUORESCENT LIGHTING. REMOVE EXISTING SWITCHES AND PROVIDE NEW BLANK COVER.

EDWARDSBURG MIDDLE SCHOOL

KEY PLAN
SCALE: NO SCALE



SHEET TITLE
FIRST FLOOR LIGHTING PLAN - UNIT A

SHEET NUMBER
E 201A
21-201.041

DATE
JANUARY 16, 2026

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL - MECHANICAL UPGRADES

ISSUED FOR	DATE
ADDENDUM 02	02/06/26

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KEYED NOTES - ELECTRICAL - LIGHTING

1 CONNECT NEW LIGHTING TO THE EXISTING LIGHTING CIRCUIT IN THIS AREA.

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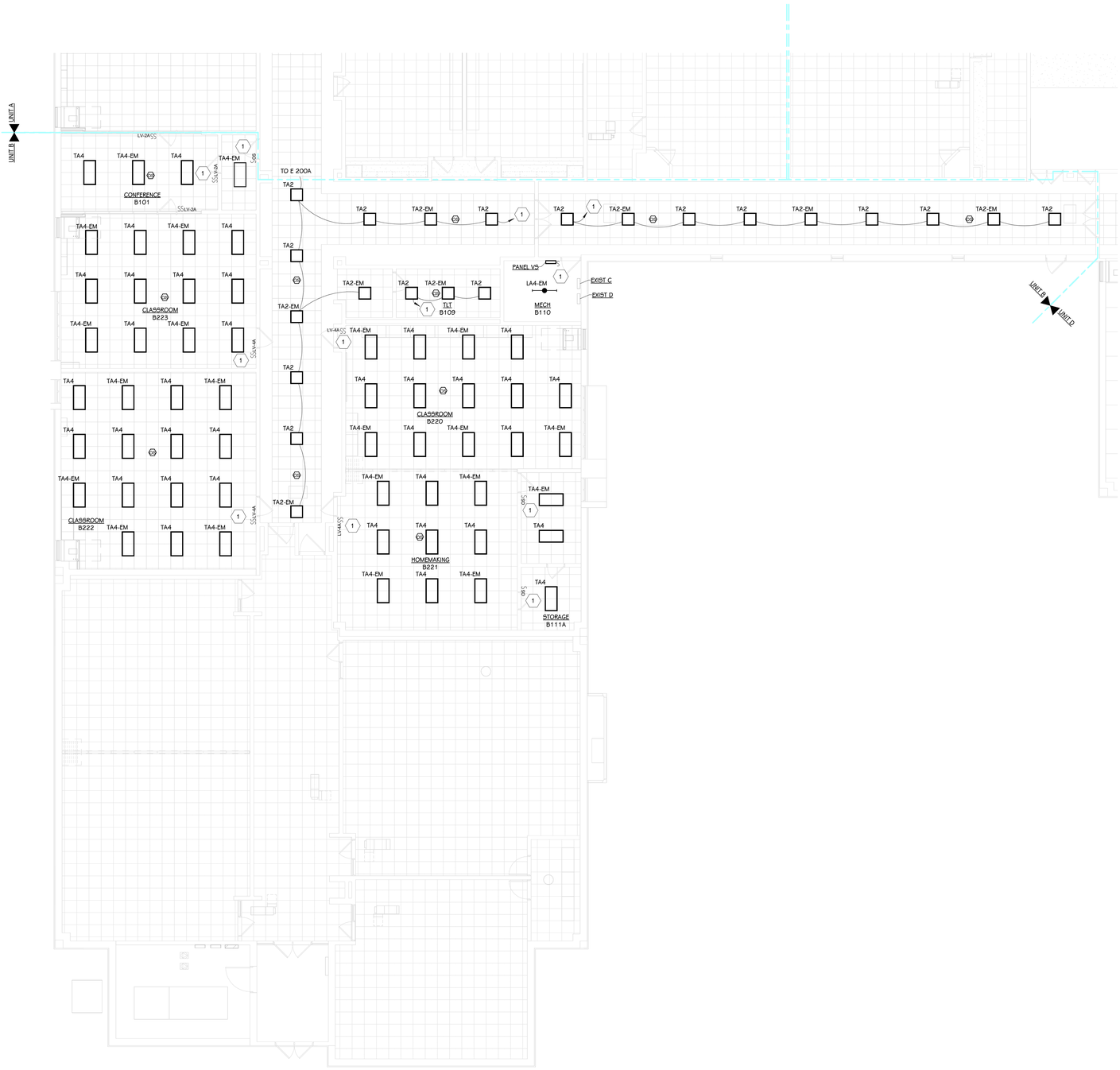
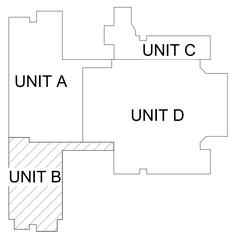


FIRST FLOOR LIGHTING PLAN - UNIT B
1/8" = 1'-0"

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM 02	02/06/26
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
FIRST FLOOR LIGHTING PLAN - UNIT B

DATE
JANUARY 16, 2026

SHEET NUMBER
E 201B
21-201.041

A2

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KEYED NOTES - ELECTRICAL - LIGHTING

1 CONNECT NEW LIGHTING TO THE EXISTING LIGHTING CIRCUIT IN THIS AREA.

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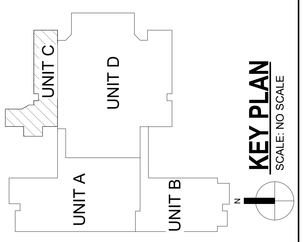
EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

SHEET TITLE
FIRST FLOOR LIGHTING PLAN - UNIT C

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

DATE
JANUARY 16, 2026

SHEET NUMBER
E 201C
21-201.041

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

ISSUED FOR	DATE
ADDENDUM 02	02/06/26

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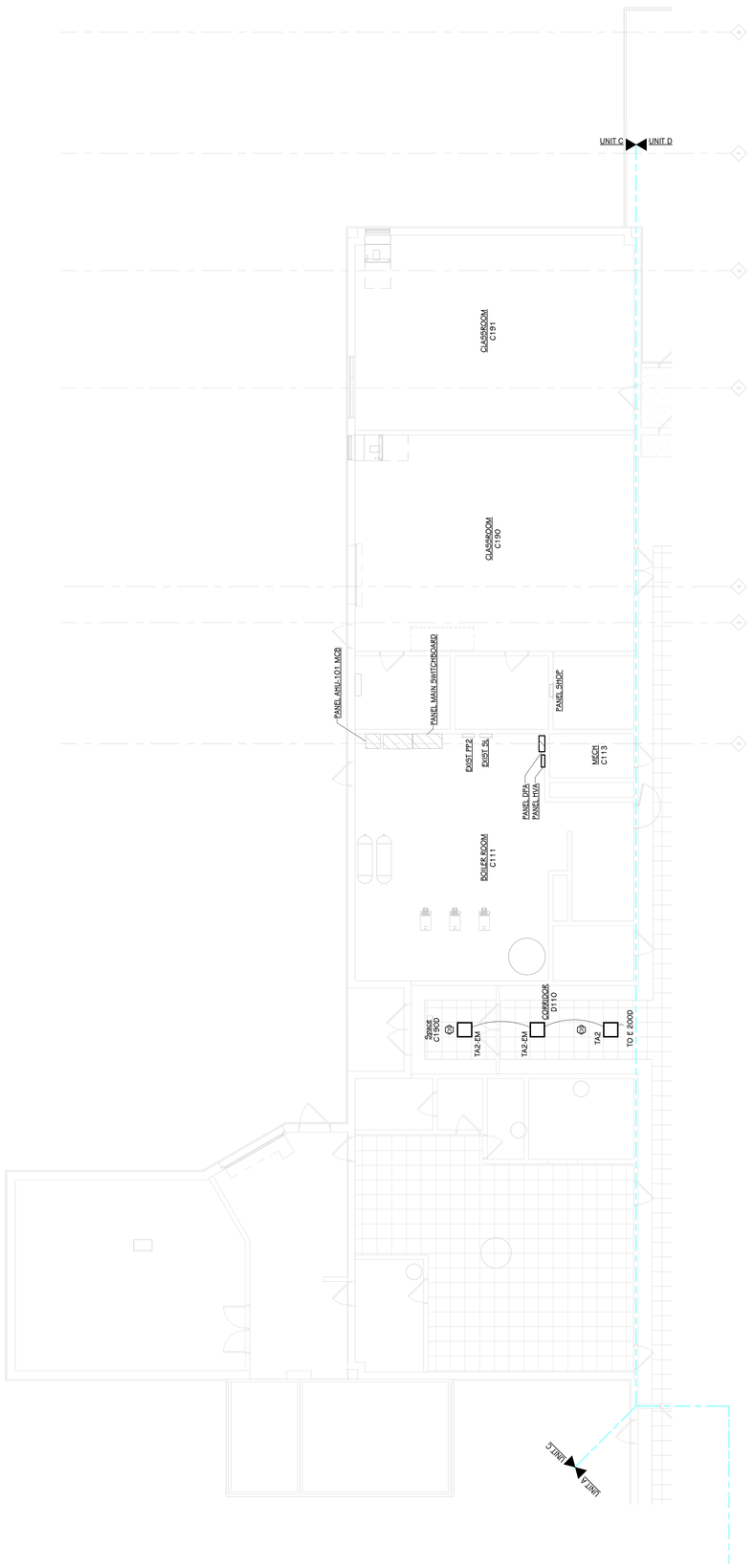

FIRST FLOOR LIGHTING PLAN - UNIT C
1/8" = 1'-0"

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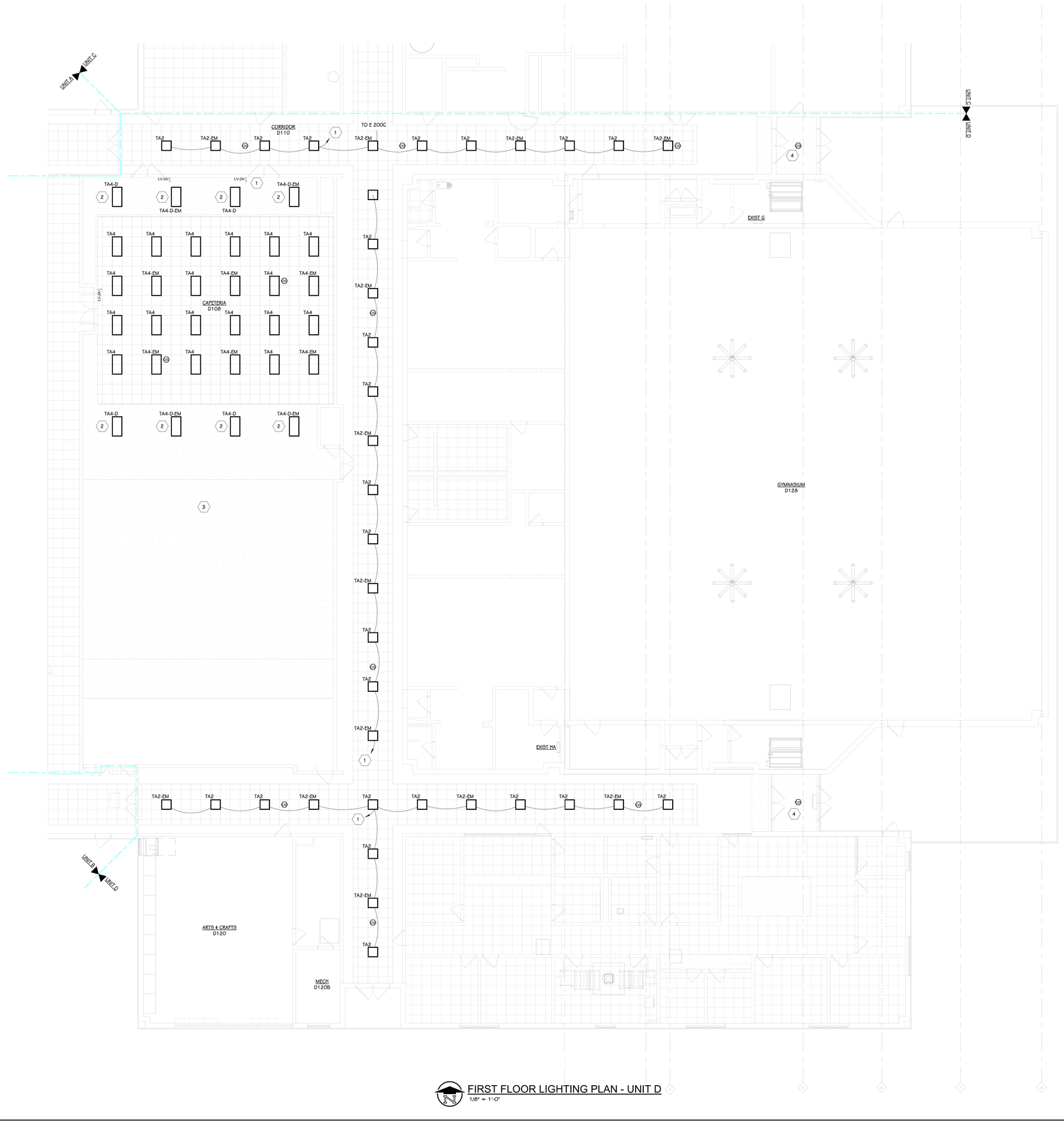

KEYED NOTES - ELECTRICAL - LIGHTING

1. CONNECT NEW LIGHTING TO THE EXISTING LIGHTING CIRCUIT IN THIS AREA.
2. FIXTURE TO BE INSTALLED IN THE SAME LOCATION AS THE FIXTURE BEING REMOVED.
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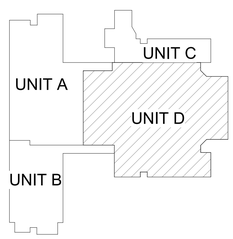
FIRST FLOOR LIGHTING PLAN - UNIT D
1/8" = 1'-0"

EDWARDSBURG MIDDLE SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM 02	02/06/26
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
FIRST FLOOR LIGHTING PLAN - UNIT D

DATE
JANUARY 16, 2026

SHEET NUMBER
E 201D
21-201.041

DRAWN BY: XXX 2/6/2026 4:19:06 PM

LIGHT FIXTURE SCHEDULE

TYPE	DESCRIPTION	MOUNTING	CEILING TYPE	COLOR TEMP	WATTS	MANUFACTURER	NOTES
LA4	INDUSTRIAL PENDANT LINEAR, 4' - 0" LONG	PENDANT	GYP DRYWALL	4000K	19 VA	LITHONIA LIGHTING: CLX L48 3000LM SEF FDL MVOLT GZ1 40K 80CRI WH ZACVH M100	1, 2
SA4*	SURFACE LINEAR, 4' - 0" LONG	SURFACE	ACOUSTIC GRID	4000K	19 VA	LITHONIA LIGHTING: CLX L48 3000LM SEF FDL MVOLT GZ1 40K 80CRI WH	1, 2
TA2	RECESSED TROFFER, 2' - 0" LONG	RECESSED	ACOUSTIC GRID	4000K	29 VA	LITHONIA LIGHTING: 2GTL2 33L GZ1 LP840	1, 2
TA4	RECESSED TROFFER, 4' - 0" LONG	RECESSED	ACOUSTIC GRID	4000K	30 VA	LITHONIA LIGHTING: 2GTL4 40L GZ1 LP840	1, 2, 3
TA4-D	RECESSED TROFFER, 4' - 0" LONG	RECESSED	GYP DRYWALL	4000K	30 VA	LITHONIA LIGHTING: 2GTL4 40L GZ1 LP840	1, 2, 3

* ALL LED FIXTURES TO HAVE WARRANTY TO MEET OR EXCEED WARRANTY INCLUDED IN BASIS OF DESIGN. FIXTURES LISTED AS EQUALS SHALL MEET DELIVERED LUMENS, CRI, EFFICACY AND OPTIONS OF THAT SPECIFIED. REFER TO SPECIFICATIONS 265100 AND 265600 FOR ADDITIONAL REQUIREMENTS.

* FIELD COORDINATE AND FIELD MEASURE FOR CUSTOM LENGTH FIXTURES, LENGTHS PROVIDED ARE ROUNDED AND DEPEND ON FIELD CONDITIONS.

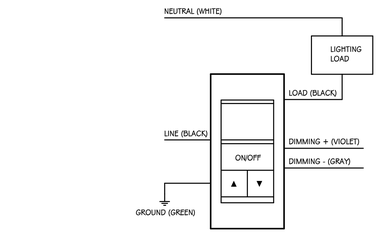
1 THE MOUNTING DESCRIPTION IS GENERAL. REFER TO SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC MOUNTING DETAILS.

2 PROVIDE A 10W INTEGRAL BATTERY BACKUP FOR FIXTURES LABELED AS "-EM".

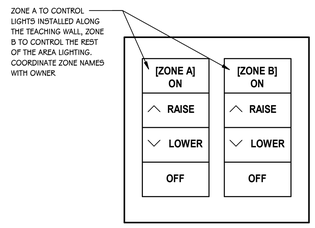
3 PROVIDE A DRYWALL CEILING MOUNTING ACCESSORY.

LIGHTING CONTROL SCHEDULE

ROOM #	ROOM NAME	AREA	ALLOWANCES (2019 ASHRAE)		ACTUAL LIGHTING POWER		OCCUPANCY SENSOR		MANUAL CONTROL	
			LPD	WATTS	LPD	WATTS	AUTO ON	AUTO OFF	SWITCH REQUIRED	DIMMER
A107	WORK RM	160	0.74 W/ft²	118 VA	0.38 W/ft²	60 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A290B	STORAGE	303	0.38 W/ft²	115 VA	0.30 W/ft²	90 VA	-	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A115	BOYS	110	0.63 W/ft²	69 VA	0.52 W/ft²	57 VA	100%	100% AFTER 20 MINS	YES	-
B109	TLT	136	0.63 W/ft²	86 VA	0.63 W/ft²	86 VA	100%	100% AFTER 20 MINS	YES	-
A292B	CORRIDOR	1110	0.41 W/ft²	455 VA	0.23 W/ft²	257 VA	100%	50% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A292C	CORRIDOR	1069	0.41 W/ft²	438 VA	0.24 W/ft²	257 VA	100%	50% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
D108	CAFETERIA	6017	0.40 W/ft²	2407 VA	0.16 W/ft²	960 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A133	CORRIDOR	4302	0.41 W/ft²	1764 VA	0.22 W/ft²	944 VA	100%	50% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
D110	CORRIDOR	5479	0.41 W/ft²	2246 VA	0.20 W/ft²	1115 VA	100%	50% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A116	MECH	160	0.43 W/ft²	69 VA	0.23 W/ft²	37 VA	-	-	YES	-
B101	CONFERENCE	325	0.97 W/ft²	315 VA	0.28 W/ft²	90 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A226	CLASSROOM	811	0.71 W/ft²	576 VA	0.44 W/ft²	360 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A106	STORAGE	154	0.38 W/ft²	58 VA	0.39 W/ft²	60 VA	-	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A294	CLASSROOM	736	0.71 W/ft²	523 VA	0.49 W/ft²	360 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A293	CLASSROOM	725	0.71 W/ft²	515 VA	0.50 W/ft²	360 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A292A	STORAGE	320	0.38 W/ft²	122 VA	0.38 W/ft²	120 VA	-	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A292	CLASSROOM	766	0.71 W/ft²	544 VA	0.47 W/ft²	360 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
B110	MECH	127	0.43 W/ft²	54 VA	0.15 W/ft²	19 VA	-	-	YES	-
B111A	STORAGE	100	0.38 W/ft²	38 VA	0.30 W/ft²	30 VA	-	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A229	CLASSROOM	761	0.71 W/ft²	540 VA	0.47 W/ft²	360 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A228	CLASSROOM	839	0.71 W/ft²	596 VA	0.43 W/ft²	360 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
B221	HOMEMAKING	775	0.71 W/ft²	550 VA	0.35 W/ft²	270 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
B220	CLASSROOM	913	0.71 W/ft²	648 VA	0.46 W/ft²	420 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A290	CLASSROOM	1087	0.71 W/ft²	772 VA	0.41 W/ft²	450 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A225	CLASSROOM	809	0.71 W/ft²	574 VA	0.41 W/ft²	330 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
B223	CLASSROOM	809	0.71 W/ft²	574 VA	0.45 W/ft²	360 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
B222	CLASSROOM	1032	0.71 W/ft²	733 VA	0.44 W/ft²	450 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
A291	CLASSROOM	1116	0.71 W/ft²	792 VA	0.40 W/ft²	450 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
1ST FLOOR WEST		31049		16292 VA		9073 VA				
Grand total		31049		16292 VA		9073 VA				

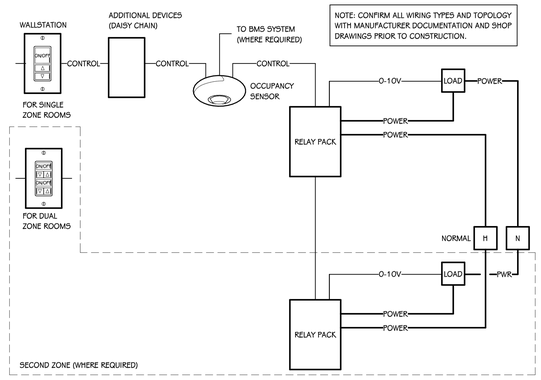


3 / E 420 WALL SWITCH OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE

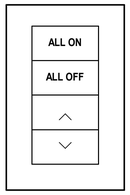


LV -4A

1 / E 420 DUAL ZONE DIMMING CONTROLLER
SCALE: NONE



4 / E 420 OCCUPANCY SENSOR WIRING DIAGRAM
SCALE: NONE



LV -2A

2 / E 420 SINGLE ZONE - 1 GANG DIMMING CONTROLLER
SCALE: NONE

DRAWN BY: XXX 2/6/2026 4:18:07 PM

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ADDENDUM 02	02/06/26
ISSUED FOR	DATE

PROJECT TITLE
EDWARDSBURG MIDDLE SCHOOL -
MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
LIGHTING SCHEDULE AND DETAILS

DATE
JANUARY 16, 2026

SHEET NUMBER
E 420
21-201.041

TowerPinkster
Architecture · Engineering · Interiors

ADDENDUM NO. 2

DATE OF ISSUANCE: **February 6, 2026**

PROJECT: **Edwardsburg High School – Mechanical Upgrades**
69358 Section St.
Edwardsburg, MI 49112

OWNER: **Edwardsburg Public Schools**

ARCHITECT'S PROJECT NO.: 21-201.061

ORIGINAL BID ISSUE DATE: January 16, 2026

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

DOCUMENTS INCLUDED IN THIS ADDENDUM
This Addendum includes **2** pages of text and the following documents:

- Bidding Documents: **None**
- Contract Conditions: **None**
- Specification Sections: **None**
- Drawings**: G 001, AD 201D, A 201D, ED 201D, E 101D, E 201D, E420**

CHANGES TO PREVIOUSLY ISSUED ADDENDA

None.

CHANGES TO BIDDING REQUIREMENTS

None.

CHANGES TO CONTRACT CONDITIONS

None.

CHANGES TO SPECIFICATIONS

None

CHANGES TO DRAWINGS

ADD-2 Item No. D-1 - Update alternates

G 001 – Removed alternate 01 from the drawings. This is now base bid.

ADD-2 Item No. D-2 - Added Electrical Sheets

G 001 –On the cover sheet added electrical sheets ED 201D, E 201D, and E 420 to the drawing index.
ED 201A – Added new lighting and lighting controls demolition drawing.
E 201A – Added new lighting drawing.
E 420 – Added new lighting schedules, details, and controls drawing.

ADD-2 Item No. D-3 - Ceiling Demolition

AD 201D – Updated keynote for ceiling to reflect the work that is to be provided as base bid rather than an alternate

ADD-2 Item No. D-4 - New Ceilings

A 201D – Updated keynote for ceiling to reflect the work that is to be provided as base bid rather than an alternate
E 101D – Removed mechanical mezzanine lighting from the power plan.

END OF ADDENDUM.

EDWARDSBURG HIGH SCHOOL - MECHANICAL UPGRADES

EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

CONSTRUCTION DOCUMENTS - BP7

DESIGN TEAM

ARCHITECT/ENGINEER

TowerPinkster
Architecture · Engineering · Interiors

242 E. KALAMAZOO AVE, SUITE 100
KALAMAZOO, MICHIGAN 49007
PHONE: 269.343.6133
FAX: 269.343.6633

CONSTRUCTION MANAGER

SKILLMAN

8120 MOORSBRIDGE RD., SUITE 101
PORTAGE, MI 49024
PHONE: 269.350.5757
FAX: 269.903.2869

SITE ADDRESS

EDWARDSBURG HIGH SCHOOL
69358 SECTION ST
EDWARDSBURG, MI 49112

REFERENCED CODES

BUILDING:	2021 MICHIGAN BUILDING CODE AND 2012 NFPA 101 LIFE SAFETY CODE
BUILDING:	2021 MICHIGAN REHABILITATION CODE
ENERGY:	2021 MICHIGAN ENERGY CODE
PLUMBING:	2021 MICHIGAN PLUMBING CODE
MECHANICAL:	2021 MICHIGAN MECHANICAL CODE
FUEL GAS:	(IFGC) 2021 INTERNATIONAL FUEL GAS CODE
ELECTRICAL:	2023 NATIONAL ELECTRICAL CODE WITH MICHIGAN AMENDMENTS
BARRIER-FREE:	2021 MICHIGAN BUILDING CODE AND 2017 ICC & C A117.1
USE GROUP:	E AND A-1
CONSTRUCTION TYPE:	TYPE IIB
AUTOMATIC SPRINKLERS:	PARTIALLY SPRINKLED

PROJECT AREA

TOTAL BUILDING AREA:	162,600 SQ. FT.
ALTERATION LEVEL:	LEVEL 1: 1 FOR 1 AHU REPLACEMENT LEVEL 2: 25,237 SQ. FT.

ALTERNATES

A1

ALTERNATE 01: NOT USED

ALTERNATE 02: PROVIDE NEW LIGHTING AND CONTROLS IN LIEU OF REINSTALLING EXISTING LIGHT FIXTURES IN SELECT CLASSROOMS

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G 002 TYPICAL SYMBOLS AND REFERENCES, ABBREVIATIONS, DEVICE ALIGNMENT
G 103 OVERALL CODE COMPLIANCE PLAN

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MG 001 MECHANICAL & PLUMBING GENERAL NOTES, ABBREVIATIONS, AND SYMBOLS

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PD 100 OVERALL PLUMBING DEMOLITION PLAN

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A1
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ADDENDUM 02 02-06-2026

ISSUED FOR DATE

PROJECT TITLE
EDWARDSBURG HIGH SCHOOL - MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS
Edwardsburg, Michigan

DATE
JANUARY 16, 2026

SHEET TITLE
COVER SHEET

SHEET NUMBER
G 001
21-201.061

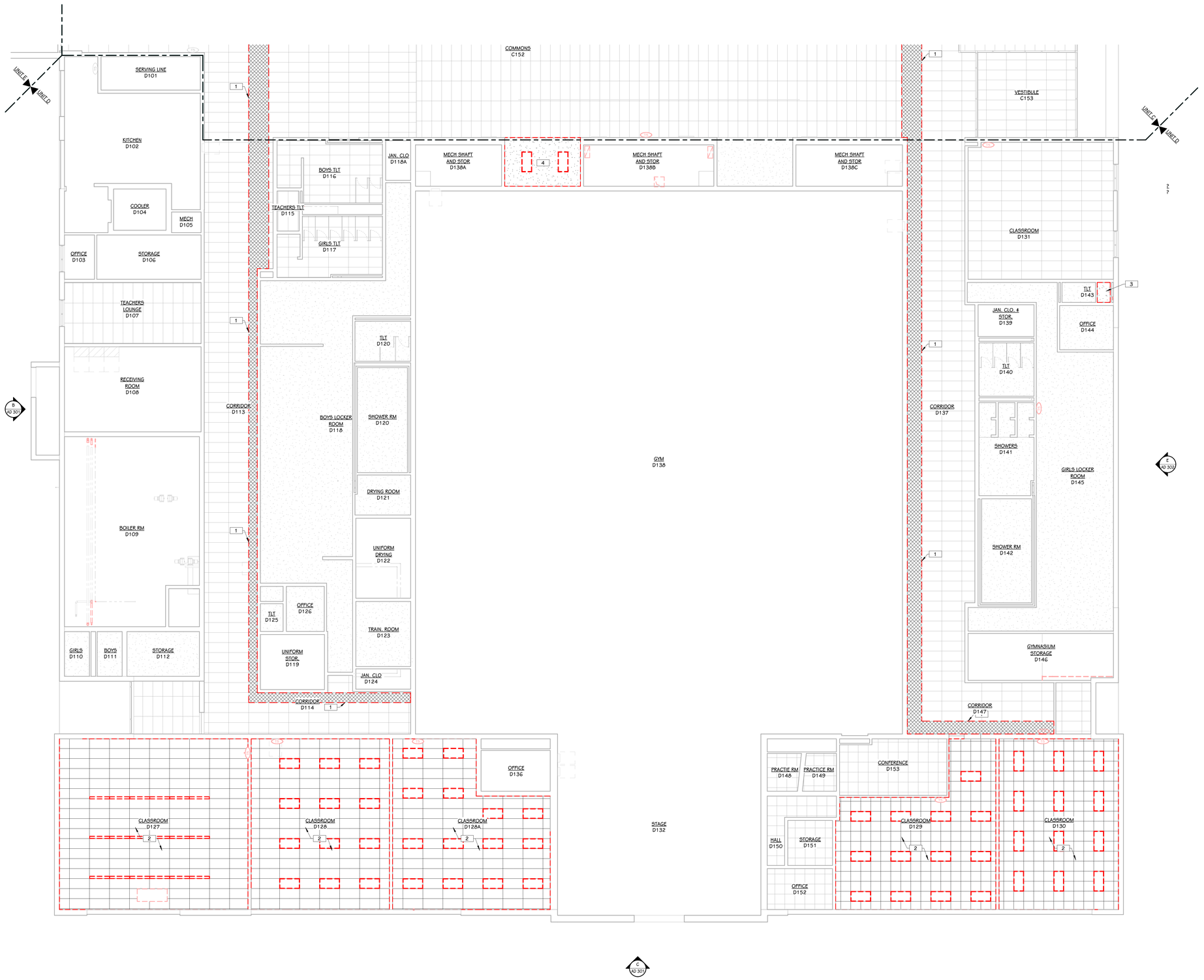
KEYED NOTES - REFLECTED CEILINGS - DEMOLITION

1 REMOVE 4 SALVAGE CEILING TILE AS REQUIRED FOR INSTALLATION OF PLUMBING PIPE & PIPE ENCLOSURE - REFER TO PLUMBING

2 REMOVE SUSPENDED CEILING SYSTEM

3 REMOVE PLASTER CEILING

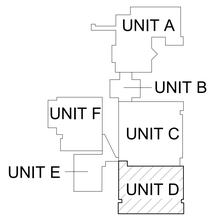
4 REMOVE PLASTER CEILING COMPLETELY TO INSTALL NEW AHU IN MEZZANINE - REFER TO MECHANICAL AND STRUCTURAL



FIRST FLOOR REFLECTED CEILING DEMOLITION PLAN - UNIT D
1/8" = 1'-0"

THIS DRAWING SHEET IS INTENDED TO BE PLOTTED IN COLOR. IF THIS TEXT APPEARS IN BLACK AND WHITE, IT IS PLOTTED INCORRECTLY. DISCARD AND OBTAIN AN ACCURATE DRAWING

EDWARDSBURG HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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ADDENDUM 02	02-06-2026
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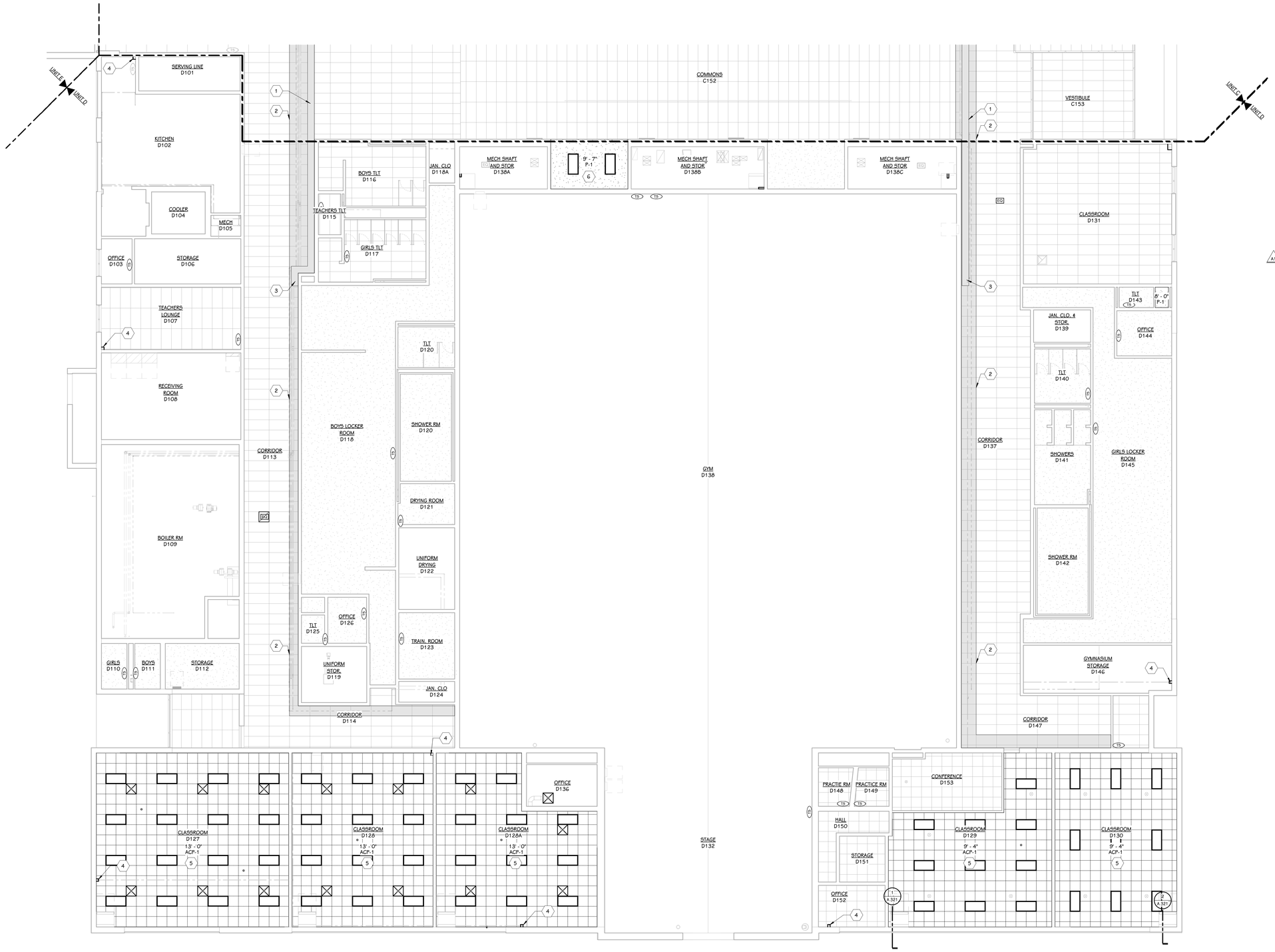
PROJECT TITLE
EDWARDSBURG HIGH SCHOOL - MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS
Edwardsburg, Michigan

SHEET TITLE
FIRST FLOOR DEMOLITION CEILING PLAN - UNIT D

DATE
JANUARY 16, 2026

SHEET NUMBER
AD 201D
21-201.061



FIRST FLOOR REFLECTED CEILING PLAN - UNIT D
1/8" = 1'-0"

KEY - REFLECTED CEILING

- GYPSUM BOARD
- LAY-IN ACOUSTICAL TILE GRID
- OR — LIGHTING - REFER TO ELECTRICAL LIGHTING PLAN
- MECHANICAL - REFER TO MECHANICAL SHEET METAL PLAN

GENERAL NOTES - REFLECTED CEILINGS

1. WHERE CEILING TILE IS LESS THAN 3" AT PERIMETER OF ROOM PROVIDE A CUT 2x4 TILE IN LIEU OF FULL 2x2 TILE AND SMALL PIECE OF TILE OR DOUBLE GRID - MATCH 2x2 FOR STYLE AND COLOR.

KEYED NOTES - ARCHITECTURAL - REFLECTED CEILING

1 METAL PIPE ENCLOSURE FOR NEW PLUMBING LINES. REFER TO PLUMBING.

2 REINSTALL SALVAGED LAY IN CEILING TILES

3 ROUTE PLUMBING LINES VERTICAL IN ORDER TO RUN NEW PIPING ABOVE THE CEILING GRID - REFER TO PLUMBING

4 TEMPORARILY REMOVE CEILING TILES TO INSTALL PLUMBING LINES TO VERTICAL METAL ENCLOSURE. INSTALL METAL ENCLOSURE BELOW CEILING GRID - COORDINATE LOCATIONS WITH PLUMBING

5 NEW CEILING GRID AND TILE IS TO BE AT SAME HEIGHT AS REMOVED TILE. INSTALL ACP-1

6 5/8" GYPSUM BOARD ON 3 5/8" METAL STUDS AT 16" O.C. - PAINT AND HEIGHT TO MATCH EAST GYM ENTRY CEILING

7 PAINT ENTIRE WALL TO MATCH EXISTING WALL COLOR

ADDENDUM 02	02-06-2026
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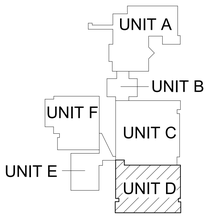
EDWARDSBURG HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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PROJECT TITLE
EDWARDSBURG HIGH SCHOOL - MECHANICAL UPGRADES

OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
FIRST FLOOR REFLECTED CEILING PLAN - UNIT D

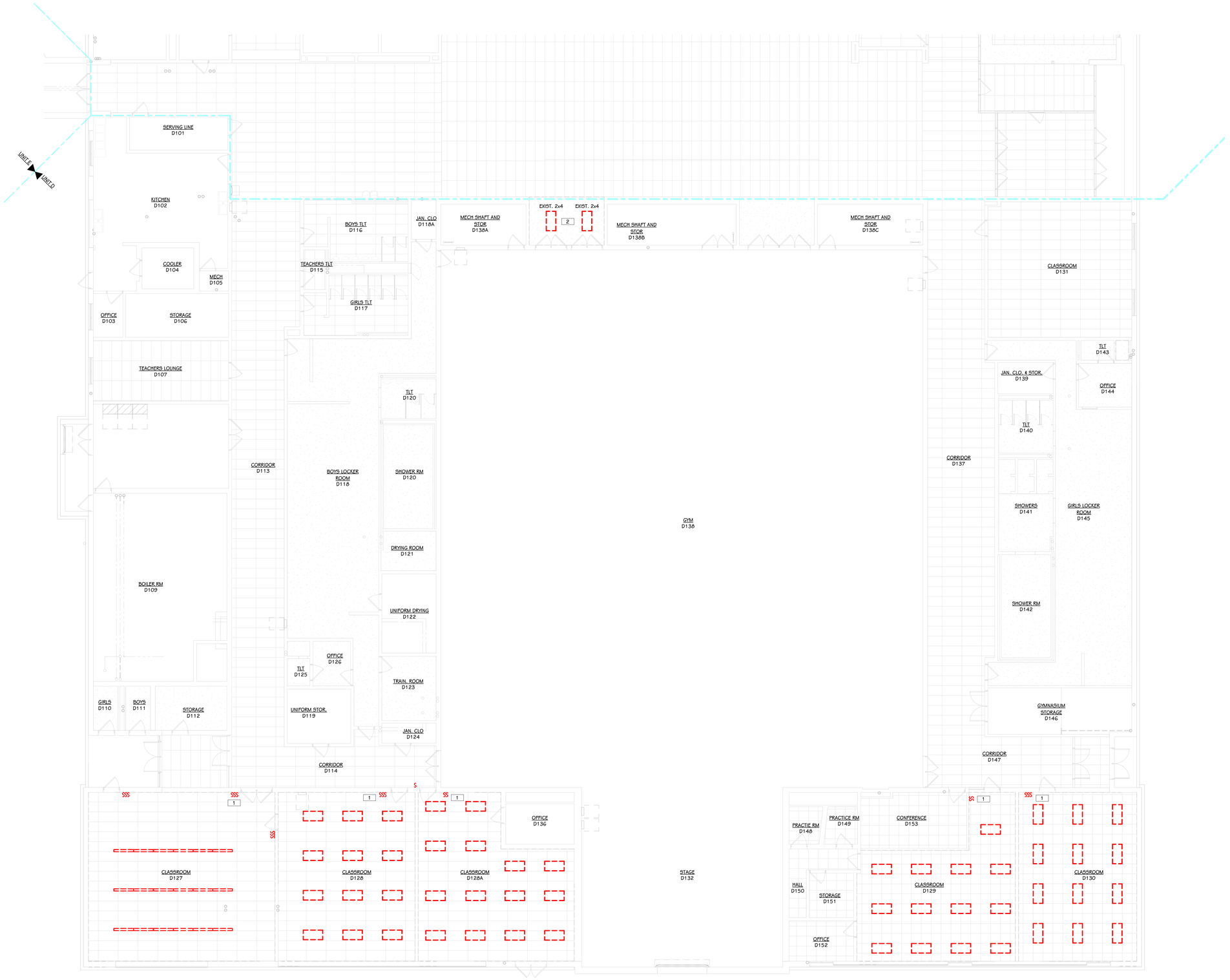
DATE
JANUARY 16, 2026

SHEET NUMBER
A 201D
21-201.061

KEYED NOTES - ELECTRICAL - DEMOLITION - LIGHTING

1 MAINTAIN EXISTING LIGHTING CIRCUIT IN THIS AREA.

2 DISCONNECT FIXTURES AND REINSTALL PER DRAWING E 200D, MAINTAIN EXISTING CIRCUIT.



FIRST FLOOR DEMOLITION LIGHTING PLAN - UNIT D

1/8" = 1'-0"

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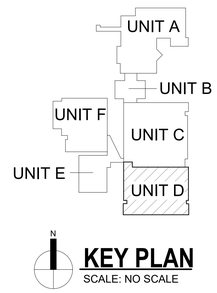
EDWARDSBURG HIGH SCHOOL



KEY PLAN

SCALE: NO SCALE

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OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

DATE
JANUARY 16, 2026

SHEET TITLE
FIRST FLOOR LIGHTING DEMOLITION PLAN - UNIT D

SHEET NUMBER
ED 201D
21-201.061

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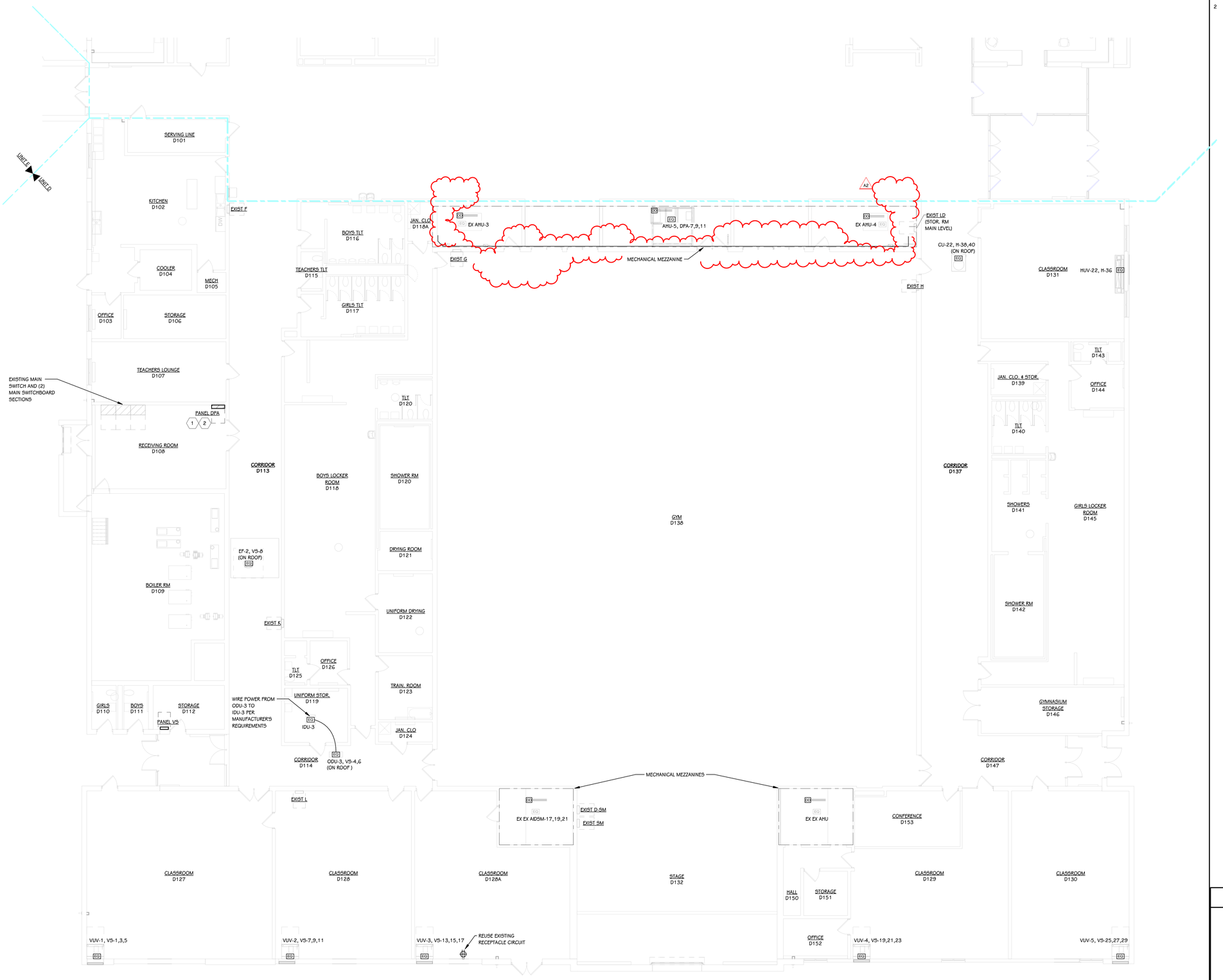


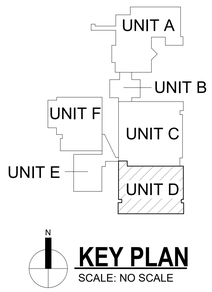
FIRST FLOOR POWER PLAN - UNIT D
1/8" = 1'-0"

KEYED NOTES - ELECTRICAL - POWER

1 PROVIDE NEW 3P225A CIRCUIT BREAKER IN NEW PANEL "DPA" FOR NEW "VUV-5" PANEL.

2 PROVIDE NEW 3P400A CIRCUIT BREAKER IN NEW PANEL "DPA" FOR NEW "VUV-N" PANEL.

EDWARDSBURG HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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FIRST FLOOR POWER PLAN - UNIT D

DATE
JANUARY 16, 2026

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E101D
21-201.061

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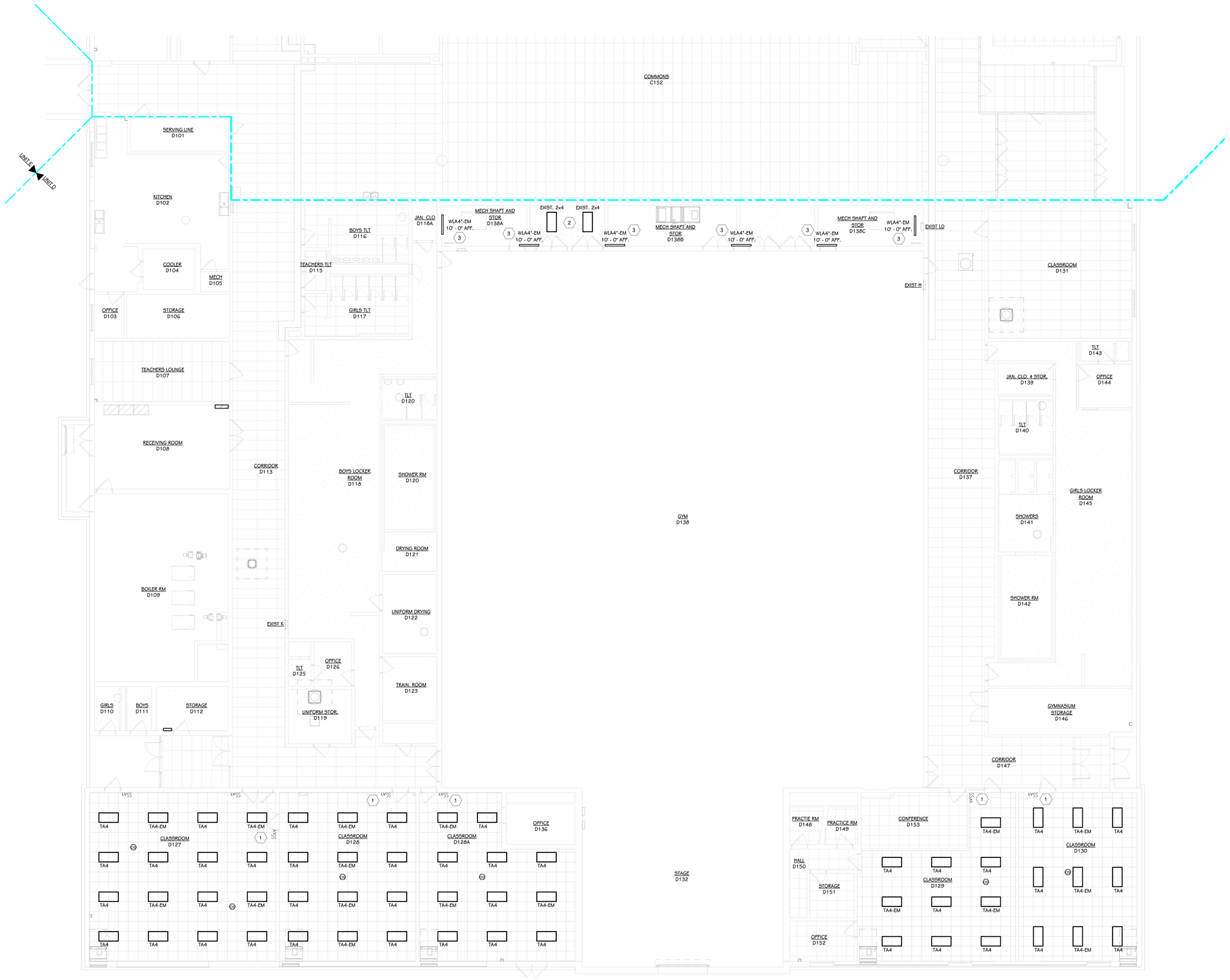
KEYED NOTES - ELECTRICAL - LIGHTING

1 CONNECT NEW LIGHTING TO THE EXISTING LIGHTING CIRCUIT IN THIS AREA.

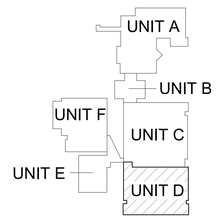
2 LOCATION FOR FIXTURES TO BE REINSTALLED PER DRAWING ED 200D. RECONNECT TO THE EXISTING LIGHTING CIRCUIT AND CONTROLS.

3 TYPE WLA FIXTURES ARE LOCATED IN THE MECHANICAL MEZZANINE ABOVE THIS SPACE, MOUNTING HEIGHT IS TO BE MEASURED FROM THE MEZZANINE FLOOR. CONNECT TO THE EXISTING LIGHTING CIRCUIT AND CONTROLS IN THE MEZZANINE AREA.



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

EDWARDSBURG HIGH SCHOOL



KEY PLAN
SCALE: NO SCALE

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FIRST FLOOR LIGHTING PLAN - UNIT D

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21-201.061

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LIGHT FIXTURE SCHEDULE

SERIES	DESCRIPTION	MOUNTING	COLOR TEMP	WATTS	MANUFACTURER	NOTES
TA4	RECESSED TROFFER, 4' - 0" LONG	RECESSED	4000K	30 VA	LITHONIA LIGHTING: 2GTL4 40LM GZ1 LP840	1, 2
WLA	WALL MOUNT LED LINEAR, 4' - 0" LONG	WALL	4000K	38 VA	LITHONIA LIGHTING: CDS L48 4000LM MVOLT 40K 80CRI	1, 2

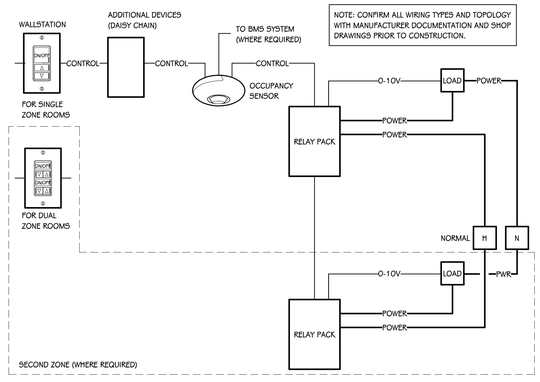
* ALL LED FIXTURES TO HAVE WARRANTY TO MEET OR EXCEED WARRANTY INCLUDED IN BASIS OF DESIGN. FIXTURES LISTED AS EQUALS SHALL MEET DELIVERED LUMENS, CRI, EFFICACY AND OPTIONS OF THAT SPECIFIED. REFER TO SPECIFICATIONS 265100 AND 265600 FOR ADDITIONAL REQUIREMENTS.
* FIELD COORDINATE AND FIELD MEASURE FOR CUSTOM LENGTH FIXTURES, LENGTHS PROVIDED ARE ROUNDED AND DEPEND ON FIELD CONDITIONS.

1 THE MOUNTING DESCRIPTION IS GENERAL. REFER TO SHOP DRAWINGS AND MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR SPECIFIC MOUNTING DETAILS.

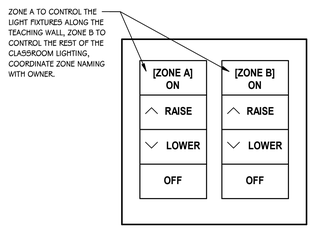
2 PROVIDE A 10W INTEGRAL BATTERY BACKUP FOR FIXTURES LABELED AS "-EM".

LIGHTING CONTROL SCHEDULE

ROOM #	ROOM NAME	AREA	ALLOWANCES (2019 ASHRAE)		ACTUAL LIGHTING POWER		OCCUPANCY SENSOR		MANUAL CONTROL	
			LPD	WATTS	LPD	WATTS	AUTO ON	AUTO OFF	SWITCH REQUIRED	DIMMER
D130	CLASSROOM	814	0.71 W/ft²	578 VA	0.33 W/ft²	270 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
D129	CLASSROOM	823	0.71 W/ft²	585 VA	0.36 W/ft²	300 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
D128	CLASSROOM	943	0.71 W/ft²	669 VA	0.38 W/ft²	360 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
D127	CLASSROOM	1285	0.90 W/ft²	1157 VA	0.37 W/ft²	480 VA	50%	100% AFTER 20 MINS	YES	WITHIN A DAYLIGHT ZONE
FIRST FLOOR		3865		2989 VA		1410 VA				
Grand total		3865		2989 VA		1410 VA				



1 / E 420 OCCUPANCY SENSOR WIRING DIAGRAM
12" = 1'-0"



2 / E 420 DUAL ZONE DIMMING CONTROLLER
12" = 1'-0"

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OWNER
EDWARDSBURG PUBLIC SCHOOLS

Edwardsburg, Michigan

SHEET TITLE
LIGHTING SCHEDULE AND DETAILS

DATE
JANUARY 16, 2026

A2
SHEET NUMBER
E 420
21-201.061