

**DOCUMENT 00 90 00**  
**ADDENDUM**

**ADDENDUM No.:** 2

**DATE:** January 16, 2025

**RE:** LA CROSSE HOUSING AUTHORITY  
2024 CAPITAL IMPROVEMENT PROJECTS  
LA CROSSE, WISCONSIN  
PROJECT NO. 24048

**FROM:** HSR Associates, Inc  
100 Milwaukee Street  
La Crosse, WI 54603  
(608) 784-1830

**TO:** Prospective Bidders

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This addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated January 2025. Acknowledge receipt of this Addendum in the space provided on the bid form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of: 3 pages, 1 document, 1 section, and 16 drawings.

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**CHANGES TO INTRODUCTORY INFORMATION AND BIDDING REQUIREMENTS:**

1. Document 00 01 10 TABLE OF CONTENTS
  - a. See the revised document included in this addendum. Disregard the previous version.
  - b. Added section 26 32 13 Engine Generator

**CHANGES TO SPECIFICATIONS:**

2. Section 26 32 13 Engine Generator
  - a. See the new section included in this addendum.

**CHANGES TO DRAWINGS**

3. Sheet G000 COVERSHEET 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised Index of Drawings to include added sheets E304 & E305.
4. Sheet A102 REFLECTED CEILING PLANS AND DOOR SCHEDULE 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised door thickness at 107.1 & 108 from 1 ½" to 1 ¾".
5. Sheet A201 REFLECTED CEILING PLAN AND DOOR SCHEDULE 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised ceiling layout to accommodate lighting revisions.

6. Sheet A501 REFLECTED CEILING & ROOF PLANS AND ELEVATIONS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Revised ceiling layout to accommodate lighting revisions.
7. Sheet E100 1ST & 2-7TH FLOOR LIGHTING PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Updated light fixture schedule.
  - c. Added a basic symbols legend.
  - d. Updated key notes, adding #6 & #7 for generator and VFDs.
  - e. Added lighting in Wellness Room #118 to demo and new plans.
  - f. Added all stairways to replace existing various strip light fixtures, demo & new plans.
  - g. Updated 3/E100 & 4/E100 north and east stairwell callouts.
8. Sheet E101 1ST FL & 8TH FLOOR POWER PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Updated key notes, adding #6 & #7 for generator and VFDs.
  - c. Added general notes for generator and VFDs to 3/E101 & 4/E101, 8th floor demo & new.
  - d. Added "General Notes Generator" with requirements for rental unit for emergency backup.
9. Sheet E200 1ST FLOOR LIGHTING PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Updated fixture model tags in south corridor.
10. Sheet E201 2ND – 8TH FLOOR LIGHTING PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Tagged all light fixtures on 8th floor new, 4/E201.
11. Sheet E300 1ST & 2ND FLOOR LIGHTING DEMO PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added callout for typical 1 bedroom lighting replacement upgrades, demo & new.
  - c. Updated notes and drawings on the stairwell lighting.
12. Sheet E301 1ST & 2ND FLOOR LIGHTING REMODEL PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added callout for typical 1 bedroom lighting replacement upgrades, demo & new.
  - c. Updated notes and drawings on the stairwell lighting.
13. Sheet E302 3RD-5TH AND 6TH FLOOR LIGHTING DEMO PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Updated notes and drawings on the stairwell lighting.
14. Sheet E303 3RD-5TH AND 6TH FLOOR LIGHTING REMODEL PLAN 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Updated notes and drawings on the stairwell lighting.
15. Sheet E304 1ST FLOOR POWER DEMO & REMODEL 30"x42"
  - a. See the new sheet included in this addendum.
  - b. Added sheet for kitchen details.
16. Sheet E305 2ND FLOOR POWER DEMO & REMODEL 30"x42"
  - a. See the new sheet included in this addendum.
  - b. Added sheet for laundry details.

17. Sheet E400 1ST FLOOR LIGHTING REMOVAL & REMODEL 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Added (4) fixtures to the hard gypsum ceiling just inside the entryway.
18. Sheet E500 LIGHTING DEMO AND REMODEL PLANS 30"x42"
  - a. See the revised sheet included in this addendum. Disregard the previous version.
  - b. Updated light fixture schedule.
  - c. Tagged light fixtures on plan.
  - d. Added a basic symbols legend.

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## SECTION 26 32 13

### ENGINE GENERATOR

#### PART 1: GENERAL

##### 1.01 SECTION INCLUDES

- A. Packaged engine generator system.
- B. Silencer, Flexible exhaust and fittings.
- C. Fuel system piping and accessories
- D. Battery and charger.
- E. Radiator and associated piping.

##### 1.02 REFERENCES

- A. ANSI/NEMA MG 1 - Motors and Generators.
- B. ANSI/NFPA 70 - National Electrical Code.

##### 1.03 SYSTEM DESCRIPTION

- A. Engine generator system to provide source of standby power.
- B. System Capacity: 40 kW, 50 kVA at elevation to 3500 feet above sea level, and ambient temperature to 104 degrees C standby rating.

##### 1.04 SUBMITTALS

- A. Submit shop drawings and product data under provisions of Section 01 30 00.
- B. Submit shop drawings showing plan and elevation views with overall and interconnection point dimensions, fuel consumption rate curves at various loads, ventilation and combustion air requirements, and electrical diagrams including schematic and interconnection diagrams.
- C. Submit product data showing dimensions, weights, ratings, interconnection points, and internal wiring diagrams for engine, generator, control panel, battery, battery rack, battery charger, exhaust silencer, vibration isolators, and remote annunciator. VERIFY SELETED MODEL WILL FIT THE ACCESS AVAILABLE TO THE BOILER ROOM.
- D. Submit manufacturer's installation instructions under provisions of Section 01 30 00.

##### 1.05 PROJECT RECORD DOCUMENTS

- A. Submit record documents under provisions of Section 01 70 00.
- B. Accurately record location of engine generator and mechanical and electrical connections.

## **1.06 OPERATION AND MAINTENANCE DATA**

- A. Submit operation and maintenance data under provisions of Section 01 70 00.
- B. Include instructions for normal operation, routine maintenance requirements, service manuals for engine, oil sampling and analysis for engine wear, and emergency maintenance procedures.

## **1.07 QUALIFICATIONS**

- A. Manufacturer: Company specializing in packaged engine generator systems.

## **1.08 WARRANTY**

- A. Provide five-year warranty under provisions of Section 01 70 00. Provide options for five-year limited warranty, and five-year comprehensive warranty.
- B. The generator set manufacturer shall warrant all equipment provided under this section whether it is manufactured by the generator set manufacturer, so that there is one source for warranty and product service. Technicians specifically trained and certified by the manufacturer to support the product and employed by the generator set supplier shall service the generator sets.

## **PART 2: PRODUCTS**

### **2.01 MANUFACTURERS – SEE DRAWING FOR BASIS OF DESIGN MODEL.**

- A. Kohler
- B. Cummin's N Power/Onan
- C. MTU
- D. Generac Industrial Power
- E. Caterpillar Inc.
- F. Substitutions: Under provisions of Section 01 25 00.

### **2.02 GENERATOR SETS**

- A. Ratings: 40 KW/50 KVA Standby, 120/208 volt, 3 phase, 4-wire, 60 HZ.
- B. Provide a complete factory assembled generator set equipment with digital electronic controls and fan cooled radiator.
- C. Provide factory test, startup by a supplier authorized by the manufacturer, and on-site testing of the system.
- D. Voltage regulation shall be plus or minus 0.5 percent for any constant load between no load and rated load for non – parallel applications. Random voltage variation with any steady load from no load to full load shall not exceed plus or minus 0.5 percent.
- E. Frequency regulation shall be isochronous from steady state no load to steady rated load. Random frequency variation with any steady load from no load to full load shall not exceed plus or minus 0.25%.

- F. The engine-generator set shall be capable of single step load pick up of 100% nameplate KW and power factor, less applicable derating factors, with the engine-generator set at operating temperature.
- G. The Alternator shall produce a clean AC voltage waveform, with not more than 5% total harmonic distortion at full linear load, when measured from line to neutral, and with not more than 3% in any single harmonic.
- H. The engine-generator set shall be mounted on heavy-duty steel base to maintain alignment between components.
- I. Provide air duct adapter on radiator for direct ventilation to exterior.

### **2.03 ENGINE AND ENGINE EQUIPMENT**

- A. Type: Fan cooled radiator, 8-cylinder, four cycle, spark-ignited type.
- B. Fuel System: Natural gas (7" WC). Include all pressure regulators, strainers, flexible fuel connection and control valves. The fuel system shall be plumbed to the generator set skid for ease of site connections to the generator set.
- C. Governor: An electronic governor system shall provide automatic isochronous frequency regulation. The governing system dynamic capabilities shall be controlled as a function of engine coolant temperature to provide fast, stable operation at varying engine operating temperature conditions. The control system shall actively control the fuel rate and excitation as appropriate to the state of the generator set. Fuel rate shall be regulated as a function of starting, accelerating to start, disconnect speed, and operating in various isochronous states.
- D. Safety Devices: Engine shutdown on high water temperature, low oil pressure, overspeed, and engine overcrank. Limits as selected by manufacturer.
- E. Engine Starting: DC starting system with positive engagement, number and voltage of starter motors in accordance with manufacturer's instructions. Include remote starting control circuit, with MANUAL-OFF-REMOTE selector switch on engine-generator control panel.
- F. Engine Accessories: Lube oil filter(s), intake air filter(s), gear-driven water pump. Include water temperature gage, and lube oil pressure gage on engine-generator control panel. Provide pump motor starters if required.
- G. Base: Mount to heavy steel, skid type base.
- H. Vibration Isolation: Factory installed vibration isolators mounted between the control panel and the generator frame.
- I. Electric starter capable of three complete cranking cycles without overheating.
- J. Positive displacement, mechanical, full pressure, lubrication oil pump.
- K. Full flow lubrication oil filters with replaceable spin-on canister elements and dipstick oil level indicator.
- L. Replaceable dry element air cleaner with restriction indicator.

- M. Engine mounted battery charging alternator, solid state voltage regulator.
- N. Coolant heater:
  - 1. Engine mounted, thermostatically controlled. Heater voltage shall be 120 volt.
  - 2. The coolant heater shall be installed on the engine with silicone hose connections. Steel tubing shall be used for connections into the engine coolant system wherever the length of pipe run exceeds 12 inches. Installation shall be specifically designed to provide proper venting of the system. The heater shall be installed using quick disconnect couplers to isolate the heater for heater replacement of the heater element. The quick disconnect/automatic sealing couplers shall allow the heater element to be replaced without draining the engine cooling system or significant coolant loss.
  - 3. The coolant heater shall be provided with a thermostat, installed at the engine thermostat housing. An AC power connection box shall be provided for a single AC power connection to the coolant heater system.
  - 4. The coolant heater shall be sized as recommended by the engine manufacturer to warm the engine to a minimum of 100F in a 40F ambient, in compliance with NFPA 110 requirements, or the temperature required for starting and load pickup requirements of this specification.
- O. Starting and control batteries shall be calcium/lead antimony type, sized as recommended by the engine manufacturer, complete with battery cables and connectors.

## **2.04 GENERATOR**

- A. ANSI/NEMA MG 1; The AC generator shall be; synchronous, four pole, 1800 rpm, 2/3pitch, revolving field, drip proof construction, single pre-lubricated sealed bearing, air cooled by a direct drive centrifugal blower fan.
- B. Insulation: ANSI/NEMA MG 1, Class H.
- C. Temperature Rise: 105 degrees C standby.
- D. Enclosure: ANSI/NEMA MG1: open drip proof.
- E. The generator shall be capable of delivering rated output at rated frequency and power factor, at any voltage not more than 5 percent above or below rated voltage.
- F. A permanent magnet generator (PMG) shall be included to provide a reliable source of excitation power for optimum motor starting and short circuit performance. The PMG and controls shall be capable of sustaining and regulating current supplied to a single phase or three phase fault at approximately 300% of rated current for not more than 10 seconds.
- G. The subtransient reactance of the alternator shall not exceed 12 percent, based on the standby rating of the generator set.

## **2.05 GENERATOR SET CONTROLS**

- A. The generator set shall be provided with a microprocessor-based control system that is designed to provide automatic starting, monitoring, and control functions for the generator set. The control system shall also be designed to allow local monitoring and control of the generator set.

- B.** The control shall be mounted on the generator set. The control shall be vibration isolated, and prototype tested to verify the durability of all components in the system under the vibration conditions encountered.
- C.** The generator set mounted control shall include the following features and functions:
1. Mode Select Switch: The mode select switch shall initiate the following control modes:
    - a. When in the RUN or Manual position the generator set shall start and accelerate to rated speed and voltage as directed by the operator.
    - b. In the OFF position the generator set shall immediately stop, bypassing all time delays.
    - c. In the AUTO position the generator set shall be ready to accept a signal from a remote device to start and accelerate to rated speed and voltage.
  2. Emergency Stop switch: Switch shall be red "mushroom-head" push-down. Depressing the emergency stop switch shall cause the generator set to immediately shut down and be locked out from automatic restarting.
  3. RESET switch: The RESET switch shall be used to clear a fault and allow restarting the generator set after it has shut down for any fault condition.
  4. PANEL LAMP switch: Depressing the panel lamp switch shall cause the entire panel to be lighted with DC control power. The panel lamps shall automatically be switched off 10 minutes after the switch is depressed, or after the switch is depressed a second time.
  5. The generator-set shall be provided with AC Output Metering as follows:
    - a. Analog voltmeter, ammeter, frequency meter, and kilowatt (KW) meter. Voltmeter and ammeter shall display all three phases. Ammeter and KW meter scales shall be color coded in the following fashion: readings from 0-90% of generator set standby rating: green; readings from 90-100% of standby rating: amber; readings in excess of 100%: red.
    - b. Digital metering set, 0.5% accuracy, to indicate generator RMS voltage and current, frequency, output current, output KW, KW-hours, and power factor. Generator output voltage shall be available in line-to-line and line-to-neutral voltages, and shall display all three phase voltages (line to neutral or line to line) simultaneously.
    - c. Both analog and digital metering are required. The analog and digital metering equipment shall be driven by a single microprocessor, to provide consistent readings and performance.
  6. The generator-set shall be provided with alarm and status indicating lamps as follows:
    - a. Alarm and status lamps shall indicate non-automatic generator status, existing warning and shut-down conditions. The lamps shall be of high-intensity LED type. The lamp condition shall be clearly apparent under bright room lighting conditions. The generator set control shall indicate the existence of the following alarm and shutdown conditions on an alphanumeric digital display panel:
      - low oil pressure (alarm)
      - low oil pressure (shutdown)
      - oil pressure sender failure (alarm)
      - low coolant temperature (alarm)
      - high coolant temperature (alarm)
      - high coolant temperature (shutdown)
      - engine temperature sender failure (alarm)
      - low coolant level (alarm or shutdown – selectable)
      - fail to crank (shutdown)
      - fail to start/overcrank (shutdown)
      - overspeed (shutdown)
      - low DC voltage (alarm)
      - high DC voltage (alarm)
      - weak battery (alarm)
      - high AC voltage (shutdown)

- low AC voltage (shutdown)
- under frequency (shutdown)
- over current (warning)
- over current (shutdown)
- short circuit (shutdown)
- ground fault (alarm)
- overload (alarm)
- emergency stop (shutdown)

7. The following engine status monitoring shall be included:
  - a. engine oil pressure (psi or kPA)
  - b. engine coolant temperature (degrees F or C)
  - c. engine oil temperature (degrees F or C)
  - d. engine speed (rpm)
  - e. number hours of operation (hours)
  - f. number of start attempts
  - g. battery voltage (DC volts)
8. The following engine control functions shall be included:
  - a. The control system shall include a cycle cranking system, which allows for user elected crank time, rest time, and # of cycles. Initial settings shall be for 3 cranking periods of 15 seconds each, with 15 second rest period between cranking periods.
9. The control system shall include an idle mode control, which allows the engine to run in idle mode in the RUN position only. In this mode, the alternator excitation system shall be disabled.
10. The control system shall include an engine governor control, which functions to provide steady state frequency regulation. The governor shall include adjustments for gain, damping, and a ramping function to control engine speed and limit exhaust smoke while unit is starting.
11. The control system shall include adjustable time delay start and time delay stop functions.
12. The control system shall include sender failure monitoring logic for speed sensing, oil pressure, and engine temperature which is capable of discriminating between failure of sender or wiring components, and an actual failure condition.
13. Alternator Control Functions shall include the following:
  - a. The generator set shall include an automatic digital voltage regulation system that is matched and prototyped tested with governing system provided. It shall be immune from mis-operation due to load-induced voltage waveform distortion and provide a pulse width modulated output to the alternator exciter. The voltage regulation system shall be equipped with three-phase RMS sensing and shall control buildup of AC generator voltage to provide a linear rise and limit overshoot. The system shall include a torque-matching characteristic, which shall reduce output voltage in proportion to frequency below a threshold of (58-59) HZ. The voltage regulator shall include adjustments to gain, damping, and frequency roll-off. Adjustments shall be broad range, and made via digital raise-lower switches, with an alphanumeric LED readout to indicate setting level. Rotary potentiometers for system adjustments are not acceptable.
  - b. Controls shall be provided to monitor the output current of the generator set and initiate an alarm (over current warning) when load current exceeds 110% of the rated current of the generator set on any phase for more than 60 seconds. The controls shall shut down and lock out the generator set when output current level approaches the thermal damage point of the alternator. The protective functions provided shall be in compliance to the requirements of NFPA 70 article 445.
  - c. Controls shall be provided to individually monitor all three phases of the output current for short circuit conditions. The control/protection system shall monitor the current level and voltage. The controls shall shut down and lock out the generator set when output current level approaches the thermal damage point of the alternator (short circuit



shutdown). The protective functions provided shall be in compliance to the requirements of NFPA article 445.

- d. Controls shall be provided to monitor the KW load on the generator set, and initiate an alarm condition (overload) when total load on the generator set exceeds the generator set rating for in excess of 5 seconds. Controls shall include a load shed control, to operate a set of dry contacts for use in shedding customer load devices when the generator set is overloaded.
- e. An AC over/under voltage monitoring system that responds only to true RMS voltage conditions shall be provided. The system shall initiate shutdown of the generator set when alternator output voltage exceeds 110% of the operator-set voltage level for more than 10 seconds, or with no intentional delay when voltage exceeds 130%. Under voltage shutdown shall occur when the output voltage of the alternator is less than 85% for more than 10 seconds.
- f. A battery monitoring system shall be provided which initiates alarms when the DC control and starting voltage is less than 25VDC or more than 32VDC. During engine starting, the low voltage limit shall be disabled, and if DC voltage drops to less than 14.4 volts for more than two seconds a "weak battery" alarm shall be initiated.

## **2.06 ACCESSORIES**

- A.** Exhaust: Critical type Silencer, with muffler companion flanges as required and flexible stainless steel exhaust fittings, suitable for horizontal orientation, sized in accordance with engine manufacturer's instructions.
- B.** Batteries: Heavy duty starting type lead-acid storage batteries. Match battery voltage to starting system. Include necessary cables, clamps, and electrolyte.
- C.** Battery Tray: Plastic coated metal or wooden tray treated for electrolyte resistance, constructed to contain spillage of electrolyte, mounted on the skid base.
- D.** Battery Charger: A UL listed/CSA certified 10 amp. voltage regulated battery charger shall be provided. The charger shall be wall mounted. Input AC voltage and DC output voltage shall be as required. Chargers shall be equipped with float, taper, and equalize charge settings. Charger shall include an Analog DC voltmeter, and ammeter, 12 hour equalize charge timer, and AC and DC fuses.
- E.** Field Circuit Breaker: Manual reset generator field circuit breaker. The generator set shall be provided with a mounted main line circuit breaker, sized to carry the rated output current of the generator set. The circuit breaker shall incorporate an electronic trip unit that operates to protect the alternator under all overcurrent conditions, or a thermal-magnetic trip with other overcurrent protection devices that positively protect the alternator under overcurrent conditions. The supplier shall submit time overcurrent characteristic curves and thermal damage curve for the alternator, demonstrating the effectiveness of the protection provided.
- F.** Engine-Generator Control Panel: ANSI/NEMA 250, Type 1 generator mounted control panel enclosure with engine and generator controls and indicators. Include provision for padlock and the following equipment and features:
  - 1. Frequency Meter: 45-65 Hz range, 3-1/2 inch (89 mm) dial.
  - 2. AC Output Voltmeter: 3-1/2 inch (89 mm) dial, 2 percent accuracy, with phase selector switch.
  - 3. AC Output Ammeter: 3-1/2 inch (89 mm) dial, 2 percent accuracy, with phase selector switch.
  - 4. Output voltage adjustment.

5. Push-to-test indicator lamps, one each for low oil pressure, high water temperature, overspeed, and overcrank.
  6. Engine start/stop selector switch.
  7. Engine running time meter.
  8. Oil pressure gage.
  9. Water temperature gage.
  10. Anti condensation heater.
  11. Panel illuminating lights.
- G.** Remote Alarm Annunciator Panels: ANSI/NFPA 110; include engine run indicator lights, flush mounted panels with brushed stainless steel finish.
- H.** Engine lubrication oil: type as recommended by the generator set manufacturer.
- I.** Emergency Shut off Switch. Pilla #BSD120 with #PILNCCB contact Block. Provide Integra #H8064HCFL enclosure with clear cover.

## **PART 3: EXECUTION**

### **3.01 GENERAL**

- A.** Note that electrical wiring, exhaust piping, and water piping shall be sized as required.
- B.** The performance of the generator set shall be certified by an independent testing laboratory as to the sets full power rating (based on a completely assembled unit), stability and voltage and frequency regulations.
- C.** Field Supervision: It is mandatory that prior to securing equipment and making mechanical and electrical connections, the Electrical Contractor shall have factory trained personnel meet at the job site to go over the installation to preclude any installation problems.

### **3.02 OPERATION**

- A.** The generator set shall be installed and wired to provide power for all loads connected to same.
- B.** Upon failure of the normal power source, the loads will be supplied electrically from the generator set through automatic load transfer equipment. When normal power has been re-established, the above loads will be automatically returned to the normal source and the engines will stop after factory-recommended cool-down period.
- C.** Controls shall be provided to allow the manual operation of the generator sets. The generator sets shall be run under load when testing or exercising.
- D.** Sequence of operation:
1. Generator set shall start on receipt of a start signal from remote equipment. The start signal shall be via hardwired connection to the generator set control.
  2. The generator shall complete a time delay start period as programmed into the control.
  3. The generator set control shall initiate the starting sequence for the generator set. The starting sequence shall include the following functions:
    - a. The control system shall verify that the engine is rotating when the starter is signaled to operate. If the engine does not rotate after two attempts, the control system shall shut down and lock out the generator set, and indicate "fail to crank" shutdown.

- b. The engine shall fire and accelerate as quickly as practical to start disconnect speed. If the engine does not start, it shall complete a cycle cranking process as described elsewhere in this specification. If the engine has not started by the completion of the cycle cranking sequence, it shall be shut down and locked out, and the control system shall indicate "fail to start".
- c. The engine shall accelerate to rated speed and the alternator to rated voltage. Excitation shall be disabled until the engine has exceeded programmed idle speed, and regulated to prevent over voltage conditions and oscillation as the engine accelerates and the alternator builds to rated voltage.
- d. On reaching rated speed and voltage, the generator set shall operate as dictated by the control system in isochronous, synchronize, load share, load demand, or load govern state.
- e. When all start signals have been removed from the generator set, it shall complete a time delay stop sequence. The duration of the time delay stop period shall be adjustable by the operator.
- f. On completion of the time delay stop period, the generator set control shall switch off the excitation system and shut down.
- g. Any start signal received after the time stop sequence has begun shall immediately terminate the stopping sequence and return the generator set to isochronous operation.

### **3.03 INSTALLATION**

- A.** The complete system shall be installed as per the generator set manufacturer's recommendations.
- B.** Securely fasten spring type vibration isolators on the existing structural supports. Install isolators parallel to base channels. Securely anchor generator sets to isolators.
- C.** No piping or conduits shall be run on the floor. Provide necessary angle iron or metal framing channels to rigidly support pipes and conduits.
- D.** Equipment shall be installed by the Electrical Contractor in accordance with final submittals and contract documents. Installation shall comply with applicable state and local codes as required by the authority having jurisdiction. Install equipment in accordance with manufacturer's instructions and instructions included in the listing or labeling of UL listed products.
- E.** Installation of equipment shall include furnishing and installing all interconnecting wiring between all major equipment provided for the on-site power system. The electrical contractor shall also perform interconnecting wiring between equipment under the supervision of the equipment supplier.
- F.** Equipment shall be installed on existing structural support for previously removed generator. Install according to equipment suppliers requirements.
- G.** All equipment shall be physically inspected for damage. Scratches and other installation damage shall be repaired prior to final system testing.

### **3.04 REMOTE ALARM ANNUNCIATOR PANEL**

- A.** Install remote annunciator where indicated on drawings.
- B.** Wire as required by NFPA 110.

### 3.05 BATTERIES

- A. Install and securely fasten batteries in rack.

### 3.06 FUEL SYSTEM

- A. Fuel Piping:
  - 1. Fuel piping system shall be provided under Division 22. Size and route piping as required for proper generator set operation. Provide all valves, fittings, etc. as necessary for a complete system.
  - 2. The Following items are furnished by Division 26 and installed by Division 22:
    - a) Primary Fuel regulator.
    - b) Fuel Strainer
    - c) Shut off Valve
    - d) Emergency shut off Solenoid
    - e) Flexible fuel line Connections

### 3.07 ENGINE EXHAUST PIPING

- A. Engine exhaust piping system shall be provided under Division 23.
- B. Provide manufacturer recommended silencer. Install silencer where directed. Adequately support same.
- C. Horizontal piping shall be 8 feet minimum above floor. Piping shall pitch downward, away from the engine, to prevent condensation from running back to engine.
- D. Provide exhaust thimble at penetration of exterior wall, installation is by Division 23.
- E. Contractor shall mount and install all exhaust components as shown on drawings and as required to comply with applicable codes and regulations. All components shall be properly sized to assure proper operation without excessive back pressure when installed as shown on the drawings. Make provisions as required for pipe expansion and contraction.
- F. Exhaust Piping System Insulation: (By Division 23)
  - 1. Provide insulation on all exposed portions of the engine exhaust piping system including silencer within the building (except flexible connection).
  - 2. Insulation sections shall be secured in place with metal bands.
  - 3. Cover insulation sections with a non-combustible fabric material applied with adhesive.
  - 4. Install as per insulation manufacturers recommendations.
- G. Give to the Division 23 Contractor, exhaust system installation recommendations furnished by the generator set manufacturer/supplier.

### 3.08 CITY WATER COOLING SYSTEM

- A. Water strainer, thermostatically controlled electric water supply solenoid valve, standpipe and flexible water supply and discharge connections shall be furnished by this Contractor, but installed under Division 22.

- B. All water piping, valves, fittings, etc. for a complete piping system shall be provided under Division 22.
- C. Give to the Division 22 Contractor, water piping system installation recommendations furnished by the generator set manufacturer/supplier.

### **3.09 VENTILATION**

- A. Motorized dampers, intake/exhaust grilles and ducts, etc. shall be provided under Division 23.
- B. Interlock Damper operation with generator.

### **3.10 WIRING**

- A. Unless indicated otherwise, all wiring shall be in conduit.
- B. All final raceway connections to generator set shall be with flexible conduit.
- C. Wire motorized combustion air intake damper to open when engine starts and remain open when engine runs. Damper shall close when engine shuts off.
- D. Provide wiring between battery charger and batteries.
- E. Connect batteries to engine control panel with flexible cables. Keep cable lengths as short as possible.
- F. Provide necessary power and control wiring between load transfer equipment and generator set.
- G. Provide proper branch circuit breakers, wiring, relays, etc. as required, based on the electrical characteristics of the equipment, to energize water heaters and thermostats, lube oil heaters, and battery charger.
- H. Provide interconnecting wiring between generator set and remote alarm annunciator panels.

### **3.11 SYSTEM START-UP AND TESTING**

- A. Prior to acceptance of the generator set installation, the supplier shall provide the services of a technically competent, factory trained technician to provide for start-up and testing. Test shall be scheduled in advance, so that Engineer can witness same.
- B. The generator set shall be tested at the jobsite using a portable load bank. The following tests shall be made before generator set is connected to the transfer switch:
  - 1. 2 hour test with varying load. Load shall be gradually increased (over evenly spaced increments) from 10% to 100% during the 2-hour period.
  - 2. 2 hour test at 100% full load.
- C. After completing the 4-hour load bank test, disconnect the bank and connect the building emergency load through the transfer switch to the generator set.
- D. After connecting the transfer switch, a minimum of 3 simulated outages shall then be performed, with engine starts and transfers made.

- E. Upon completion of generator tests, the entire standby system, including transfer equipment, overcurrent devices, alarms, etc. shall be checked to ensure proper operation.
- F. During all testing, voltage, frequency, fuel, air, cooling, ventilation, etc. shall be checked and recorded, so that adequacy of the system components can be verified. Any defects which become evident during the tests shall be corrected at the Electrical Contractor's expense.
- G. Furnish two (2) copies of the recorded test data to the Engineer.

**3.12 INSTRUCTIONS AND MAINTENANCE**

- A. Factory technician shall instruct Owner's representative in proper care and operation of equipment supplied.
- B. Provide to Owner, three (3) copies of detailed operating instructions and maintenance manuals with parts lists.
- C. The equipment supplier shall provide training for the facility operating personnel covering operation and maintenance of the equipment provided. The training shall be not less than 4 hours in duration. Training date shall be coordinated with the Owner.

**3.13 CLEANUP**

- A. At completion of project clean generator set to be free of dirt, oil, debris, etc.

**END OF SECTION**

# HOUSING AUTHORITY OF THE CITY OF LA CROSSE

## 2024 CAPITAL IMPROVEMENT PROJECTS

### 1307 BADGER STREET

### LA CROSSE, WISCONSIN



ARCHITECTURE  
ENGINEERING  
INTERIOR DESIGN



HSR ASSOCIATES INC.  
100 MILWAUKEE STREET  
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Consultant:

24048

JANUARY 2025

BID DOCUMENTS

#### INDEX OF DRAWINGS

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#### GENERAL

G000 COVER SHEET  
G001 ADA MOUNTING HEIGHTS

#### ARCHITECTURAL - BECKER

A100 REMOVAL PLANS  
A101 REMODEL PLANS  
A102 REFLECTED CEILING PLANS AND DOOR SCHEDULE

#### ARCHITECTURAL - SAUBER

A200 REMOVAL AND REMODEL PLANS  
A201 REFLECTED CEILING PLAN AND DOOR SCHEDULE

#### ARCHITECTURAL - SOLBERG

A300 REMOVAL PLANS  
A301 REMODEL PLANS AND ELEVATIONS  
A302 REFLECTED CEILING PLANS

#### ARCHITECTURAL - STOFFEL

A400 REMOVAL PLANS  
A401 REMODEL PLANS AND ELEVATIONS  
A402 REFLECTED CEILING PLAN

#### ARCHITECTURAL - STOKKE

A500 REMOVAL AND REMODEL PLANS  
A501 REFLECTED CEILING & ROOF PLANS AND ELEVATIONS  
A502 DOOR SCHEDULE AND DETAILS

#### INTERIOR DESIGN - SOLBERG

ID300 FINISH FLOOR PLAN

#### INTERIOR DESIGN - STOKKE

ID500 FINISH FLOOR PLAN

#### INTERIOR DESIGN - GENERAL

ID600 MASTER COLOR SCHEDULE

#### PLUMBING - BECKER

P100 FLOOR PLANS AND NOTES

#### PLUMBING - SOLBERG

P300 FIRST FLOOR PLAN  
P301 SECOND FLOOR PLAN

#### PLUMBING - STOKKE

P500 FIRST FLOOR PLAN

#### MECHANICAL - GENERAL

M001 HVAC GENERAL INFO SHEET

#### MECHANICAL - BECKER

M100 BECKER PLAZA HVAC PLAN - 1ST FLOOR  
M101 BECKER PLAZA HVAC PLAN - BOILER ROOM

#### MECHANICAL - SAUBER

M200 SAUBER MANOR HVAC PLAN

#### MECHANICAL - SOLBERG

M300 SOLBERG HEIGHTS HVAC PLAN - 1ST FLOOR  
M301 SOLBERG HEIGHTS HVAC PLAN - 2ND FLOOR

#### MECHANICAL - STOFFEL

M400 STOFFEL COURT HVAC PLAN

#### MECHANICAL - STOKKE

M500 STOKKE TOWER HVAC PLAN

#### ELECTRICAL - BECKER

E100 1ST & 2-7TH FLOOR LIGHTING PLANS  
E101 1ST FL & 8TH FLOOR POWER PLANS

#### ELECTRICAL - SAUBER

E200 1ST FLOOR LIGHTING PLAN  
E201 2ND - 8TH FLOOR LIGHTING PLAN

#### ELECTRICAL - SOLBERG

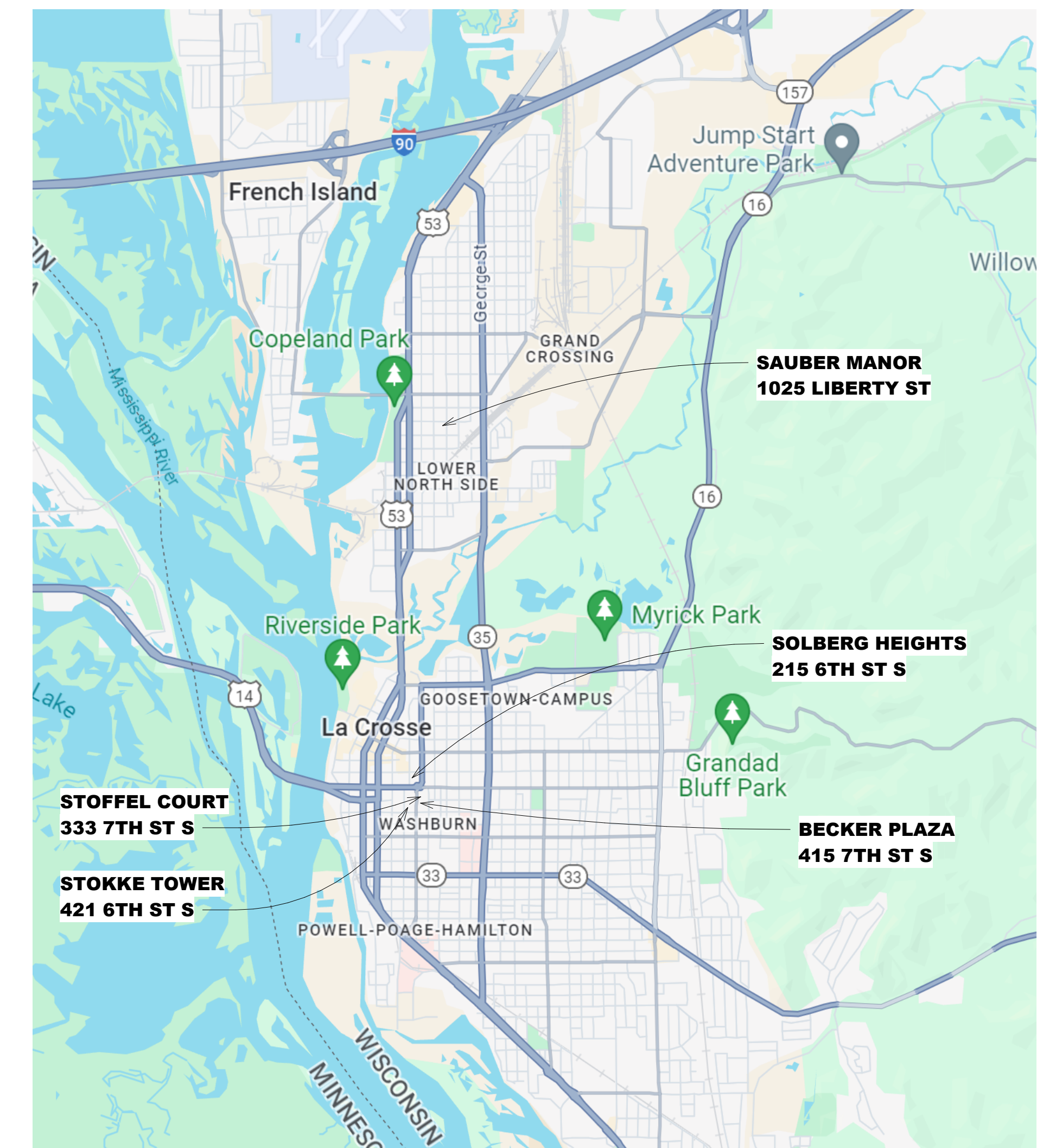
E300 1ST & 2ND FLOOR LIGHTING DEMO PLAN  
E301 1ST & 2ND FLOOR LIGHTING REMODEL PLAN  
E302 3RD-5TH AND 6TH FLOOR LIGHTING DEMO PLAN  
E303 3RD-5TH AND 6TH FLOOR LIGHTING REMODEL PLAN  
E304 1st FLOOR POWER DEMO & REMODEL  
E305 2ND FLOOR POWER DEMO & REMODEL

#### ELECTRICAL - STOFFEL

E400 1ST FLOOR LIGHTING REMOVAL & REMODEL

#### ELECTRICAL - STOKKE

E500 LIGHTING DEMO AND REMODEL PLANS



#### CITY MAP

SITE LOCATION MAP

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602  
Sheet Title: COVER SHEET

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JTD

Key Plan:

| No. | Description | Date       |
|-----|-------------|------------|
| A02 | ADDENDUM #2 | 01/16/2025 |

Graphic Scale: VARIES

Last Update: 1/16/2025 7:20:53 AM

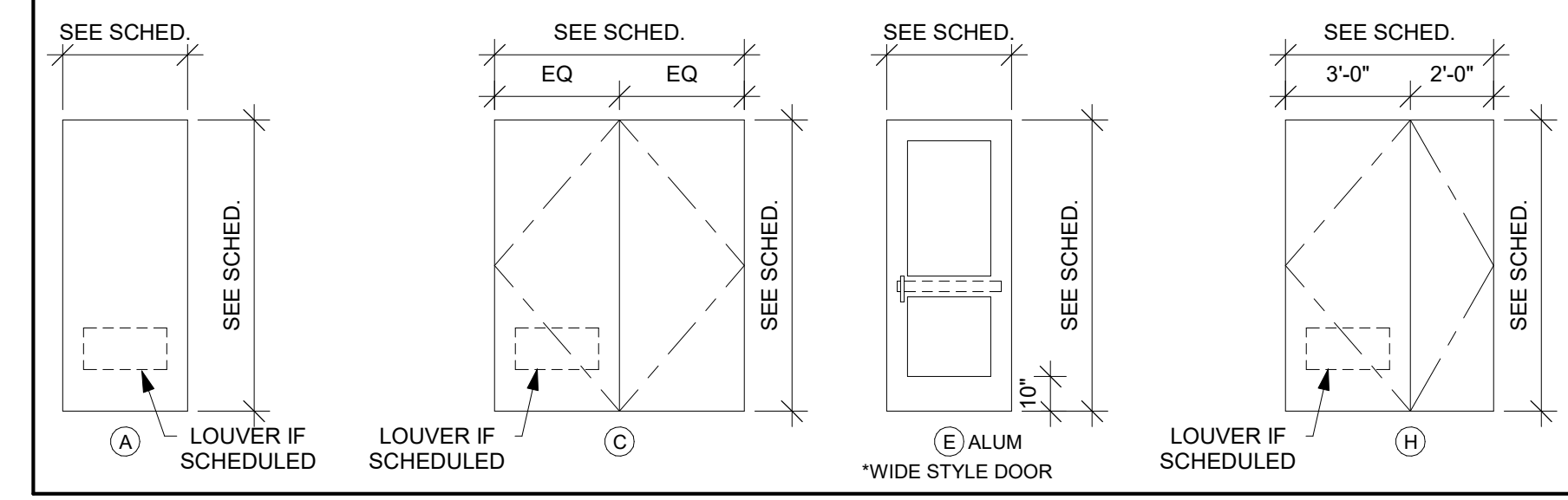
G000

| MARK                         | DOOR SCHEDULE - BECKER PLAZA |           |               |                 |            |            |             |                |                 |            |       |               |       | FIRE LABEL | HDWR GROUP | SIGNAGE | REMARKS |
|------------------------------|------------------------------|-----------|---------------|-----------------|------------|------------|-------------|----------------|-----------------|------------|-------|---------------|-------|------------|------------|---------|---------|
|                              | DOOR                         |           |               | FRAME           |            |            | GLASS       |                |                 | DETAILS    |       |               |       |            |            |         |         |
|                              | SIZE                         | DOOR TYPE | DOOR MATERIAL | DOOR FINISH     | GLASS TYPE | FRAME TYPE | FRAME DEPTH | FRAME MATERIAL | FRAME FINISH    | GLASS TYPE | HEAD  | JAMB          | SILL  |            |            |         |         |
| 104                          | 3'-4" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME GG   | 5'-3/4"     | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 5          | YES        | 1.6     |         |
| 105                          | 3'-0" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 5          | YES        | 1.6     |         |
| 107.1                        | 3'-4" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME KK   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 5          | YES        | 1.6     |         |
| 107.2                        | 3'-4" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 5          | YES        | 1.6     |         |
| 108                          | 3'-4" 6'-10" 1'-3/4"         | DOOR E    | ALUM          | ORGANIC COATING | GLT-12     | FRAME GG   | 4'-1/2"     | ALUM           | ORGANIC COATING | GLT-12     | 5A102 | 10A102/11A102 | 7A102 | ---        | 6          | NO      | 2       |
| 109.1                        | 3'-0" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 5'-3/4"     | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 7          | YES        | 1.6     |         |
| 109.2                        | 5'-8" 6'-8" 1'-3/4"          | DOOR C    | FRP           | GEL COATING     | ---        | FRAME AA   | 4'-1/2"     | ALUM           | ORGANIC COATING | ---        | 5A102 | 8A102/9A102   | 7A102 | ---        | 8          | NO      | ---     |
| 115.1                        | 3'-4" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 9          | YES        | 1.6     |         |
| 115.2                        | 3'-0" 6'-8" 1'-3/4"          | DOOR C    | FRP           | GEL COATING     | ---        | FRAME AA   | 4'-1/2"     | ALUM           | ORGANIC COATING | ---        | 5A102 | 8A102/9A102   | 7A102 | ---        | 8          | NO      | ---     |
| 117.1                        | 3'-0" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME JJ   | 5'-3/4"     | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 45 MN      | 2          | NO      | 1.4     |
| 117.2                        | 3'-4" 6'-10" 1'-3/4"         | DOOR A    | ALUM          | ORGANIC COATING | GLT-12     | FRAME GG   | 4'-1/2"     | ALUM           | ORGANIC COATING | GLT-12     | 5A102 | 10A102/11A102 | 7A102 | ---        | 6          | NO      | 2       |
| 119                          | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 120                          | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 121                          | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 130                          | 5'-0" 7'-2" 1'-3/4"          | DOOR H    | FRP           | GEL COATING     | ---        | FRAME AA   | 8"          | ALUM           | ORGANIC COATING | ---        | 3A102 | 3A102         | 4A102 | ---        | 8          | NO      | ---     |
| 201, 301, 401, 501, 601, 701 | 3'-0" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 202, 302, 402, 502, 602, 702 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 203, 303, 403, 503, 603, 703 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 204, 304, 404, 504, 604, 704 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 205, 305, 405, 505, 605, 705 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 206, 306, 406, 506, 606, 706 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 207, 307, 407, 507, 607, 707 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 208, 308, 408, 508, 608, 708 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 209, 309, 409, 509, 609, 709 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 210, 310, 410, 510, 610, 710 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 211, 311, 411, 511, 611, 711 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 212, 312, 412, 512, 612, 712 | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.3,6   |
| 213, 313, 413, 513, 613, 713 | 3'-4" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME GG   | 5'-3/4"     | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 45 MN      | 2          | NO      | 1.4     |
| 215, 315, 415, 515, 615, 715 | 3'-0" 7'-0" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 1          | YES     | 1.6     |
| 410                          | 3'-0" 6'-8" 1'-3/4"          | DOOR A    | SCWD          | STAIN           | ---        | FRAME AA   | 8"          | EXISTING HM    | PAINT           | ---        | ---   | ---           | ---   | 20 MN      | 4          | YES     | 1.3,5,6 |
| A                            | 3'-4" 7'-2" 1'-3/4"          | DOOR A    | FRP           | GEL COATING     | ---        | FRAME AA   | 4'-1/2"     | ALUM           | ORGANIC COATING | ---        | 6A102 | 6A102         | 7A102 | ---        | 10         | NO      | ---     |
| B                            | 3'-0" 7'-2" 1'-3/4"          | DOOR A    | FRP           | GEL COATING     | ---        | FRAME AA   | 4'-1/2"     | ALUM           | ORGANIC COATING | ---        | 6A102 | 6A102         | 7A102 | ---        | 10         | NO      | ---     |

**DOOR SCHEDULE GENERAL NOTES**

HM = HOLLOW METAL ALUM = ALUMINUM SCWD = SOLID CORE WOOD DOOR FRP = FIBER REINFORCED POLYMER  
 A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS  
 B. ALL HM (HOLLOW METAL) DOORS AND FRAMES SHALL BE PAINTED  
 C. ALL DOUBLE DOORS TO HAVE TWO EQUAL LEAFS UNLESS NOTED OTHERWISE

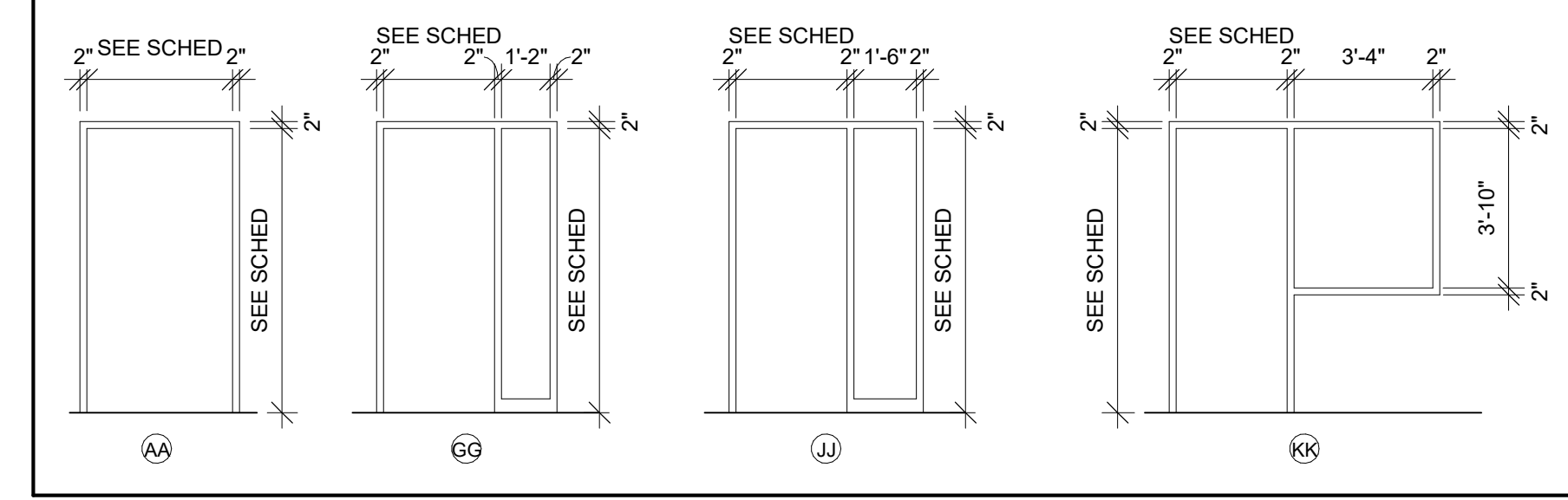
**DOOR TYPES**



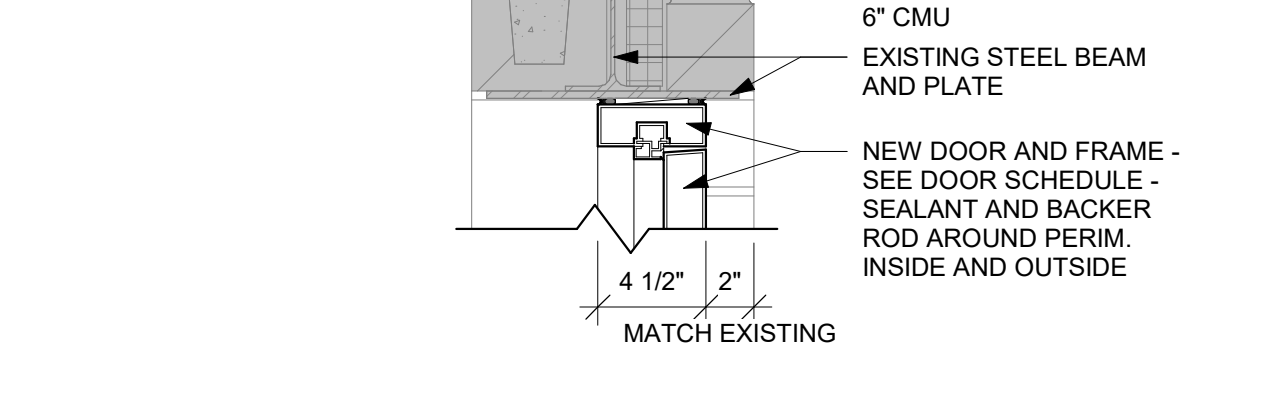
**DOOR FRAME GENERAL NOTES**

HM = HOLLOW METAL ALUM = ALUMINUM  
 A. ALL HM (HOLLOW METAL) FRAMES SHALL BE PAINTED.

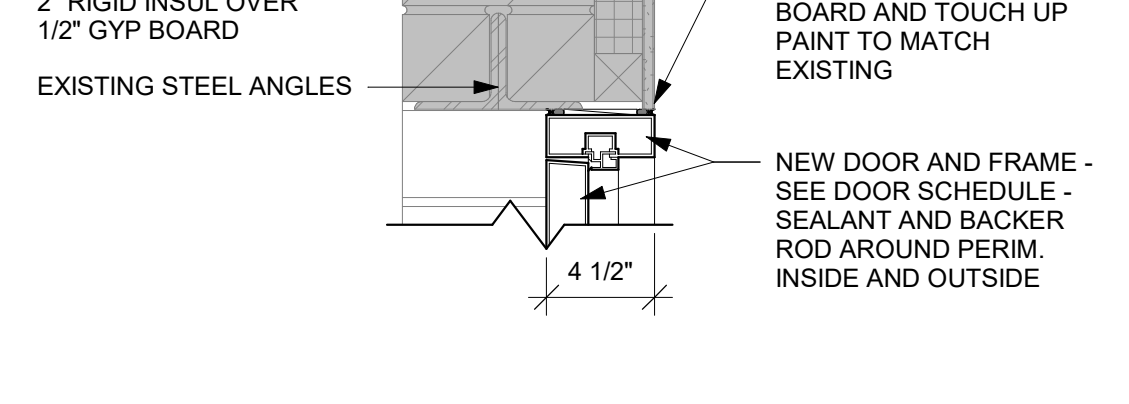
**DOOR FRAME TYPES**



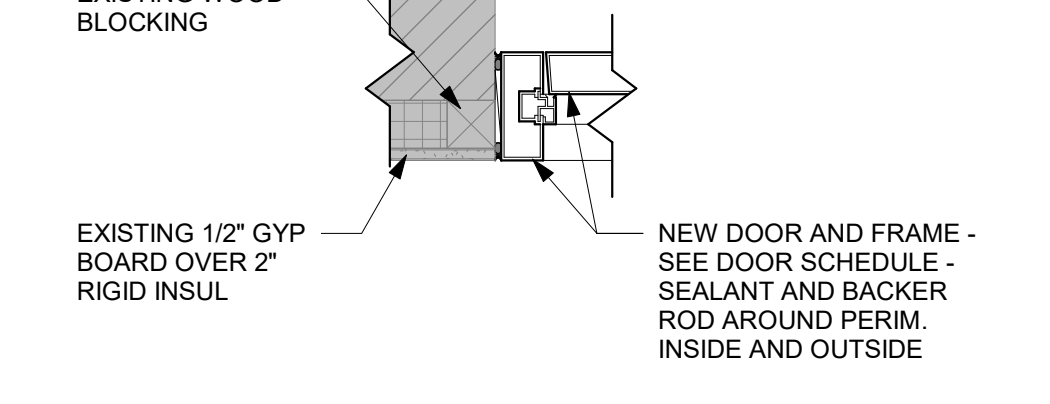
**3 DOOR HEAD DETAIL**



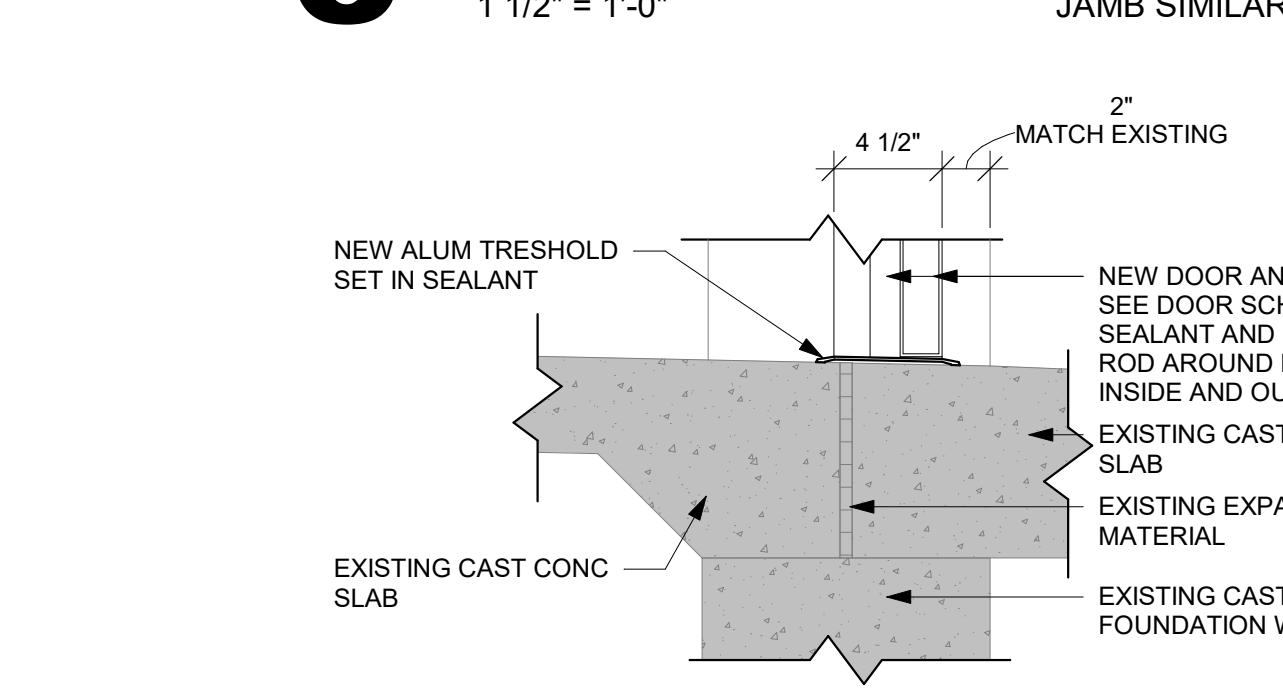
**6 DOOR HEAD DETAIL**



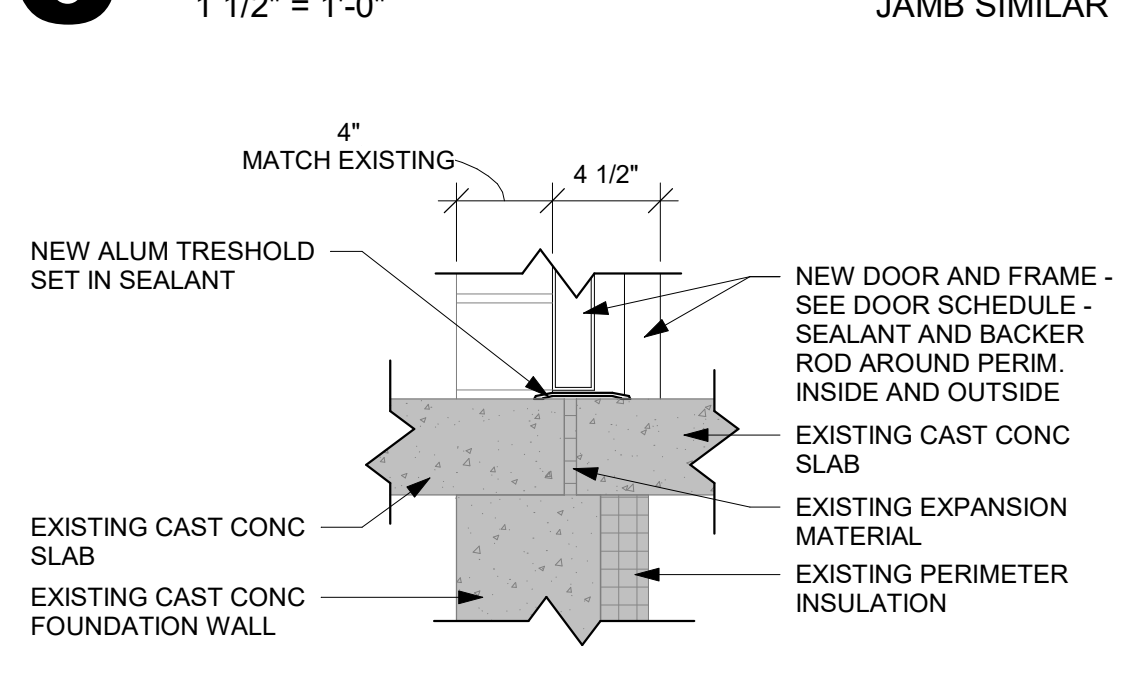
**9 DOOR JAMB DETAIL**



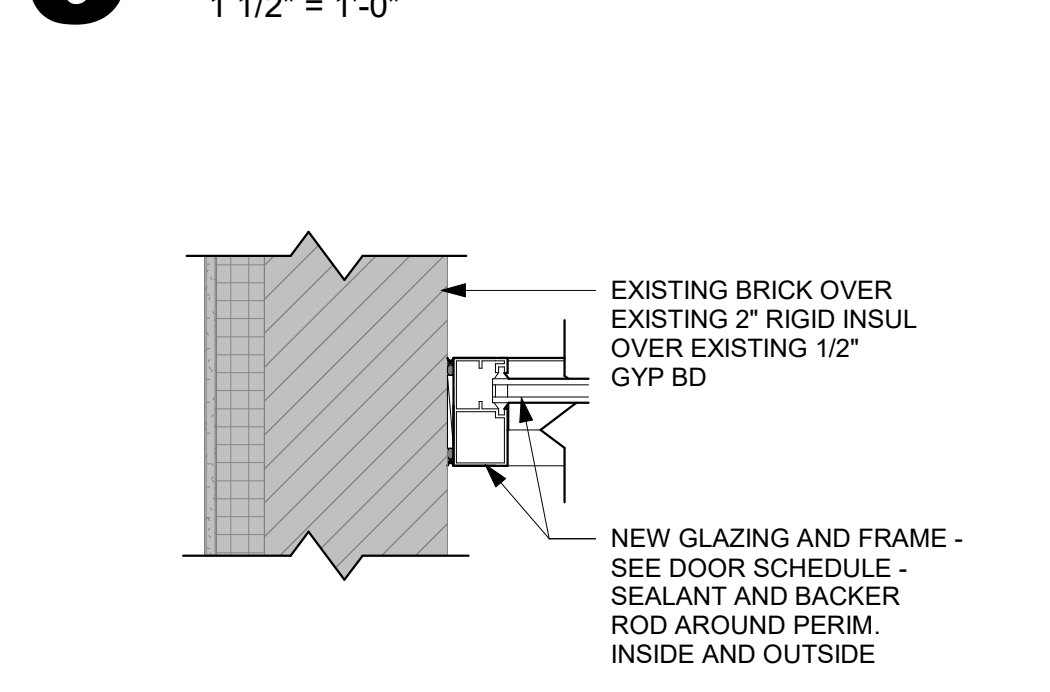
**4 DOOR SILL DETAIL**



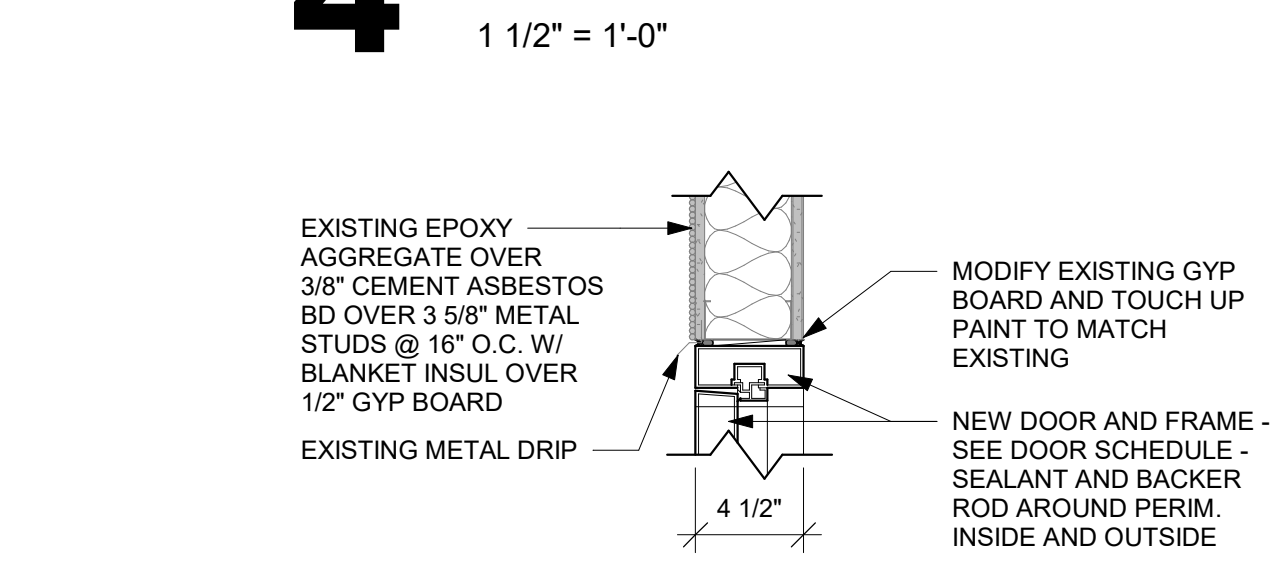
**7 DOOR SILL DETAIL**



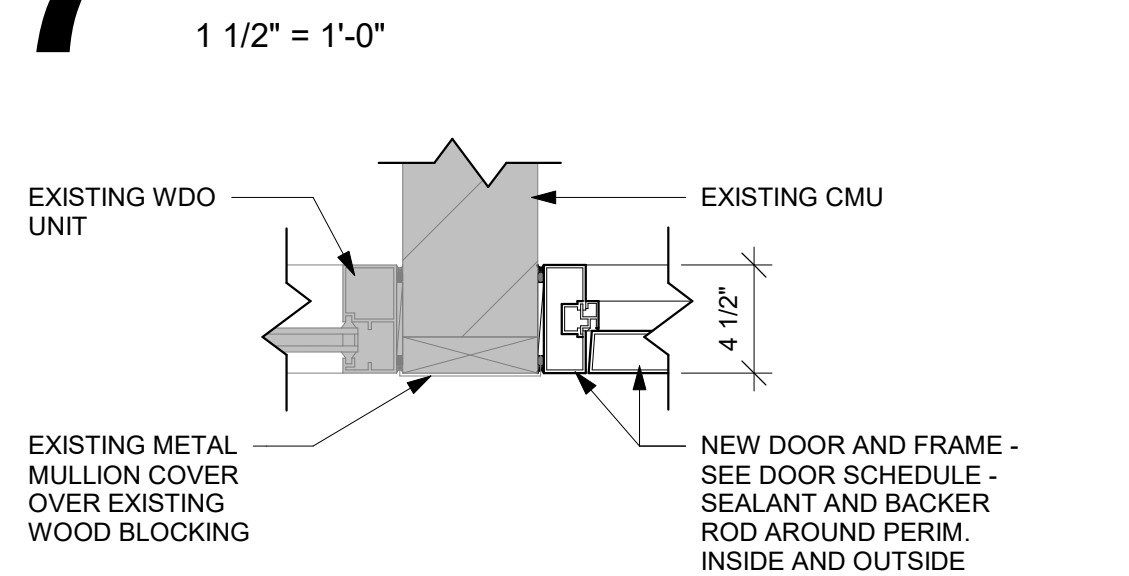
**10 DOOR JAMB DETAIL**



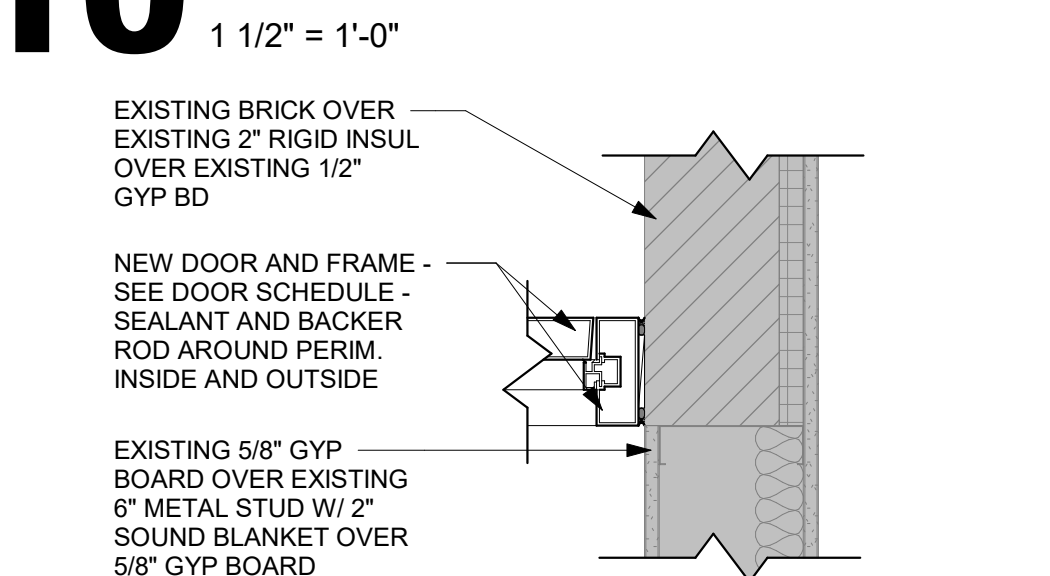
**5 DOOR HEAD DETAIL**



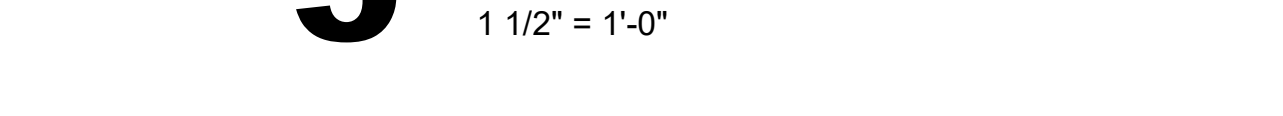
**8 DOOR JAMB DETAIL**



**11 DOOR JAMB DETAIL**

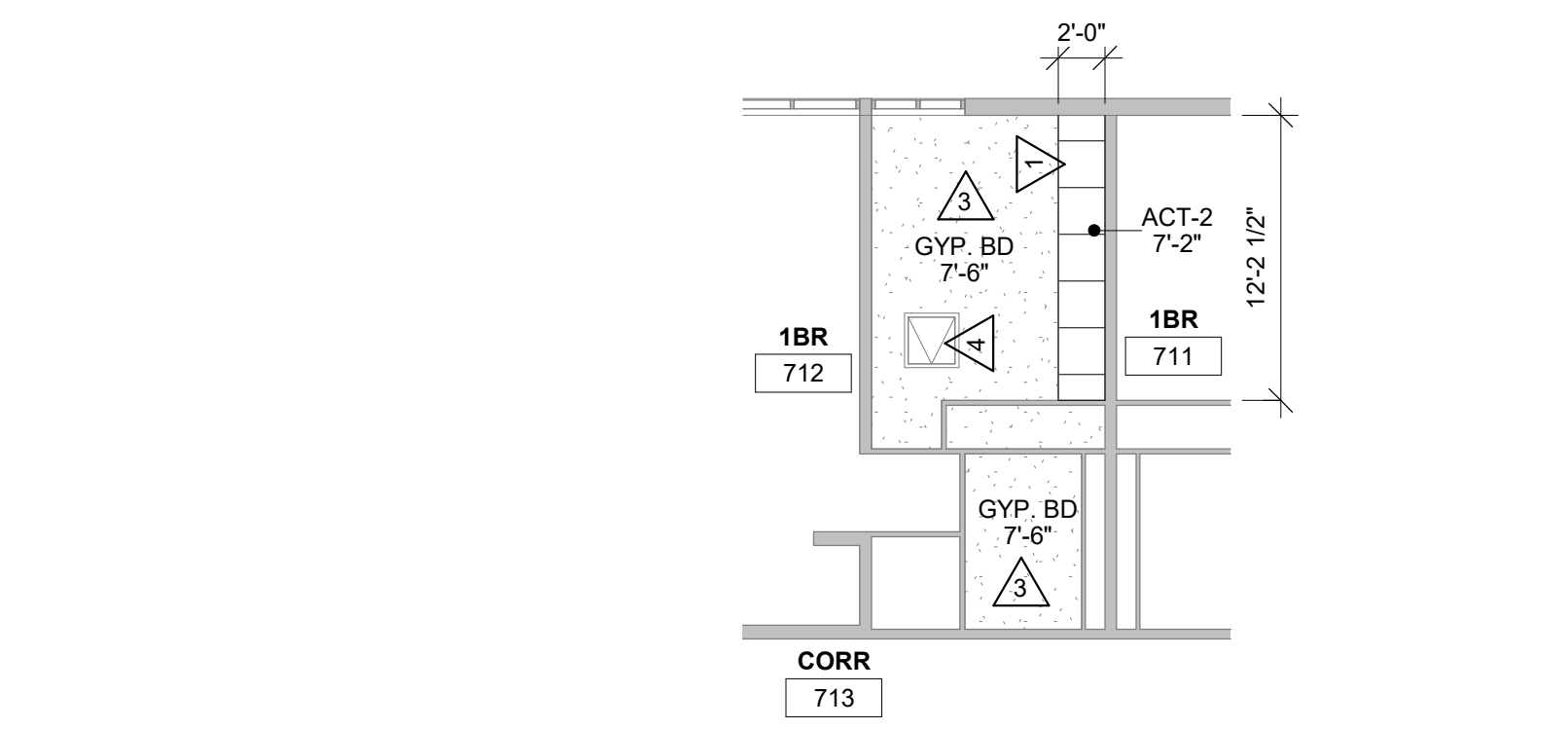


**1 1ST FLOOR REFLECTED CEILING PLAN**



**DOOR SCHEDULE REMARKS**

- NEW DOOR LEAF IN EXISTING FRAME. MODIFY EXISTING FRAME FOR NEW HARDWARE.
- PAINT EXISTING FRAME AND BACKER ROD AROUND PERIM. INSIDE AND OUTSIDE.
- EXISTING MAGNETIC HOLD OPEN TO BE REMOVED, SALVAGED AND REINSTALLED ON NEW DOOR LEAF.
- EXISTING AUTO DOOR OPENER TO BE REMOVED, SALVAGED AND REINSTALLED ON NEW DOOR LEAF.
- SEE SPEC FOR DOOR SIGNAGE.



**2 PARTIAL 7TH FLOOR REFLECTED CEILING PLAN**



**RCP GENERAL NOTES:**

- SEE MECHANICAL FOR CEILING GRILLE INFORMATION.
- SEE ELECTRICAL FOR LIGHTING TYPES.
- ALL REMAINING ANNUAL SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.
- HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CABLING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
- CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-1=REGULAR EDGE, ACT-2=MINI-FACED GYP.
- AT LIGHTING REPLACEMENT AT EXISTING GYP BOARD CEILING OR EXPOSED STRUCTURE, TOUCH UP PAINT AS REQUIRED TO MATCH EXISTING. SEE ELECTRICAL FOR LIGHTING REPLACEMENT EXTENTS.

**RCP LEGEND:**

- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- ⊕ LIGHT FIXTURE - SEE ELECTRICAL
- ⊗ CEILING GRILLE - SEE MECHANICAL
- ⊠ EXISTING CEILING MOUNTED CAMERA - REMOVE, SALVAGE AND REINSTALL IN SAME LOCATION.
- ⊙ EXISTING CEILING MOUNTED FIRE SINKLER HEAD TO REMAIN AS IS.

**RCP KEY NOTES**

- INSTALL NEW 2x2 ACT TILE AND GRID SYSTEM.
- INSTALL NEW PREFINISHED ALUM TRANSITION.
- EXISTING TEXTURED GYP BOARD CEILING. CUT AS REQUIRED FOR FLOOR DRAIN REMOVAL/INSTALLATION ABOVE - COORDINATE PLUMBING, PATCH, TEXTURE AND PAINT AFTER PLUMBING WORK IS COMPLETE.
- EXISTING CEILING ACCESS PANEL.
- NEW CEILING MOUNTED CABINET UNIT HEATER BY MECHANICAL.

**ARCHITECTURE ENGINEERING INTERIOR DESIGN**

**HSR ASSOCIATES INC.**  
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Consultant:

**HOUSING AUTHORITY OF THE CITY OF LA CROSSE**  
**2024 CAPITAL IMPROVEMENT PROJECTS**

Project Title: **BECKER PLAZA**  
 Project Location: **1307 BADGER STREET LA CROSSE, WI 54602**  
 Project Number: **24048**  
 Project Date: **JANUARY 2025**  
 Drawn By: **JTD**  
 Key Plan:

**BECKER PLAZA**

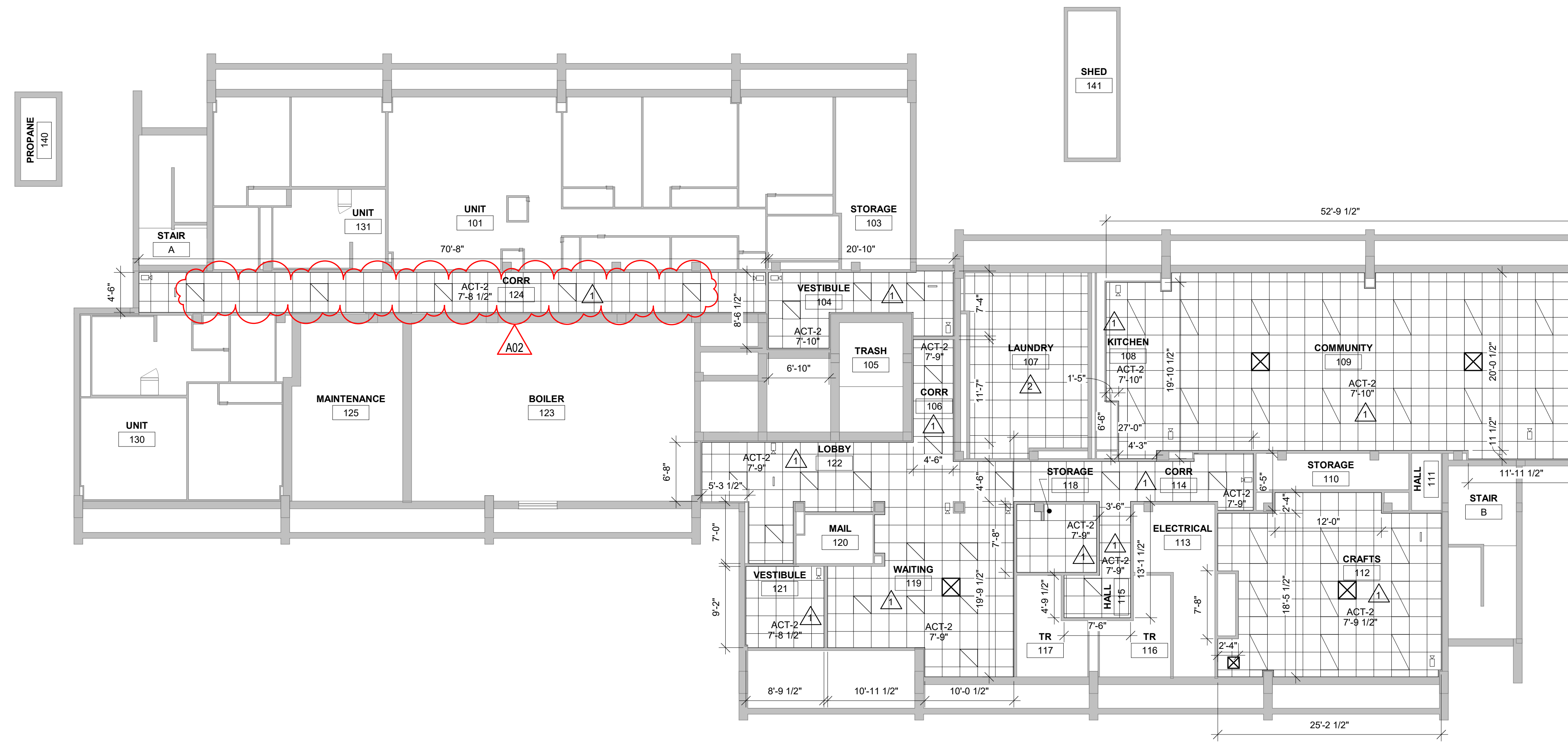
Revisions:

| No. | Description | Date       |
|-----|-------------|------------|
| A02 | ADDENDUM #2 | 01/16/2025 |

Graphic Scale: **VARIES**  
 Last Update: **1/16/2025 1:00:44 PM**

**A102**





# 1 1ST FLOOR REFLECTED CEILING PLAN

1/8" = 1'-0"

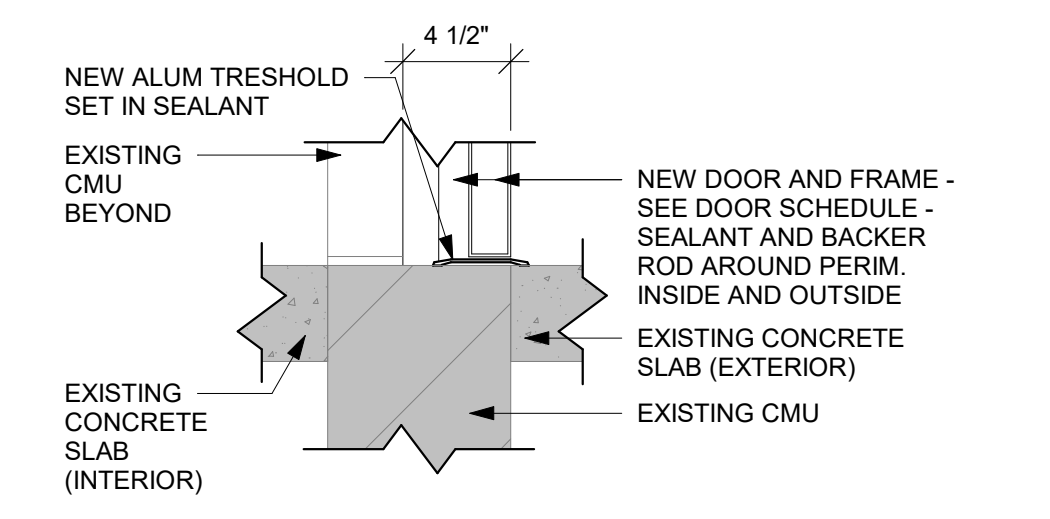
| DOOR SCHEDULE - SAUBER MANOR |               |           |               |             |            |            |             |                |                 |            |       |               |            |            |         |         |      |
|------------------------------|---------------|-----------|---------------|-------------|------------|------------|-------------|----------------|-----------------|------------|-------|---------------|------------|------------|---------|---------|------|
| MARK                         | DOOR          |           |               | FRAME       |            |            |             |                |                 | DETAILS    |       |               | FIRE LABEL | HDWR GROUP | SIGNAGE | REMARKS |      |
|                              | SIZE          | DOOR TYPE | DOOR MATERIAL | DOOR FINISH | GLASS TYPE | FRAME TYPE | FRAME DEPTH | FRAME MATERIAL | FRAME FINISH    | GLASS TYPE | HEAD  | JAMB          |            |            |         |         | SILL |
| 140                          | 6'-0" x 7'-2" | DOOR A    | FRP           | GEL COATING | ---        | FRAME AA   | 4 1/2"      | ALUM           | ORGANIC COATING | ---        | 2A102 | 2A102         | SA102      | ---        | 2       | NO      | 1    |
| 141                          | 5'-0" x 6'-8" | DOOR A    | FRP           | GEL COATING | ---        | FRAME AA   | 4 1/2"      | ALUM           | ORGANIC COATING | ---        | 4A102 | 4A102 & 9A102 | 7A102      | ---        | 3       | NO      | ---  |
| B                            | 3'-8" x 7'-0" | DOOR A    | FRP           | GEL COATING | ---        | FRAME AA   | 6"          | ALUM           | ORGANIC COATING | ---        | 4A102 | 4A102         | SA102      | ---        | 1       | NO      | ---  |

| DOOR SCHEDULE GENERAL NOTES  | DOOR FRAME GENERAL NOTES | DOOR SCHEDULE REMARKS                  |
|--|--------------------------|--|
| FRP = FIBER REINFORCED POLYMER<br>A. SEE SPECIFICATIONS FOR DOOR HARDWARE GROUPS<br>B. ALL DOUBLE DOORS TO HAVE TWO EQUAL LEAFS UNLESS NOTED OTHERWISE | ALUM = ALUMINUM          | 1. 19" x 19" LOUVER IN EACH DOOR LEAF. |
| DOOR TYPES   | DOOR FRAME TYPES         |  |
| SEE SCHED.<br><br>A LOUVER IF SCHEDULED  | 2" SEE SCHED 2"<br>      |  |

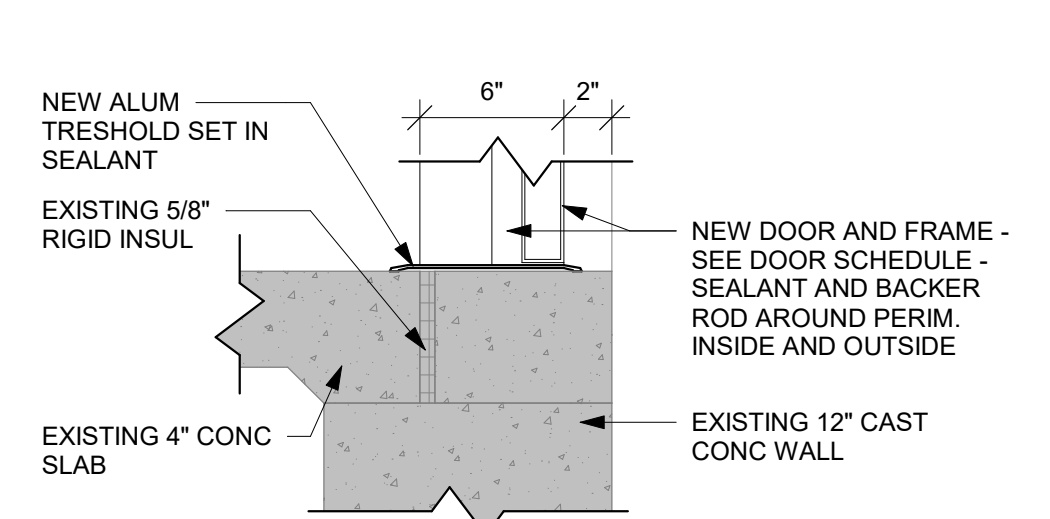
## 2 DOOR JAMB DETAIL

1 1/2" = 1'-0" HEAD SIMILAR



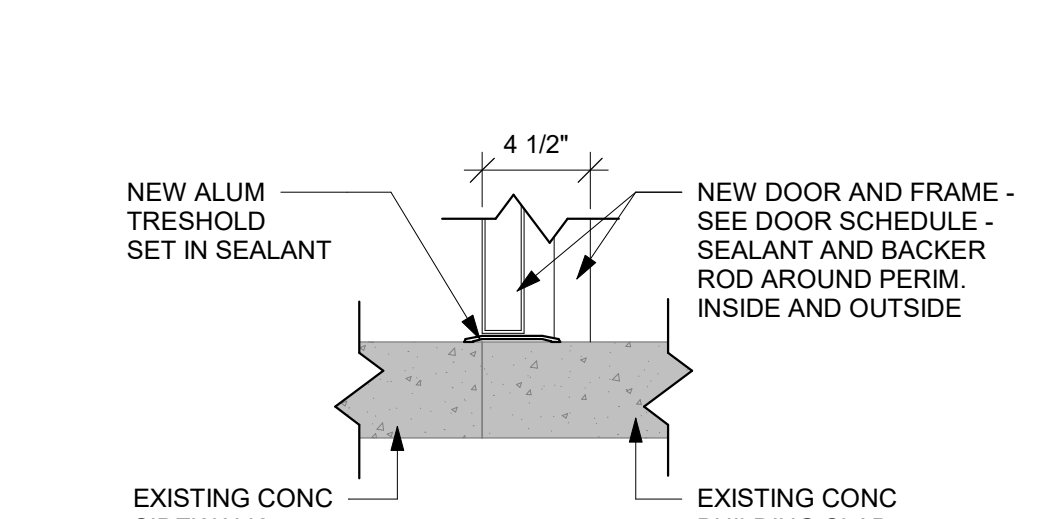
## 4 DOOR HEAD DETAIL

1 1/2" = 1'-0" JAMB SIMILAR



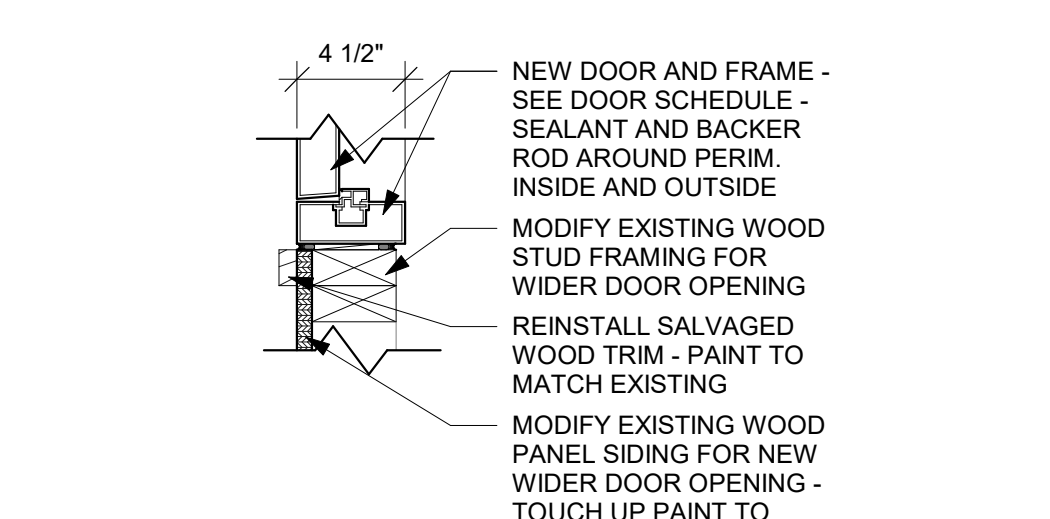
## 6 DOOR HEAD DETAIL

1 1/2" = 1'-0"



## 8 DOOR JAMB DETAIL

1 1/2" = 1'-0"



## 3 DOOR SILL DETAIL

1 1/2" = 1'-0"



## 5 DOOR SILL DETAIL

1 1/2" = 1'-0"



## 7 DOOR SILL DETAIL

1 1/2" = 1'-0"



## 9 DOOR JAMB DETAIL

1 1/2" = 1'-0"



**RCP GENERAL NOTES:**

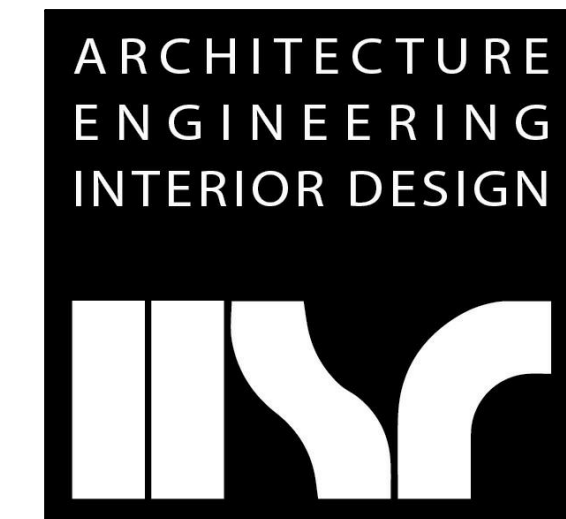
- SEE MECHANICAL FOR CEILING GRILLE INFORMATION.
- SEE ELECTRICAL FOR LIGHTING TYPES.
- ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.
- HANGERS AND SUPPORTS: MECHANICAL, PLUMBING, ELECTRICAL AND OTHER CABLING CONTRACTORS SHALL NOT HANG OR SUPPORT THE WORK FROM THE ROOF DECK IN ANY FASHION. CONDUIT RUNS SHALL NOT BE LAID ON ROOF DECK NOR LAID ON THE STRUCTURAL SUPPORT THAT SUPPORTS THE ROOF DECK. NO FASTENERS SHALL PENETRATE ROOF DECK BY ANY TRADE OTHER THAN THE ROOFING CONTRACTOR FOR THE NEW ROOF SYSTEM.
- CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-2=REGULAR EDGE.
- AT LIGHTING REPLACEMENT AT EXISTING GYP BOARD CEILINGS AND EXPOSED STRUCTURE, TOUCH UP PAINT AS REQUIRED TO MATCH EXISTING. SEE ELECTRICAL FOR LIGHTING REPLACEMENT EXTENTS.

**RCP LEGEND:**

- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- LIGHT FIXTURE - SEE ELECTRICAL
- CEILING GRILLE - SEE MECHANICAL
- EXISTING CEILING MOUNTED CAMERA - REMOVE, SALVAGE AND REINSTALL IN SAME LOCATION.

**RCP KEY NOTES**

- INSTALL NEW 2x2 AC TILE AND GRID SYSTEM.
- EXISTING AC TILE AND GRID SYSTEM TO REMAIN AS IS.



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Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

Sheet Title: REFLECTED CEILING PLAN AND DOOR SCHEDULE

Project Title: SAUBER MANOR

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JTD

Key Plan:

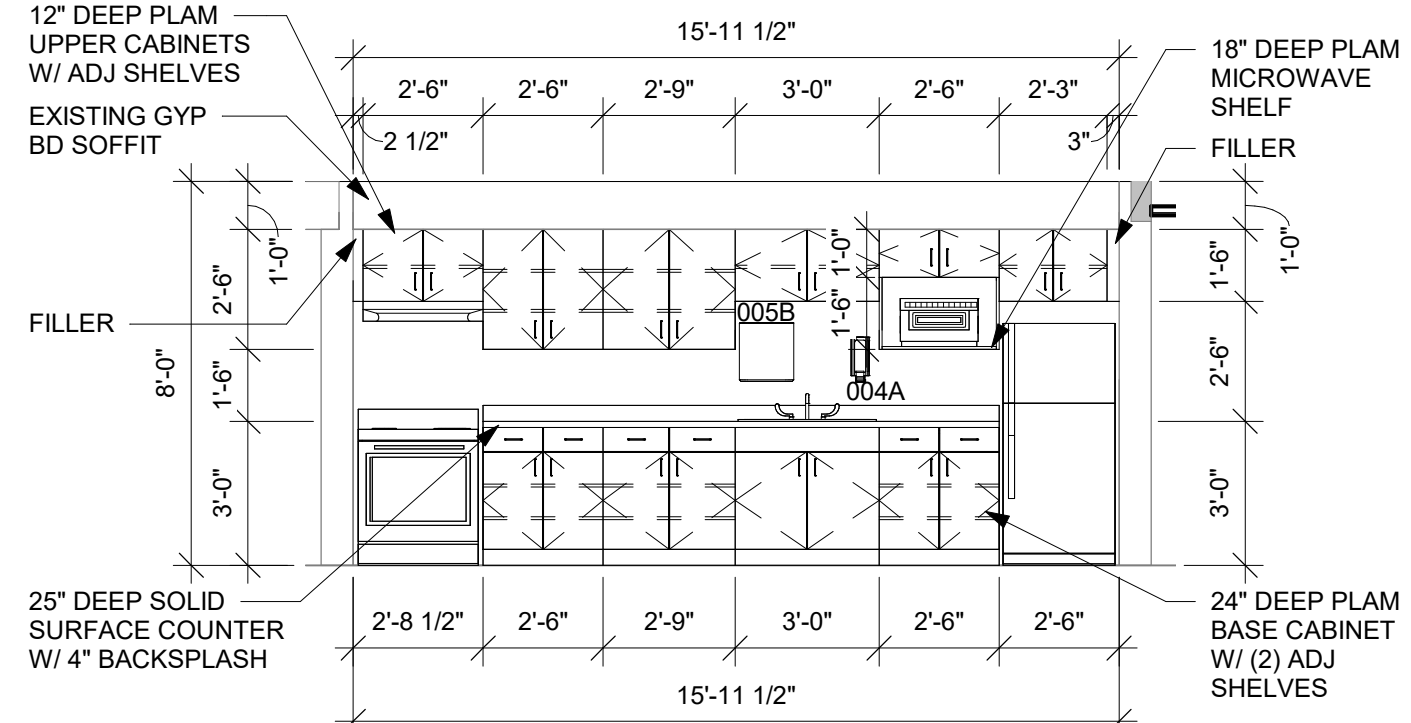
| No. | Description | Date       |
|-----|-------------|------------|
| A02 | ADDENDUM #2 | 01/16/2025 |

Graphic Scale: VARIES

Last Update: 1/16/2025 6:07:51 AM

**A201**

- CASEWORK GENERAL NOTES:**
- CASEWORK MANUFACTURER SHALL FIELD VERIFY ALL CASEWORK DIMENSIONS & CONDITIONS PRIOR TO FABRICATION OF CASEWORK.
  - PROVIDE FINISHED END PANELS AT ALL KNEE SPACE, ALCOVES, AND EXPOSED CABINET ENDS.
  - INSTALL 1-1/2" WOOD BLOCKING BETWEEN STUDS FOR CASEWORK MOUNTING AT TOP AND BOTTOM OF ALL WALL CABINETS AND AT TOP OF ALL BASE CABINETS.
  - ALL BASE CABINET KICKS, ALCOVES, KNEE SPACE AND END PANELS SHALL RECEIVE BASE UNLESS OTHERWISE NOTED. SEE MASTER COLOR SCHEDULE FOR SIZE AND COLOR.
  - SEAL EDGE OF COUNTERBACKSLASH TO ALL WALL LOCATIONS W/ CLEAR SEALANT.
  - REFER TO MASTER COLOR SCHEDULE FOR PLASTIC LAMINATE SELECTIONS. ALL SOLID SURFACE COUNTERTOPS TO BE SS-1. ALL LOWER/UPPER CASEWORK TO BE PLAM-1, UNLESS OTHERWISE NOTED. (CONFIRM PLAM SELECTION W/ INTERIORS)
  - INSTALL TWO MAGNETIC CATCHES FOR ALL TALL CABINETS, TOP AND BOTTOM AT EACH DOOR. TALL CABINETS WITH LOCKS SHALL ALSO HAVE AN ELBOW LATCH INSTALLED AT A CENTER FIXED SHELF. ALL OTHER SHELVES SHALL BE ADJUSTABLE.
  - WALL CABINETS SHALL BE 12" DEEP AND BASE CABINETS SHALL BE 24" DEEP UNLESS NOTED OTHERWISE. COUNTERTOPS TO EXTEND 1" BEYOND THE FINISHED EDGE OF BASE CABINET UNLESS NOTED OTHERWISE.
  - LAMINATE GRAIN TO ALIGN VERTICALLY ON ALL CASEWORK.
  - REFER TO ACCESSORY SCHEDULE ON SHEET A501.

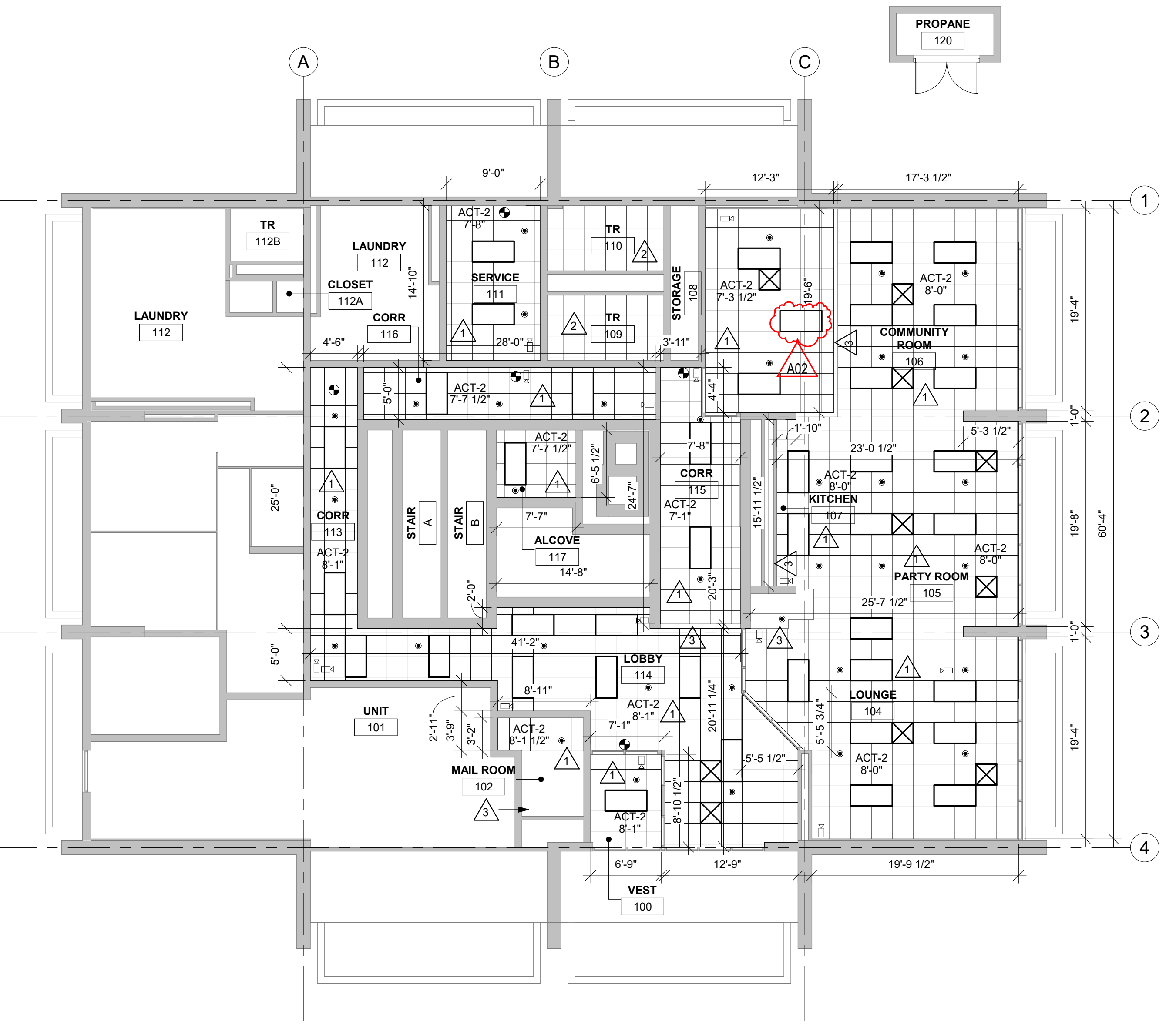


**3 KITCHEN NORTH ELEV**  
1/4" = 1'-0"

**ACCESSORY SCHEDULE**

| MARK | ITEM                       | HEIGHT A.F.F. | COMMENTS                      |
|------|----------------------------|---------------|-------------------------------|
| 004A | SOAP DISPENSER MANUAL      | X             | SEE MOUNTING HEIGHTS DRAWINGS |
| 005B | PAPER TOWEL DISPENSER FOLD | X             | SEE MOUNTING HEIGHTS DRAWINGS |

- RCP GENERAL NOTES:**
- SEE MECHANICAL FOR CEILING GRILLE INFORMATION.
  - SEE ELECTRICAL FOR LIGHTING TYPES.
  - ALL REMAINING ANNULAR SPACE AROUND ITEMS PENETRATING WALLS SHALL BE NEATLY SEALED. PENETRATIONS OF FIRE RATED WALLS SHALL BE FIRESTOPPED WITH THE SAME AS THE WALL.
  - CEILING TYPES INSTALLED AS NOTED ON PLANS. SEE SPECIFICATIONS FOR ADDITIONAL SYSTEM INFORMATION. ACT-2=TEGULAR EDGE.
  - AT LIGHTING REPLACEMENT AT EXISTING GYP BOARD CEILINGS OR EXPOSED STRUCTURE, TOUCH UP PAINT AS REQUIRED TO MATCH EXISTING. SEE ELECTRICAL FOR LIGHTING REPLACEMENT EXTENTS.
- RCP LEGEND:**
- LIGHT FIXTURE - SEE ELECTRICAL
  - LIGHT FIXTURE - SEE ELECTRICAL
  - LIGHT FIXTURE - SEE ELECTRICAL
  - LIGHT FIXTURE - SEE ELECTRICAL
  - CEILING GRILLE - SEE MECHANICAL
  - EXISTING CEILING MOUNTED CAMERA - REMOVE, SALVAGE AND REINSTALL IN SAME LOCATION.
  - EXISTING CEILING MOUNTED FIRE SPRINKLER HEAD TO REMAIN AS IS.
- RCP KEY NOTES**
- INSTALL NEW 2'X2' AC TILE AND GRID SYSTEM.
  - EXISTING 2'X2' AC TILE AND GRID SYSTEM TO REMAIN AS IS.
  - EXISTING GYP BOARD SOFFIT TO REMAIN AS IS.

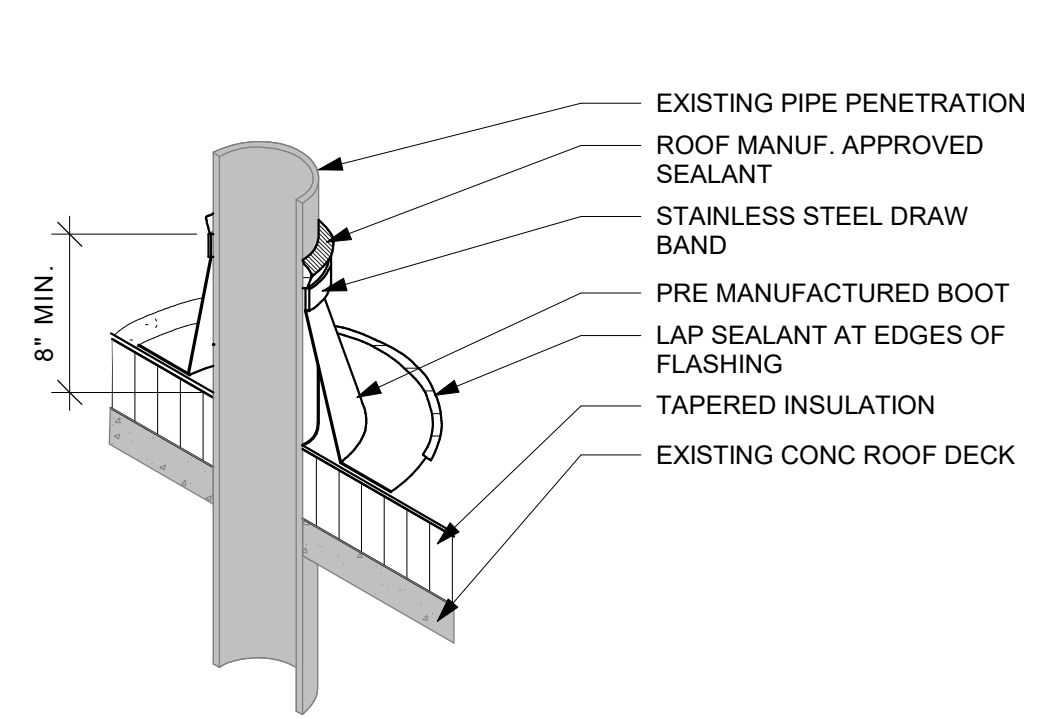


**1 1ST FLOOR REFLECTED CEILING PLAN**  
1/8" = 1'-0"

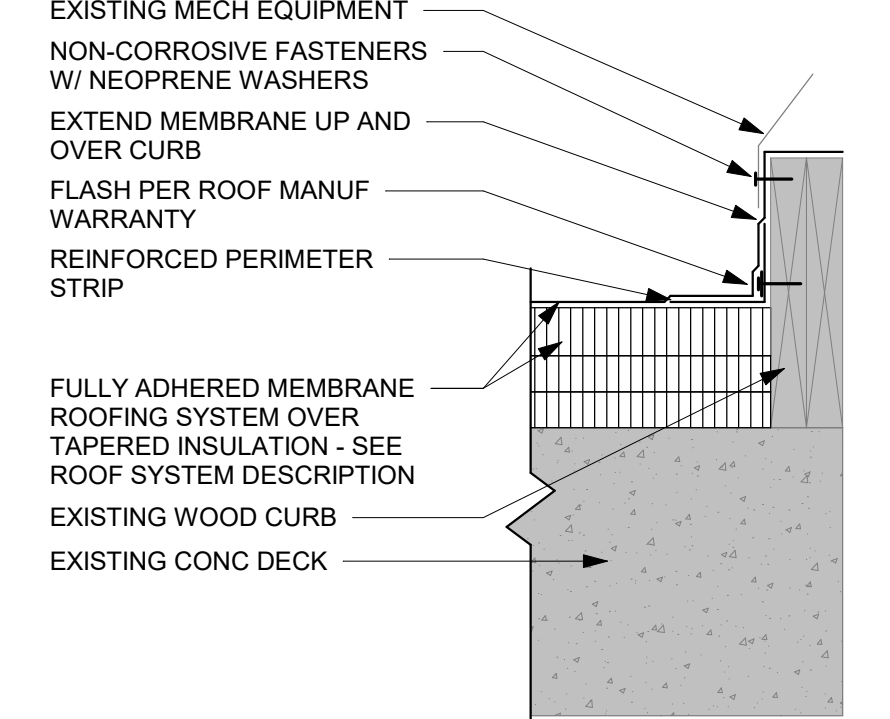
- ROOF GENERAL NOTES:**
- VERIFY ROOF EQUIPMENT AND PENETRATIONS. EQUIPMENT SHOWN IS GRAPHIC ONLY.
  - ROOF PENETRATIONS FOR DRAINS, VENTS, ETC. SHALL BE COMPLETED AS PER CURRENT SMARMA REQUIREMENTS AND THE ROOF MANUFACTURERS APPROVED DETAILS FOR WARRANTY SATISFACTION.
  - ALL METAL ROOF AND FLASHING SHALL MEET CURRENT SMARMA REQUIREMENTS AND MANUFACTURERS SPECIFIED WARRANTY.
  - WHERE MEMBRANE IS SHOWN OVER TOP OF WALL EXTEND DOWN OPPOSITE SIDE AND SECURE TO BLOCKING.
  - TOP OF WALL BLOCKING SHOWN IS GRAPHIC. PROVIDE BLOCKING THAT SHALL BE ANCHORED TO WALL BELOW AS RECOMMENDED BY ROOFING SYSTEM MANUFACTURER TO WITHSTAND WIND UPLIFT AS STATED IN CODE. TOP OF WALLS SHALL SLOPE TOWARDS ROOF.
  - INSTALL BOND BREAK BETWEEN ALL WOOD BLOCKING AND CMU OR CONCRETE.
  - AT INTERSECTION OF ROOF INSULATION WITH VERTICAL SURFACES FILL ALL VOIDS AT INSULATION TERMINATION WITH EXPANDING FOAM INSULATION.

- ROOF SYSTEM DESCRIPTIONS:**
- A** ADHERED, SINGLE MEMBRANE ROOFING SYSTEM ON NEW TAPERED INSULATION ON 2 1/2" BASE INSULATION (2 LAYERS W/ STAGGERED JOINTS) ON EXISTING FLAT CONCRETE DECK. MAIN ROOF DECK IS APPROX. 80'-8" ABOVE FIRST FLOOR. PENTHOUSE ROOF IS APPROX. 106'-6" ABOVE FIRST FLOOR.
  - B** ADHERED, SINGLE MEMBRANE ROOFING SYSTEM ON NEW 1/2" RECOVERY BOARD ON EXISTING SLOPED CONCRETE DECK. CANOPY ROOF DECK IS APPROX. 10'-4" ABOVE FIRST FLOOR.

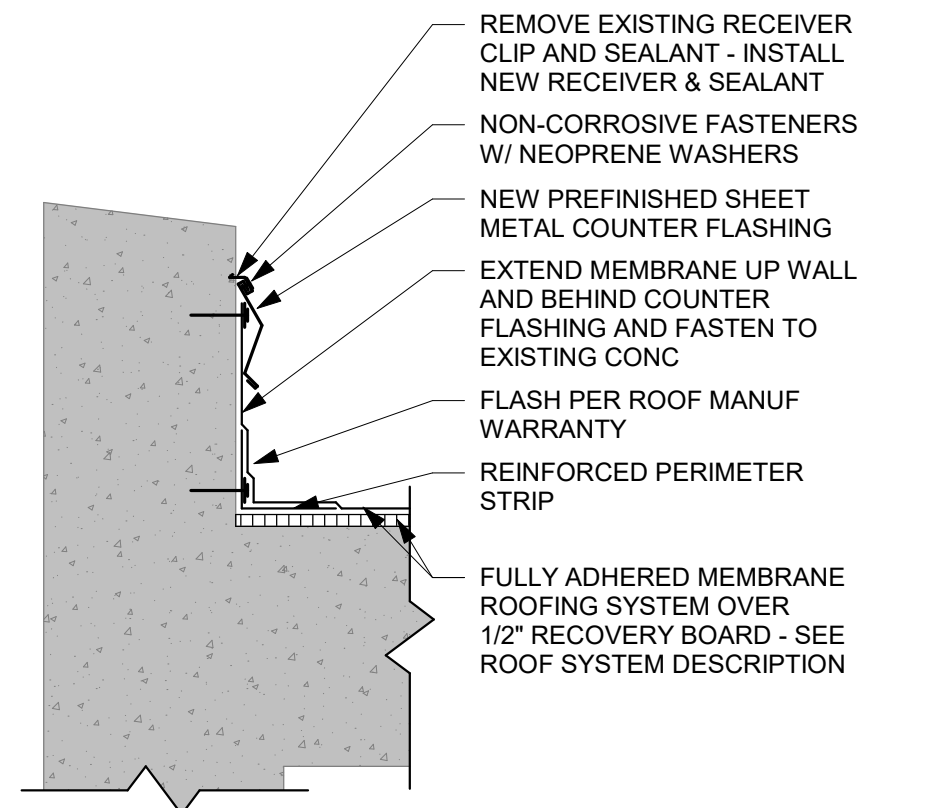
- ROOF KEY NOTES**
- REMOVE EXISTING ADHERED MEMBRANE AND EXISTING INSULATION DOWN TO EXISTING CONCRETE ROOF DECK. INSTALL NEW ADHERED MEMBRANE OVER TAPERED INSULATION OVER 2 1/2" BASE INSULATION - SEE ROOF SYSTEM DESCRIPTIONS.
  - REMOVE EXISTING SHEET METAL CAP FLASHING AND INSTALL NEW.
  - REMOVE EXISTING SHEET METAL ROOF EDGE FLASHING AND INSTALL NEW.
  - EXISTING ROOF LADDER - SAND, PRIME AND PAINT.
  - EXISTING ROOF DRAIN - FLASH INTO NEW ROOF MEMBRANE W/ MIN. 4" x 4" SQUARE SUMP AT DRAIN.
  - EXISTING PIPE PENETRATION - FLASH INTO NEW ROOF MEMBRANE - SEE DETAILS 4A01.
  - EXISTING MECHANICAL EQUIPMENT ON EXISTING CURB - FLASH INTO NEW MEMBRANE - SEE DETAIL 5A01. LIFT EQUIPMENT FROM EXISTING CURB SO NEW FLASHING CAN BE INSTALLED OVER THE TOP OF THE EXISTING CURB. RESET EXISTING EQUIPMENT. DISCONNECT/RECONNECT ELECTRICAL AS REQUIRED.
  - DIAGONAL HATCH REPRESENTS NEW 30"x20" WIDE WALKWAY PADS.
  - EXISTING CHIMNEY AND INGENERATOR FLUE TO REMAIN.
  - EXISTING ROOF DRAIN AT CANOPIES BELOW - FLASH INTO NEW ROOF MEMBRANE.



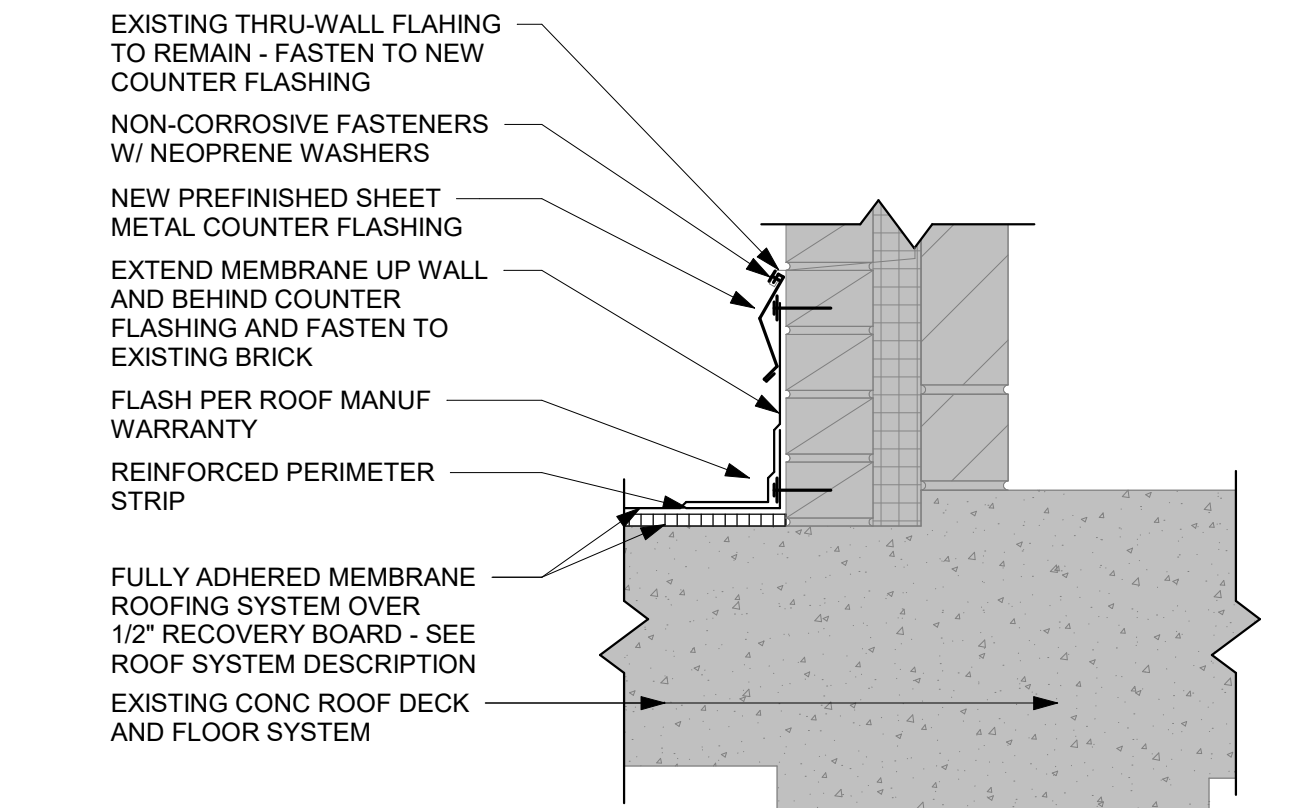
**4 PIPE PENETRATION DETAIL**  
1 1/2" = 1'-0"



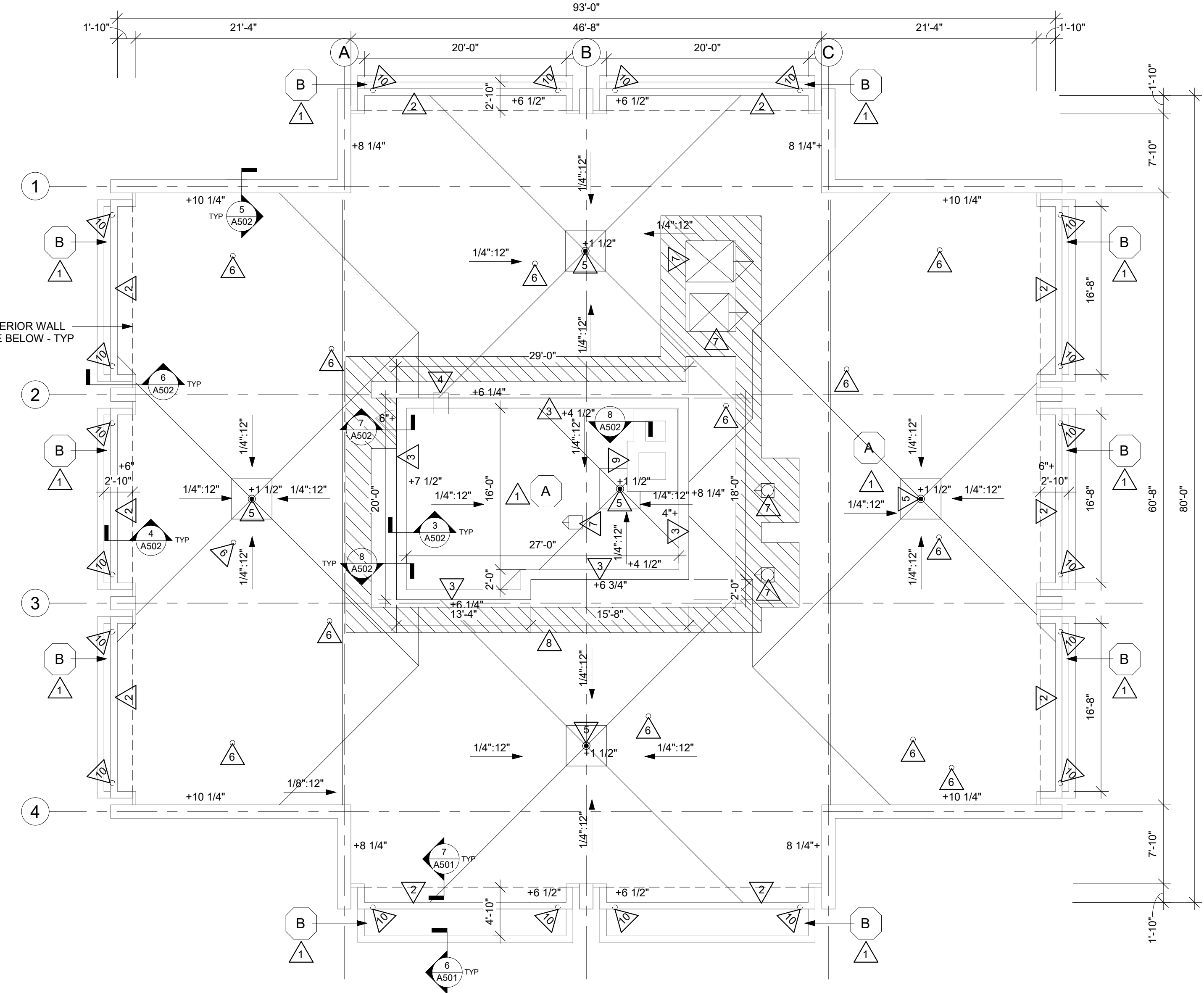
**5 ROOF CURB DETAIL**  
1 1/2" = 1'-0"



**6 CANOPY ROOF EDGE DETAIL**  
1 1/2" = 1'-0"

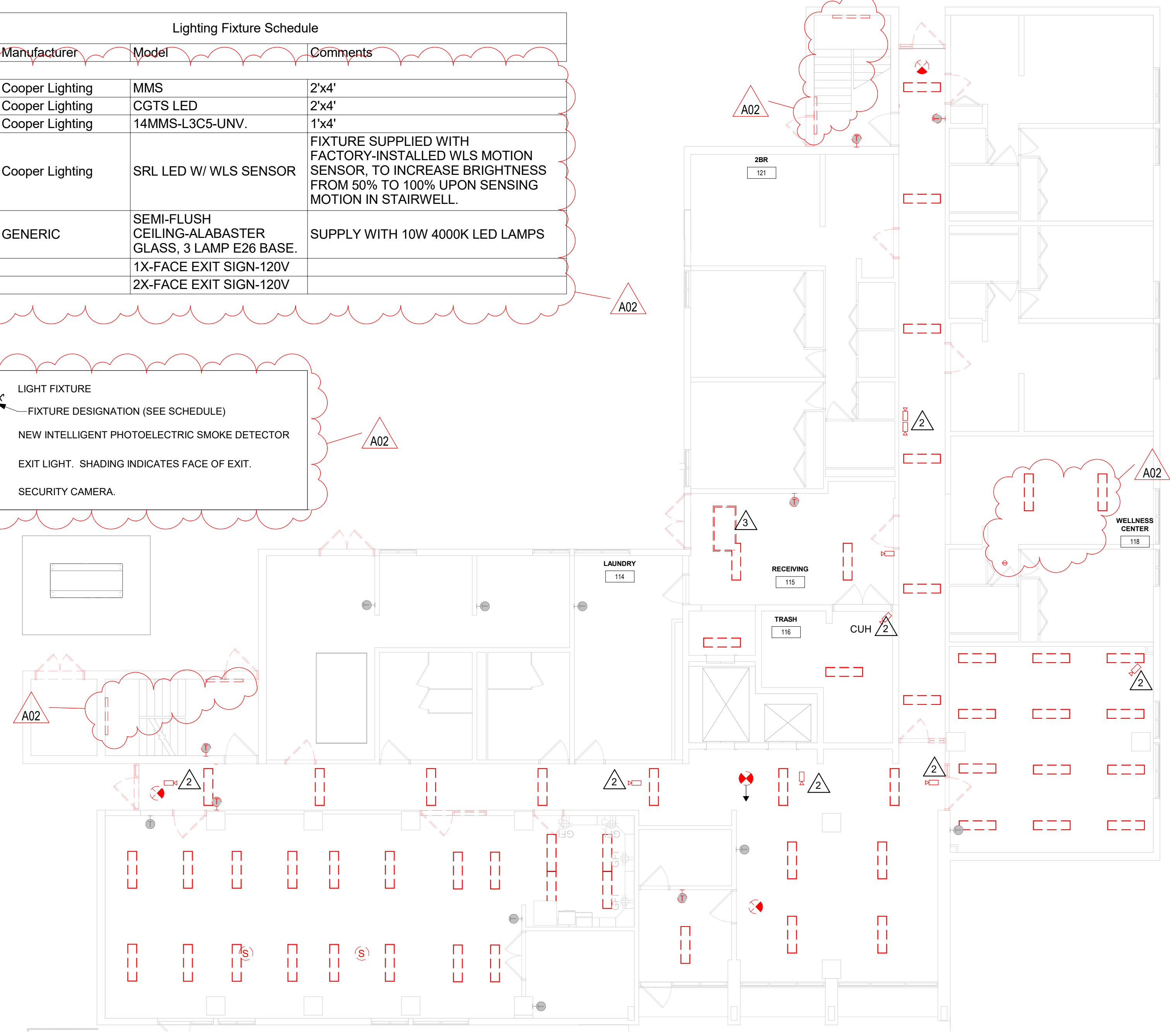
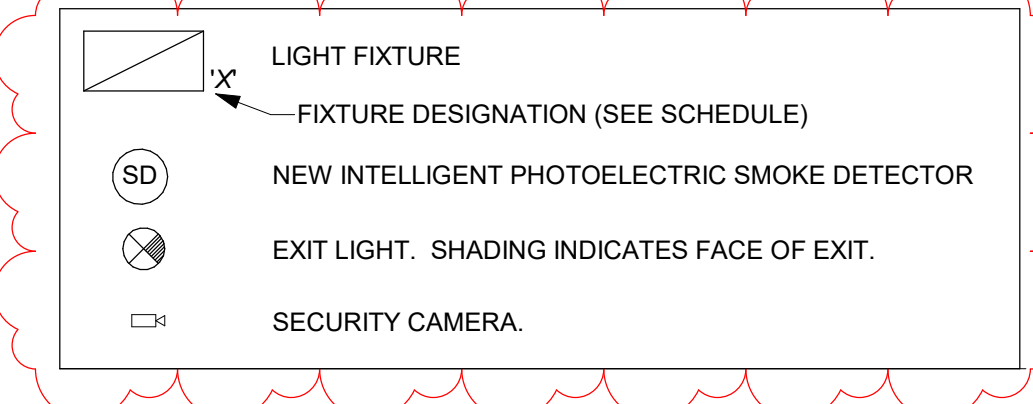


**7 CANOPY ROOF/WALL DETAIL**  
1 1/2" = 1'-0"



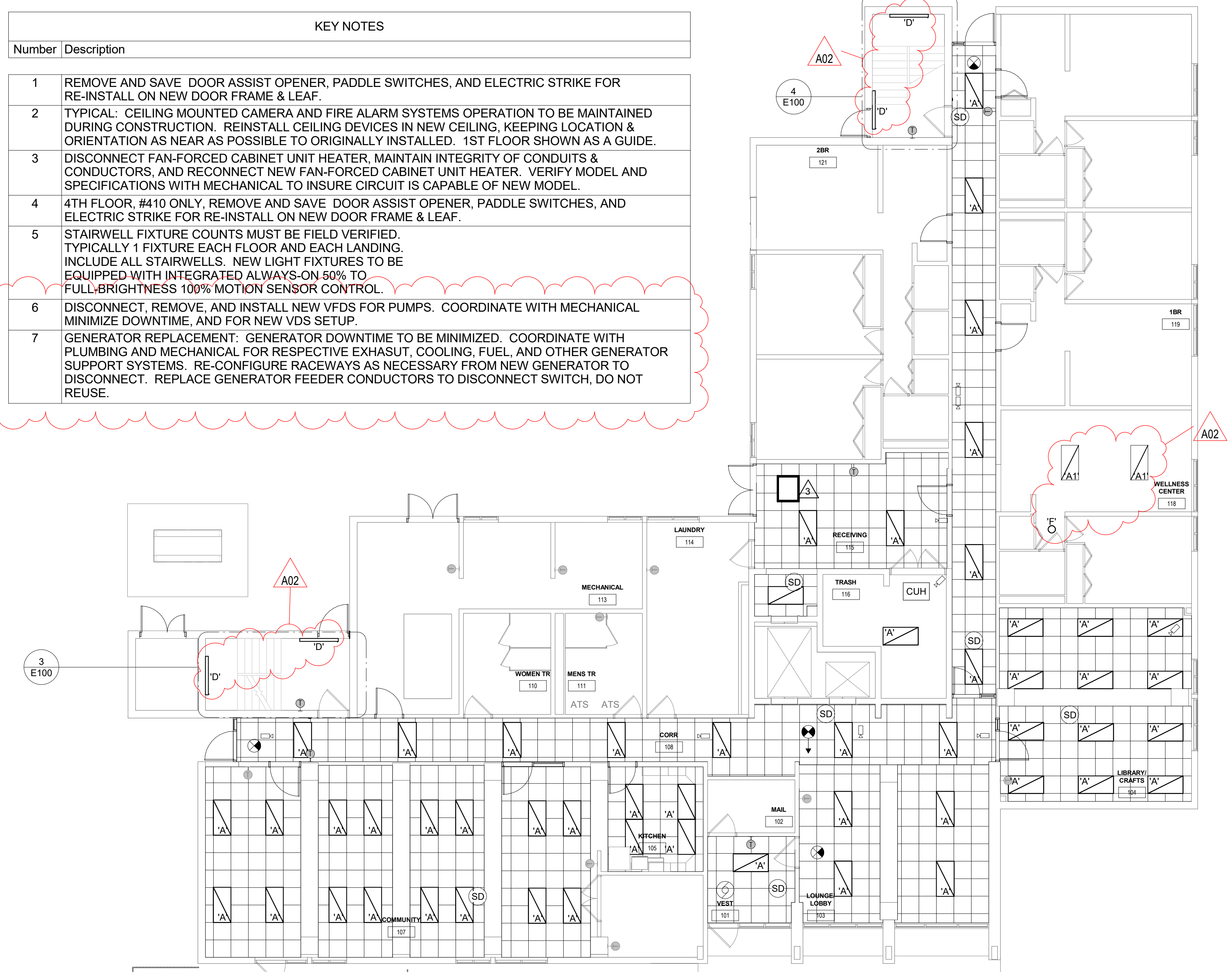
**2 ROOF PLAN**  
1/8" = 1'-0"

| Lighting Fixture Schedule |                 |  |  |
|---------------------------|-----------------|--|--|
| Type Mark                 | Manufacturer    | Model  | Comments   |
| 'A1'                      | Cooper Lighting | MMS  | 2'x4'  |
| 'A'                       | Cooper Lighting | CGTS LED   | 2'x4'  |
| 'C'                       | Cooper Lighting | 14MMS-L3C5-UNV.                                      | 1'x4'  |
| 'D'                       | Cooper Lighting | SRL LED W/ WLS SENSOR                                | FIXTURE SUPPLIED WITH FACTORY-INSTALLED WLS MOTION SENSOR, TO INCREASE BRIGHTNESS FROM 50% TO 100% UPON SENSING MOTION IN STAIRWELL. |
| 'F'                       | GENERIC         | SEMI-FLUSH CEILING-ALABASTER GLASS, 3 LAMP E26 BASE. | SUPPLY WITH 10W 4000K LED LAMPS  |
| 'X1'                      |                 | 1X-FACE EXIT SIGN-120V                               |  |
| 'X2'                      |                 | 2X-FACE EXIT SIGN-120V                               |  |



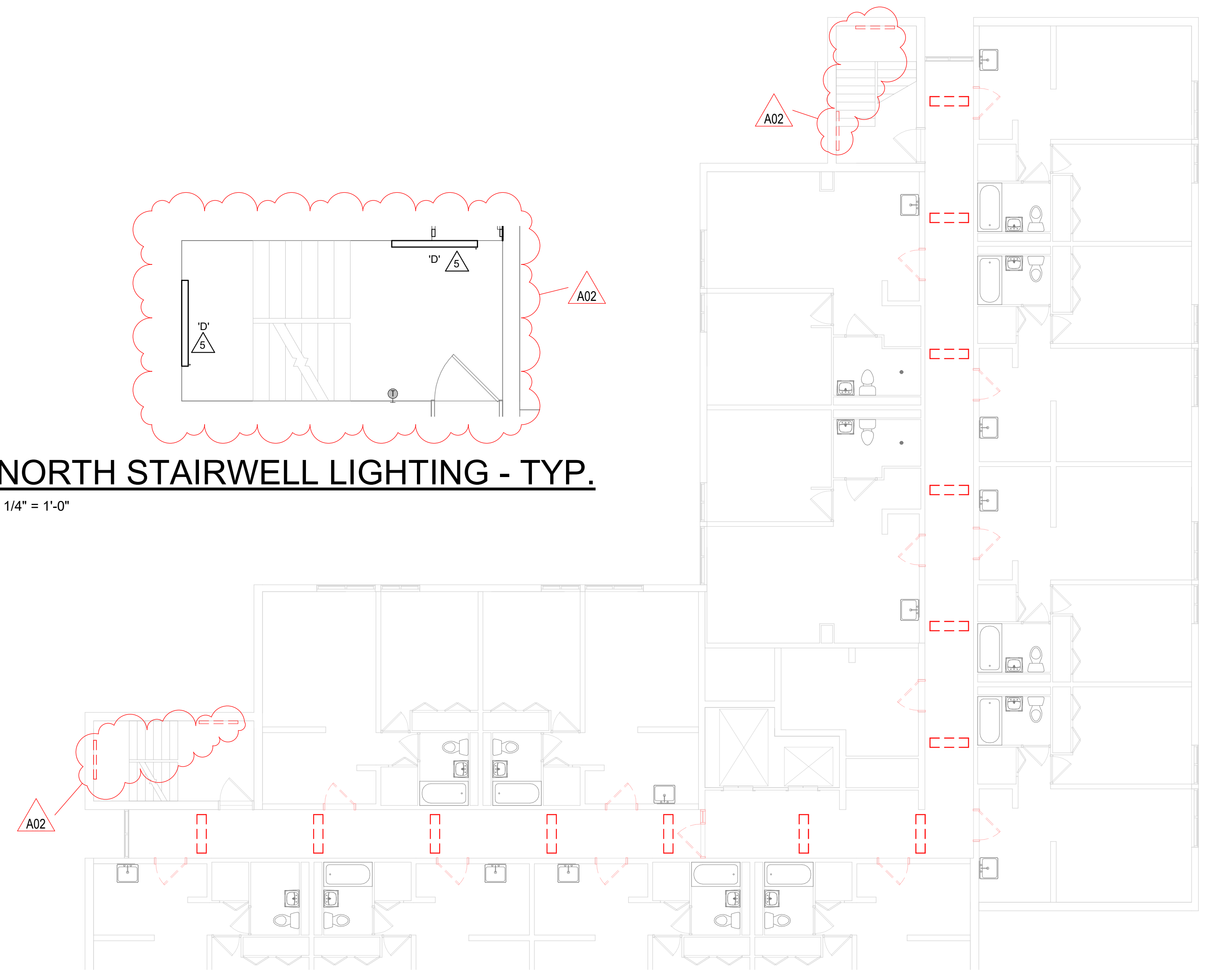
**1** 1ST FL. LIGHTING - DEMO PLAN  
1/8" = 1'-0"

| KEY NOTES |   |
|-----------|---|
| Number    | Description   |
| 1         | REMOVE AND SAVE DOOR ASSIST OPENER, PADDLE SWITCHES, AND ELECTRIC STRIKE FOR RE-INSTALL ON NEW DOOR FRAME & LEAF.   |
| 2         | TYPICAL: CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CEILING DEVICES IN NEW CEILING, KEEPING LOCATION & ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED. 1ST FLOOR SHOWN AS A GUIDE.  |
| 3         | DISCONNECT FAN-FORCED CABINET UNIT HEATER, MAINTAIN INTEGRITY OF CONDUITS & CONDUCTORS, AND RECONNECT NEW FAN-FORCED CABINET UNIT HEATER. VERIFY MODEL AND SPECIFICATIONS WITH MECHANICAL TO INSURE CIRCUIT IS CAPABLE OF NEW MODEL.  |
| 4         | 4TH FLOOR, #410 ONLY: REMOVE AND SAVE DOOR ASSIST OPENER, PADDLE SWITCHES, AND ELECTRIC STRIKE FOR RE-INSTALL ON NEW DOOR FRAME & LEAF.   |
| 5         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY 1 FIXTURE EACH FLOOR AND EACH LANDING. INCLUDE ALL STAIRWELLS. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL.  |
| 6         | DISCONNECT, REMOVE, AND INSTALL NEW VFDS FOR PUMPS. COORDINATE WITH MECHANICAL MINIMIZE DOWNTIME, AND FOR NEW VDS SETUP.  |
| 7         | GENERATOR REPLACEMENT: GENERATOR DOWNTIME TO BE MINIMIZED. COORDINATE WITH PLUMBING AND MECHANICAL FOR RESPECTIVE EXHAUST, COOLING, FUEL, AND OTHER GENERATOR SUPPORT SYSTEMS. RE-CONFIGURE RACEWAYS AS NECESSARY FROM NEW GENERATOR TO DISCONNECT. REPLACE GENERATOR FEEDER CONDUCTORS TO DISCONNECT SWITCH, DO NOT REUSE. |

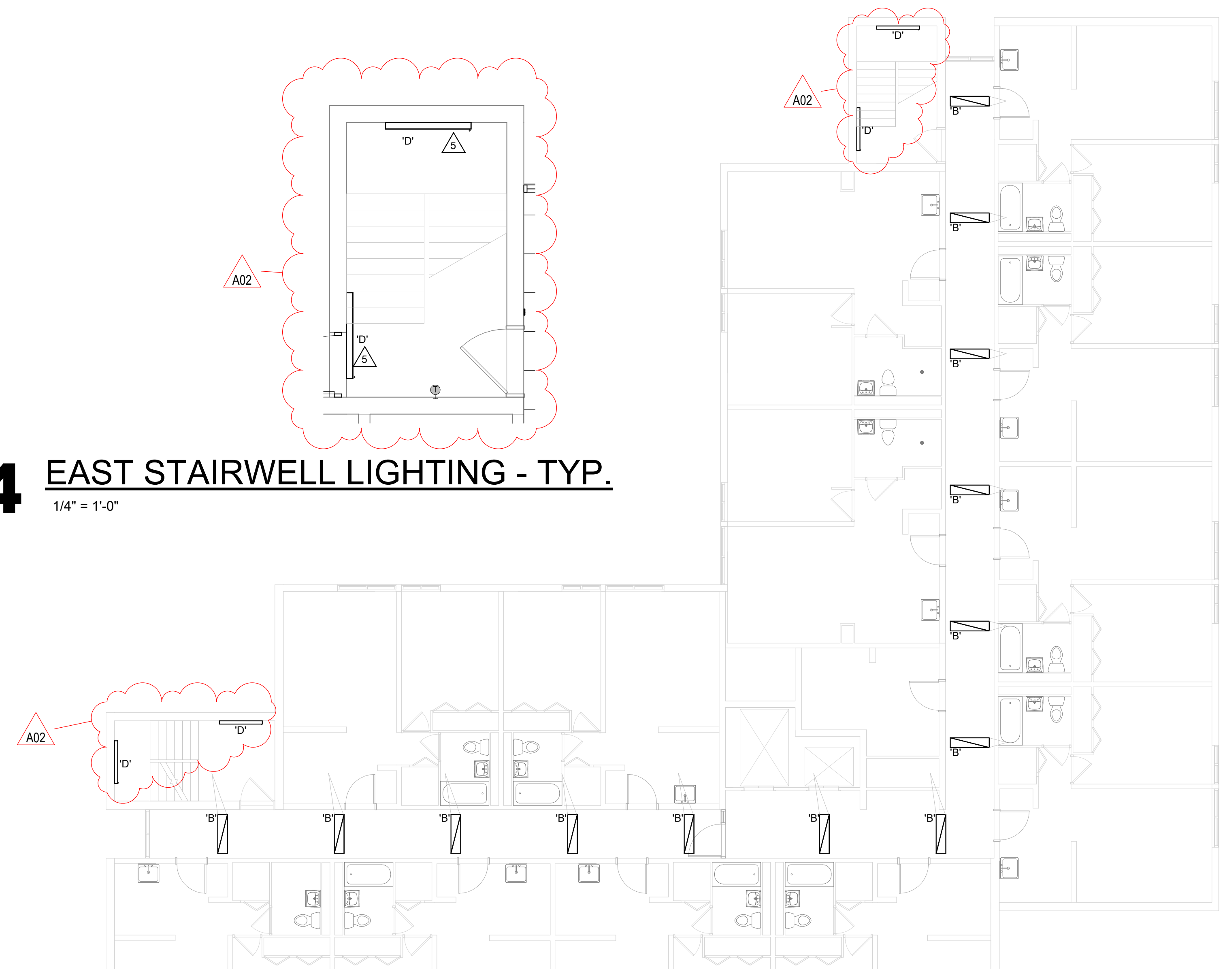


**2** 1ST FL. LIGHTING - REMODEL PLAN  
1/8" = 1'-0"

**3** NORTH STAIRWELL LIGHTING - TYP.  
1/4" = 1'-0"



**4** EAST STAIRWELL LIGHTING - TYP.  
1/4" = 1'-0"



**5** 2ND - 7TH FL. LIGHTING - DEMO PLAN  
1/8" = 1'-0"

**6** 2ND - 7TH FL. LIGHTING - REMODEL PLAN  
1/8" = 1'-0"



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

1ST FL & 8TH FLOOR POWER PLANS

Project Title:  
HSR Project Number:  
24048

Project Date:  
JANUARY 2025

Drawn By:  
JMH

Key Plan:

Revisions:

No. Description Date

A02 ADDENDUM #2 01/16/2025

Graphic Scale:  
VARIES

Last Update:  
1/16/2025 1:28:17 PM

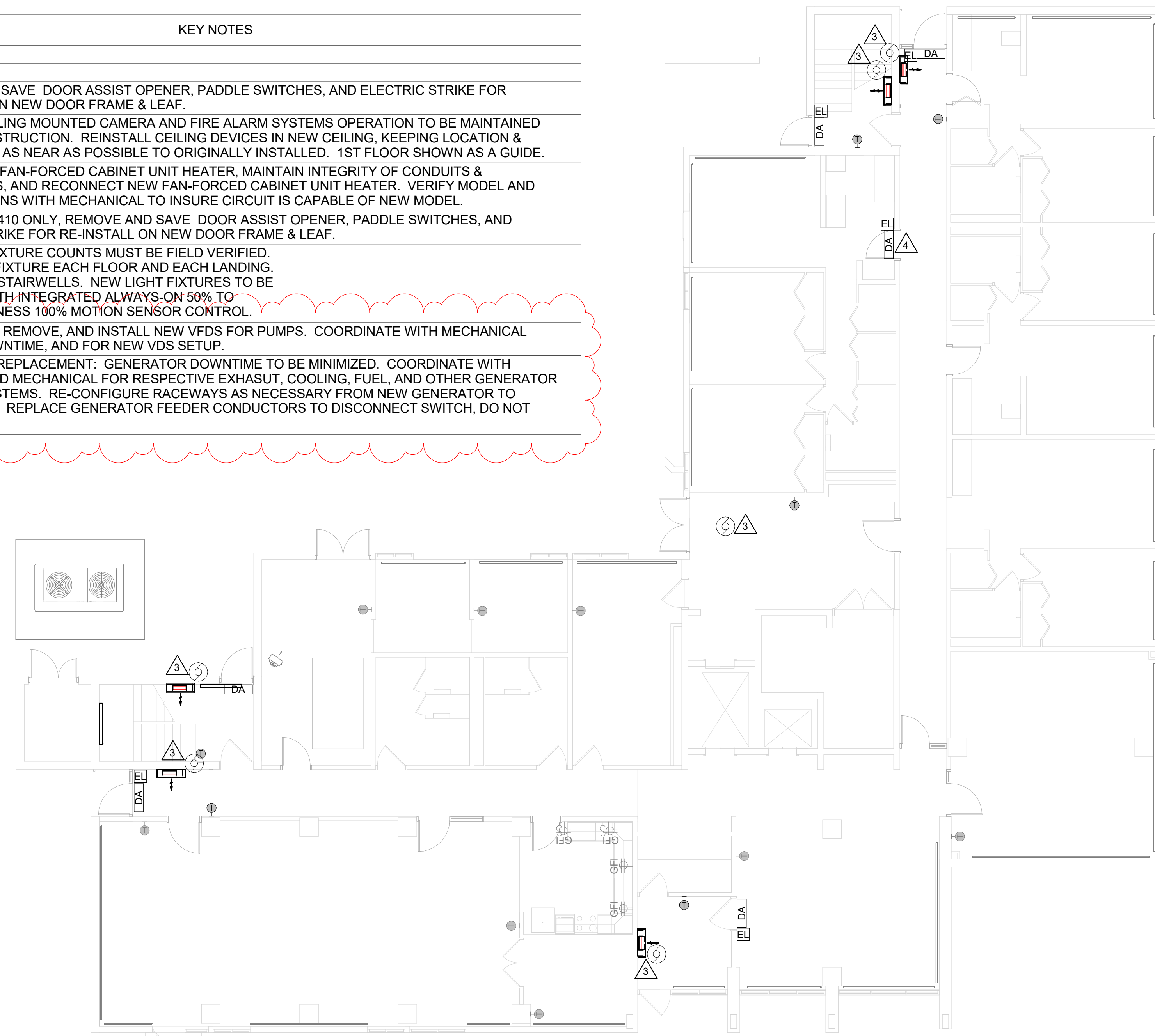
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E101

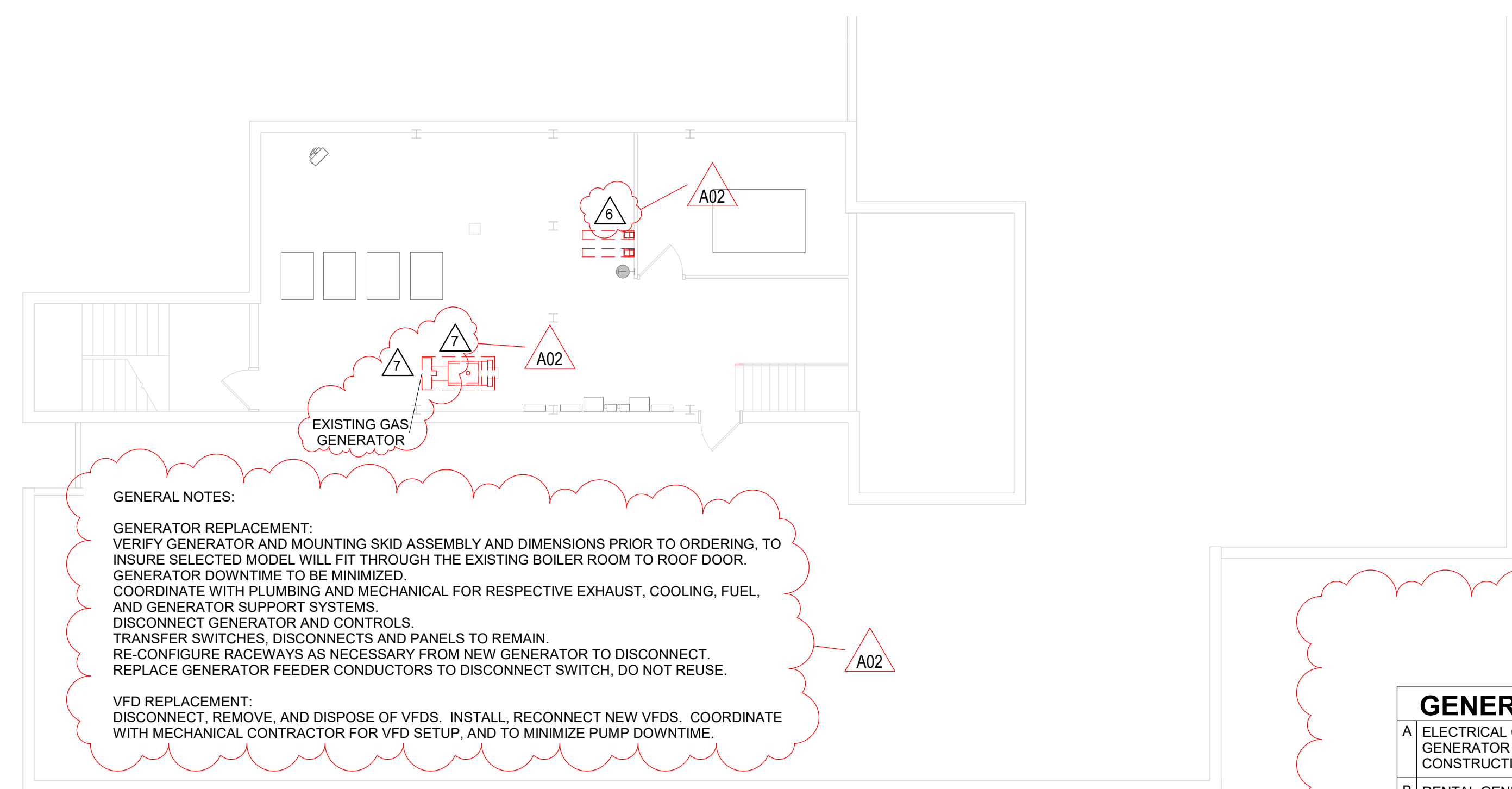
| KEY NOTES |   |
|-----------|---|
| Number    | Description   |
| 1         | REMOVE AND SAVE DOOR ASSIST OPENER, PADDLE SWITCHES, AND ELECTRIC STRIKE FOR RE-INSTALL ON NEW DOOR FRAME & LEAF.   |
| 2         | TYPICAL: CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CEILING DEVICES IN NEW CEILING, KEEPING LOCATION & ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED. 1ST FLOOR SHOWN AS A GUIDE.  |
| 3         | DISCONNECT FAN-FORCED CABINET UNIT HEATER, MAINTAIN INTEGRITY OF CONDUITS & CONDUCTORS, AND RECONNECT NEW FAN-FORCED CABINET UNIT HEATER. VERIFY MODEL AND SPECIFICATIONS WITH MECHANICAL TO INSURE CIRCUIT IS CAPABLE OF NEW MODEL.  |
| 4         | 4TH FLOOR, #410 ONLY, REMOVE AND SAVE DOOR ASSIST OPENER, PADDLE SWITCHES, AND ELECTRIC STRIKE FOR RE-INSTALL ON NEW DOOR FRAME & LEAF.   |
| 5         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY 1 FIXTURE EACH FLOOR AND EACH LANDING. INCLUDE ALL STAIRWELLS. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL.  |
| 6         | DISCONNECT, REMOVE, AND INSTALL NEW VFDS FOR PUMPS. COORDINATE WITH MECHANICAL MINIMIZE DOWNTIME, AND FOR NEW VDS SETUP.  |
| 7         | GENERATOR REPLACEMENT: GENERATOR DOWNTIME TO BE MINIMIZED. COORDINATE WITH PLUMBING AND MECHANICAL FOR RESPECTIVE EXHAUST, COOLING, FUEL, AND OTHER GENERATOR SUPPORT SYSTEMS. RE-CONFIGURE RACEWAYS AS NECESSARY FROM NEW GENERATOR TO DISCONNECT. REPLACE GENERATOR FEEDER CONDUCTORS TO DISCONNECT SWITCH, DO NOT REUSE. |



**1** 1ST FLOOR POWER - DEMO  
1/8" = 1'-0"



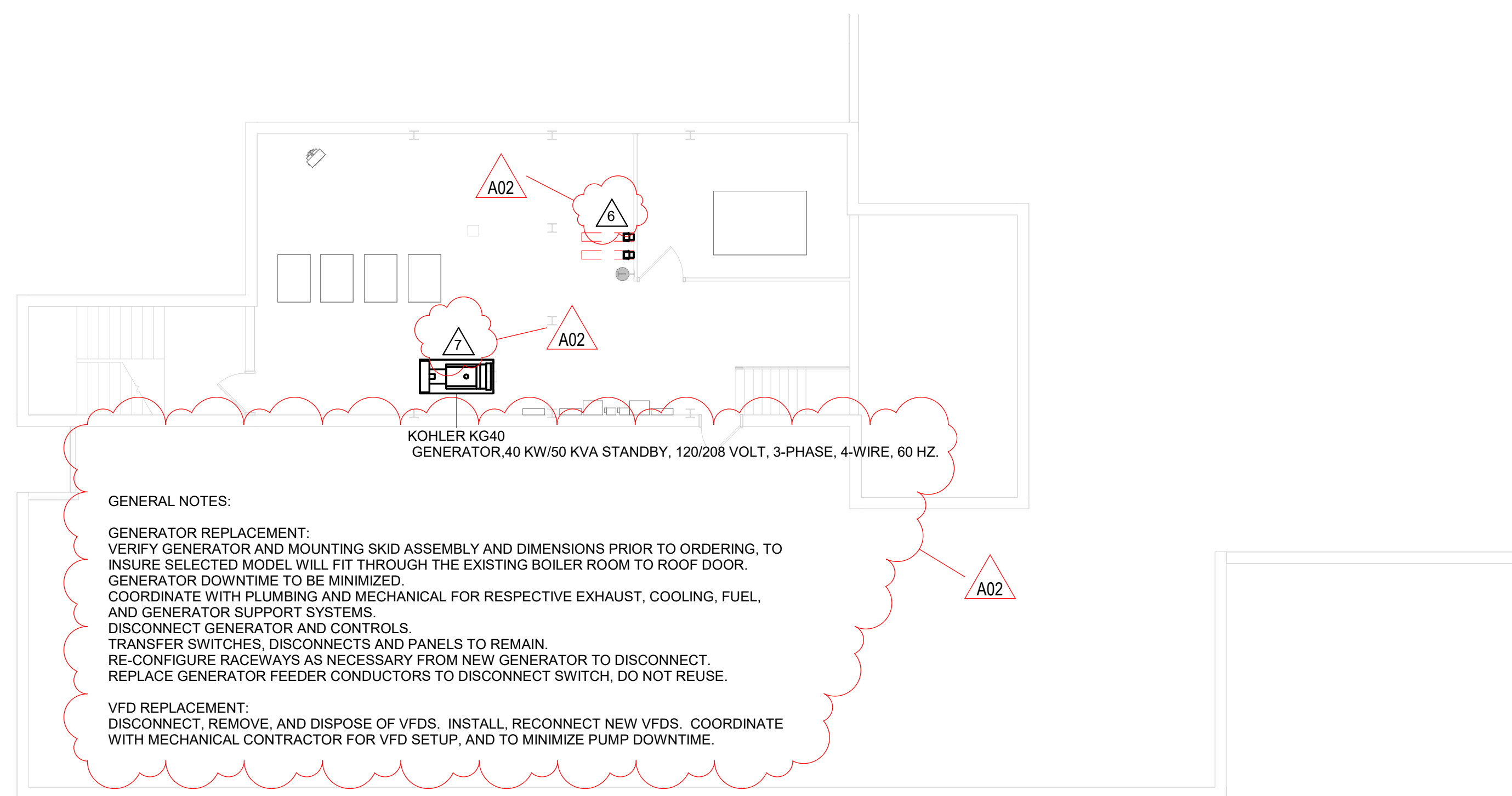
**2** 1ST FLOOR POWER - REMODEL PLAN  
1/8" = 1'-0"



**3** 8TH FLOOR ELECTRICAL DEMO PLAN  
1/8" = 1'-0"

**GENERAL NOTES GENERATOR:**

- A ELECTRICAL CONTRACTOR TO PROVIDE RENTAL, TEMPORARY GENERATOR FOR EMERGENCY BACKUP DURING CHANGEOVER CONSTRUCTION.
- B RENTAL GENERATOR TO BE SIZED TO ACCOMMODATE THE LOAD NORMALLY PROVIDED BY THE FACILITY'S BACKUP GENERATOR.
- C RENTAL UNIT CAN BE PLACED ON THE ROOF NEAR THE BOILER ROOM ROOF ACCESS. CONTRACTOR MUST USE CAUTION AND LOAD DISPLACEMENT MATERIAL TO SPREAD THE WEIGHT OF THE GENSET TO PREVENT DAMAGE TO ROOF.
- D CONTRACTOR IS TO INCLUDE IN THE BID ANY CRANE WORK NECESSARY.



**4** 8TH FLOOR ELECTRICAL REMODEL PLAN  
1/8" = 1'-0"



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

1ST FLOOR LIGHTING PLAN

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JMH

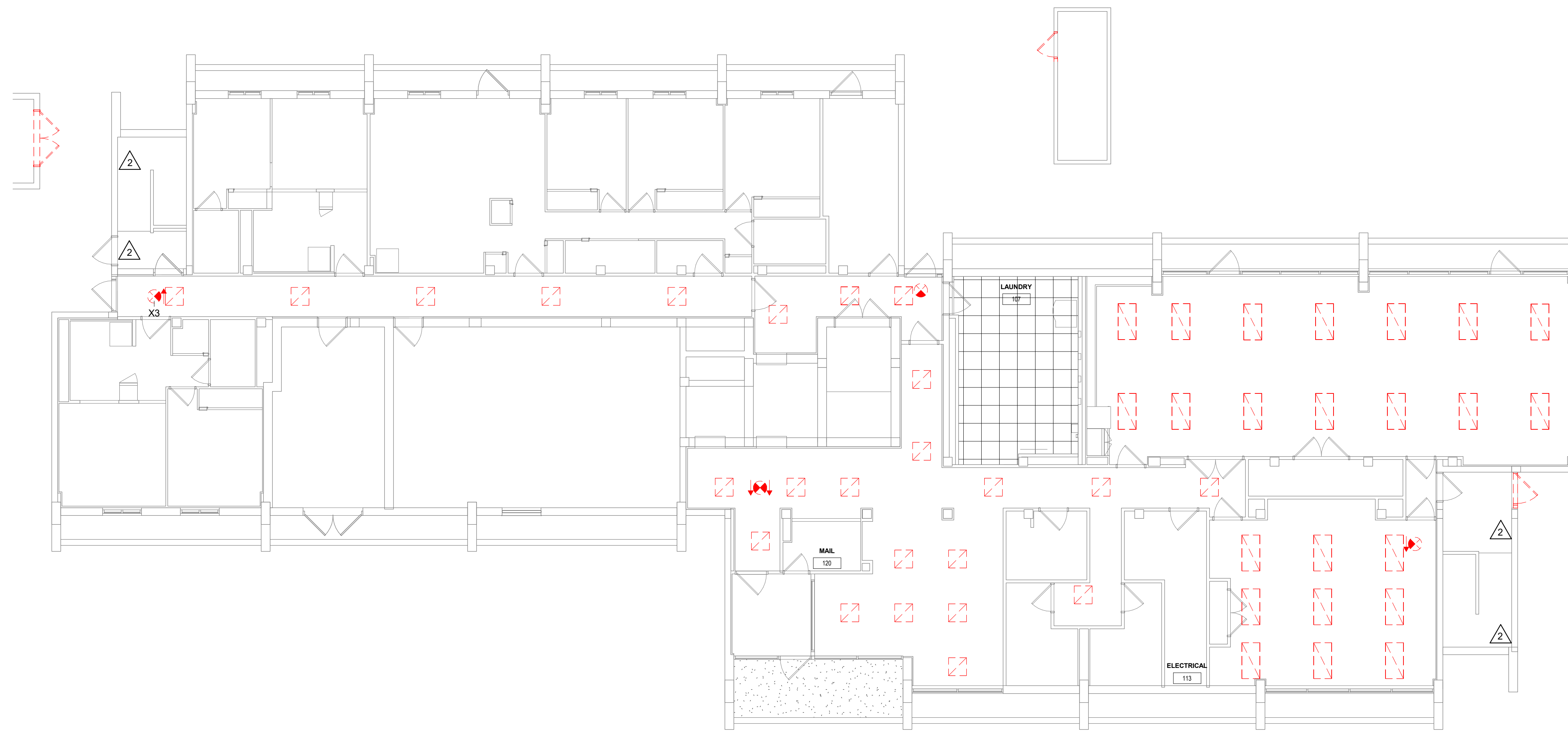
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| No. | Description | Date       |
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| A02 | ADDENDUM #2 | 01/16/2025 |

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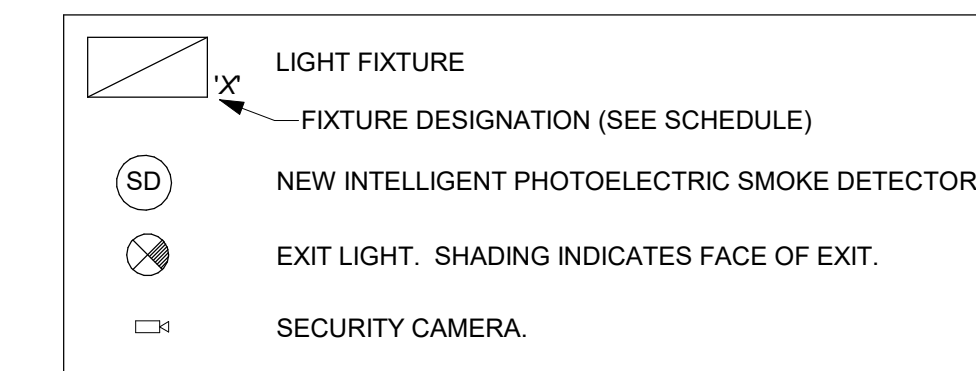
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E200

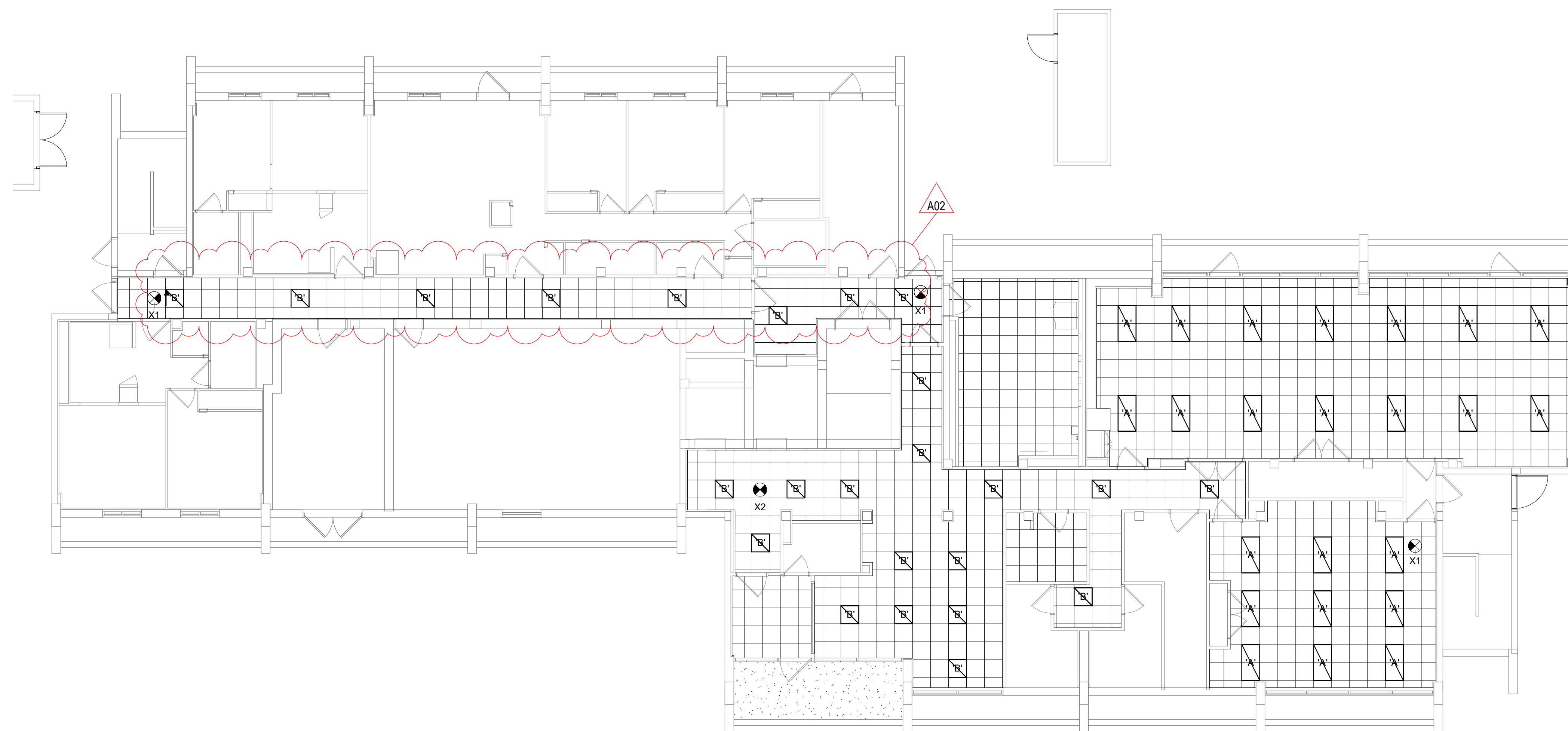


| Lighting Fixture Schedule |                 |                           |          |
|---------------------------|-----------------|---------------------------|----------|
| Type Mark                 | Manufacturer    | Model                     | Comments |
|                           | GENERIC         | 2'x2' & 2'x4' LAY-IN      | DEMO     |
| 'A'                       | Cooper Lighting | CGTS LED FLAT PANEL 2'x4' | 2'x4'    |
| 'B'                       | Cooper Lighting | CGTS LED                  | 2'x2'    |
| 'C'                       | Cooper Lighting | MMS                       | 1'x4'    |
| 'D'                       | Cooper Lighting | SRL LED W/ WLS SENSOR     |          |
| .                         | GENERIC         | 4' STRIP LIGHT 32W T8     | DEMO     |
| X1                        | -               | 1X-FACE EXIT SIGN-120V    |          |
| X2                        | -               | 2X-FACE EXIT SIGN-120     |          |

| KEY NOTES |  |
|-----------|--|
| Number    | Description  |
| 1         | TYPICAL: CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CEILING DEVICES IN NEW CEILING, KEEPING LOCATION AND ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED.           |
| 2         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY 1 FIXTURE EACH FLOOR AND EACH LANDING. INCLUDE ALL STAIRWELLS. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL. |

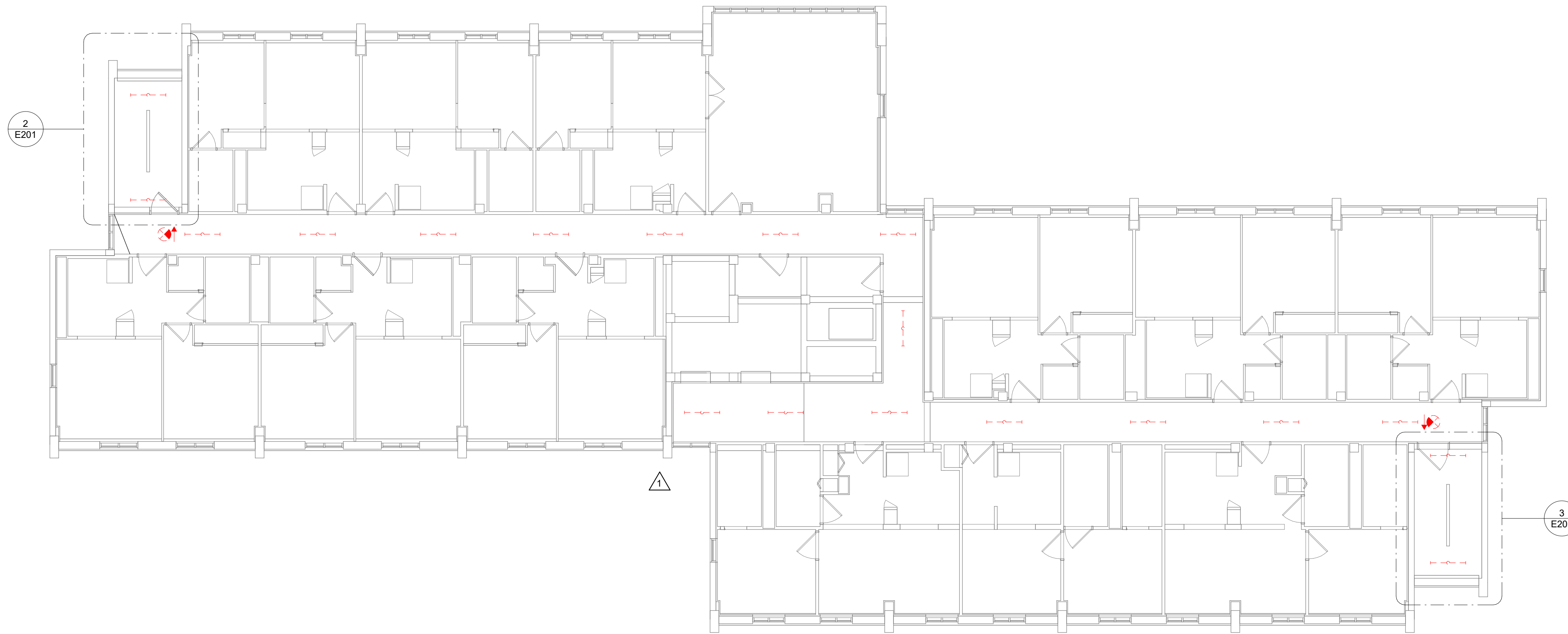


**1** 1st FL LIGHTING DEMO  
1/8" = 1'-0"

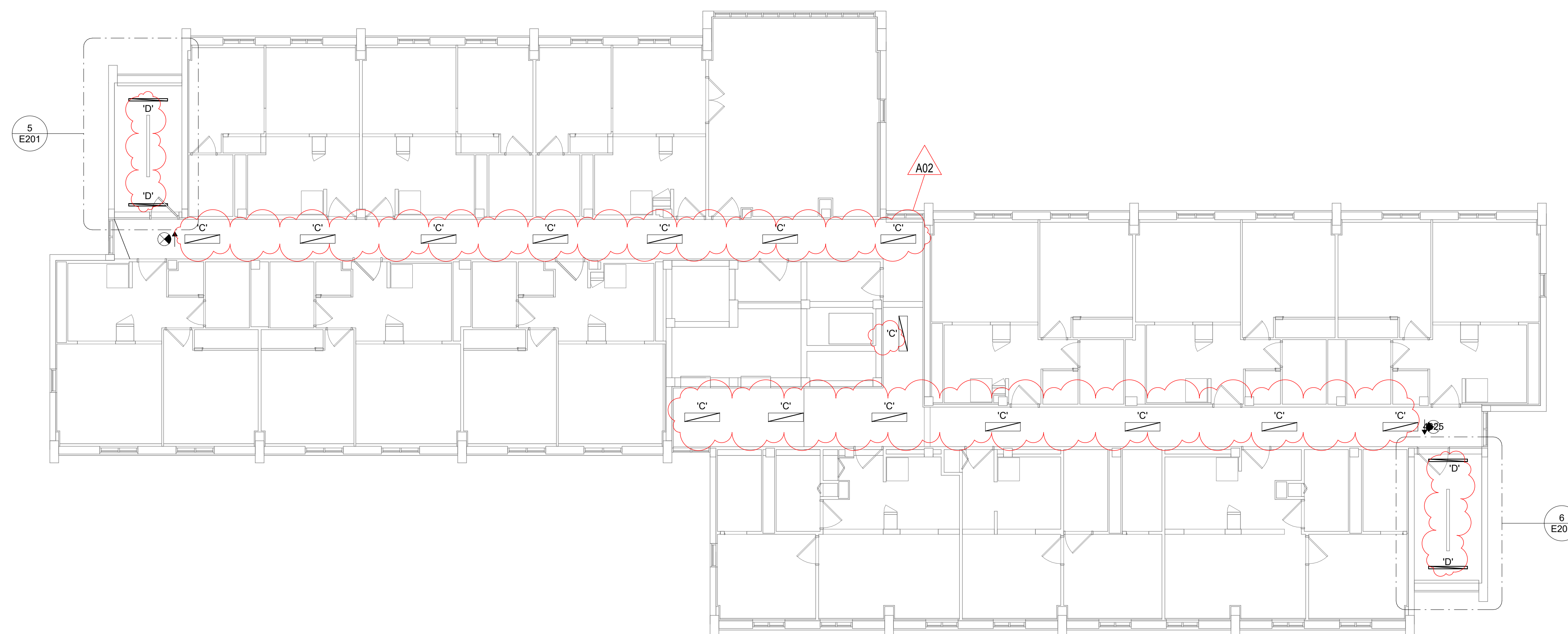


**2** 1st FL LIGHTING REMODEL  
1/8" = 1'-0"

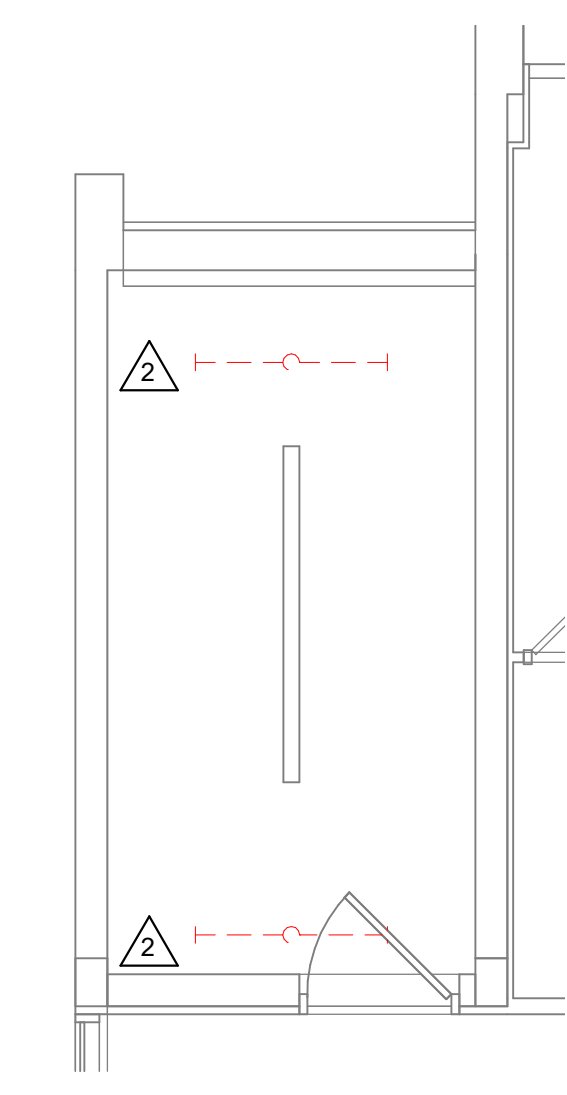
SAUBER MANOR



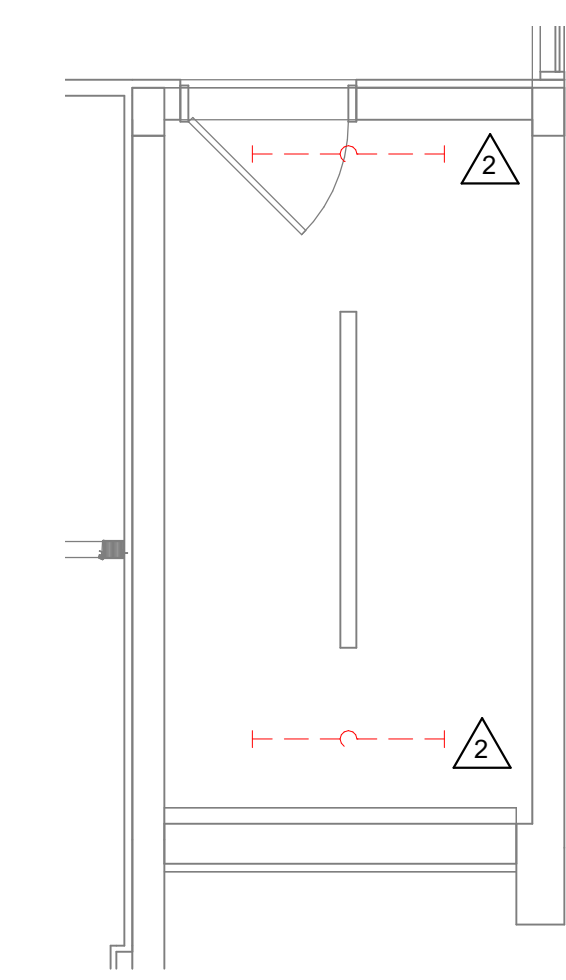
**1** 8th FL LIGHTING DEMO  
1/8" = 1'-0"



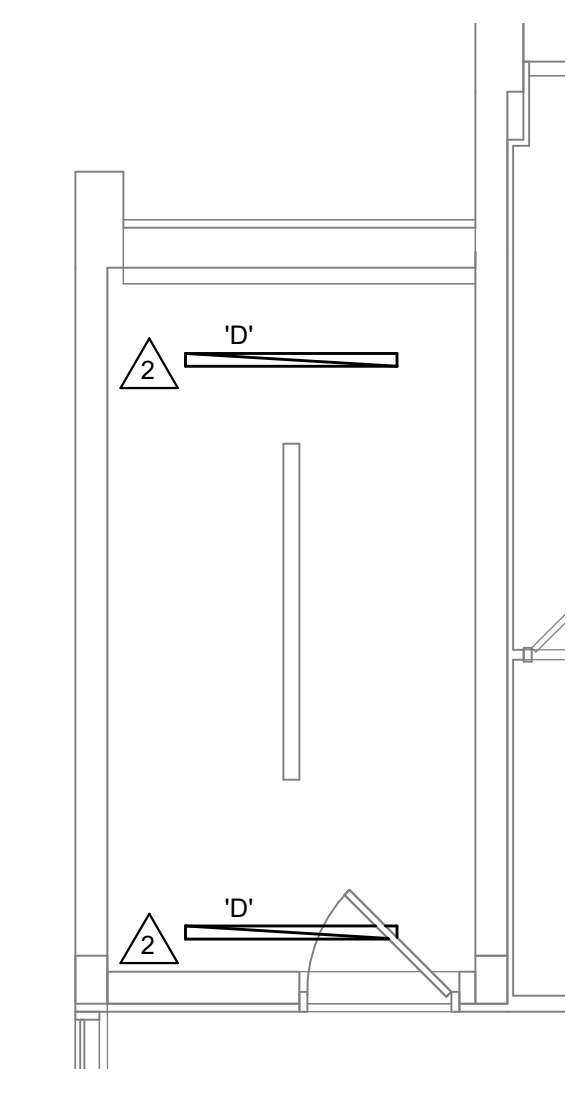
**4** 8th FL LIGHTING REMODEL  
1/8" = 1'-0"



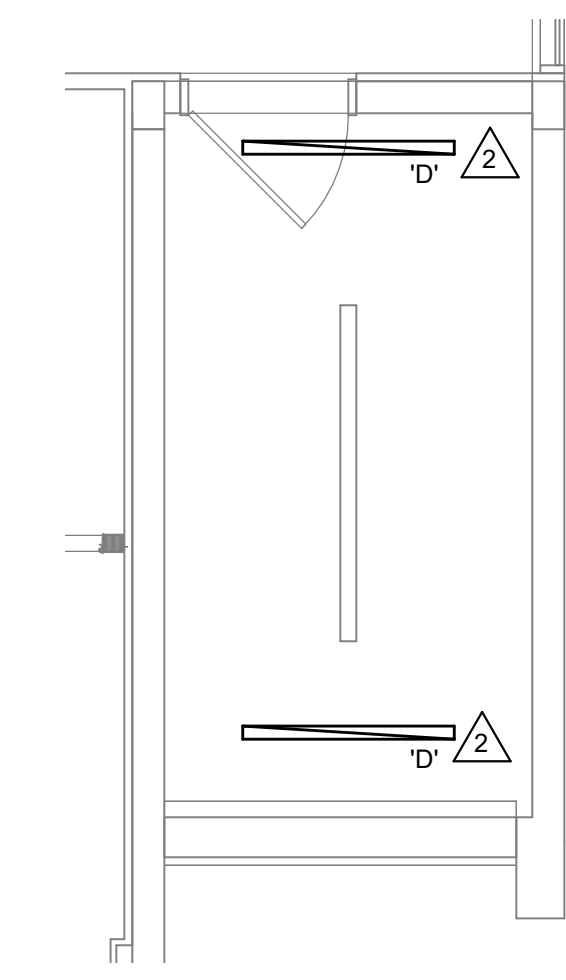
**2** LIGHTING - N STAIR DEMO  
1/4" = 1'-0"



**3** LIGHTING - S STAIR DEMO  
1/4" = 1'-0"



**5** LIGHTING - N STAIR REMODEL  
1/4" = 1'-0"



**6** LIGHTING - S STAIR REMODEL  
1/4" = 1'-0"



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

Sheet Title: 2ND - 8TH FLOOR LIGHTING PLAN

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JMH

Key Plan:

| No. | Description | Date       |
|-----|-------------|------------|
| A02 | ADDENDUM #2 | 01/16/2025 |

Graphic Scale: VARIES

Last Update: 1/16/2025 9:17:29 AM

SAUBER MANOR

**E201**



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

1ST & 2ND FLOOR LIGHTING DEMO PLAN

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JMH

Key Plan:

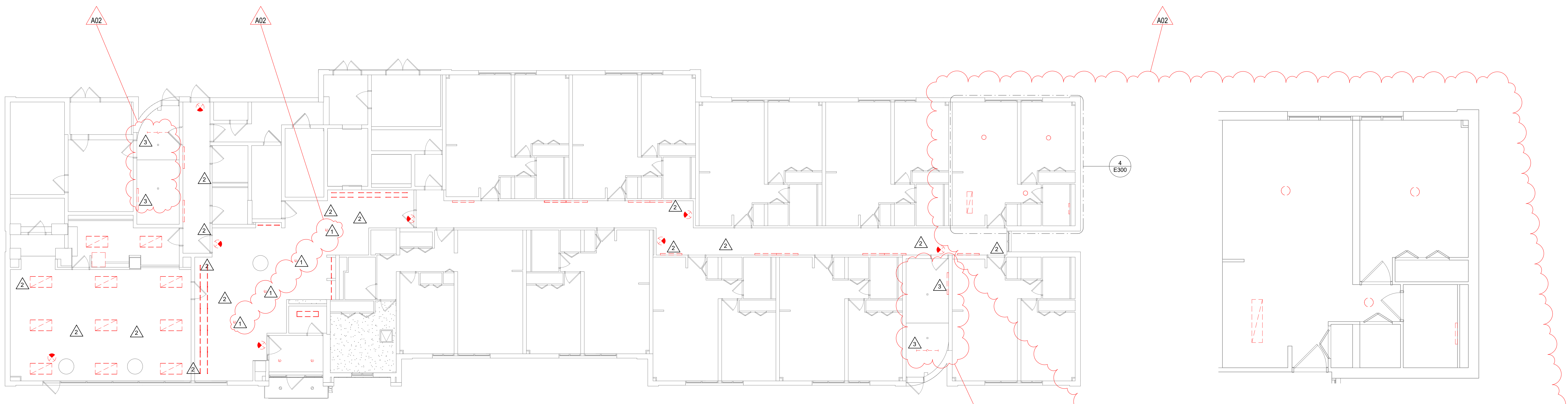
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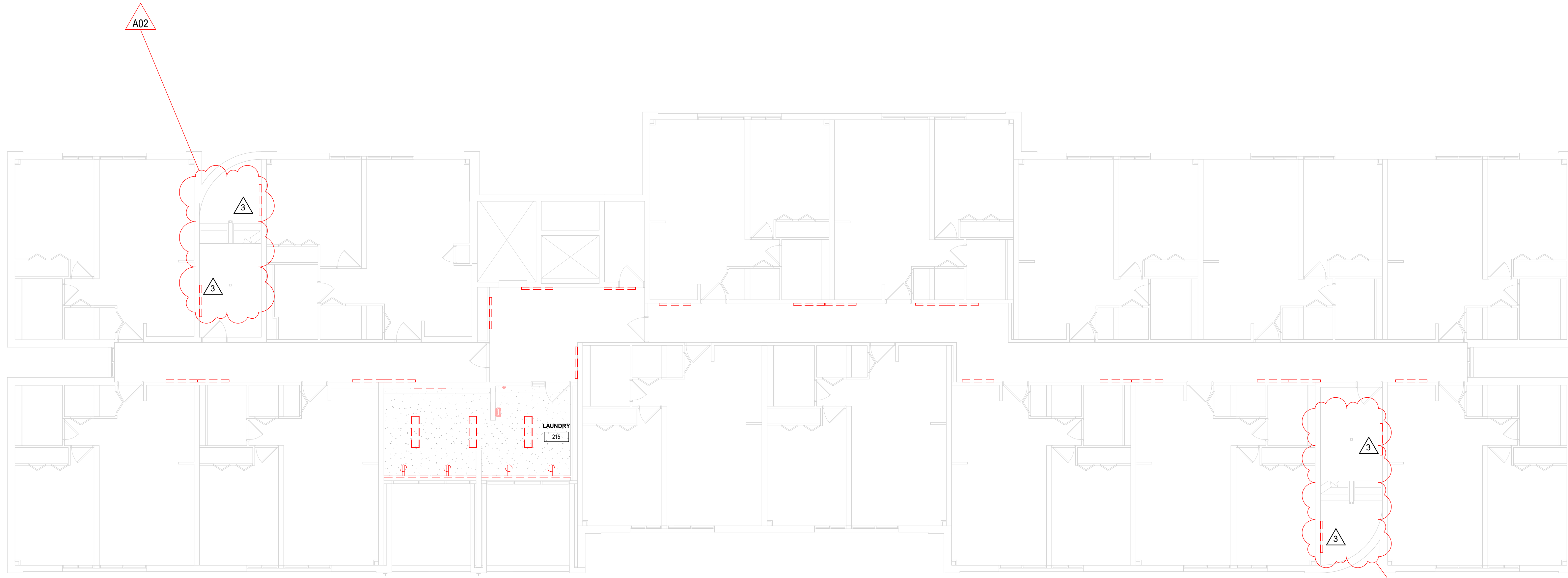
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**E300**



**1** 1ST FLOOR LIGHTING DEMO  
1/8" = 1'-0"

**4** TYPICAL 1 BEDROOM LIGHTING DEMO  
1/4" = 1'-0"



**2** 2ND FLOOR LIGHTING DEMO  
1/8" = 1'-0"

Legend:

- LIGHT FIXTURE
- FIXTURE DESIGNATION (SEE SCHEDULE)
- NEW INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR
- EXIT LIGHT. SHADING INDICATES FACE OF EXIT.
- SECURITY CAMERA.

| Lighting Fixture Schedule |                 |  |  |
|---------------------------|-----------------|--|--|
| Type Mark                 | Manufacturer    | Model  | Comments   |
| 'A'                       | Cooper Lighting | CGTS LED   | 2'x4' LED LAY-IN FLAT PANEL                                  |
| 'C'                       | Cooper Lighting | MMS  | MAIL ROOM, 1 BEDROOM UNIT KITCHENS                           |
| 'D'                       | Cooper Lighting | SRL LED W/ WLS SENSOR                                      | STAIRWELLS   |
| 'E'                       | Cooper Lighting | 4' STSLP   | CORRIDORS  |
| 'F'                       | ANY             | 12" -15" SEMI-FLUSH FIXTURE, 3 LAMPS, E26 BASE, 4000K 10W. | 1-BEDROOM UNITS.   |
| 'H'                       | Cooper Lighting | SLSTP  | 2' VANITY STRIP LIGHT.                                       |
| --                        | GENERIC         | 3' &/OR 4' 1-LAMP STRIP LIGHT                              | DEMO   |
| ---                       | GENERIC         | 6" CAN LIGHT   | DEMO. EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.      |
| ..                        | GENERIC         | 1'x4' SURFACE T8   | DEMO   |
| EXTG                      | GENERIC         | 2'x4' LAY-IN T8  | DEMO   |
| X1                        | ANY             | 1x FACE EXIT LIGHT   | INSURE THAT NEW EXIT SIGN DIRECTIONAL ARROWS MATCH EXISTING. |

| KEY NOTES |  |
|-----------|--|
| 1         | ALL EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.  |
| 2         | ALL CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CEILING DEVICES IN NEW CEILING, KEEPING LOCATION & ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED. 1ST FLOOR SHOWN AS A GUIDE.      |
| 3         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY, 1 FIXTURE EACH FLOOR AND AT EACH LANDING. INCLUDE ALL STAIRWELLS IN BUILDING. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL. |
| 4         | DISCONNECT AND REMOVE RANGE HOODS. NEW, SINGLE, RANGE HOOD TO BE INSTALLED AND RECONNECTED.  |
| 5         | REPLACE ALL LAUNDRY RECEPTACLES WITH NEW GFCI PROTECTED RECEPTACLES. VERIFY CORRECT CONDUCTOR AND BREAKER RATINGS. GFCI BREAKERS ARE ACCEPTABLE.   |

SOLBERG HEIGHTS



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

Sheet Title: 1ST & 2ND FLOOR LIGHTING REMODEL PLAN

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JMH

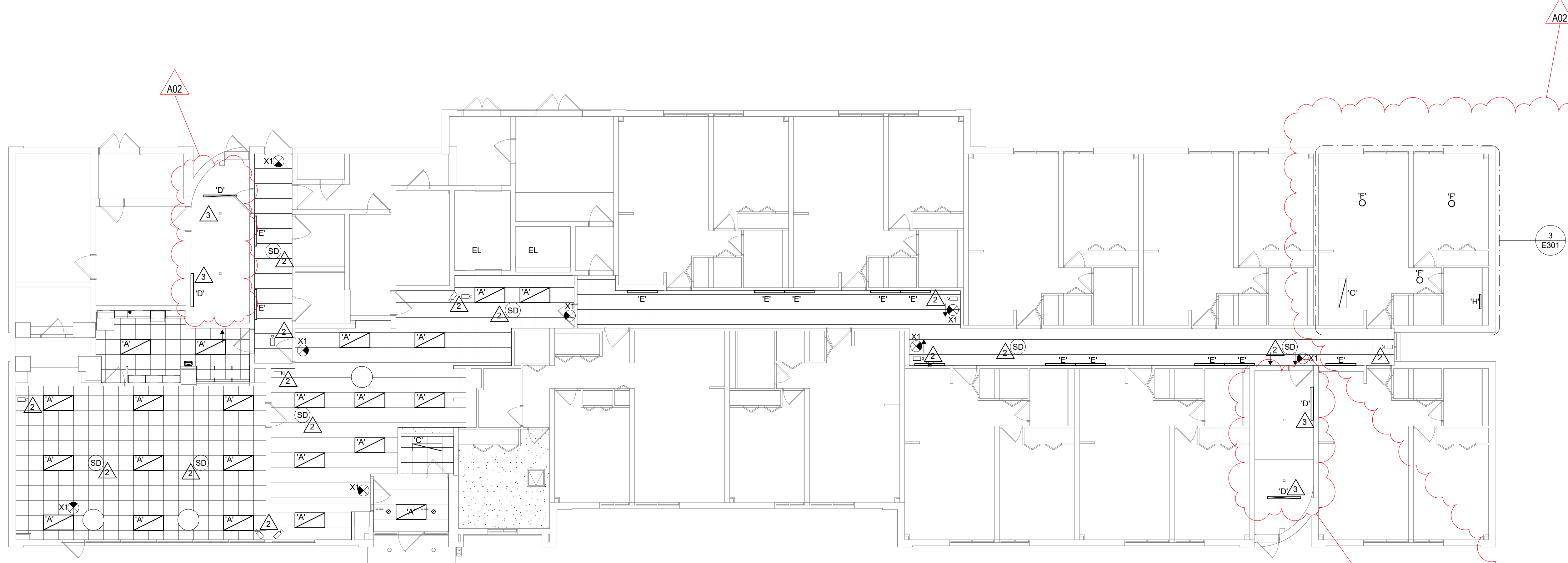
Key Plan:

| No. | Description | Date       |
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| A02 | ADDENDUM #2 | 01/16/2025 |

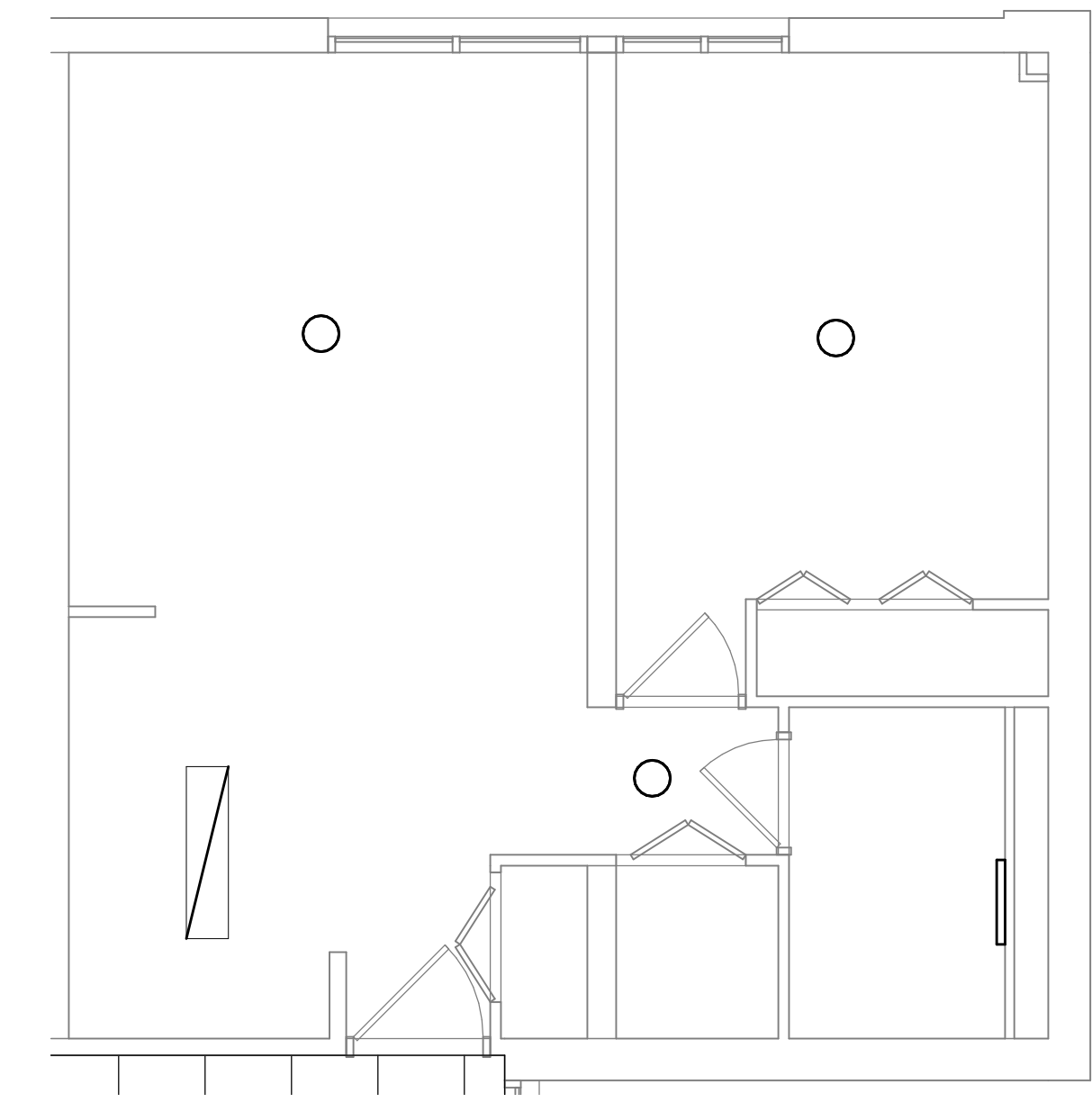
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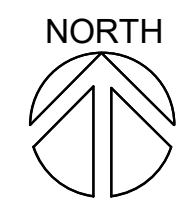
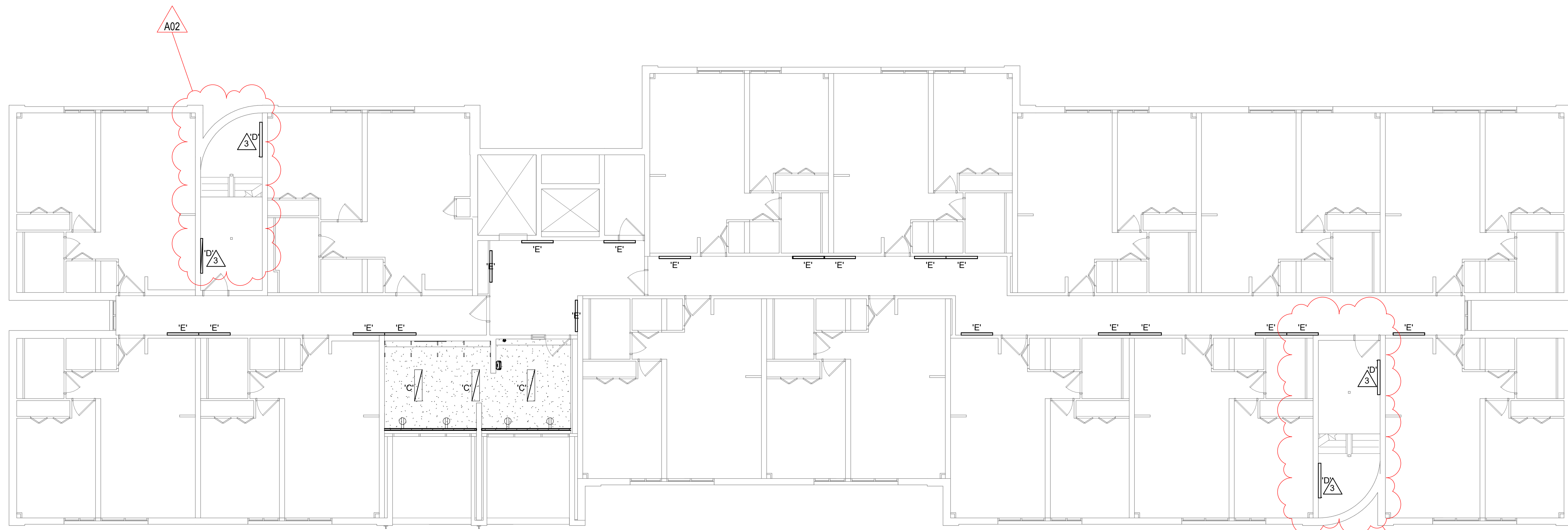
**E301**



**1** 1ST FLOOR LIGHTING REMODEL  
1/8" = 1'-0"



**3** TYPICAL 1 BEDROOM LIGHTING REMODEL  
1/4" = 1'-0"



**2** 2ND FLOOR LIGHTING REMODEL  
1/8" = 1'-0"

| Type Mark | Manufacturer    | Model  | Comments   |
|-----------|-----------------|--|--|
| 'A'       | Cooper Lighting | CGTS LED   | 2'x4' LED LAY-IN FLAT PANEL                                  |
| 'C'       | Cooper Lighting | MMS  | MAIL ROOM, 1 BEDROOM UNIT KITCHENS                           |
| 'D'       | Cooper Lighting | SRL LED W/ WLS SENSOR                                      | STAIRWELLS   |
| 'E'       | Cooper Lighting | 4' STSLP   | CORRIDORS  |
| 'F'       | ANY             | 12" -15" SEMI-FLUSH FIXTURE, 3 LAMPS, E26 BASE, 4000K 10W. | 1-BEDROOM UNITS.   |
| 'H'       | Cooper Lighting | SLSTP  | 2' VANITY STRIP LIGHT.                                       |
| --        | GENERIC         | 3' & OR 4' 1-LAMP STRIP LIGHT                              | DEMO   |
| ---       | GENERIC         | 6" CAN LIGHT   | DEMO, EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.      |
| ..        | GENERIC         | 1'x4' SURFACE T8   | DEMO   |
| EXTG      | GENERIC         | 2'x4' LAY-IN T8  | DEMO   |
| X1        | ANY             | 1x FACE EXIT LIGHT   | INSURE THAT NEW EXIT SIGN DIRECTIONAL ARROWS MATCH EXISTING. |

| KEY NOTES |  |
|-----------|--|
| 1         | ALL EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.  |
| 2         | ALL CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CDEILING DEVICES IN NEW CEILING, KEEPING LOCATION & ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED. 1ST FLOOR SHOWN AS A GUIDE.     |
| 3         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY, 1 FIXTURE EACH FLOOR AND AT EACH LANDING. INCLUDE ALL STAIRWELLS IN BUILDING. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL. |
| 4         | DISCONNECT AND REMOVE RANGE HOODS. NEW, SINGLE, RANGE HOOD TO BE INSTALLED AND RECONNECTED.  |
| 5         | REPLACE ALL LAUNDRY RECEPTACLES WITH NEW GFCI PROTECTED RECEPTACLES. VERIFY CORRECT CONDUCTOR AND BREAKER RATINGS. GFCI BREAKERS ARE ACCEPTABLE.   |

SOLBERG HEIGHTS





Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

3RD-5TH AND 6TH FLOOR LIGHTING DEMO PLAN

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JMH

Key Plan:

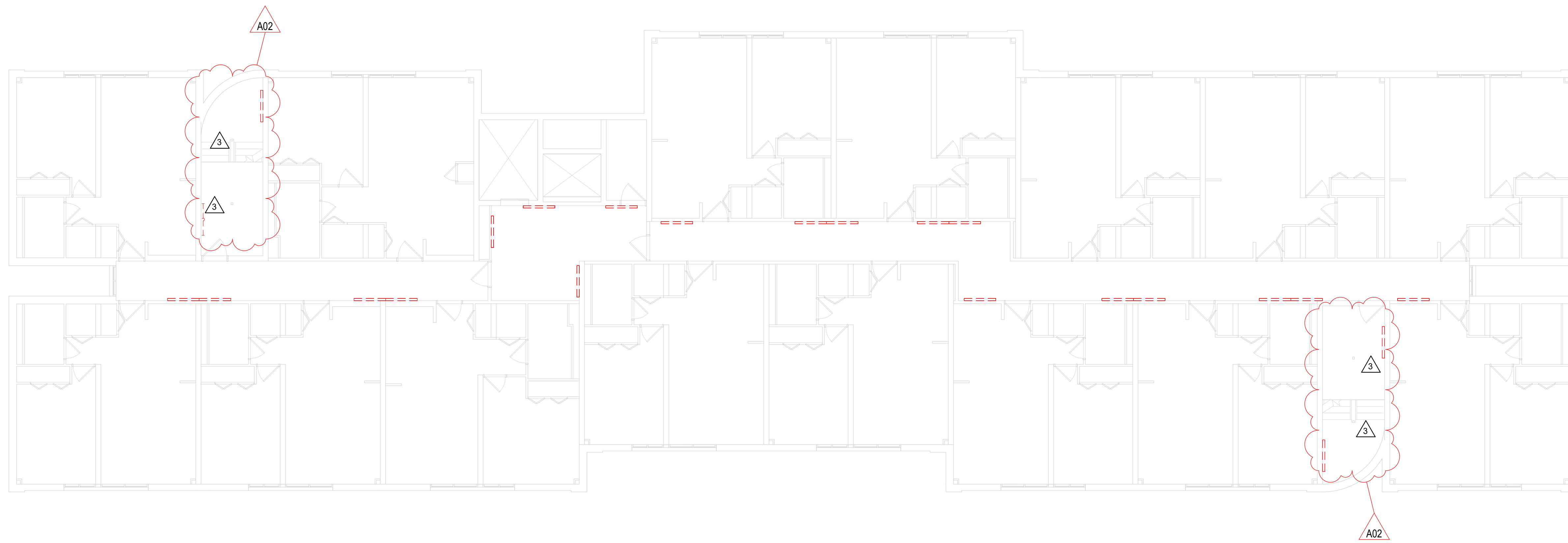
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| No. | Description | Date       |
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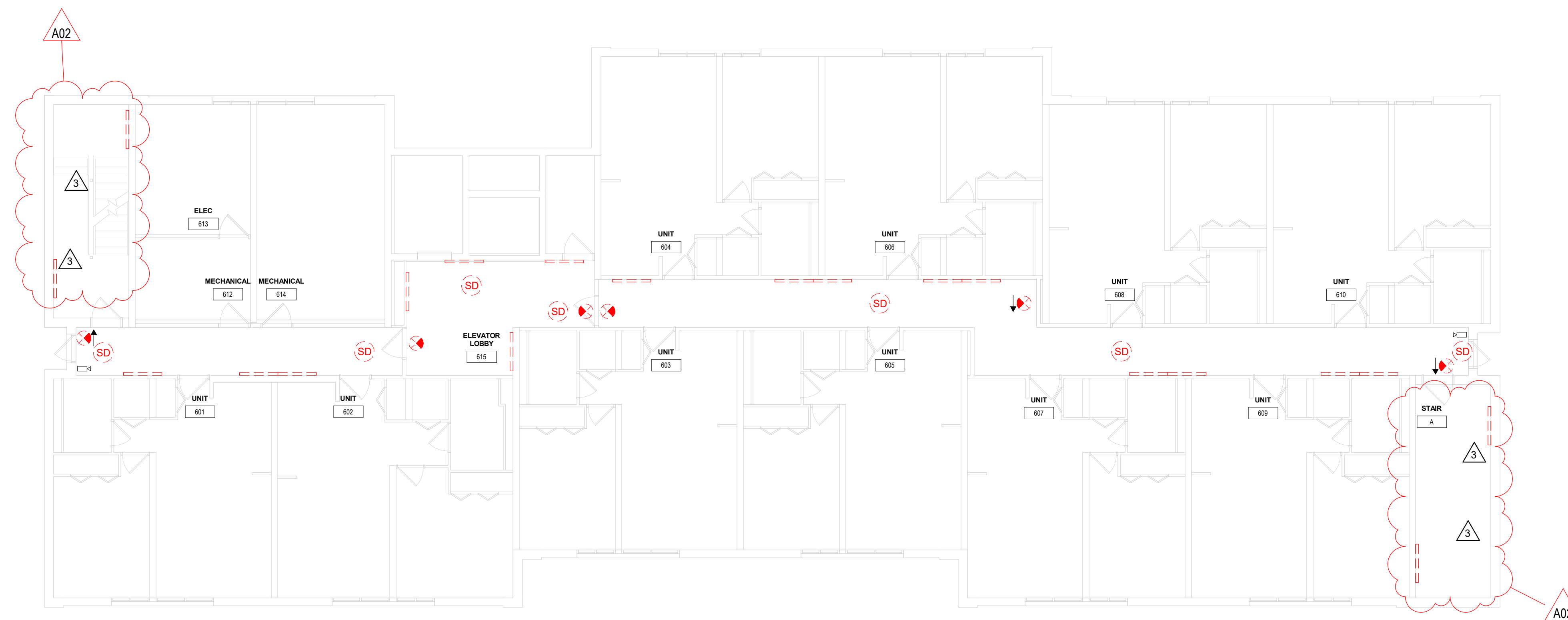
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Last Update:  
1/16/2025 1:02:58 PM

**E302**



**1** 3-5TH FLOOR LIGHTING DEMO  
1/8" = 1'-0"



**2** 6TH FLOOR LIGHTING DEMO  
1/8" = 1'-0"

| Lighting Fixture Schedule |                 |  |  |
|---------------------------|-----------------|--|--|
| Type Mark                 | Manufacturer    | Model  | Comments   |
| 'A'                       | Cooper Lighting | CGTS LED   | 2'x4' LED LAY-IN FLAT PANEL                                  |
| 'C'                       | Cooper Lighting | MMS  | MAIL ROOM, 1 BEDROOM UNIT KITCHENS                           |
| 'D'                       | Cooper Lighting | SRL LED W/ WLS SENSOR                                      | STAIRWELLS   |
| 'E'                       | Cooper Lighting | 4' STSLP   | CORRIDORS  |
| 'F'                       | ANY             | 12" -15" SEMI-FLUSH FIXTURE, 3 LAMPS, E26 BASE, 4000K 10W. | 1-BEDROOM UNITS.   |
| 'H'                       | Cooper Lighting | SLSTP  | 2' VANITY STRIP LIGHT.                                       |
| --                        | GENERIC         | 3' & OR 4' 1-LAMP STRIP LIGHT                              | DEMO   |
| ---                       | GENERIC         | 6" CAN LIGHT   | DEMO, EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.      |
| ..                        | GENERIC         | 1'x4' SURFACE T8   | DEMO   |
| EXTG                      | GENERIC         | 2'x4' LAY-IN T8  | DEMO   |
| X1                        | ANY             | 1x FACE EXIT LIGHT   | INSURE THAT NEW EXIT SIGN DIRECTIONAL ARROWS MATCH EXISTING. |

| KEY NOTES |  |
|-----------|--|
| 1         | ALL EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.  |
| 2         | ALL CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CODELING DEVICES IN NEW CEILING, KEEPING LOCATION & ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED. 1ST FLOOR SHOWN AS A GUIDE.     |
| 3         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY, 1 FIXTURE EACH FLOOR AND AT EACH LANDING. INCLUDE ALL STAIRWELLS IN BUILDING. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL. |
| 4         | DISCONNECT AND REMOVE RANGE HOODS. NEW, SINGLE, RANGE HOOD TO BE INSTALLED AND RECONNECTED.  |
| 5         | REPLACE ALL LAUNDRY RECEPTACLES WITH NEW GFCI PROTECTED RECEPTACLES. VERIFY CORRECT CONDUCTOR AND BREAKER RATINGS. GFCI BREAKERS ARE ACCEPTABLE.   |

SOLBERG HEIGHTS



Consultant:

Project Title: HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS  
Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602  
Sheet Title: 3RD-5TH AND 6TH FLOOR LIGHTING REMODEL PLAN

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JMH

Key Plan:

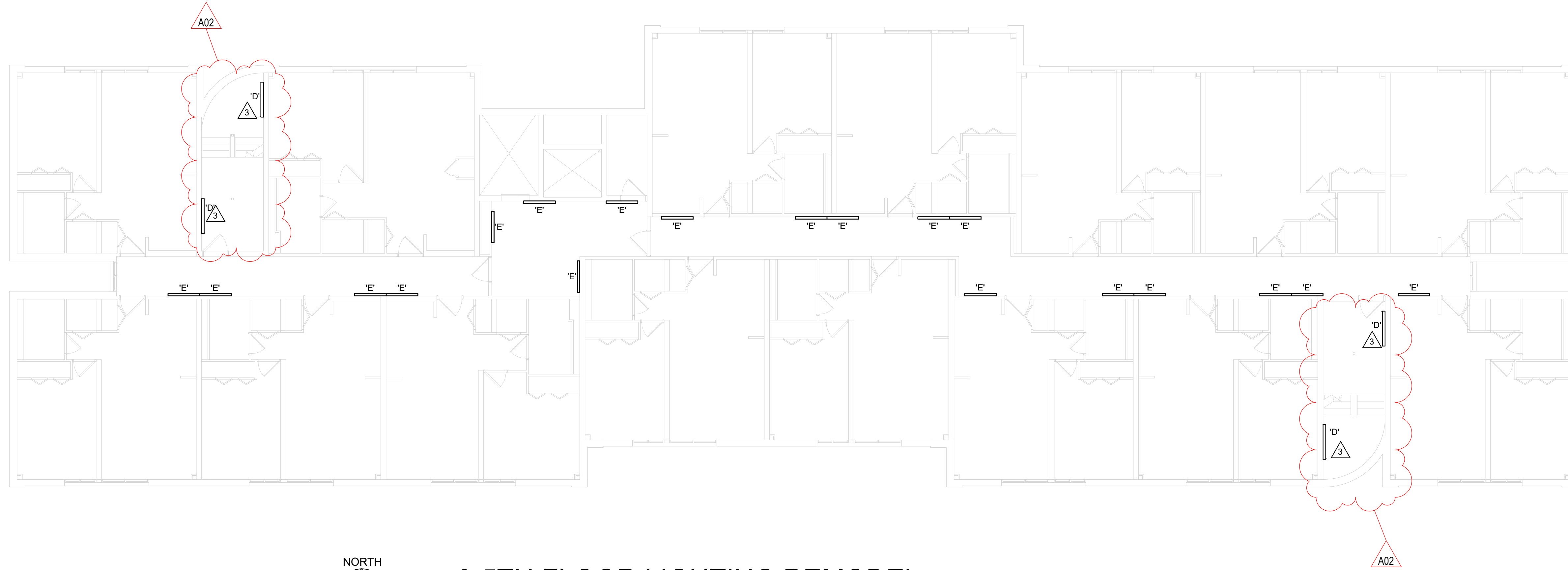
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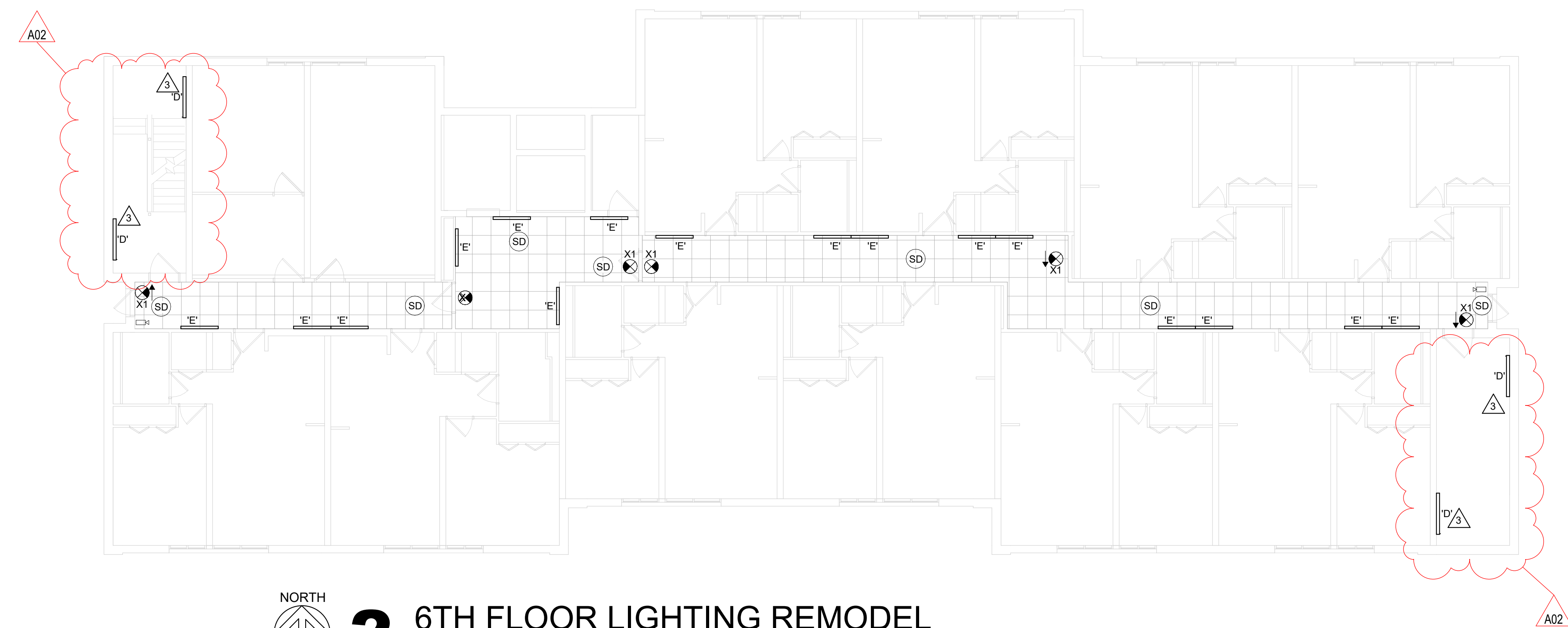
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Last Update: 1/16/2025 1:02:59 PM

**E303**



NORTH  
**1** 3-5TH FLOOR LIGHTING REMODEL  
1/8" = 1'-0"



NORTH  
**2** 6TH FLOOR LIGHTING REMODEL  
1/8" = 1'-0"

| Type Mark | Manufacturer    | Model  | Comments   |
|-----------|-----------------|--|--|
| 'A'       | Cooper Lighting | CGTS LED   | 2'x4' LED LAY-IN FLAT PANEL                                  |
| 'C'       | Cooper Lighting | MMS  | MAIL ROOM, 1 BEDROOM UNIT KITCHENS                           |
| 'D'       | Cooper Lighting | SRL LED W/ WLS SENSOR                                      | STAIRWELLS   |
| 'E'       | Cooper Lighting | 4' STSLP   | CORRIDORS  |
| 'F'       | ANY             | 12" -15" SEMI-FLUSH FIXTURE, 3 LAMPS, E26 BASE, 4000K 10W. | 1-BEDROOM UNITS.   |
| 'H'       | Cooper Lighting | SLSTP  | 2' VANITY STRIP LIGHT.                                       |
| --        | GENERIC         | 3' &/OR 4' 1-LAMP STRIP LIGHT                              | DEMO   |
| ---       | GENERIC         | 6" CAN LIGHT   | DEMO, EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.      |
| ..        | GENERIC         | 1'x4' SURFACE T8   | DEMO   |
| EXTG      | GENERIC         | 2'x4' LAY-IN T8  | DEMO   |
| X1        | ANY             | 1x FACE EXIT LIGHT   | INSURE THAT NEW EXIT SIGN DIRECTIONAL ARROWS MATCH EXISTING. |

| KEY NOTES |  |
|-----------|--|
| 1         | ALL EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.  |
| 2         | ALL CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CDEILING DEVICES IN NEW CEILING, KEEPING LOCATION & ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED. 1ST FLOOR SHOWN AS A GUIDE.     |
| 3         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY, 1 FIXTURE EACH FLOOR AND AT EACH LANDING. INCLUDE ALL STAIRWELLS IN BUILDING. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL. |
| 4         | DISCONNECT AND REMOVE RANGE HOODS. NEW, SINGLE, RANGE HOOD TO BE INSTALLED AND RECONNECTED.  |
| 5         | REPLACE ALL LAUNDRY RECEPTACLES WITH NEW GFCI PROTECTED RECEPTACLES. VERIFY CORRECT CONDUCTOR AND BREAKER RATINGS. GFCI BREAKERS ARE ACCEPTABLE.   |

SOLBERG HEIGHTS



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

1st FLOOR POWER DEMO & REMODEL

HSR Project Number: 24048  
Project Date: JANUARY 2025

Drawn By: JMH

Key Plan:

| No. | Description | Date       |
|-----|-------------|------------|
| A02 | ADDENDUM #2 | 01/16/2025 |

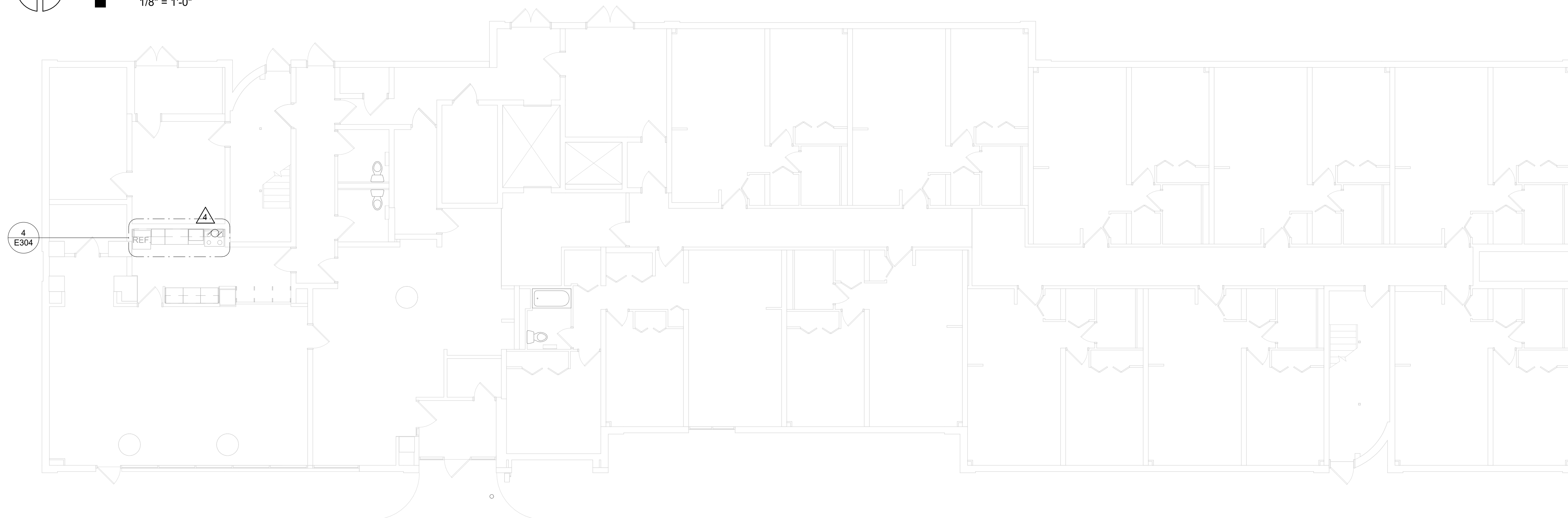
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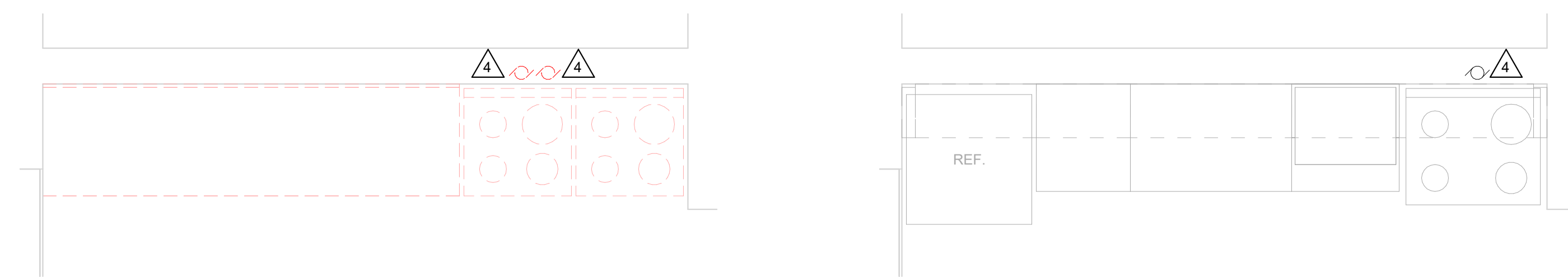
**E304**



**1 1ST FLOOR POWER DEMO**  
1/8" = 1'-0"



**2 1ST FLOOR POWER REMODEL**  
1/8" = 1'-0"



**3 1ST FLOOR - Callout 1**  
1/2" = 1'-0"

**4 1ST FLOOR - Callout 2**  
1/2" = 1'-0"

| Lighting Fixture Schedule |                 |  |  |
|---------------------------|-----------------|--|--|
| Type Mark                 | Manufacturer    | Model  | Comments   |
| 'A'                       | Cooper Lighting | CGTS LED   | 2'x4' LED LAY-IN FLAT PANEL                                  |
| 'C'                       | Cooper Lighting | MMS  | MAIL ROOM, 1 BEDROOM UNIT KITCHENS                           |
| 'D'                       | Cooper Lighting | SRL LED W/ WLS SENSOR                                      | STAIRWELLS   |
| 'E'                       | Cooper Lighting | 4' STSLP   | CORRIDORS  |
| 'F'                       | ANY             | 12" -15" SEMI-FLUSH FIXTURE, 3 LAMPS, E26 BASE, 4000K 10W. | 1-BEDROOM UNITS.   |
| 'H'                       | Cooper Lighting | SLSTP  | 2' VANITY STRIP LIGHT.                                       |
| --                        | GENERIC         | 3' &/OR 4' 1-LAMP STRIP LIGHT                              | DEMO   |
| ---                       | GENERIC         | 6" CAN LIGHT   | DEMO, EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.      |
| ..                        | GENERIC         | 1'x4' SURFACE T8   | DEMO   |
| EXTG                      | GENERIC         | 2'x4' LAY-IN T8  | DEMO   |
| X1                        | ANY             | 1x FACE EXIT LIGHT   | INSURE THAT NEW EXIT SIGN DIRECTIONAL ARROWS MATCH EXISTING. |

| KEY NOTES |  |
|-----------|--|
| 1         | ALL EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.  |
| 2         | ALL CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CDEILING DEVICES IN NEW CEILING, KEEPING LOCATION & ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED. 1ST FLOOR SHOWN AS A GUIDE.     |
| 3         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY, 1 FIXTURE EACH FLOOR AND AT EACH LANDING. INCLUDE ALL STAIRWELLS IN BUILDING. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL. |
| 4         | DISCONNECT AND REMOVE RANGE HOODS. NEW, SINGLE, RANGE HOOD TO BE INSTALLED AND RECONNECTED.  |
| 5         | REPLACE ALL LAUNDRY RECEPTACLES WITH NEW GFCI PROTECTED RECEPTACLES. VERIFY CORRECT CONDUCTOR AND BREAKER RATINGS. GFCI BREAKERS ARE ACCEPTABLE.   |

SOLBERG HEIGHTS

A02



Consultant:

Project Title: HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

Sheet Title: 2ND FLOOR POWER DEMO & REMODEL

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JMH

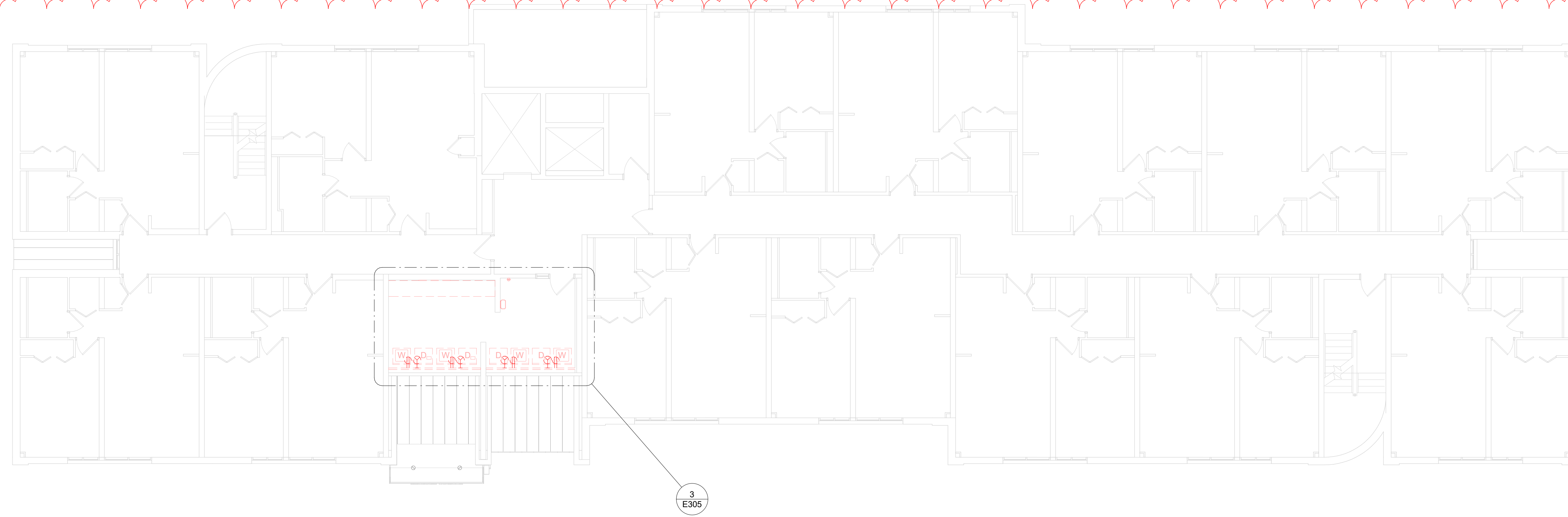
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| No.        | Description | Date       |
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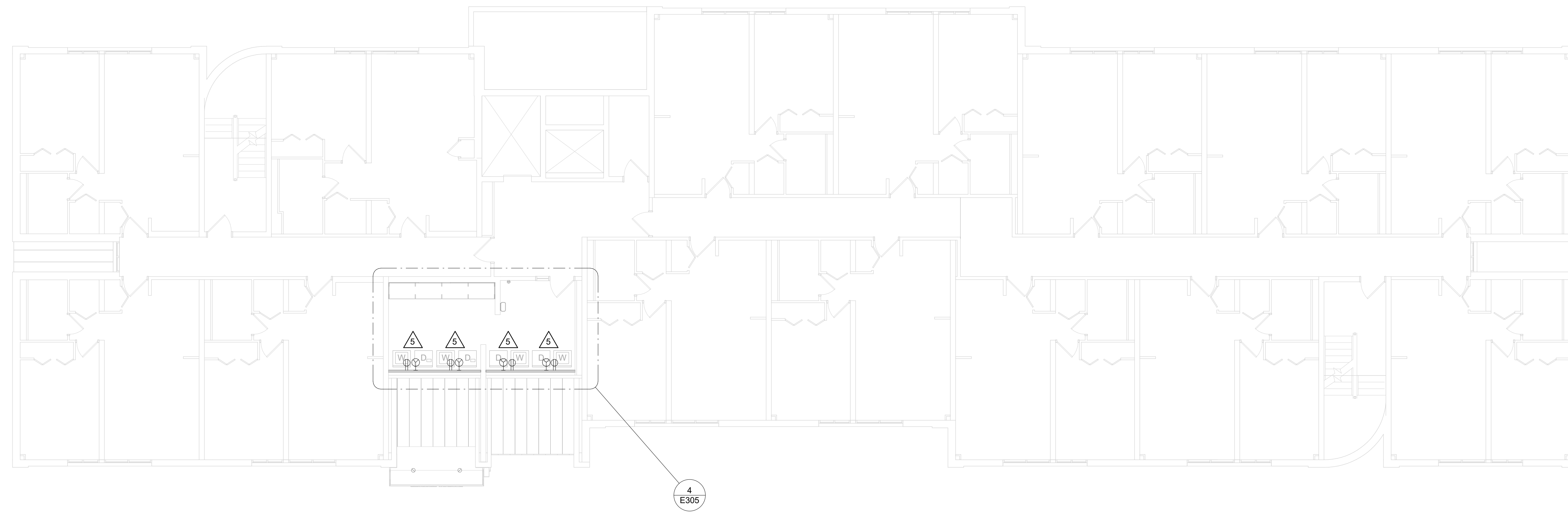
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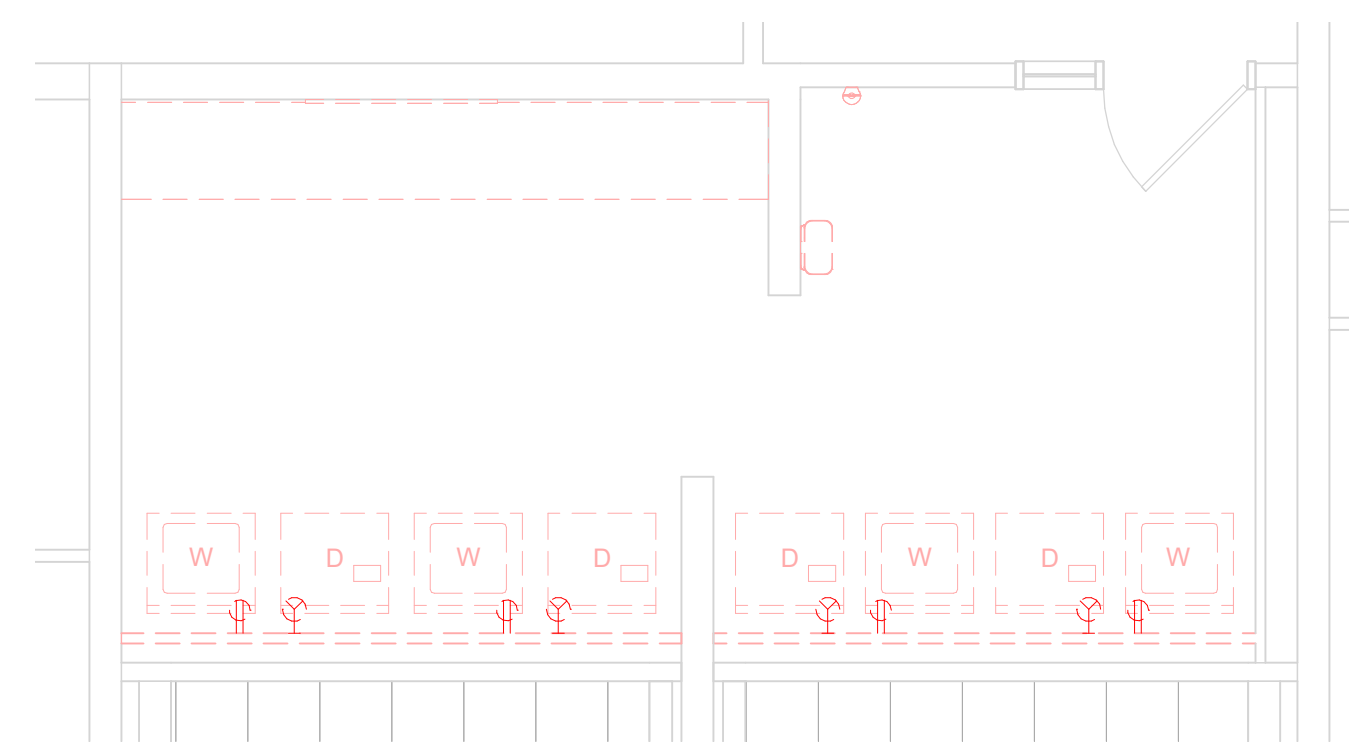
**E305**



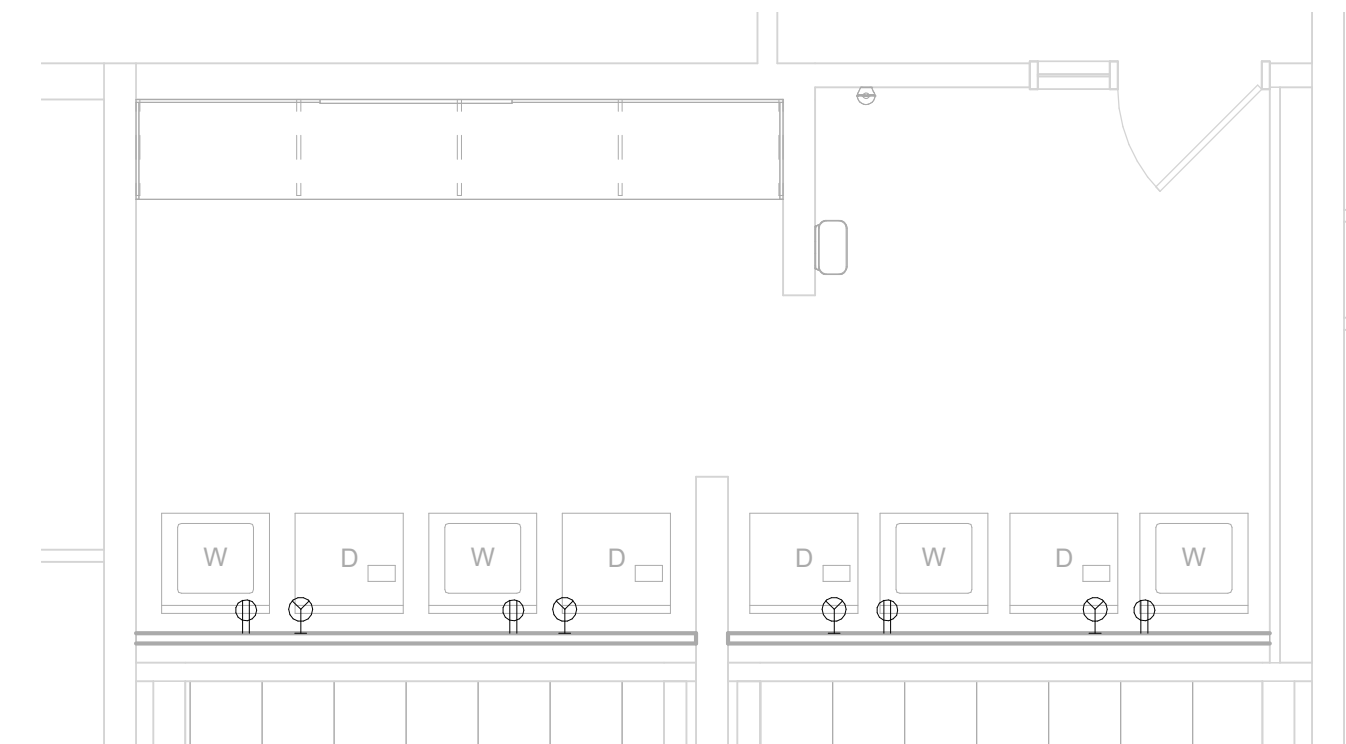
**1 2ND FLOOR POWER DEMO**  
1/8" = 1'-0"



**2 2ND FLOOR POWER REMODEL**  
1/8" = 1'-0"



**3 2ND FLOOR POWER DEMO - ENLARGED**  
1/4" = 1'-0"



**4 2ND FLOOR POWER REMODEL - ENLARGED**  
1/4" = 1'-0"

| Lighting Fixture Schedule |                 |  |  |
|---------------------------|-----------------|--|--|
| Type Mark                 | Manufacturer    | Model  | Comments   |
| 'A'                       | Cooper Lighting | CGTS LED   | 2'x4' LED LAY-IN FLAT PANEL                                  |
| 'C'                       | Cooper Lighting | MMS  | MAIL ROOM, 1 BEDROOM UNIT KITCHENS                           |
| 'D'                       | Cooper Lighting | SRL LED W/ WLS SENSOR                                      | STAIRWELLS   |
| 'E'                       | Cooper Lighting | 4' STSLP   | CORRIDORS  |
| 'F'                       | ANY             | 12" -15" SEMI-FLUSH FIXTURE, 3 LAMPS, E26 BASE, 4000K 10W. | 1-BEDROOM UNITS.   |
| 'H'                       | Cooper Lighting | SLSTP  | 2' VANITY STRIP LIGHT.                                       |
| --                        | GENERIC         | 3' &/OR 4' 1-LAMP STRIP LIGHT                              | DEMO   |
| ---                       | GENERIC         | 6" CAN LIGHT   | DEMO, EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.      |
| ..                        | GENERIC         | 1'x4' SURFACE T8   | DEMO   |
| EXTG                      | GENERIC         | 2'x4' LAY-IN T8  | DEMO   |
| X1                        | ANY             | 1x FACE EXIT LIGHT   | INSURE THAT NEW EXIT SIGN DIRECTIONAL ARROWS MATCH EXISTING. |

| KEY NOTES |  |
|-----------|--|
| 1         | ALL EXISTING CAN LIGHTS TO BE SALVAGED BACK TO OWNER.  |
| 2         | ALL CEILING MOUNTED CAMERA AND FIRE ALARM SYSTEMS OPERATION TO BE MAINTAINED DURING CONSTRUCTION. REINSTALL CEILING DEVICES IN NEW CEILING, KEEPING LOCATION & ORIENTATION AS NEAR AS POSSIBLE TO ORIGINALLY INSTALLED. 1ST FLOOR SHOWN AS A GUIDE.      |
| 3         | STAIRWELL FIXTURE COUNTS MUST BE FIELD VERIFIED. TYPICALLY, 1 FIXTURE EACH FLOOR AND AT EACH LANDING. INCLUDE ALL STAIRWELLS IN BUILDING. NEW LIGHT FIXTURES TO BE EQUIPPED WITH INTEGRATED ALWAYS-ON 50% TO FULL-BRIGHTNESS 100% MOTION SENSOR CONTROL. |
| 4         | DISCONNECT AND REMOVE RANGE HOODS. NEW, SINGLE, RANGE HOOD TO BE INSTALLED AND RECONNECTED.  |
| 5         | REPLACE ALL LAUNDRY RECEPTACLES WITH NEW GFCI PROTECTED RECEPTACLES. VERIFY CORRECT CONDUCTOR AND BREAKER RATINGS. GFCI BREAKERS ARE ACCEPTABLE.   |

A02

SOLBERG HEIGHTS



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

1ST FLOOR LIGHTING REMOVAL & REMODEL

HSR Project Number:  
**24048**

Project Date:  
**JANUARY 2025**

Drawn By:  
**JMH**

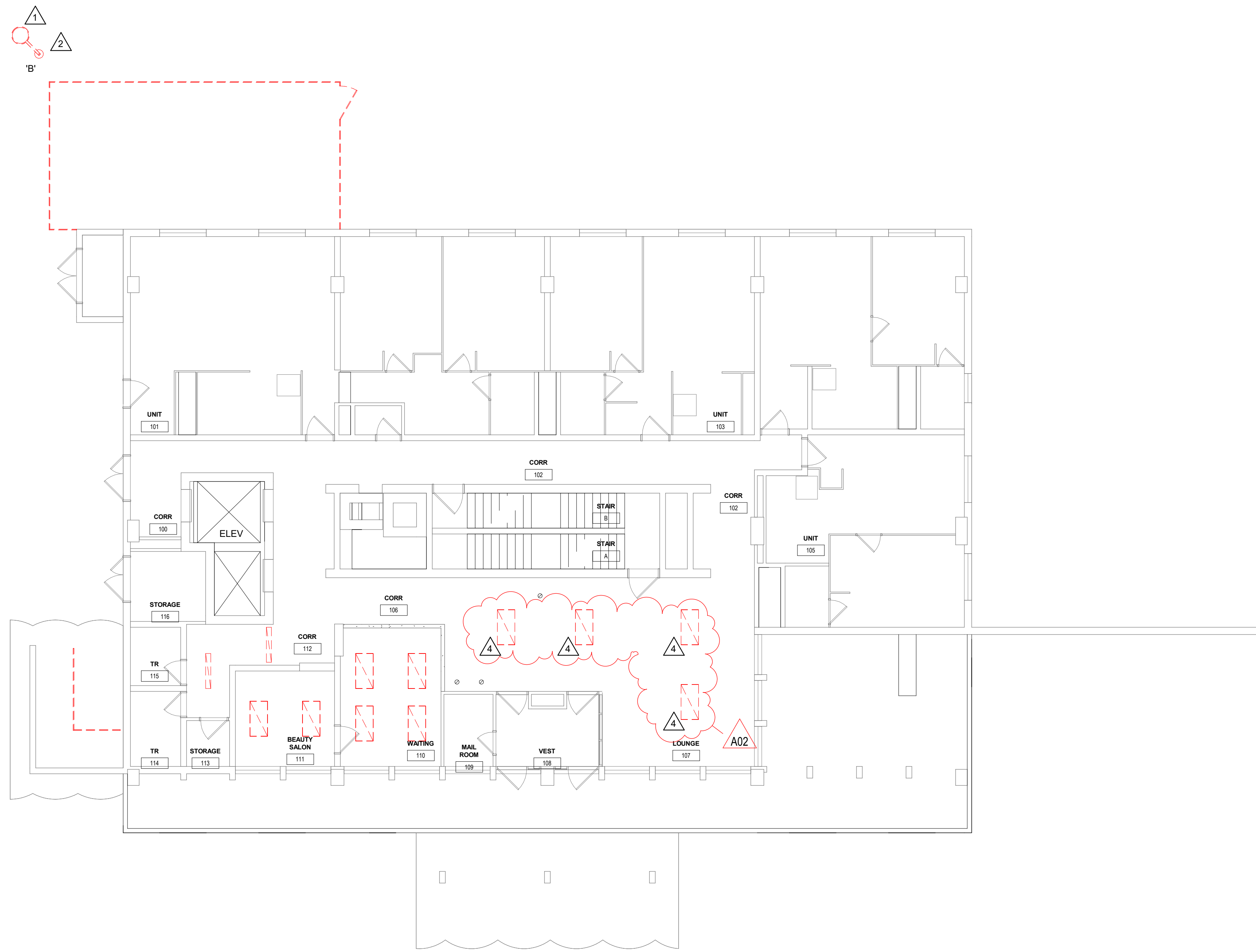
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| No. | Description | Date       |
|-----|-------------|------------|
| A02 | ADDENDUM #2 | 01/16/2025 |

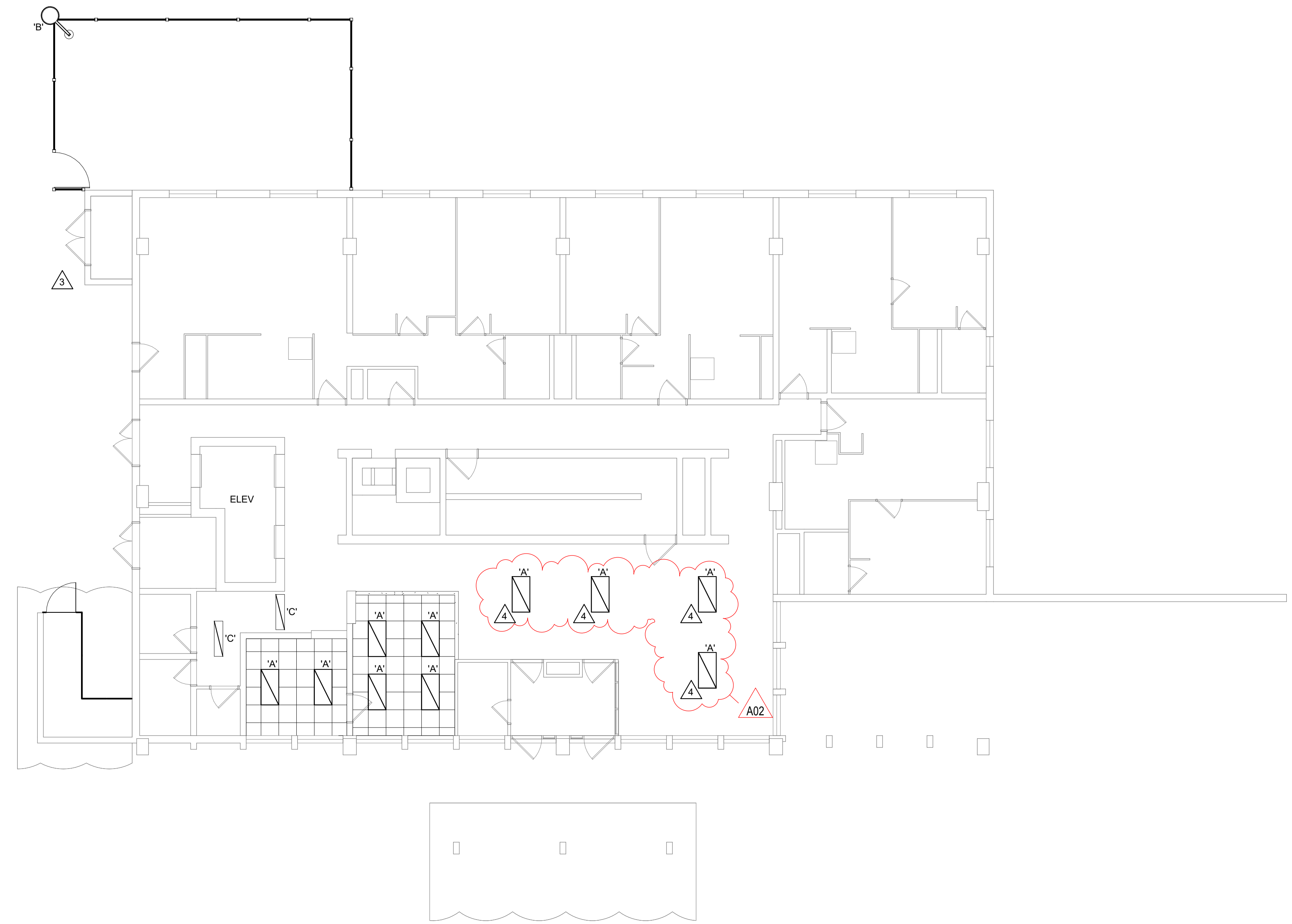
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Last Update:  
**1/16/2025 9:13:21 AM**

**E400**



**1** 1ST FLOOR LIGHTING PLAN DEMO  
1/8" = 1'-0"

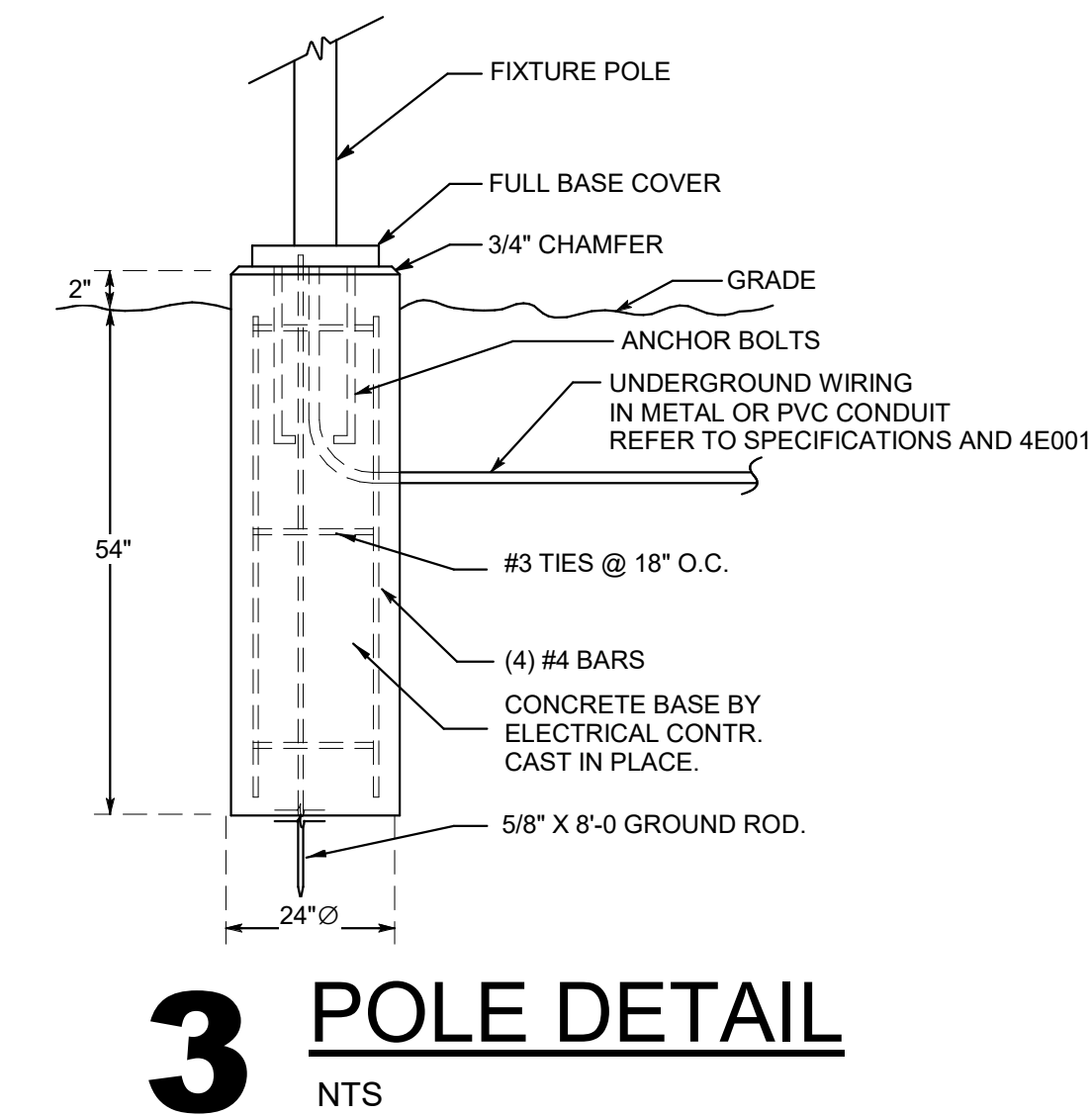


**2** 1ST FLOOR LIGHTING PLAN REMODEL  
1/8" = 1'-0"

| KEY NOTES |   |
|-----------|---|
| Number    | Description   |
| 1         | Disconnect, remove, and relocate existing corner lot light to new location shown.   |
| 2         | Remove and discard existing light pole concrete base. Intercept conduits and extend to new light pole base location. Pull new conductors between existing and new light pole bases. |
| 3         | Electrician to provide and install a new 24" diameter concrete base with 2" exposed above grade. SEE DETAIL #3.   |
| 4         | Replace lay-in fixture in hard ceiling.   |

| Lighting Fixture Schedule |                 |                        |           |
|---------------------------|-----------------|------------------------|-----------|
| Type Mark                 | Manufacturer    | Model                  | Comments  |
| 'C'                       | Cooper Lighting | MMS                    | 1'x4' MMS |
| 'A'                       | Cooper Lighting | CGTS LED               | 2'x4'     |
| 'B'                       | EXISTING        | PARKING LOT LIGHT POLE | RELOCATE  |

|  |  |
|--|--|
|  | LIGHT FIXTURE                                |
|  | FIXTURE DESIGNATION (SEE SCHEDULE)           |
|  | NEW INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR |
|  | EXIT LIGHT. SHADING INDICATES FACE OF EXIT.  |
|  | SECURITY CAMERA.                             |



**3** POLE DETAIL  
NTS

STOFFEL COURT



Consultant:

HOUSING AUTHORITY OF THE CITY OF LA CROSSE  
2024 CAPITAL IMPROVEMENT PROJECTS

Project Location: 1307 BADGER STREET  
LA CROSSE, WI 54602

LIGHTING DEMO AND REMODEL PLANS

Project Title:

HSR Project Number: 24048

Project Date: JANUARY 2025

Drawn By: JMH

Key Plan:

| No. | Description | Date       |
|-----|-------------|------------|
| A02 | ADDENDUM #2 | 01/16/2025 |

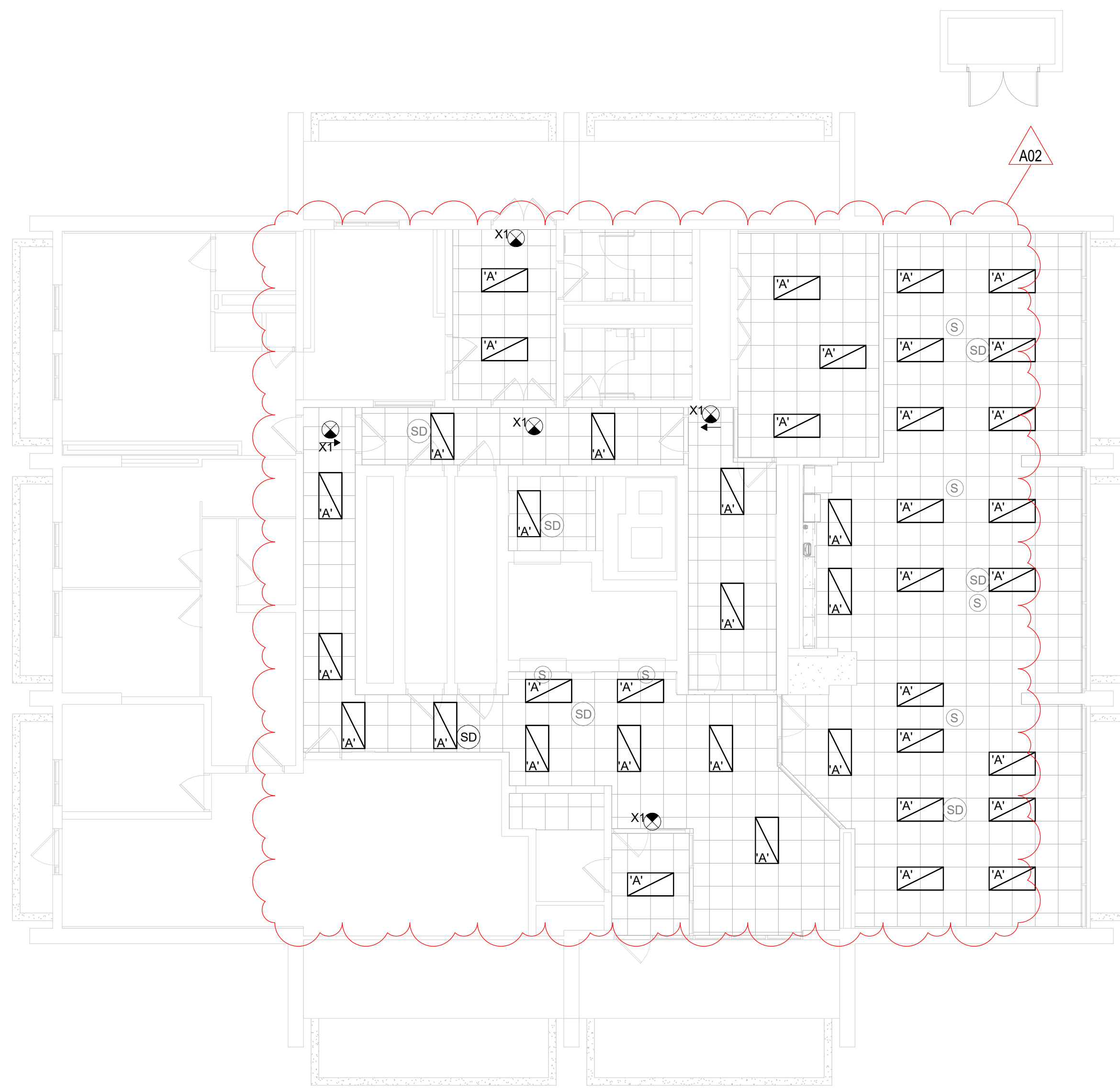
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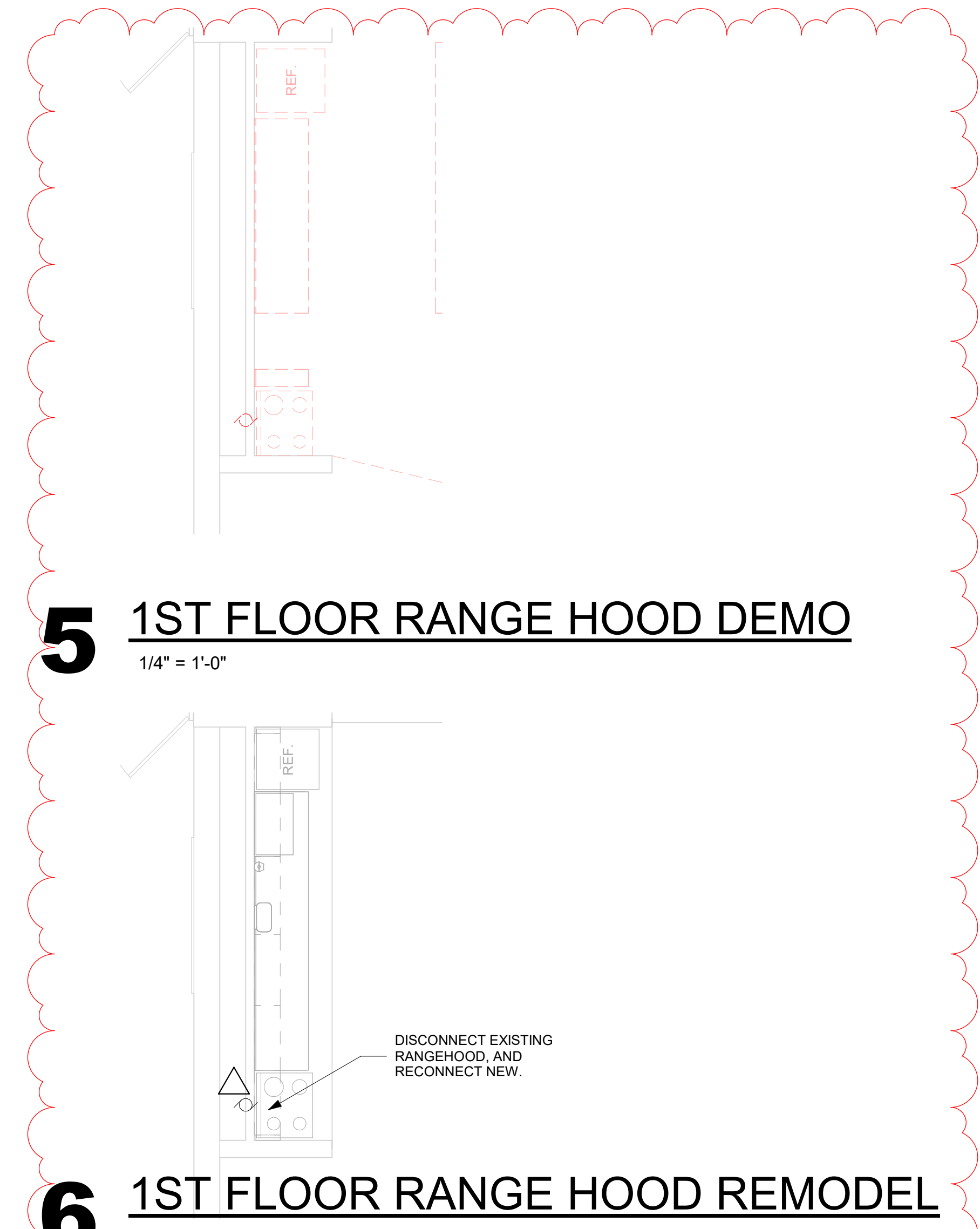
**E500**



**1** 1ST FLOOR LIGHTING DEMO  
1/8" = 1'-0"

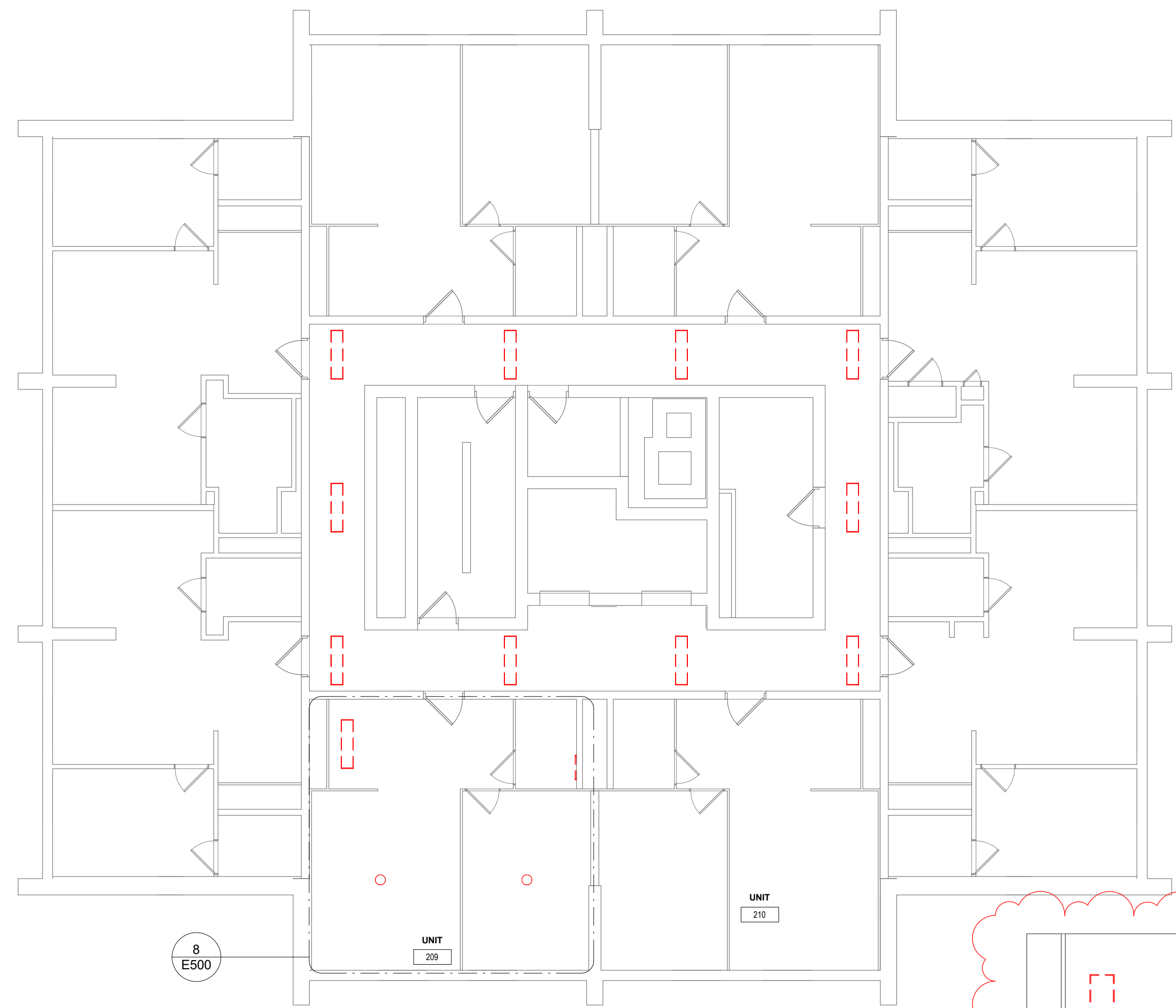


**2** 1ST FLOOR LIGHTING REMODEL  
1/8" = 1'-0"

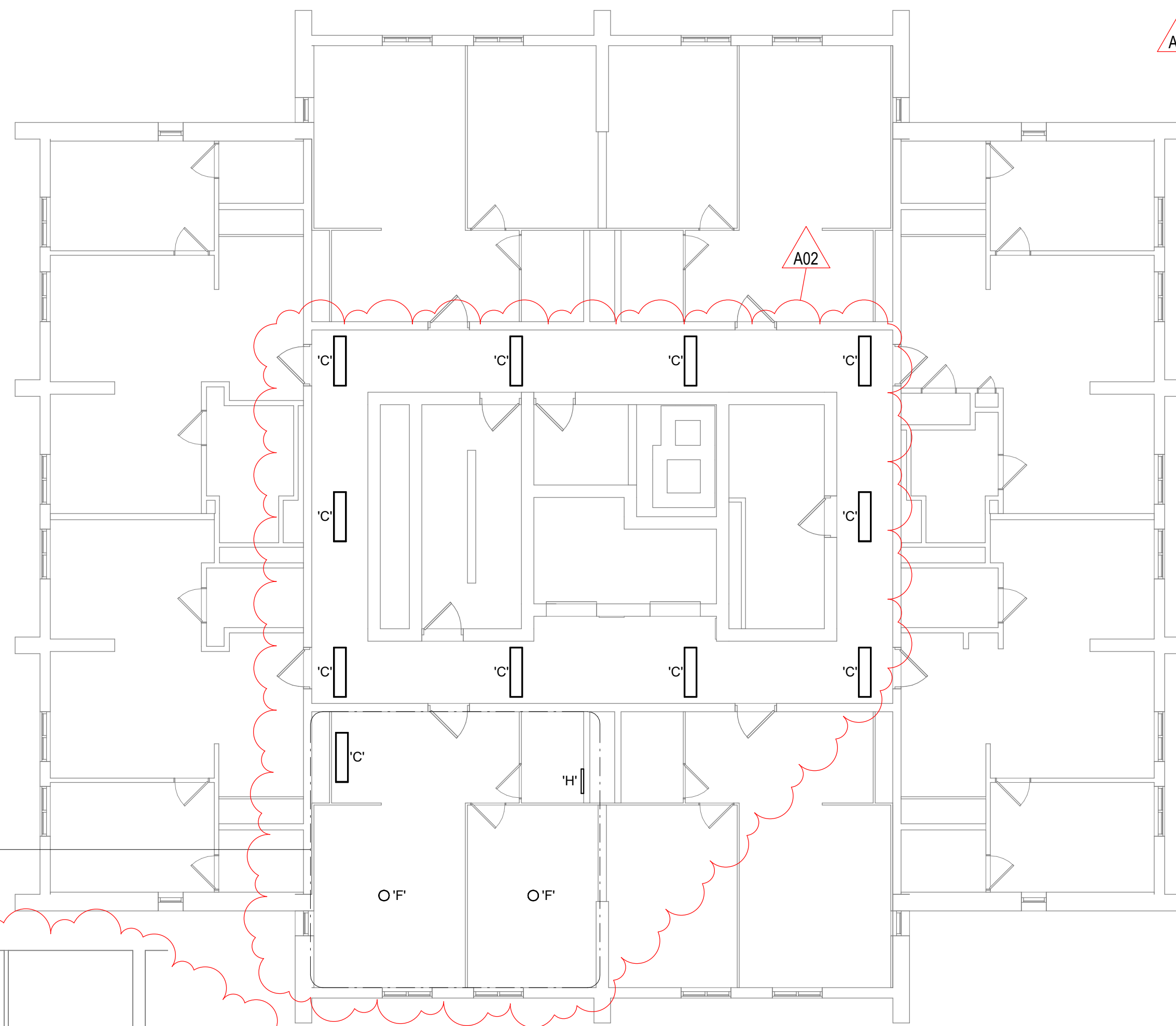


**5** 1ST FLOOR RANGE HOOD DEMO  
1/4" = 1'-0"

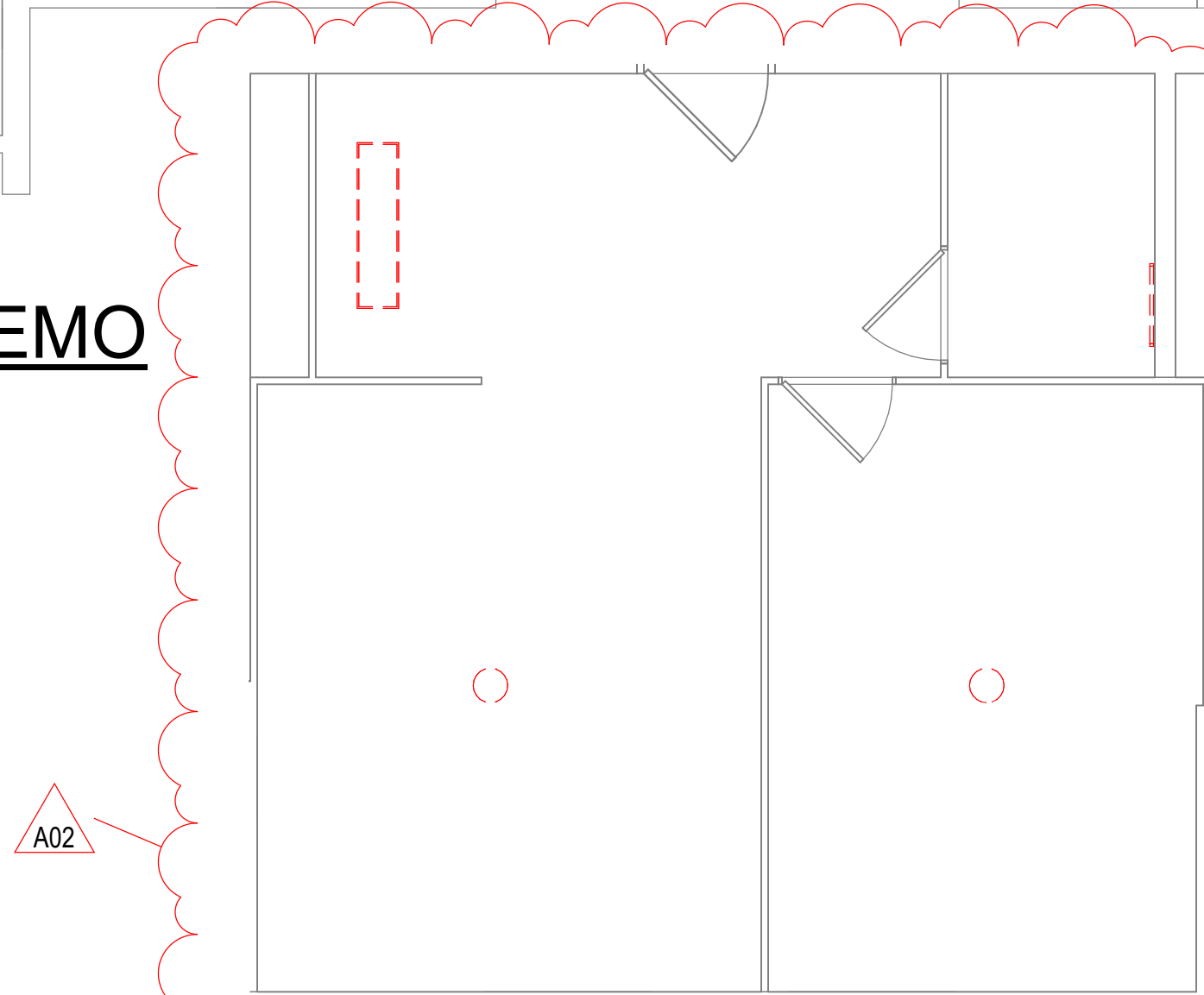
**6** 1ST FLOOR RANGE HOOD REMODEL  
1/4" = 1'-0"



**3** 2-10TH FLOOR LIGHTING DEMO  
1/8" = 1'-0"



**4** 2-10TH FLOOR LIGHTING REMODEL  
1/8" = 1'-0"



**8** TYPICAL 1 BEDROOM DEMO  
1/4" = 1'-0"

**9** TYPICAL 1 BEDROOM REMODEL  
1/4" = 1'-0"

Lighting Fixture Schedule

| Type Mark | Manufacturer    | Model                       | Comments                   |
|-----------|-----------------|-----------------------------|----------------------------|
| 'A'       | Cooper Lighting | CGTS LED                    | 2'x4' LAYIN FLAT PANEL LED |
| 'C'       | GENERIC         | LENSED STRIP LIGHT, SURFACE | DEMO                       |
| 'F'       | ANY             | 12-16" SEMI-FLUSH FIXTURE   | MUST USE E26 LAMPS.        |
| 'H'       | Cooper Lighting | SLSTP                       | 2' STRIP LIGHT             |
| '.        | GENERIC         | LENSED STRIP LIGHT, SURFACE | DEMO                       |
| '..       | GENERIC         | 2' VANITY LIGHT             | DEMO                       |
| '..       | GENERIC         | 2'x4' T8 LAYIN              | DEMO                       |
| 'X1'      | ANY             | 1X SINGLE-FACE EXIT SIGN    | REPLACE 1-FOR-1            |

KEYNOTES - STOKKE

| Number | Description   |
|--------|---|
| 4      | DISCONNECT AND REMOVE RANGE HOODS. NEW, SINGLE, RANGE HOOD TO BE INSTALLED AND RECONNECTED. |

LEGEND:

- [Symbol] LIGHT FIXTURE
- [Symbol] FIXTURE DESIGNATION (SEE SCHEDULE)
- [Symbol] NEW INTELLIGENT PHOTOELECTRIC SMOKE DETECTOR
- [Symbol] EXIT LIGHT. SHADING INDICATES FACE OF EXIT.
- [Symbol] SECURITY CAMERA.

STOKKE TOWER