

Date: **August 27, 2025**

**GS# 104-215 Jones Hall Interior Renovations  
Mississippi University for Women**

Addendum No. 2

**This addendum forms part of the Contract Documents for the above referenced project. All other requirements of the original Contract Documents shall remain in effect except as specifically modified in this addendum. Bidder is to acknowledge receipt of this addendum with their bid. Failure to do so may subject the Bidder to disqualification.**

1. **Clarification/Coordination of project with South Campus Mechanical Plant Improvement Project:**

There will be coordination required between this project renovation for Jones Hall and the South Campus Mechanical Plant Improvements project that is underway being performed by Brislin, Inc. The existing chiller in the Jones Hall chiller room provides chilled water to Jones Hall, Kincannon Hall (occupied), and Goen Hall (occupied). This chiller will need to remain in service during construction until Brislin gets the new chiller plant ready to operate and change over. For the Jones Hall contract that will require the power to the chiller, cooling tower, chilled water pumps, and accessories to remain connected during construction until the changeover occurs. All this equipment is either outside or in the west chiller room on the ground level. There is a separate electrical feed/bus that comes from the electrical vault feeding the panels in this room. After Brislin gets the new chiller running and underground piping connected to all three buildings, Brislin will remove the existing chiller, cooling tower and chilled water pumps. After this existing equipment is removed the electrical service that had to remain active can be removed.

In discussion with Brislin, they are planning to install the underground piping from the chiller plant that runs in the road to the south of Jones and Frazer Halls during the Christmas break (December 2025—Early January 2026). This piping will require coordination with the Jones contract due to passing through the construction limits where parking and layout are noted. The remaining underground piping to the four dorms will be performed during the spring semester but should not require closing of any drives/parking but may require some coordination when piping is being installed to the west of Jones Hall. Brislin's schedule for chiller start up is late summer 2026 (approximately mid-July to mid-August) with hopes of having the dorms connected to the new chiller plant before the fall semester starts in 2026.

During the time of construction after the existing air handing units are taken offline and remove, building conditioned air is to be provide as required by the project specifications section 01 5000.1.02.H.

2. Specifications:

- a. **REPLACE** Section 00 4200 PROPOSAL FORM with the attached revised Section 00 4200 PROPOSAL FORM (noted at the top of the page as MODIFIED BY ADDENDUM NO. 2). The project time is revised to 425 days.
- b. Section 00 5200 Standard Form of Agreement Between the Owner and the Contractor:
  - i. **REVISE** calendar days listed in 3.1.1 to 425 calendar days.
- c. **ADD** attached Section, 02 28 10 - Termite Control, to the Project Specifications
- d. Section 06 40 00:
  - i. **DELETE paragraph 1.3 Quality Assurance, B.** AWI Quality Certificates are not required for this project. The work shall meet or exceed all AWI Standards for quality as indicated.
  - ii. **ADD paragraph D under 2.3 Fabrication: Plastic-Laminate Countertops**
    1. At countertop edge, provide 90/90 roll nose, postform edge
    2. Backsplash shape to be squared profile, provide separate piece from countertop
- e. Section 06 61 16 Solid Surfacing Fabrications: Part 2 Products:
  - i. Wilcher Industries Solid Surface Shower Products shall be considered an Equal to the Basis of Design product.
- f. **Add** attached Section, 022000 – Earthwork (Outside), to the Project Specifications
- g. **Add** attached Section, 025130 – Asphalt Paving, to the Project Specifications.
- h. **Add** attached Sections, 029300 – Lawns and Grassing, to the Project Specifications.

*Approval of a Manufacturer or product as an “equal” does not in any way alter the Contract Documents. Any approved manufacturer must accommodate construction details, required finishes, owner’s specific requirements, adjacent materials, etc. Any additional materials or components required by the “approved equal” for proper installation for the given conditions are the responsibility of the Contractor. Approval of a Manufacturer also shall not cause an up-charge for the desired finish or limit the choices of finishes, colors, materials, etc. Field measurement of existing conditions for the installation of items is the responsibility of the Contractor.*

3. Drawings:

- a. 2/A101: rebar spacing shall be 12” O.C. maximum
- b. 8/A401: Wall tile shown in Kitchen Int Elevation shall be WT-1
- c. Revise Sheet F101 and replace with attached Sheet F101. Revisions included adding a flow switch and isolation valve to sprinkler line serving the elevator shaft.
- d. Revise Sheet F105 and replace with attached Sheet F105. Revisions included adding a flow switch and isolation valve to sprinkler line serving the elevator shaft.
- e. Revise Sheet P201 and replace with attached Sheet P201. Revisions included updating flowrates for hot water balancing valves.
- f. Revise Sheet P301 and replace with attached Sheet P301. Revisions included clarification for water heater acid neutralization devices, updating the plumbing fixture schedule to reflect the correct fixture type, and updating section detail.
- g. Revise Sheet M101 through M105. Provide a general note to state the following, “Provide painted 1”x2”x1/8” aluminum angle under dorm room fan coil units. Angle to be full length of

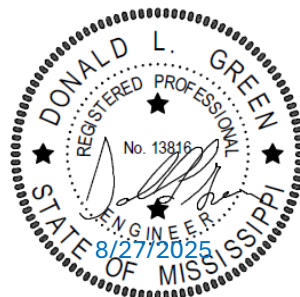
fan coil and attached at the bottom of the unit against the wall (see detail on sheet P301). Angle provided is intended to cover openings in existing block wall where supply grilles were removed.”

- h. Revise Sheet M105 and replace with attached Sheet M105. Revisions included updating the location of the ductwork to match the new locations of the roof mounted exhaust fans, and adding a general note.
- i. Revise Sheet M106 and replace with attached Sheet M106. Revisions included updating the location of the roof mounted exhaust fans to accommodate distance requirements from roof edge. Exhaust fan for the elevator shaft (EF-13) also changed from a roof mounted fan to an inline fan with a discharge cap.
- j. Revise Sheet M201 and replace with attached Sheet M201. Revisions included adding notes for the contractor to coordinate fan coil cabinet finish with architect prior to ordering.
- k. Revise Sheet M202 and replace with attached Sheet M202. Revisions included revising EF-13 schedule.
- l. Revise Sheet M205 and replace with attached Sheet M205. Revisions included modifying the control sequence for OAHU-1 to match the specifications.
- m. Revise Sheet MP101 and replace with attached Sheet MP101. Revisions included replacing emergency boiler shut off with new button and control wiring.
- n. Revise Sheet MP106 and replace with attached Sheet MP106. Revisions included relocating the thermostat for the unit heater and relocating the energy management panel for penthouse.
- o. Revise Sheet E001 and replace with attached Sheet E001. Revisions include adding floor box specifications and notes.
- p. Revise Sheet E002 and replace with attached Sheet E002. Revisions include fixing the background for the enlarged bedroom and bathroom view.
- q. Revise Sheet E004 and replace with attached Sheet E004. Revisions made include creating a callout for part of the demolition riser diagram to provide more clarity on symbol notation.
- r. Revise Sheet E006 and replace with attached Sheet E006. Revisions made include updating panelboard schedules to include notes for GFCI and shunt trip breakers. Both existing boiler power now shown on schedule.
- s. Revise Sheet E009 and replace with attached Sheet E009. Revisions include providing the partial riser diagram callout to correspond with the notation on the site plan. Edited site plan notes to coordinate high voltage service with Columbus Power and Light.
- t. Revise Sheet E101 and replace with attached Sheet E101. Revisions include adding a note to show existing boiler location.
- u. Revise Sheet E301 and replace with attached Sheet E301. Revisions include adding WAP devices to each ADA room. GFI breakers show on plan for vending machines and washer/dryers in Vestibule 111 and Laundry 116. Data device added to RA Office 110. Convenience receptacles added to the front exterior of the building.
- v. Revise Sheet E306 and replace with attached Sheet E306. Revisions include adjusting the locations of the exhaust fan power to coordinate with mechanical changes. Fire alarm devices and duct detectors added to the penthouse building. Relocated HVAC control panel for OAHU-1 per mechanical changes.
- w. Revise Sheet E401 and replace with attached Sheet E401. Revisions include adding flow and tamper switches to the bottom of elevator shaft.

- x. Revise Sheet E405 and replace with attached Sheet E405. Revisions include adding flow and tamper switches to top of elevator shaft. Moved duct detectors from Sheet E405 to Sheet E306.
- y. Revise Sheet E501 and replace with attached Sheet E501. Revisions include adding power provisions for the existing boilers as well as boiler controls. Relocated EPO switch to top wall of the mechanical room.

**Contents:** This addendum consists of **17** (8 ½" x 11") sheets and **22** (24" x 36") drawings - (including this page).

**End of Addendum No. 2 for: Jones Hall Interior Renovations**



**PROPOSAL FORM**  
**SECTION 00 4200**

To: Bureau of Building, Grounds and Real Property Management  
501 North West Street, Suite 1401B [Woolfolk Building]  
Jackson, Mississippi 39201

Re: Project # \_\_\_\_\_  
Project Title \_\_\_\_\_  
Location \_\_\_\_\_

I propose to complete all work in accordance with the Project Manual and Drawings within \_\_\_\_\_ consecutive calendar days for the sum of: (Professional must specify number of days)

**BASE BID:** (Write in the amount of the base bid in words and numbers. In case of conflict, the written word governs.)

Words: \_\_\_\_\_ Dollars (\$ \_\_\_\_\_)

**ALTERNATES:** (Write in the amount of all of the alternates in words and numbers. In case of conflict, the written word governs.)

**Alternate #1** ( ) Adds ( ) Deducts  
Words: \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)  
Description \_\_\_\_\_

**Alternate #2** ( ) Adds ( ) Deducts  
Words: \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)  
Description \_\_\_\_\_

**Alternate #3** ( ) Adds ( ) Deducts  
Words: \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)  
Description \_\_\_\_\_

**Alternate #4** ( ) Adds ( ) Deducts  
Words: \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)  
Description \_\_\_\_\_

**Alternate #5** ( ) Adds ( ) Deducts  
Words: \_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)  
Description \_\_\_\_\_

**ADDENDA ACKNOWLEDGMENT:** (modified dates August 2016)

No. \_\_\_\_\_ No. \_\_\_\_\_ No. \_\_\_\_\_  
No. \_\_\_\_\_ No. \_\_\_\_\_ No. \_\_\_\_\_

**ACCEPTANCE:**

I certify that I am authorized to enter into a binding contract, if this Proposal is accepted.

Signature \_\_\_\_\_ Date \_\_\_\_\_  
Name and Title \_\_\_\_\_  
Name of Business \_\_\_\_\_

Complete spelling of bidder's name and address - **exact as recorded at the Secretary of State**

[<http://www.sos.state.ms.us/busserv/corp/soskb/csearch.asp> ] which should be the same as you applied for at the Mississippi State Board of

Contractors [<http://www.msdoc.us/Search2.CFM> ] (see 2.07, 3.01, 5.01) **PLEASE LOOK IT UP at SoS. SoS rules when the 2 are different.**

Address \_\_\_\_\_ (mailing)  
Address \_\_\_\_\_ (physical)  
City/State/Zip Code \_\_\_\_\_ County \_\_\_\_\_  
Phone \_\_\_\_\_ Fax \_\_\_\_\_ Email \_\_\_\_\_

- **BIDDER'S CERTIFICATE OF RESPONSIBILITY NUMBER(S):** \_\_\_\_\_
- **MINORITY BUSINESS ENTERPRISE?** Yes \_\_\_\_\_ No \_\_\_\_\_ (to assist with Code 57-1-57)

- Attach copy of Non-Resident Bidder's Preference Law (5.04 of Bidder's Checklist)

- **Mechanical / Plumbing / Electrical Contractors:** (modified Dec 2013 SoS per 10/17/12 Addendum 1 & Feb 2014; 021219 sub over \$50,000.00; modified 04/06/2020)

Regarding said Divisions of the Specifications of the BoB Standard Form of Agreement Between The Owner and The Contractor: List any Mechanical/Plumbing and/or Electrical Sub-Contractors that will perform work of this contract; regardless of cost even for under \$50,000.00. COR must be included where sub-contract exceeds \$50,000.00. If no sub-contractor is listed, and such work is within scope of contract and over \$50,000.00, bidder's own COR classification(s) must be sufficient to self-perform any such work. If no sub-contractor is listed, then use of sub-contractor to perform such scope will not be permitted. This is in accordance with 5.05 and 5.06 of the Bidder's Checklist.

Mechanical Contractor: \_\_\_\_\_ Certificate of Responsibility No. \_\_\_\_\_  
Plumbing Contractor: \_\_\_\_\_ Certificate of Responsibility No. \_\_\_\_\_  
Electrical Contractor: \_\_\_\_\_ Certificate of Responsibility No. \_\_\_\_\_

■

SECTION 02 28 10

TERMITE CONTROL

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Soil treatment for termite control.

1.02 RELATED SECTIONS

- A. Section 02205 - Soil Materials: Backfill materials.

1.03 UNIT PRICE - MEASUREMENT AND PAYMENT

- A. Not used.

1.04 REFERENCES

- A. EPA - Environmental Protection Agency - Federal Insecticide, Fungicide and Rodenticide Act.
- B. State and local Codes: Regulations Governing Pest Control Operators.

1.05 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Indicate each toxicant to be used, composition by percentage, dilution schedule, intended application rate.
- C. Test Reports: Indicate regulatory agency approval reports when required.
- D. Manufacturer's Installation Instructions: Indicate caution requirements and.

1.06 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 01300.
- B. Product Data: Indicate each toxicant to be used, composition by percentage, dilution schedule, intended application rate.
- C. Test Reports: Indicate regulatory agency approval reports when required.
- D. Manufacturer's Installation Instructions: Indicate caution requirements and restrictions.
- E. Manufacturer's Certificate: Required. Certify that toxicants meet or exceed specified requirements.

1.07 PROJECT RECORD DOCUMENTS

- A. Submit under provisions of Section 01700.
- B. Accurately record moisture content of soil before application, date and rate of application, areas of application, diary of meter readings and corresponding soil coverage.

- C. Keep project records in accordance with the requirements of regulations governing Pest Control Operators.

#### 1.08 MAINTENANCE DATA

- A. Submit under provisions of Section 01700.
- B. Maintenance Date: Indicate re-treatment schedule an optional service contract should be made available.

#### 1.09 QUALIFICATIONS

- A. Applicator: Company specializing in performing the work of this Section and currently licensed by the State and local governments as required

#### 1.10 REGULATORY REQUIREMENTS

- A. Conform to all applicable codes in force for requirements for application licensing.
- B. Provide all necessary certification indicating that toxicants are approved for their intended use by State and local governments.

#### 1.11 SEQUENCING

- A. Sequence work under the provisions of Section 01010.
- B. Application to be coordinated with General Contractor prior to the placing of concrete.

#### 1.12 WARRANTY

- A. Provide a five year warranty under provisions of Section 01740.
- B. Warranty: Include coverage for damage and repairs to building and building contents caused by termites. Repair damage. Re-treat where required.
- C. Inspections and reports are to be submitted to the Owner in writing.

### PART 2 PRODUCTS

#### 2.01 MANUFACTURERS

- A. Certified as in 1.06, E.

#### 2.02 MATERIALS

- A. Toxicant Chemical : EPA and State approved; synthetically color dyed to permit visual identification of treated soil.
- B. Diluent: Recommended by toxicant manufacturer.

#### 2.03 MIX

- A. Mix toxicant to manufacturer's instructions.

## PART 3 EXECUTION

### 3.01 EXAMINATION

- A. Verify site conditions.
- B. Verify that soil surfaces are unfrozen, sufficiently dry to absorb toxicant, and ready to receive treatment.
- C. Verify final grading is complete.

### 3.02 APPLICATION

- A. Apply toxicant in accordance with label describing manufacturer's instructions for use.
- B. Apply toxicant to the area of the building footprint as described on the drawings. Apply also to an area extending out an additional 10 feet from the building perimeter in all directions.
- C. Apply extra treatment to structure penetration surfaces such as pipe or ducts, and soil penetrations such as grounding rods or posts.
- D. Re-treat disturbed treated soil with same toxicant as original treatment.
- E. If inspection of testing identifies the presence of termites, re-treat soil and re-test.

### 3.03 PROTECTION OF FINISHED WORK

- A. Protect construction materials and finished Work. The Contractor is to take the necessary precautions to assure that termites are not introduced into any construction materials that are left on untreated ground. Wood or cellulose based products should be isolated from the ground to prevent infection with termites.
- B. Do not permit soil grading over treated work.
- C. Re-treat as per 3.02, D.

### 3.06 SCHEDULES

- A. Locations
  1. Under Slabs-on-Grade.
  2. Under base of Foundation Surface.
  3. Soil Within 10 feet of Building Perimeter for a Depth of 2 feet.
  4. Treat the perimeter of the existing construction adjacent to the new construction.

END OF SECTION

## SECTION 022000

### EARTHWORK (Outside)

#### PART 1 – GENERAL

##### 1.01 EXISTING SITE CONDITIONS

- A. The Contractor shall visit the site and become familiar with the existing conditions and limitations of the work. No extras will be allowed because of the Contractor's misunderstanding as to the amount of work involved or a lack of knowledge of any existing conditions.
- B. All utilities and services, whether shown on the drawings or not, shall be suitably protected and maintained, and any damages thereto shall be promptly repaired. Owner shall be advised immediately of any damages sustained. If any extra expense is incurred due to the existence of utilities not shown on the drawings, or the location of which is not made known to the Contractor, the contract price shall be adjusted in accordance with the General Conditions.

##### 1.02 TESTS

- A. All tests shall be made by a laboratory as provided by the Contractor. Laboratory shall be independent from the contractor and shall be certified soils test laboratory.
- B. Standard density tests shall be made as prescribed by ASTM D698 or D2922. One test will be required for each lift per 1000 sf of surface area for roads and 1000 sf for other areas.
- C. For selected fill material the mechanical analysis shall be by ASTM D422. The liquid limit determination shall be by ASTM D423, and the plasticity index by ASTM D424.
- D. Tests failing to meet specifications shall be retested at the Contractor's expense. The tests shall be made as ordered by the Engineer.
- E. Areas represented by tests which do not meet the required density shall be excavated, replaced in specified lifts at optimum moisture content, recompact, and retested until the proper density is attained.

##### 1.03 SAMPLING

- A. All sampling and field tests shall be done as directed or in locations determined by the Engineer. No test shall be made without the Engineer's approval unless such test is made outside the provisions of this specification for the Contractor's own specific information.

##### 1.04 DEFINITIONS

- A. Excavation: Cutting, digging and removing all materials of every description, including foundations and rock, and of whatever substance encountered to the dimensions, limits, elevations and contours as shown on the drawings and as herein specified and subsequent disposal of materials removed.

## PART 2 – PRODUCTS

### 2.01 BORROW

- A. The Contractor shall furnish and place suitable material from off-site sources and shall fill and compact as required. Borrow materials shall be analyzed and be approved by the Engineer before delivery to the site.
- B. The borrow material shall be red sand clay having a maximum plasticity index of 10 to 25 and maximum liquid limit of 45.

## PART 3 – EXECUTION

### 3.01 DEWATERING

- A. The Contractor shall be responsible for all surface drainage, rain, and snow entering the site and excavation and shall remove such water.
- B. The Contractor shall pump from a sump all surface and ground water from the excavation area. The Contractor shall include all such costs of maintaining a dry excavation throughout the entire contract. Existing earth or fill in the construction area which becomes too wet from any cause shall be replaced at the Contractor's expense. No water will be permitted to accumulate in construction area. Contractor shall furnish and operate a temporary pump to remove water that collects in the permanent sump until such time as permanent pumps are in operation and shall then maintain and operate permanent pumps until construction acceptance. Method of disposing of water until storm sewer is available shall be the Contractor's responsibility.

### 3.02 SHORING

THIS PARAGRAPH NOT USED

### 3.03 BUILDING AND PAVING EXCAVATION

- A. The Contractor shall perform all excavating in the streets and parking areas as shown on the drawings. Existing earth shall be excavated to allow for 12 inch depth of compacted material to be under all paved areas.
- B. After stripping, perform all excavating of every description to the lines, elevations and sections indicated.

### 3.04 EXCAVATION FOR TRENCHES

- A. Dig trenches to the uniform width required for particular item to be installed, sufficiently wide to provide ample working room. Provide 6 inch to 9 inch clearance on both sides of pipe.
- B. Excavate trenches to depth indicated or required. Extend depth of trenches for piping to establish indicated flow lines and invert elevations. Keep bottoms of trenches sufficiently below finish grade to avoid freeze-ups.
- C. Grade bottoms of trenches as indicated, notching under pipe bells to provide solid bearing for entire body of pipe.

- D. Do not backfill trenches until tests and inspections have been made and backfilling authorized by Architect/Engineer. Use care in backfilling to avoid damage or displacement of pipe systems.

END OF SECTION

## SECTION 025130

### ASPHALT PAVING

#### PART 1 - GENERAL

##### 1.01 DESCRIPTION

- A. The work includes base course, tack coat and surface course.
- B. The extent of the paving work is shown on the drawings.

##### 1.02 REFERENCE

- A. The Mississippi Standard Specification for Road and Bridge Construction, latest edition, referred to hereafter as the Standard Specification. All references to Method of Measurement and Basis of Payment shall be deleted.
- B. Prepared subbase is specified in Section, EARTHWORK.

##### 1.03 QUALITY ASSURANCE

- A. Furnish certification from supplier that materials are as specified.
- B. Submit Job-Mix Formula for approval prior to placement of asphalt.

##### 1.04 TESTING

- A. Employ an approved independent testing laboratory to do all testing. Pay all testing charges to the laboratory.
- B. Take the tests required by the applicable section of the Standard Specifications. One test shall be made for every 2000 sq. yd. or fraction thereof.
- C. Placing additional work over material that has not been tested and approved may require the Contractor to remove permanent work, get approved tests and replace the work at no additional cost to the Owner.

##### 1.05 TEST REPORTS

- A. Transmit two (2) copies of the test reports directly from the laboratory to the Engineer.
- B. Identify test reports by project title, EnCon File Number, project location and location of each on-site test submitted.

#### PART 2 - PRODUCTS

##### 2.01 BASE COURSE

- A. Bituminous base course in accordance with Section 301 of the Standard Specifications, BB-1.

## 2.02 TACK COAT

- A. Tack coat in accordance with Section 407 of the Standard Specification shall be used between existing or new bituminous.

## 2.03 SURFACE COURSE

- A. Bituminous surface course in accordance with Section 403 of the Standard Specifications, SC-1.

## PART 3 - EXECUTION

### 3.01 EQUIPMENT AND PLANT

- A. Equipment and plant shall be in accordance with the applicable sections of the Standard Specifications.
- B. Spreading and screening equipment for asphaltic concrete that is not self-propelled may be used with prior written approval of the Engineer.

### 3.02 PROCEDURES

- A. Construction procedures shall be in accordance with the applicable sections of the Standard Specifications.

### 3.03 PAVEMENT PLACEMENT

- A. Replace all pavement removed during construction. Where pavement remaining after excavation is less than 6 feet wide, replace the entire width of paving.
- B. Thickness of subgrade base and surface to be equal to existing but not less than shown on drawings.

### 3.04 MARKING ASPHALT SURFACING

- A. Striping: Use of a traffic lane marking paint with chlorinated rubber base, factory-mixed, quick-drying and non-bleeding. Color shall be white. Provide material complying with FS-TT-p-115, Type III, unless otherwise acceptable to the Engineer. Paint with mechanical equipment providing uniform straight edges, applied in two coats at the manufacturer's recommended rates.

### 3.05 FRAME ADJUSTMENTS

- A. Set frames for manholes and other units within areas to be paved, to final grade. Include existing frames and/or new frames furnished in other sections of these specifications.

### 3.06 TESTING

- A. No direct payment will be made for testing of asphalt.

END OF SECTION

## SECTION 029300

### LAWNS AND GRASSING

#### PART 1 - GENERAL

##### 1.01 DESCRIPTION

- A. This section includes seeding all exterior ground areas within the limits of the contract (and adjacent areas damaged during construction), except surfaces occupied by buildings, structures and pavement, and areas indicated as undisturbed, or otherwise planted as shown on drawings. The work shall include furnishing and/or spreading topsoil, finish grading, preparing seed bed, covering seeds and compacting seed bed, and providing plant establishment in compliance with the contract and specifications.
- B. When grassed areas have become eroded or otherwise damaged during the period of this contract due to construction activities or staging of materials, the affected areas shall be repaired to re-establish the surface and condition of the soil as provided for in these specifications. Such areas shall be reseeded as specified in this section.

##### 1.02 CONDITIONS

- A. Permanent seeding shall be conducted only between April 1st and September 1st, temporary winter seeding will be required followed by permanent seeding executed as possible thereafter within the allowable planting schedule.
- B. Seeding operations shall not begin until all construction procedures have been completed, unless otherwise approved.

#### PART 2 – MATERIALS

##### 2.01 MATERIALS

- A. Fertilizer: Commercial fertilizer shall be 13-13-13 formula 13% nitrogen, 13% phosphoric acid, 13% potash. Fertilizer shall be dry, granular and bagged in manufacturer's original unopened container.
- B. Agricultural Lime: Ground or pulverized, containing not less than 90% calcium carbonate and shall be ground to such a fineness that 50% will pass through a 100-mesh sieve and 90% will pass through a 20-mesh sieve.
- C. Seed: All seed shall comply with the seed laws of the State of Mississippi and all applicable regulations. The seed shall be fresh, clean, of the best grade, vitality, purity and germination, and shall be delivered in bags showing percent of germination and purity of seed, and the percent of obnoxious weeds and inert matter.
  - 1. Bermuda (permanent grass) - common hulled, new crop seed, testing 98% for purity and 90% for germination.
  - 2. Perennial Rye (temporary grass) - Testing 95% for purity and 85% for germination.
- D. Mulching: Threshed straw of cereal grain (wheat, rice, oats). All material shall be free of Johnson grass broom sedge, weed seed and noxious materials.

- E. Topsoil: Natural, fertile, friable soil possessing characteristics of representative productive soils in the vicinity. It shall be free of stones, lumps, plants, roots, obnoxious grass and weeds and other foreign matter. It shall be of uniform composition throughout, not excessively acid or alkaline, nor contain substances which may be harmful to plant growth. Existing on-site soil may be utilized in planting soil mix if of good quality to promote healthy growth and is approved by Architect. Topsoil shall not be stripped, collected or deposited while wet.

## PART 3 – EXECUTION

### 3.01 GROUND PREPARATION

- A. Thoroughly loosen the surface of all areas to be seeded to a depth of two (2) inches by plowing, discing and harrowing, or by other approved methods. All clods and lumps shall be pulverized to provide a smooth, uniformly loose, well-broken surface, free of roots and other objectionable foreign matter.
- B. Topsoil shall be placed evenly to a minimum depth of two (2) inches.
- C. At least seven (7) days prior to seeding, lime shall be applied at rate of 50 lbs. per 1,000 S.F. and thoroughly incorporated into soil to a depth of two (2) inches.
- D. Grade lawn areas to finish grades, filling as needed or removing surplus dirt and floating areas to a smooth, uniform grade. Slope all lawn areas to drain. Roll, scarify, rake and level as necessary to obtain true even lawn surfaces.
- E. Hand dressing will be used in all areas within twenty (20) ft. of any building construction to obtain a perfectly smooth and properly graded area to provide drainage away from the structure and paved areas with elevations as shown on drawings. All other areas shall be machine graded unless otherwise noted.

### 3.03 SEEDING

- A. All seed shall be sown in compliance with the dates indicated in section 2.01 C.
- B. No seeding shall be conducted during windy weather or when the ground is frozen, excessively wet, or in a non-tillable condition.
- C. Seed shall be uniformly sown at the rate of 1-1/2 lbs. per 1000 sq. ft. for Bermuda; 6 lbs. per 1000 sq. ft. for ryegrass.
- D. Seed shall be sown preferably by mechanical spreaders. Entire seeded area shall be raked to cover the seed to a depth of 1/8 to 1/2 inch, thoroughly rolled and then watered deeply with a fine spray.

### 3.04 MULCHING

- A. Mulch shall be placed uniformly in a continuous blanket at a rate of one (1) bale per 1000 sq. ft. Mulching shall take place within 24 hours after completion of seeding operations and shall begin on the windward side of areas and from tops of slopes. The use of wet vegetative materials will not be permitted and baled material shall be loose and thoroughly broken before it is distributed.

### 3.05 ESTABLISHMENT AND MAINTENANCE

- A. Lawn areas shall be protected and maintained by watering, mowing and reseeding as may be necessary for at least 30 days after completion of the last lawn operation and as much longer as is necessary to produce a uniform stand of grass. Grass shall be considered established and accepted when each sq. ft. of grass area contains a sufficient number of well rooted and growing grass plants to provide a reasonable green cover, sufficient erosion control, and a definite green appearance during the growing season.

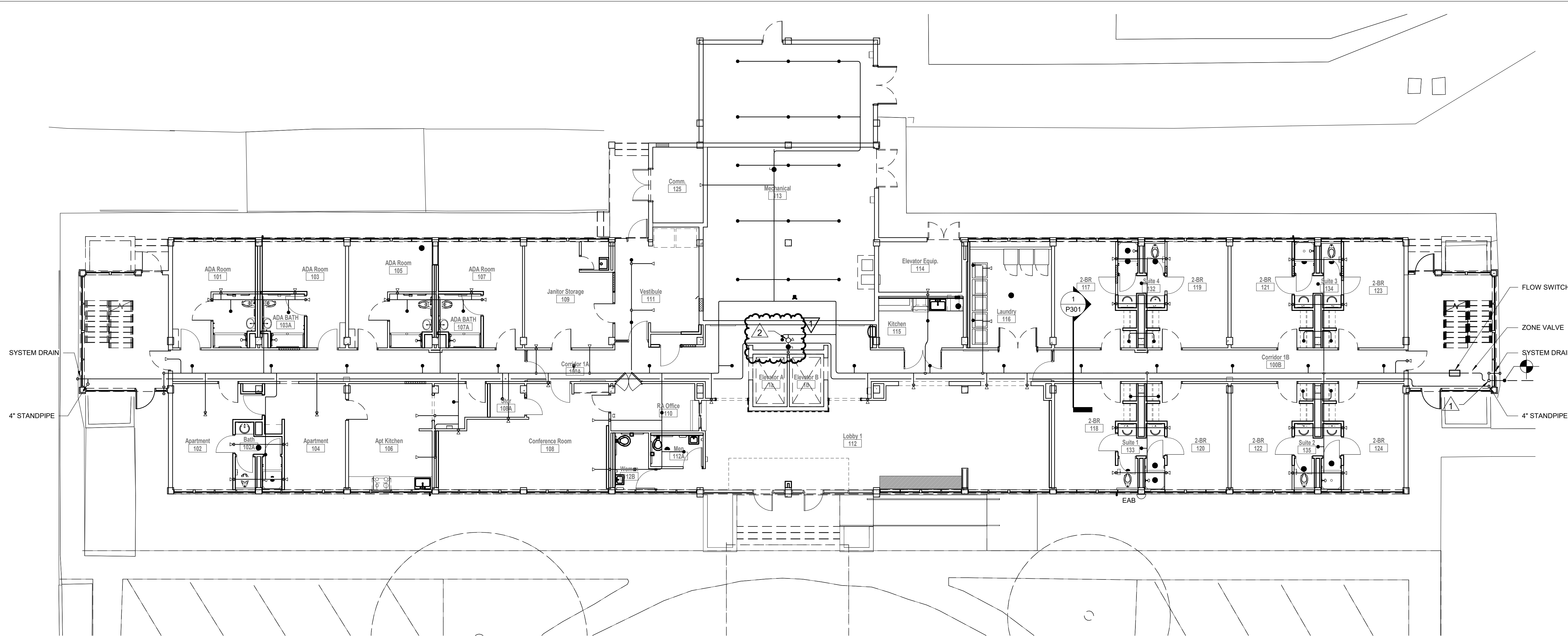
### 3.06 PROTECTION

- A. Restrict pedestrian and vehicular traffic from seeded areas after planting and until grass is established and accepted.

### 3.07 REPAIRING/RESEEDING

- A. Unaccepted areas requiring reseeding shall be so designated by the Architect. Reseeding shall be in compliance with the specifications herein and in accordance with the planting schedule. Reseeded areas shall be also remulched.
- B. When grassed areas have become eroded or otherwise damaged during the period of this contract due to construction activities or staging of materials, the affected areas shall be repaired to re-establish the surface and condition of the soil as provided for in these specifications. Such areas shall be reseeded as specified. Placing and reshaping of all earthwork shall be in accordance with the direction of the Architect and Owner.
- C. No additional payment will be made for refertilizing, reseeding, remulching, or repairing eroded areas.

END OF SECTION

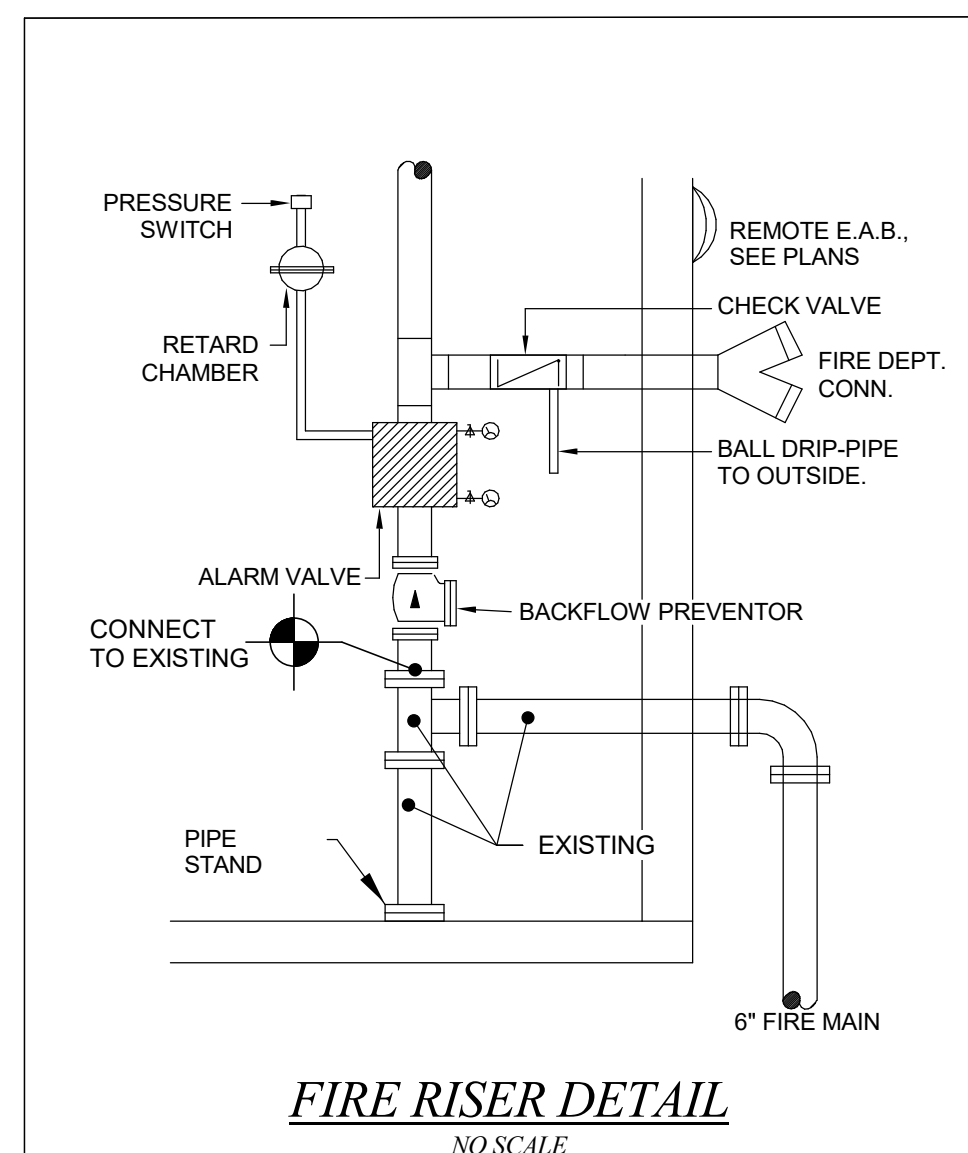


**1**  
F101 1/8" = 1'-0"

### FIRE PROTECTION LEGEND

SYMBOL/DESIGNATION	DESCRIPTION
---	EXISTING FIRE PROTECTION WATER PIPING
---	NEW FIRE PROTECTION WATER PIPING
●	POINT OF CONNECTION TO EXISTING
○ FH	TYPICAL FIRE HYDRANT WITH SHUTOFF VALVE
● PIV	NEW POST INDICATOR VALVE
□ FDC	NEW FIRE DEPARTMENT CONNECTION
△ EAB	NEW ELECTRIC ALARM BELL
●	POP DOWN SPRINKLER HEAD (FULLY RECESSED)
▲	THRUST BLOCKING
▶	SIDEWALL SPRINKLER HEAD (WET)
▽ D	SIDEWALL SPRINKLER HEAD (DRY)
○	UPRIGHT EXPOSED SPRINKLER HEAD
○	UPRIGHT EXPOSED SPRINKLER HEAD W/HEAVY DUTY GUARD
□ BFP	BACKFLOW PREVENTER
A/C	ABOVE CEILING
B/S	BELOW SLAB
B/F	BELOW FLOOR
A/G	ABOVE FINISHED GRADE
B/G	BELOW FINISHED GRADE
I/W	IN WALL
DN	DOWN
AFF	ABOVE FINISHED FLOOR
---	1 HOUR FIRE RATED PARTITION (VERIFY WITH ARCHITECTURAL DRAWINGS)
---	2 HOUR FIRE RATED PARTITION (VERIFY WITH ARCHITECTURAL DRAWINGS)
---	4 HOUR FIRE RATED PARTITION (VERIFY WITH ARCHITECTURAL DRAWINGS)

**GENERAL NOTES:**  
ROUTE NEW PIPING THROUGH EXISTING SERVICE HOLES IN PLEXIGLASS TO CONNECT TO EXISTING 6" MAIN 12" A.F.F.

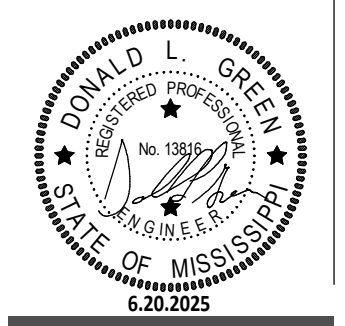


**RESULTS OF EXISTING FIRE FLOW TEST ARE AS FOLLOWS:**  
STATIC PRESSURE: 80 PSI  
RESIDUAL PRESSURE: 72 PSI  
FLOWRATE: 1250 GPM

CONTRACTOR IS TO PERFORM A NEW FIRE FLOW TEST AT THE CLOSEST FIRE HYDRANT FOR THIS CONTRACT AND PROVIDE THE RESULTS IN THE FIRE SPRINKLER SUBMITTALS.

**SHEET NOTES:**

- PROVIDE NEW FIRE RISER ASSEMBLY IN EXISTING LOCATION. ROUTE NEW PIPING THROUGH EXISTING SERVICE HOLES IN PLEXIGLASS TO CONNECT TO EXISTING 6" MAIN 12" A.F.F. SEE DETAIL FOR MORE INFORMATION.
- PROVIDE FLOW SWITCH AND ISOLATION VALVE IN LINE WITH SPRINKLER LINE SERVING ELEVATOR PIT.



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SHEET **F101**

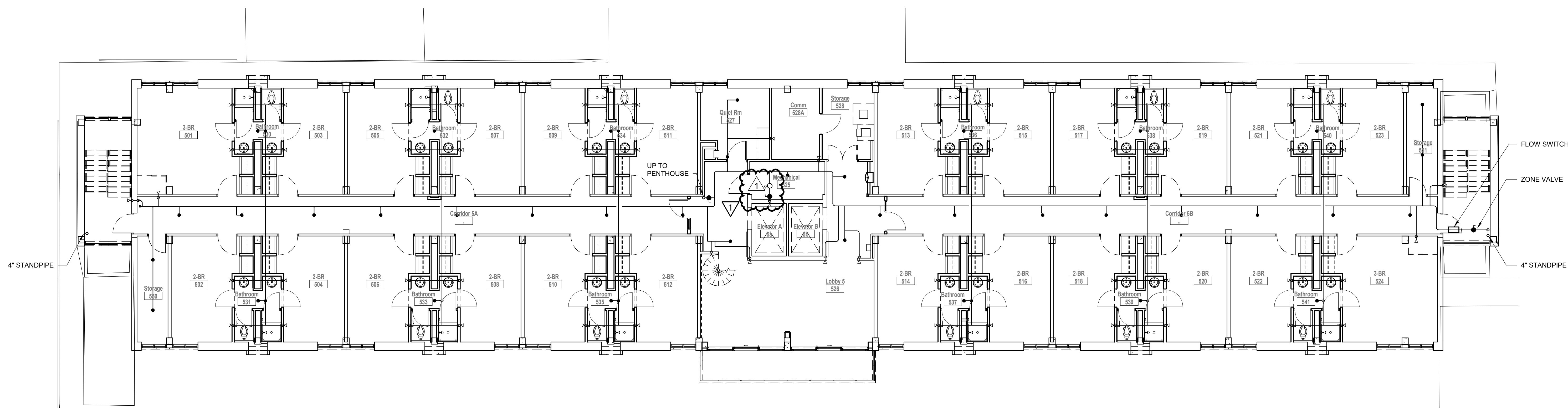
**FIRST FLOOR PLAN - FIRE PROTECTION**

DATE: 6.20.2025  
SZZARCH#: 2414  
DRAWN BY: TEG  
CHECKED BY: TEG

REVISIONS:  
ADDENDUM #2 8-27-25

# GS# 104-215 JONES HALL RENOVATIONS

Mississippi University for Women



**FIFTH FLOOR PLAN - FIRE PROTECTION**  
 1/8" = 1'-0"

1  
F105



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SHEET **F105**

**FIFTH FLOOR  
PLAN - FIRE  
PROTECTION**

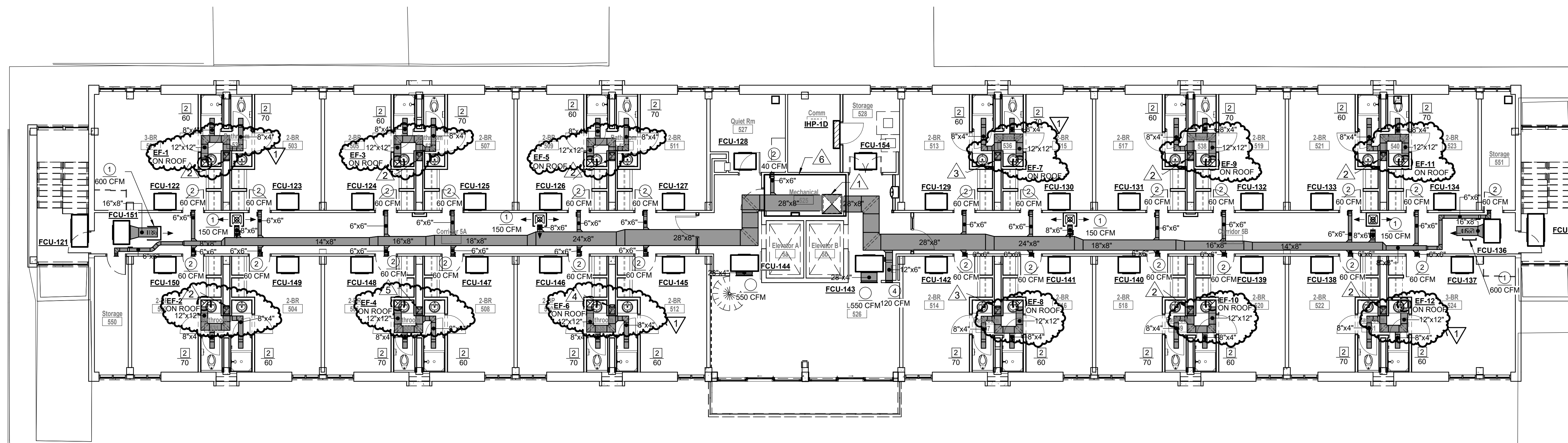
DATE: 6.20.2025  
 SZZARCH#: 2414  
 DRAWN BY: TEG  
 CHECKED BY: TEG

REVISIONS:  
 ADDENDUM #2 8-27-25

**NOTES:**  
 PROVIDE FLOW SWITCH AND ISOLATION VALVE IN LINE WITH SPRINKLER LINE SERVING ELEVATOR PIT.

# GS# 104-215 JONES HALL RENOVATIONS

Mississippi University for Women



**1 FIFTH FLOOR PLAN - H.V.A.C.**  
 M105 1/8" = 1'-0"

- NOTES:**
1. 34"x34" OUTSIDE AIR DUCT FROM ABOVE  
 32"x30" OUTSIDE AIR DUCT DOWN TO FOURTH FLOOR.  
 PROVIDE A.F.D. AT FLOOR PENETRATION.
  2. 14"x8" EXHAUST FROM BELOW.  
 12"x12" EXHAUST UP TO EF ON ROOF.  
 PROVIDE A.F.D. AT FLOOR PENETRATION.
  3. 14"x8" EXHAUST FROM BELOW.  
 12"x12" EXHAUST UP TO EF ON ROOF.  
 PROVIDE A.F.D. AT FLOOR PENETRATION.
  4. 16"x8" EXHAUST FROM BELOW.  
 12"x12" EXHAUST UP TO EF ON ROOF.  
 PROVIDE A.F.D. AT FLOOR PENETRATION.
  5. 12"x8" EXHAUST FROM BELOW.  
 12"x12" EXHAUST UP TO EF ON ROOF.  
 PROVIDE A.F.D. AT FLOOR PENETRATION.
  6. PROVIDE 1/2" STEEL PLATING FOR EXTENTS OF MECHANICAL ROOM FLOOR TO COVER EXISTING DUCTWORK PENETRATIONS. PROVIDE FIRE CAULK BETWEEN FLOOR AND PLATING AROUND PERIMETER AS SEAL.

- GENERAL NOTES:**
- PROVIDE MANUAL DAMPER AT EVERY OUTSIDE AIR BRANCH LOCATION. LOCATE WITHIN CORRIDOR OR ACCESSIBLE CEILING AREA.
  - ALL NEW ROOF PENETRATIONS AND EQUIPMENT SUPPORTS ARE TO BE COORDINATED WITH ANY ACTIVE ROOF WARRANTIES, AND INSTALLED PER ROOF MANUFACTURER'S RECOMMENDATION TO MAINTAIN ALL EXISTING ROOF WARRANTIES.
  - PROVIDE PAINTED 1"x2"x1/8" ALUMINUM ANGLE UNDER DORM ROOM FAN COIL UNITS. ANGLE TO BE FULL LENGTH OF FAN COIL AND ATTACHED AT THE BOTTOM OF THE UNIT AGAINST THE WALL (SEE DETAIL ON SHEET P301). ANGLE PROVIDED IS INTENDED TO COVER OPENINGS IN EXISTING BLOCK WALL WHERE SUPPLY GRILLES WERE REMOVED.



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SHEET **M105**

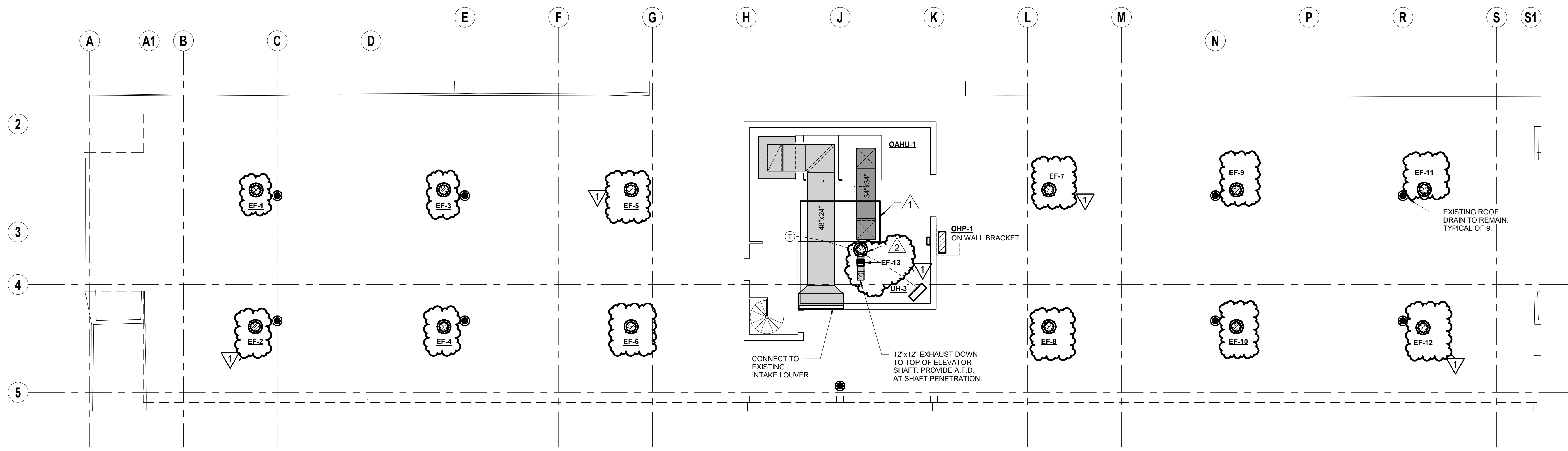
**FIFTH FLOOR PLAN - H.V.A.C.**

DATE: 6.20.2025  
 SZZARCH#: 2414  
 DRAWN BY: TEG  
 CHECKED BY: TEG

REVISIONS:  
 ADDENDUM #2 8-27-25

# GS# 104-215 JONES HALL RENOVATIONS

Mississippi University for Women



**1** ROOF - MECHANICAL PLAN  
M106 1/8" = 1'-0"

- NOTES:**
- 1 PROVIDE 1/2" STEEL PLATING FOR EXTENTS OF MECHANICAL ROOM FLOOR TO COVER EXISTING DUCTWORK PENETRATIONS. PROVIDE FIRE CAULK BETWEEN FLOOR AND PLATING AROUND PERIMETER AS SEAL.
  - 2 PROVIDE NEW REILEF CAP EQUAL TO COOK MODEL PR10 WITH MANUFACTURER'S ROOF CURB. PROVIDE KYNAR FINISH ON CURB AND CAP. COORDINATE FINISH WITH ARCHITECT.

**GENERAL NOTES:**

- PROVIDE NEW ROOF FLASHING INTO EXISTING ROOFING FOR ALL NEW ROOF EXHAUST FANS (SEE DETAIL). COORDINATE ALL WORK PRIOR TO STARTING WITH EXISTING ROOFING MANUFACTURER TO MAINTAIN EXISTING ROOFING WARRANTY.



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SHEET **M106**

**PENTHOUSE & ROOF PLAN - H.V.A.C.**

DATE: 6.20.2025  
SZZARCH#: 2414  
DRAWN BY: TEG  
CHECKED BY: TEG

REVISIONS:  
ADDENDUM #2 8-27-25



UNIT HEATERS							
MARK	CFM	ELEC. DATA		TYPE	HEATING CAPACITY		MFR. AND MODEL
		SERVICE	FLA/MOP		M.B.H.	TEMP RISE (F)	
UH-1	630	120v, 1ph	1.7/15	HOT WATER	31	47	REZNOR MODEL UWS 22/31
UH-2	630	120v, 1ph	1.7/15	HOT WATER	31	47	REZNOR MODEL UWS 22/31
UH-3	790	120v, 1ph	2.1/15	HOT WATER	45	51	REZNOR MODEL UWS 32/45

ACCESSORIES:  
1) MOUNTING BRACKETS  
2) WIRED THERMOSTAT

\*SCHEDULED EQUIPMENT MATERIALS ARE "BASIS OF DESIGN". EQUIVALENT PRODUCTS MEETING PERFORMANCE CRITERIA AND SPECIFICATIONS OF DOMESTIC MANUFACTURERS SHALL BE ACCEPTABLE. REFER TO SPECIFICATIONS SECTION 01600 SUBSTITUTIONS AND PRODUCT OPTIONS FOR SUBSTITUTION REQUIREMENTS.

EXISTING BOILER											
MARK	FUEL	INPUT M.B.H.	OUTPUT M.B.H.	L.W.T. OF	TYPE	FLUE/INLET	ACCESSORIES	MFR. AND MODEL	ELECTRICAL		REMARKS
									VOLTAGE	MCA/MOP	
EXISTING B-3	NAT. GAS	1,500	1,402.5	160"	CONDENSING	6"/6"	1,2,3,4,5	FULTON EDR-1500	120v, 1ph	20/25	
EXISTING B-4	NAT. GAS	1,500	1,402.5	160"	CONDENSING	6"/6"	1,2,3,4,5	FULTON EDR-1500	120v, 1ph	20/25	

ACCESSORIES:  
1) CONTRACTOR TO PROVIDE A STEP DOWN REGULATOR AT BOILER GAS CONNECTION.  
2) PROVIDE BACNET INTERFACE FOR OPERATION N MSTP OR IP (COORDINATE WITH CONTROLS CONTRACTOR).  
3) PROVIDE OUTSIDE AIR RESET CAPABILITY WITH SENSOR.  
4) PROVIDE AUTOMAT ELECTRIC DISCHARGE WATER ISOLATION VALVES.  
5) PROVIDE CONDENSATE TRAP AND PH NEUTRALIZER KIT TO HANDLE BOTH BOILERS.

\*SCHEDULED EQUIPMENT MATERIALS ARE "BASIS OF DESIGN". EQUIVALENT PRODUCTS MEETING PERFORMANCE CRITERIA AND SPECIFICATIONS OF DOMESTIC MANUFACTURERS SHALL BE ACCEPTABLE. REFER TO SPECIFICATIONS SECTION 01600 SUBSTITUTIONS AND PRODUCT OPTIONS FOR SUBSTITUTION REQUIREMENTS.

GRILLES, REGISTERS AND DIFFUSERS								
MARK	TYPE	CFM RANGE	NECK SIZE	FACE SIZE	DEF'L.	CEILING TYPE	MANUFACTURE	MODEL
②	B	0-120	6"x6"	8"x8"	DOUBLE DEFLECTION	---	PRICE	620
③	B	120-230	10"x6"	12"x8"	DOUBLE DEFLECTION	---	PRICE	620
④	B	150-300	12"x6"	14"x8"	DOUBLE DEFLECTION	---	PRICE	620
⑤	A	0-100	6"	12"x12"	SEE PLANS	LAT	PRICE	ASPD-06
①	C	900-1300	22"x22"	24"x24"	45°	GYP	PRICE	63FF
②	C	50-750	12"x12"	14"x14"	45°	GYP	PRICE	635

TYPE:  
A) PLAQUE FACE CEILING SUPPLY DIFFUSER  
B) LOUVER FACE SUPPLY DIFFUSER  
C) LOUVER FACE RETURN/EXHAUST GRILLE

NOTES:  
1) PROVIDE ALL DIFFUSERS WITH ALL ALUMINUM OPPOSED BLADE DAMPER  
2) PROVIDE PLASTER RING FOR ALL DIFFUSERS MOUNTED IN HARD CEILINGS

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HYDRONIC PUMPS											
MARK	MOTOR CONNECTION	G.P.M.	HEAD FT. W.G.	R.P.M.	ELEC. DATA		MIN. EFF. %	MAX. NPSHR FT. W.G.	TYPE	OVERLOAD POINT	MFR. AND MODEL
					SERVICE	HP					
HWP-1	CLOSED COUPLED	220	90	1760	208v, 3ph	10	69%	9	VERT. END SUCTION	NON-OVERLOADING	GRUNDFOSIPACO 20121LC
HWP-2	CLOSED COUPLED	220	90	1760	208v, 3ph	10	69%	9	VERT. END SUCTION	NON-OVERLOADING	GRUNDFOSIPACO 20121LC
EXISTING CWP-J1	CLOSED COUPLED	610	80	---	208v, 3ph	20	---	---	VERT. END SUCTION	NON-OVERLOADING	GRUNDFOS 40124-LC
EXISTING CWP-J2	CLOSED COUPLED	610	80	---	208v, 3ph	20	---	---	VERT. END SUCTION	NON-OVERLOADING	GRUNDFOS 40124-LC

NOTES:  
• EXISTING CWP-J1 AND CWP-J2 ARE NOT IN THIS CONTRACT. INFORMATION PROVIDED FOR THEM IN THIS SCHEDULE IS FOR ELECTRICAL CONSIDERATIONS.

\*SCHEDULED EQUIPMENT MATERIALS ARE "BASIS OF DESIGN". EQUIVALENT PRODUCTS MEETING PERFORMANCE CRITERIA AND SPECIFICATIONS OF DOMESTIC MANUFACTURERS SHALL BE ACCEPTABLE. REFER TO SPECIFICATIONS SECTION 01600 SUBSTITUTIONS AND PRODUCT OPTIONS FOR SUBSTITUTION REQUIREMENTS.

SPLIT SYSTEM HEAT PUMPS (MINI-SPLITS)										HEAT PUMP CONDENSING UNITS													
MARK	TOTAL CFM	O.A. CFM	EXTERNAL S.P. IN W.G.	E.W.T. D.B.	COND. W.B.	TOTAL REVERSE CYCLE MBH	ELECTRICAL DATA		M.C.A.	M.O.P.	MARK	AMBIENT TEMP °F	TOTAL COOLING MBH	TOTAL HEATING MBH	ELECTRICAL DATA			MODEL NUMBERS					
							SERVICE	HP							SERVICE	MCA/MOP	EER2	MANUF.	AHU	REMARKS	CONDENSING UNIT	ACCESSORIES	
IHP-1A	400	---	---	80	67	12.0	14.4	208v, 1ph	---	1.0	15.0	OHP-1	95	48.0	57.6	208v, 1ph	36/64	13.1	mitsubishi	MUZ-GL12NA	CONNECT TO OHP-1	MXZ-SM48NAM2	1,2
IHP-1B	400	---	---	80	67	12.0	14.4	208v, 1ph	---	1.0	15.0								mitsubishi	MUZ-GL12NA	CONNECT TO OHP-1		1,2
IHP-1C	400	---	---	80	67	12.0	14.4	208v, 1ph	---	1.0	15.0								mitsubishi	MUZ-GL12NA	CONNECT TO OHP-1		1,2
IHP-1D	400	---	---	80	67	12.0	14.4	208v, 1ph	---	1.0	15.0								mitsubishi	MUZ-GL12NA	CONNECT TO OHP-1		1,2
IHP-2	430	---	---	80	67	15.0	16.0	208v, 1ph	*	1.0	*	OHP-2	95	15.0	16.0	208v, 1ph	18/20	14.0	mitsubishi	MSZ-FS15NA	SINGLE ZONE SYSTEM	MUZ-FS15NAH	1,2
IHP-3	430	---	---	80	67	17.2	19.0	208v, 1ph	*	1.0	*	OHP-3	95	17.2	19.0	208v, 1ph	18/20	12.5	mitsubishi	MSZ-FS18NA	SINGLE ZONE SYSTEM	MUZ-FS18NAH	1,2

ACCESSORIES:  
1) LOW AMBIENT KIT FOR OUTDOOR UNIT  
2) WIRED PROGRAMMABLE THERMOSTAT WITH BACNET

NOTES:  
• INDOOR UNIT ELECTRICAL FED FROM OUTDOOR UNIT.

\*SCHEDULED EQUIPMENT MATERIALS ARE "BASIS OF DESIGN". EQUIVALENT PRODUCTS MEETING PERFORMANCE CRITERIA AND SPECIFICATIONS OF DOMESTIC MANUFACTURERS SHALL BE ACCEPTABLE. REFER TO SPECIFICATIONS SECTION 01600 SUBSTITUTIONS AND PRODUCT OPTIONS FOR SUBSTITUTION REQUIREMENTS.

RECIRCULATION PUMPS									
MARK	MOTOR CONNECTION	G.P.M.	HEAD FT. W.G.	R.P.M.	ELEC. DATA		TYPE	MFR. AND MODEL	
					SERVICE	HP			
RP-1	FLANGED	12	60	4300	208v, 1PH	2	INLINE RECIRC	TACO VR30H	
RP-2	FLANGED	12	60	4300	208v, 1PH	2	INLINE RECIRC	TACO VR30H	

ACCESSORIES:  
1) DISCONNECT (BY ELECTRICAL CONTRACTOR)  
2) AQUA STAT (SET TO 120°F)

NOTES:  
1) RP-1 AND RP-2 TO BE PIPED IN PARALLEL AND OPERATED AS DUTY/STANDBY PUMPS.

\*SCHEDULED EQUIPMENT MATERIALS ARE "BASIS OF DESIGN". EQUIVALENT PRODUCTS MEETING PERFORMANCE CRITERIA AND SPECIFICATIONS OF DOMESTIC MANUFACTURERS SHALL BE ACCEPTABLE. REFER TO SPECIFICATIONS SECTION 01600 SUBSTITUTIONS AND PRODUCT OPTIONS FOR SUBSTITUTION REQUIREMENTS.

WATER HEATERS											
MARK	FUEL	STORAGE GALLONS	RECOVERY @ 100 ° RISE	INPUT M.B.H.	ELEC. DATA			MFR. AND MODEL	REMARKS		
					SERVICE	BLOWER H.P.	FLA				
WH-1	NAT. GAS	100	456	400.0	120v, 1ph	---	7.5	4"/4"	RHEEM MODEL GHE100SS-400 TRITON	TANK HEATER @140°	
WH-2	NAT. GAS	100	456	400.0	120v, 1ph	---	7.5	4"/4"	RHEEM MODEL GHE100SS-400 TRITON	TANK HEATER @140°	
WH-3	NAT. GAS	100	456	400.0	120v, 1ph	---	7.5	4"/4"	RHEEM MODEL GHE100SS-400 TRITON	TANK HEATER @140°	

ACCESSORIES:  
1) STAINLESS STEEL DRAIN PAN  
2) ACID NEUTRALIZATION KIT

\*SCHEDULED EQUIPMENT MATERIALS ARE "BASIS OF DESIGN". EQUIVALENT PRODUCTS MEETING PERFORMANCE CRITERIA AND SPECIFICATIONS OF DOMESTIC MANUFACTURERS SHALL BE ACCEPTABLE. REFER TO SPECIFICATIONS SECTION 01600 SUBSTITUTIONS AND PRODUCT OPTIONS FOR SUBSTITUTION REQUIREMENTS.

100% OUTSIDE AIR UNIT																						
MARK	CFM	O.A. CFM	TOTAL S.P.	EXT. S.P.	PRE-HEATING CAP		FILTER	COOLING DATA				HEATING DATA (RE-HEAT)			ELECTRICAL DATA			OPTIONS	MFR & MODEL			
					CAPACITY MBH	HEATING GPM		ENT D.B.	ENT W.B.	TOTAL MBH	SENSIBLE MBH	COOLING GPM	MIN. IEER	HEATING GPM	MAX CAPACITY MBH	SERVICE	FAN HP			FAN TYPE	COMP F.L.A.	M.C.A./M.O.P.
OAHU-1	11,110	11,110	3.39	1.25	482	32.2	4"	97	79	1107	582	220.67	19.5	17.69	265	208v/3ph	15	DD PLENUM	---	74.25/125	1,2,3,4,5,6,7,8,9,10,11,12	TRANE CSAA025

OPTIONS:  
1) 2" MERV 13 PLEATED FILTERS  
2) SINGLE POINT POWER CONNECTION WITH FACTORY INSTALLED CIRCUIT BREAKER  
3) HINGED ACCESS DOORS  
4) VIBRATION ISOLATION  
5) DOUBLE WALL INSULATED CABINET  
6) MOTORIZED O/A DAMPER  
7) UNIT INTEGRAL VFD  
8) INDOOR AIR HANDLER TYPE  
9) 8" BASE RAIL  
10) SAME SIDE UNIT CONNECTIONS (COORDINATE WITH PLANS)  
11) HORIZONTAL DISCHARGE

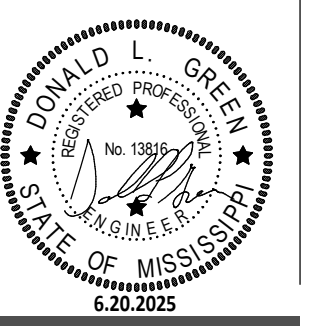
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FANS											
MARK	CFM	S.P.	R.P.M.	ELEC. DATA		SONES	DRIVE	TYPE	ACCESSORIES	INTERLOCK WITH/ CONTROLLED BY	MFR. AND MODEL
				SERVICE	MOTOR						
EF-1	720	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-2	650	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-3	720	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-4	520	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-5	620	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-6	720	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-7	520	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-8	520	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-9	650	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-10	650	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4,5	OAHU-1	COOK ACED 101C17D
EF-11	650	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-12	650	0.75	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4	OAHU-1	COOK ACED 101C17D
EF-13	900	0.50	900	120v, 1ph	1/3 hp	3.5	DIRECT	A	1,3,4,5,7,8	CONTROLS OPERATION	COOK GNR2
EF-14	770	0.50	1725	120v, 1ph	1/3 hp	10.6	DIRECT	A	1,2,3,4,5	VENTILATION THERMOSTAT	COOK ACED 101C17D
EF-15	645	0.50	1587	120v, 1ph	1/4 hp	5.5	DIRECT	B	1,3,4,5,7,8	VENTILATION THERMOSTAT	COOK GN740

TYPE:  
A) CENTRIFUGAL ROOF DOWN-BLAST EXHAUST  
B) CENTRIFUGAL INLINE EXHAUST

ACCESSORIES:  
1) PRE-MOUNTED SPEED CONTROL  
2) MANUFACTURER'S ROOF CURB (18" TALL)  
3) GRAVITY BACKDRAFT DAMPER  
4) DISCONNECT  
5) THERMOSTAT  
6) MOTOR STARTER  
7) VIBRATION ISOLATION  
8) RELIEF CAP (COOK PR10) WITH CURB AND KYNAR FINISH ON CURB AND CAP

\*SCHEDULED EQUIPMENT MATERIALS ARE "BASIS OF DESIGN". EQUIVALENT PRODUCTS MEETING PERFORMANCE CRITERIA AND SPECIFICATIONS OF DOMESTIC MANUFACTURERS SHALL BE ACCEPTABLE. REFER TO SPECIFICATIONS SECTION 01600 SUBSTITUTIONS AND PRODUCT OPTIONS FOR SUBSTITUTION REQUIREMENTS.



**SHAHER ZAHNER ZAHNER**

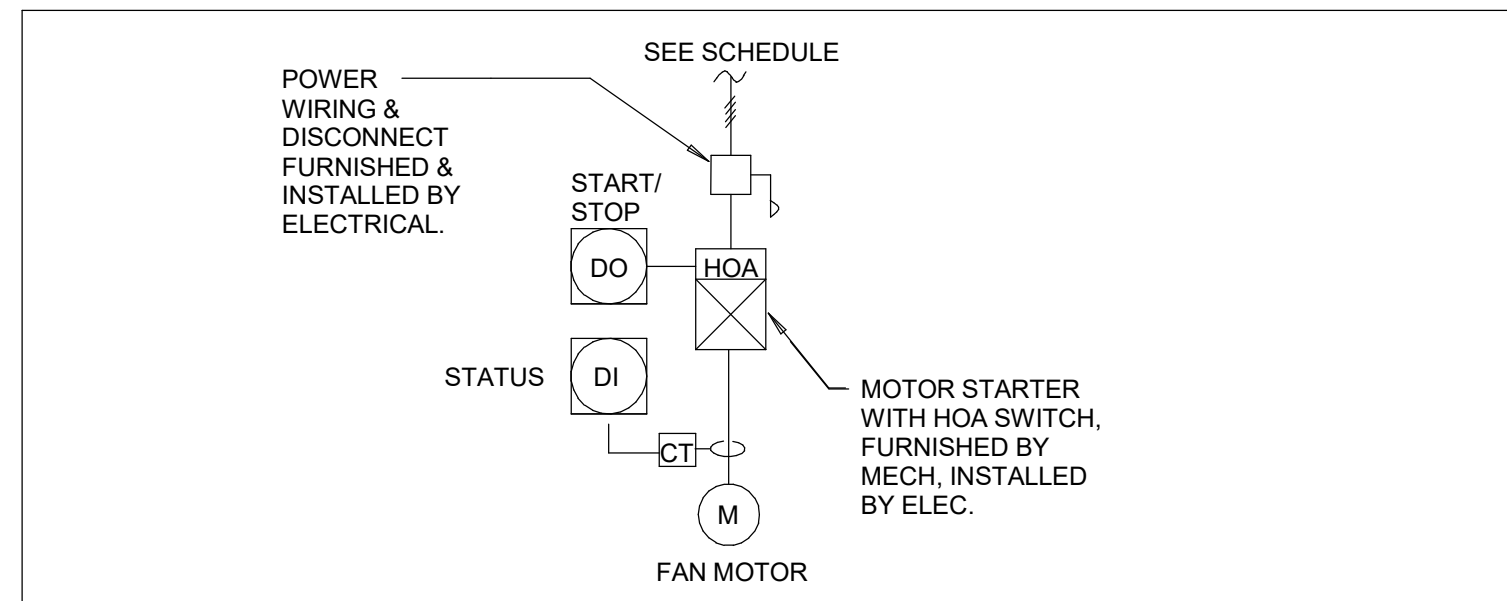
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SHEET **M202**

**MECHANICAL SCHEDULES**

DATE: 6.20.2025  
SZZARCH#: 2414  
DRAWN BY: TEG  
CHECKED BY: TEG

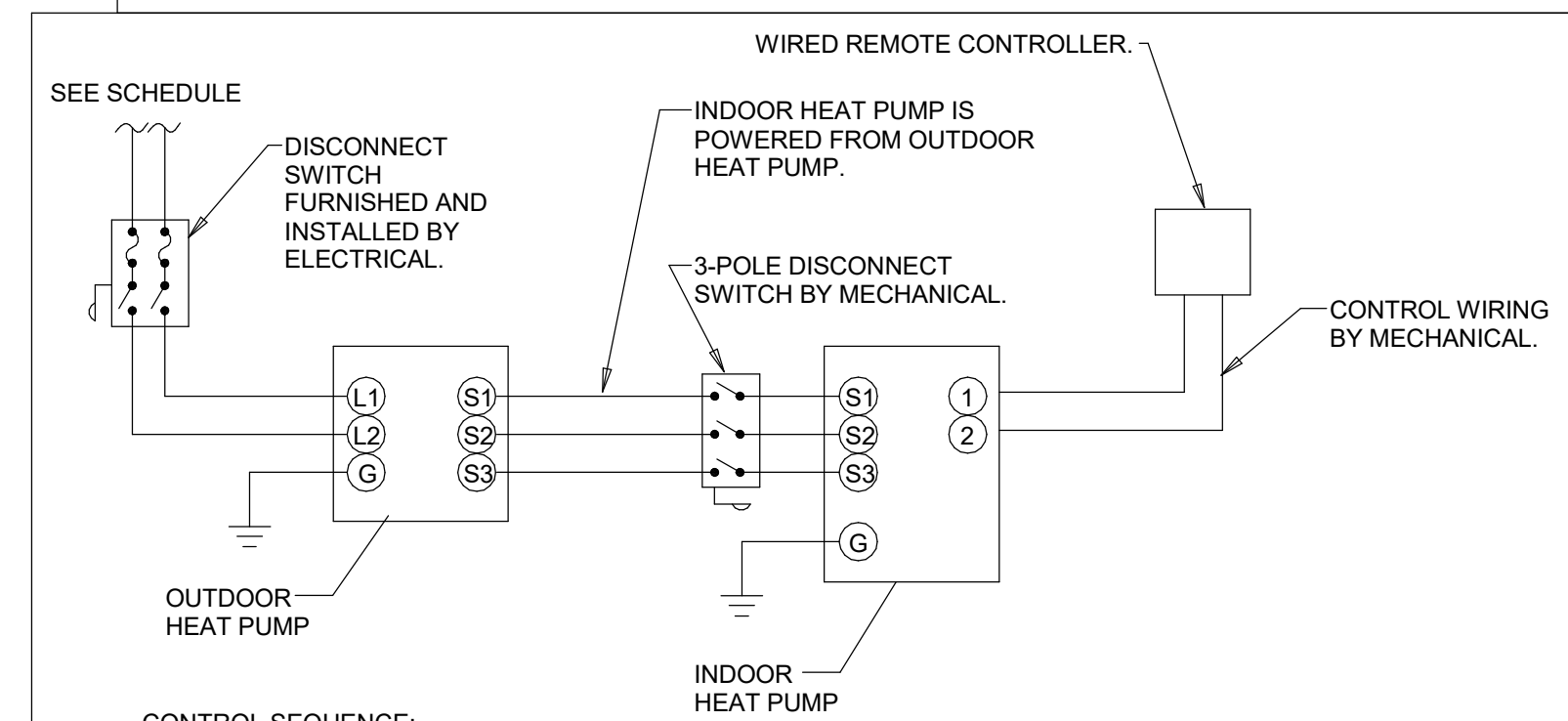
REVISIONS:  
ADDENDUM #2 8-27-25



THE BAS SHALL START/STOP THE EXHAUST FAN BASED ON THE EQUIPMENT IT SHALL BE INTERLOCKED WITH, SEE SCHEDULE.

**EXHAUST FAN CONTROLS**

NO SCALE

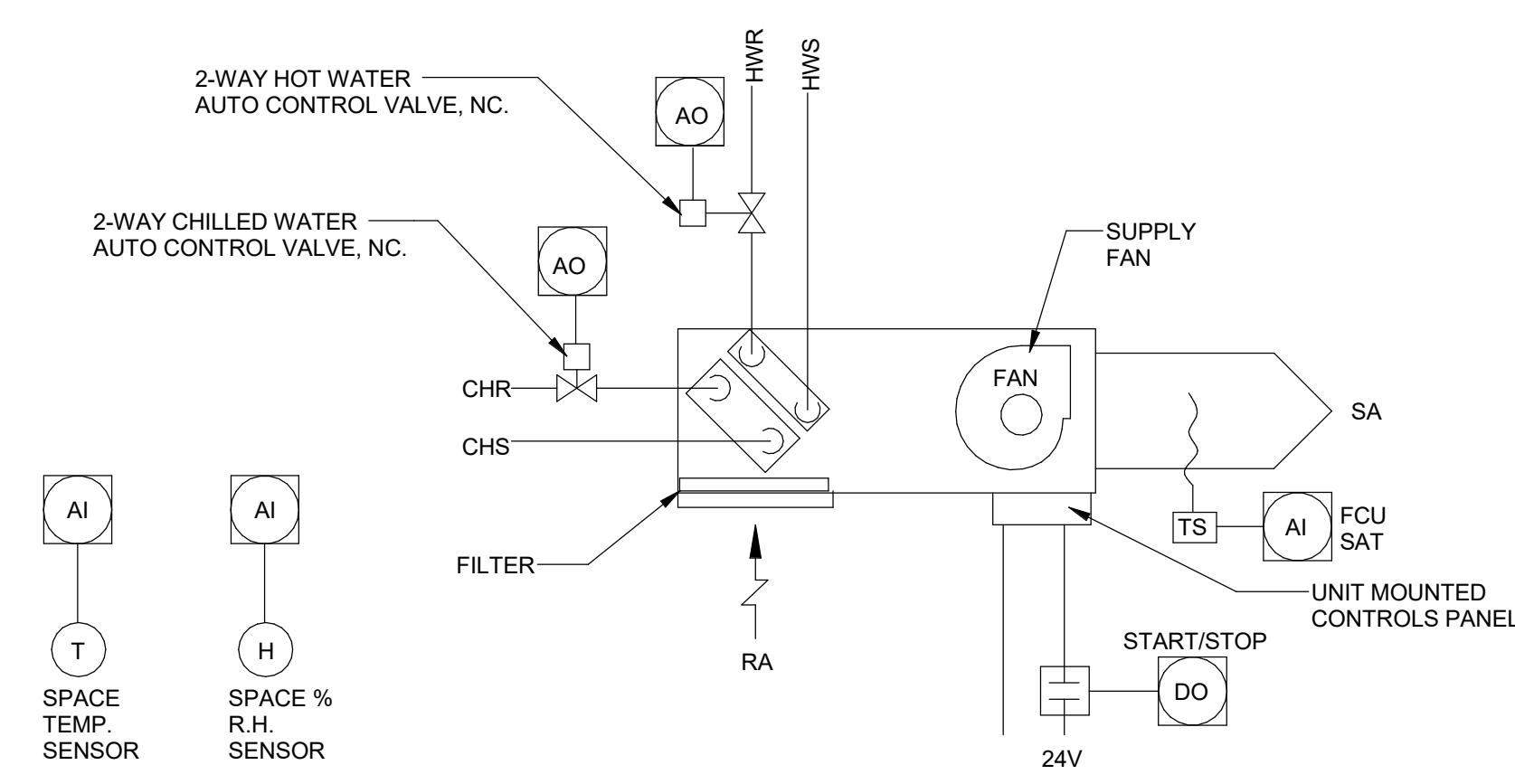


CONTROL SEQUENCE:

THE AC UNIT SHALL BE CONTROLLED BY A WIRED WALL MOUNTED REMOTE CONTROLLER. THE CONTROLLER SHALL CYCLE ON COMPRESSOR(S) TO MAINTAIN COOLING SETPOINT (74°F - ADJUSTABLE) AND HEATING SETPOINT (70°F - ADJUSTABLE). ALL MINI-SPLIT AC UNITS THAT SERVE ELECTRICAL AND IT ROOMS SHALL NOT SET THEIR TEMPERATURE BACK AT NIGHT. FOR ALL MINI-SPLIT AC UNITS THAT SERVE OFFICES, CLASSROOMS, ETC. SHALL SET THEIR TEMPERATURE BACK TO 4°F ABOVE SETPOINT IN SUMMER AND 4°F BELOW SETPOINT IN THE WINTER. COORDINATE WITH OWNER TO ESTABLISH OCCUPIED / UNOCCUPIED SCHEDULES.

**DUCTLESS SPLIT SYSTEM CONTROLS**

NO SCALE



**FAN COIL UNIT CONTROLS**

NO SCALE

**CONTROL SEQUENCE:**

THE START SEQUENCE SHALL BE INITIATED BY THE BAS OCCUPANCY SCHEDULE, DEHUMIDIFICATION OVERRIDE, THERMOSTAT OVERRIDE, OR OPERATOR OVERRIDE (HAND MODE FROM WORKSTATION).

**OCCUPIED MODE:**  
IN OCCUPIED MODE, THE BAS SHALL START & CONTINUOUSLY RUN THE SUPPLY FAN, UPON A RISE IN SPACE TEMPERATURE ABOVE THE SETPOINT, THE CHILLED WATER CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN THE SPACE TEMPERATURE SETPOINT. UPON A DROP IN SPACE TEMPERATURE BELOW THE SETPOINT, THE HOT WATER CONTROL VALVE SHALL MODULATE OPEN TO MAINTAIN THE SPACE TEMPERATURE SETPOINT.

**UNOCCUPIED MODE:**  
IN UNOCCUPIED MODE, THE SUPPLY FAN SHALL ONLY RUN WHEN THE SPACE TEMPERATURE SETPOINT OR SPACE HUMIDITY SETPOINT IS NOT SATISFIED.

**DEHUMIDIFICATION MODE:**  
WHEN THE SPACE RELATIVE HUMIDITY, AS MEASURED AT THE SPACE HUMIDITY SENSOR, IS ABOVE 55% RH (ADJ.) FOR 5 MINUTES (ADJ.), THE CHILLED WATER CONTROL VALVE SHALL FULLY OPEN & THE HOT WATER CONTROL VALVE SHALL MODULATE TO MAINTAIN THE SPACE TEMPERATURE. IF THE SPACE RELATIVE HUMIDITY IS ABOVE 55% RH (ADJ.) FOR 15 MINUTES (ADJ.), THE BAS SHALL ALARM THE OPERATOR. WHENEVER THE SPACE RELATIVE HUMIDITY RETURNS TO 55% RH (ADJ.) OR BELOW, THE BAS SHALL PLACE THE FCU INTO THE CORRECT MODE ACCORDING TO THE BAS OCCUPANCY SCHEDULE.

**TRENDING:**  
THE BAS SHALL MONITOR AND TREND ALL POINTS SHOWN.

**100% OUTSIDE AIR HANDLER CONTROL SEQUENCE :**

THE START SEQUENCE FOR THE SUPPLY FANS SHALL BE INITIATED BY THE BUILDING AUTOMATION SYSTEM. THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE FIELD MOUNTED BACNET CONTROLLER AN OCCUPIED AND OR UNOCCUPIED COMMAND. THE BAS SHALL MONITOR THE POINTS INDICATED IN THE POINTS LIST. IF COMMUNICATION IS LOST WITH THE BAS, THE CONTROLLER SHALL OPERATE BASED ON LAST COMMAND. A UNIT GRAPHIC SHALL BE PROVIDED.

**OCCUPIED MODE**

WHEN THE SUPPLY FANS ARE STARTED, THE BAS SHALL SLOWLY INCREASE THE SPEED OF ALL FANS TO REACH AND MAINTAIN STATIC PRESSURE SET POINT AT THE DUCT STATIC PRESSURE SENSOR. THE STATIC PRESSURE SET POINT SHALL BE DETERMINED BY THE TEST AND BALANCE CONTRACTOR TO MEET THE OUTSIDE AIR DESIGN AIRFLOW (SEE SCHEDULE). DURING OCCUPIED PERIODS, THE SUPPLY FAN SHALL RUN CONTINUOUSLY. ALL EXHAUST FANS TO BE COMMANDED ON. WHEN THE OUTDOOR AIR DRY-BULB TEMPERATURE IS GREATER THAN 52.0°F, THE UNIT SHALL MODULATE TO MAINTAIN THE COOLING COIL DISCHARGE AIR TEMPERATURE AT 52.0°F AND THE MODULATING HOT WATER REHEAT CONTROLS SHALL RAISE UNIT DISCHARGE AIR TEMPERATURE TO 73.0°F.

**OUTSIDE AIR DAMPER CONTROL :**

THE OUTSIDE DAMPER SHALL MODULATE AS REQUIRED TO MAINTAIN THE MINIMUM OUTSIDE AIR AMOUNT AS MEASURED BY THE AIR FLOW MONITOR (SEE SCHEDULE).

**DEHUMIDIFICATION MODE (OCCUPIED) :**

WHEN THE SPACE RELATIVE HUMIDITY SENSOR GREATER THAN (55% R.H. - ADJUSTABLE) THE CHILLED WATER CONTROL VALVE WILL MODULATE OPEN TO PROVIDE A LEAVING AIR TEMPERATURE OF 52°F OFF OF COOLING COIL. THE CONTROL VALVE FOR THE REHEAT COIL SHALL THEN MODULATE TO REHEAT THE AIR TO 73°F. IF THE CHILLED WATER LEAVING AIR TEMPERATURE (C.W. LAT) IS GREATER THAN 60°F FOR 20 MINUTES, THE BAS WILL STOP THE AIR HANDLING UNIT AND ALARM THE WORK STATION.

**UNOCCUPIED MODE**

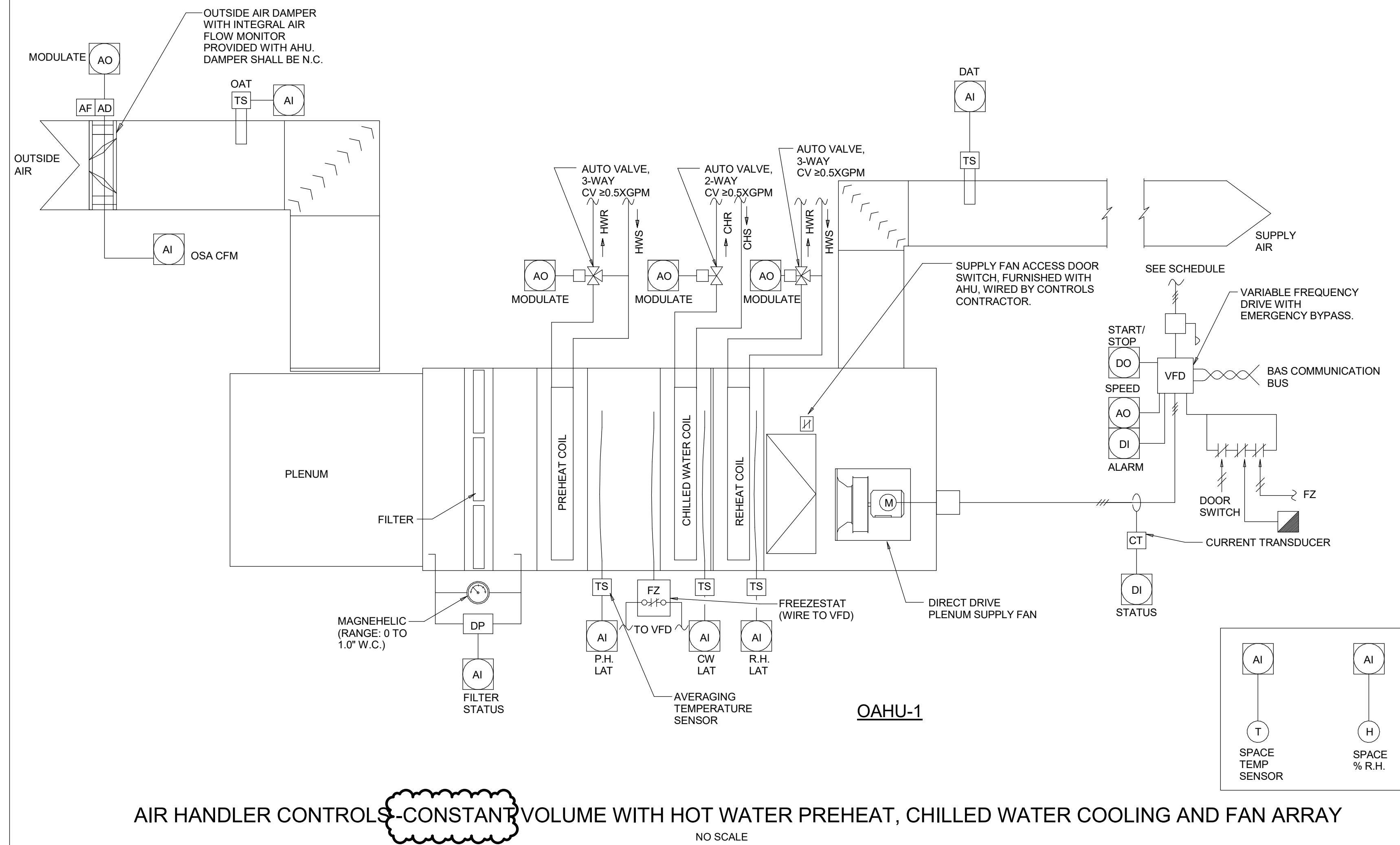
DURING UNOCCUPIED PERIODS, THE SUPPLY FAN SHALL BE DISABLED, THE OUTSIDE AIR DAMPER SHALL CLOSE, COOLING SHALL BE DISABLED, AND HEATING SHALL BE DISABLED. ALL EXHAUST FANS SHALL BE COMMANDED OFF.

**DEHUMIDIFICATION MODE (UNOCCUPIED) :**

IF HUMIDITY LEVEL AT SENSOR ON 1ST FLOOR OR 2ND FLOOR INCREASES ABOVE UNOCCUPIED SETPOINT OF 65% RH (ADJ.), THE SUPPLY FAN SHALL START, THE OUTSIDE AIR DAMPER SHALL OPEN, THE UNIT SHALL MODULATE TO MAINTAIN THE COOLING COIL DISCHARGE AIR TEMPERATURE AT 53.0°F (ADJ.), AND THE MODULATING HOT WATER REHEAT SHALL MODULATE TO MAINTAIN THE UNIT DISCHARGE AIR TEMPERATURE AT 73.0°F (ADJ.). MODE SHALL TERMINATE WHEN DEHUMIDIFICATION IS NO LONGER REQUESTED BY THE BAS.

**FREEZE PROTECTION/PREHEAT COIL CONTROL :**

IF THE TEMPERATURE AT THE OUTSIDE AIR TEMPERATURE SENSOR DROPS BELOW 40°F, THE BAS WILL MODULATE THE HOT WATER VALVE ON THE PREHEAT COIL TO MAINTAIN A MINIMUM PREHEAT AIR TEMPERATURE OF 45°F. IF THE TEMPERATURE LEAVING THE PREHEAT COIL DROPS BELOW 40°F, THE BAS WILL STOP THE AIR HANDLING UNIT, CLOSE THE O.A. DAMPER, AND ALARM THE WORK STATION AND THE PREHEAT COIL VALVE SHALL BE OPEN 100%.



**AIR HANDLER CONTROLS - CONSTANT VOLUME WITH HOT WATER PREHEAT, CHILLED WATER COOLING AND FAN ARRAY**

NO SCALE

**100% OUTSIDE AIR HANDLER CONTROL SEQUENCE :**

THE START SEQUENCE FOR THE SUPPLY FANS SHALL BE INITIATED BY THE BUILDING AUTOMATION SYSTEM. THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE FIELD MOUNTED BACNET CONTROLLER AN OCCUPIED AND OR UNOCCUPIED COMMAND. THE BAS SHALL MONITOR THE POINTS INDICATED IN THE POINTS LIST. IF COMMUNICATION IS LOST WITH THE BAS, THE CONTROLLER SHALL OPERATE BASED ON LAST COMMAND. A UNIT GRAPHIC SHALL BE PROVIDED.

**OCCUPIED MODE**

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**UNOCCUPIED MODE**

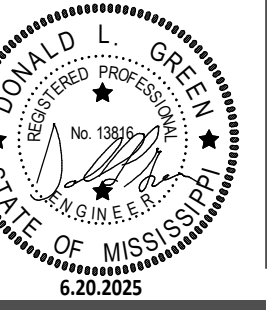
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SHEET **M205**

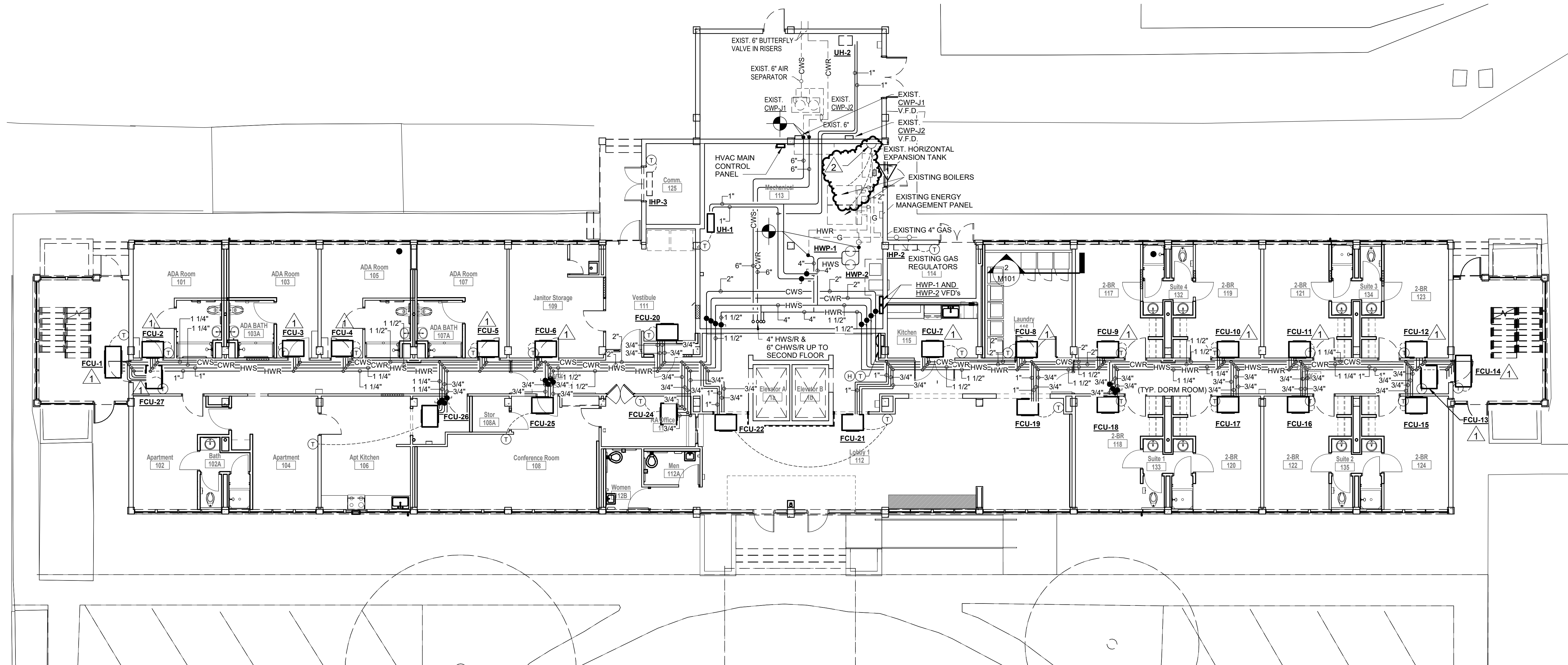
**MECHANICAL CONTROLS**

DATE: 6.20.2025  
SZZARCH#: 2414  
DRAWN BY: TEG  
CHECKED BY: TEG

REVISIONS:  
ADDENDUM #2 8-27-25

# GS# 104-215 JONES HALL RENOVATIONS

Mississippi University for Women



**FIRST FLOOR PLAN - H.V.A.C. PIPING**  
 1/8" = 1'-0"

**NOTES:**  
 1 3/4" HEATING AND CHILLED RETURN/SUPPLY WITH BALL VALVE.  
 2 PROVIDE NEW EMERGENCY SHUTOFF VALVE FOR GAS SERVICE TO EXISTING BOILERS. PROVIDE WITH NEW ISOLATIONS VALVES, DIRT LEG ASSEMBLY, EMERGENCY BUTTON AND CONTROL WIRING AS REQUIRED.



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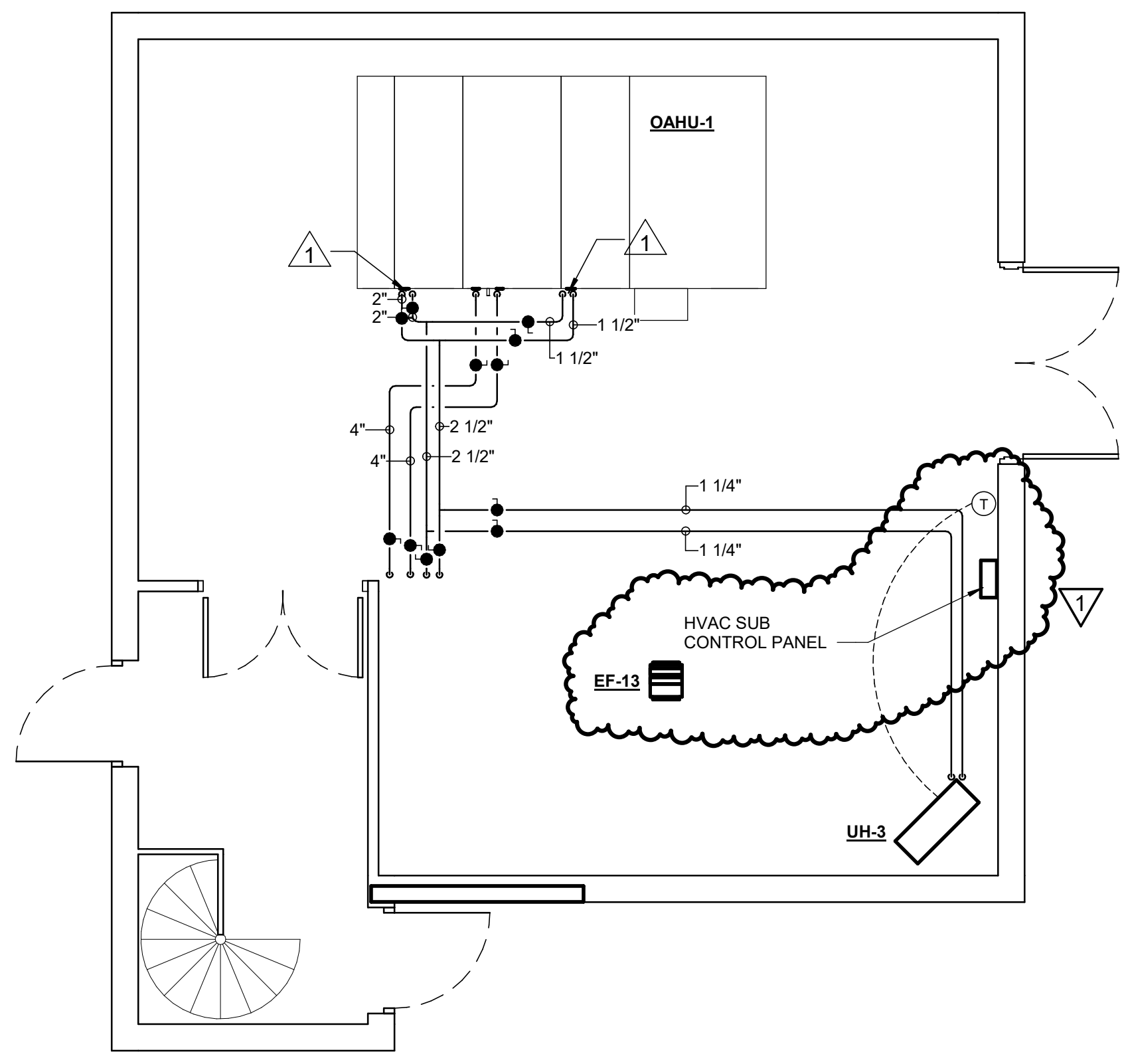
SHEET **MP101**

**FIRST FLOOR PLAN - H.V.A.C. PIPING**

DATE: 6.20.2025  
 SZZARCH# 2414  
 DRAWN BY: TEG  
 CHECKED BY: TEG

REVISIONS:  
 ADDENDUM #2 8-27-25

NOTES:  
 ⚠️ PROVIDE 3-WAY CONTROL VALVE AT **OAHU-1** PREHEAT AND REHEAT CONNECTIONS.



**1**  
 MP106 1/4" = 1'-0"  
**PENTHOUSE FLOOR PLAN - H.V.A.C. PIPING**

**GS# 104-215 JONES HALL RENOVATIONS**

Mississippi University for Women



**SHAHER  
 ZAHNER  
 ZAHNER**

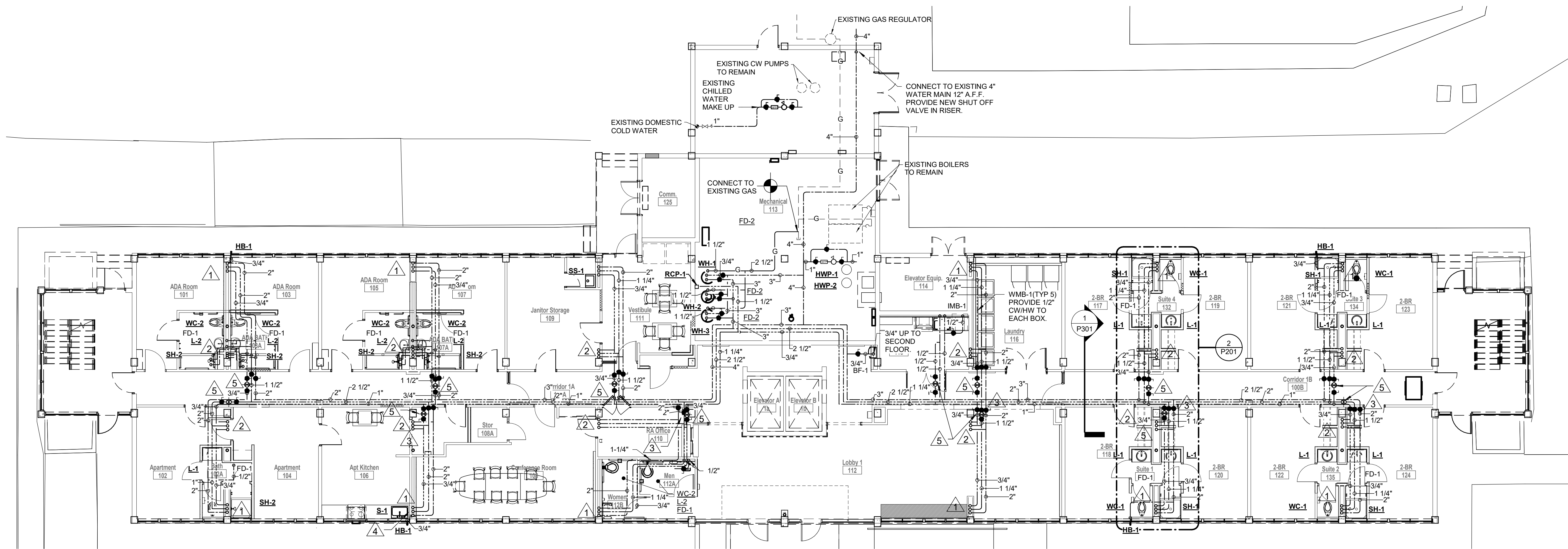
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SHEET **MP106**

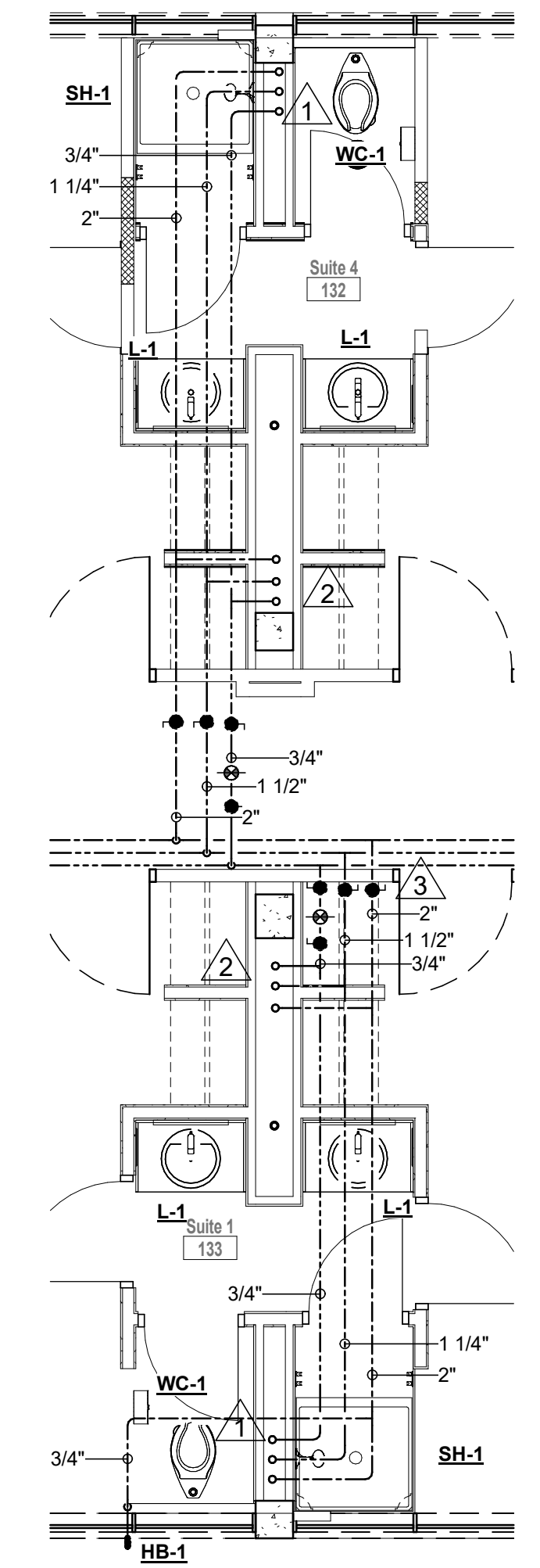
**PENTHOUSE  
 FLOOR PLAN -  
 H.V.A.C.  
 PIPING**

DATE: 6.20.2025  
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REVISIONS:  
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1 FIRST FLOOR PLAN - PRESSURE  
 P201 1/8" = 1'-0"



2 Typical Suite Bathrooms  
 P201 1/4" = 1'-0"

- SHEET NOTES:**
- 1 2" CW, 1-1/4" HW, 3/4" RECIRC. UP TO SECOND FLOOR.
  - 2 1-1/4" CW & 1-1/4" HW 3/4" RECIRC. UP TO SECOND FLOOR.
  - 3 PROVIDE 12"x12" ACCESS DOOR FOR ISOLATION VALVE ACCESS IN HARD CEILING
  - 4 ROUTE DOMESTIC WATER PIPING DOWN IN CHASE, THROUGH CABINET TO NEW SINK AND HOSE BIBB
  - 5 PROVIDE NEW BALANCING VALVE IN APPROXIMATE LOCATION. SET FLOWRATE OF EACH VALVE TO 1 GPM.

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SHEET **P201**

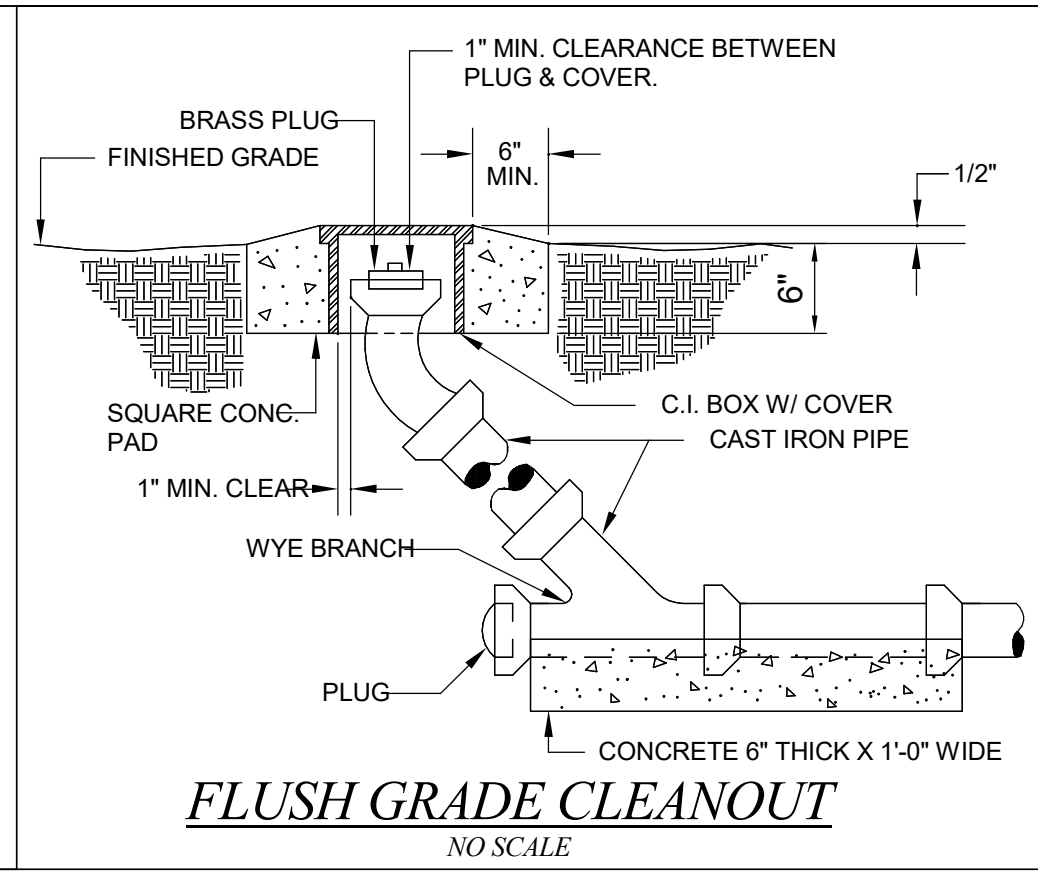
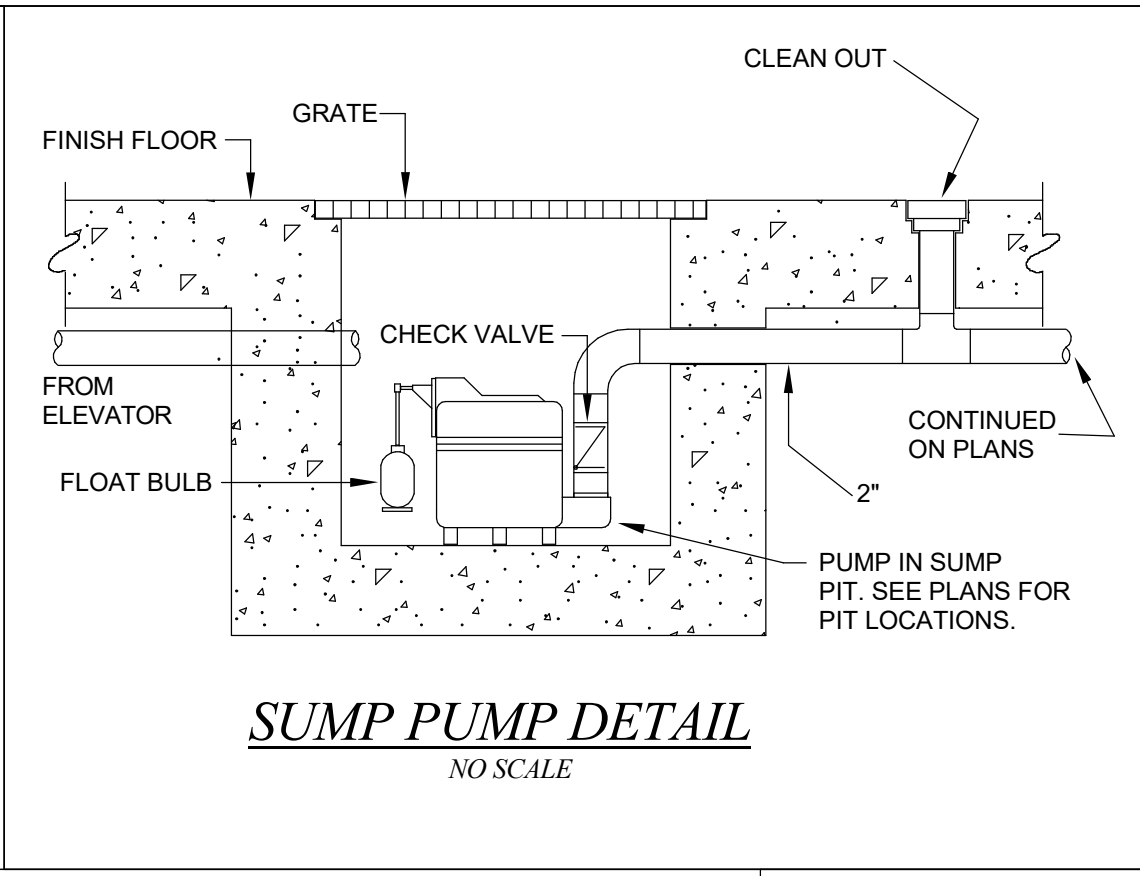
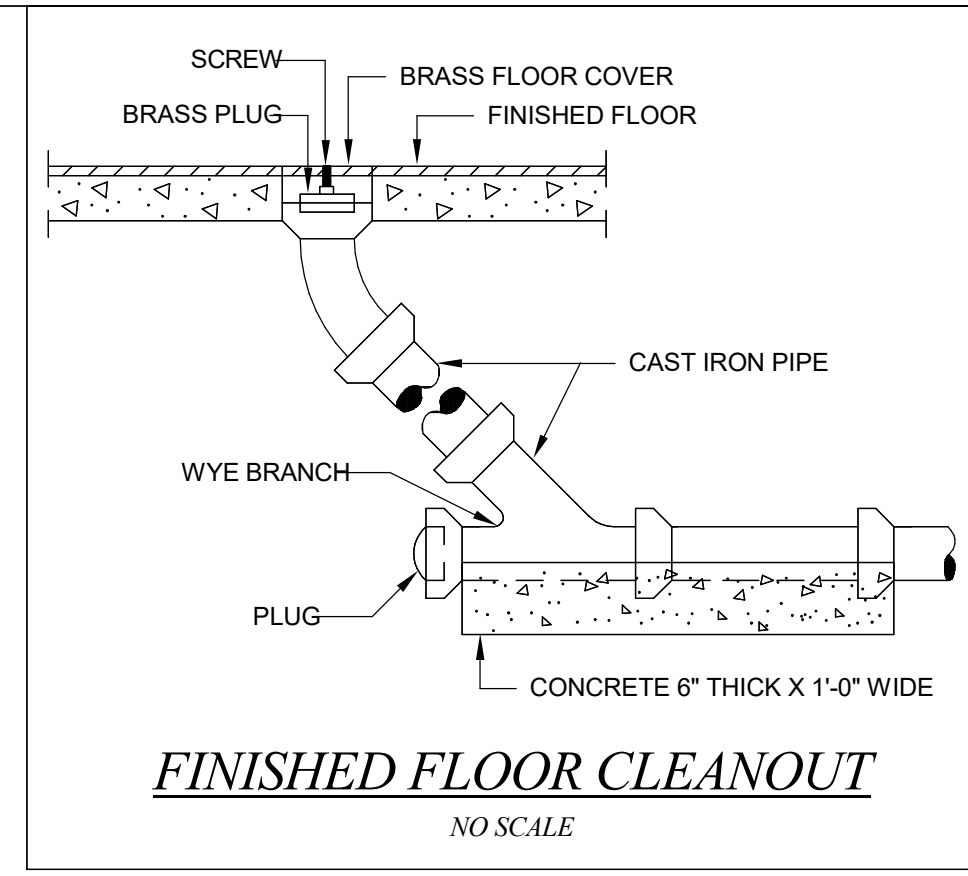
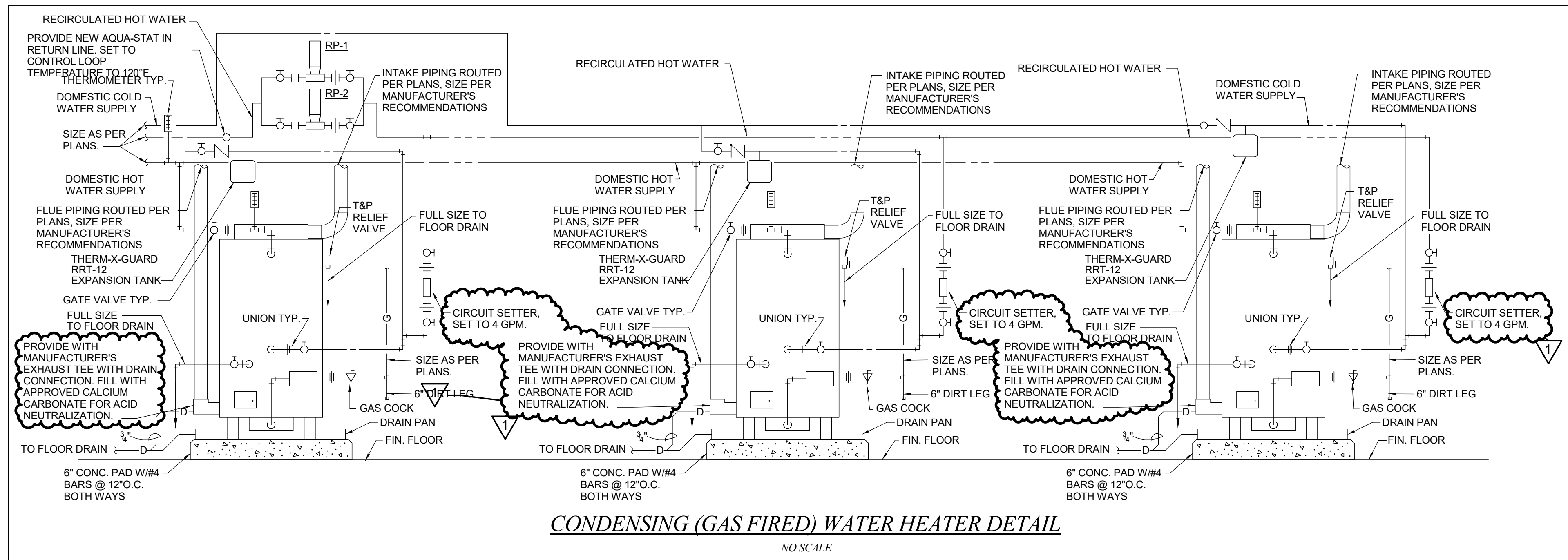
**FIRST FLOOR PLAN - PRESSURE**

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**PLUMBING LEGEND**

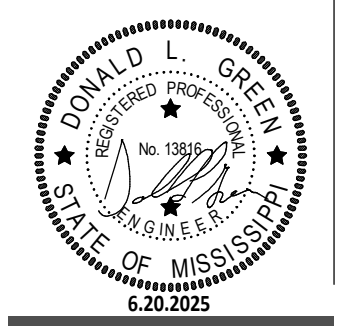
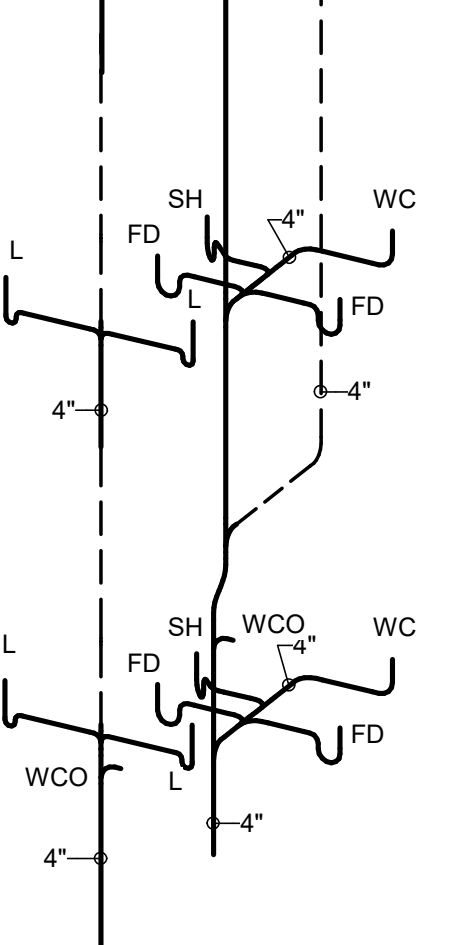
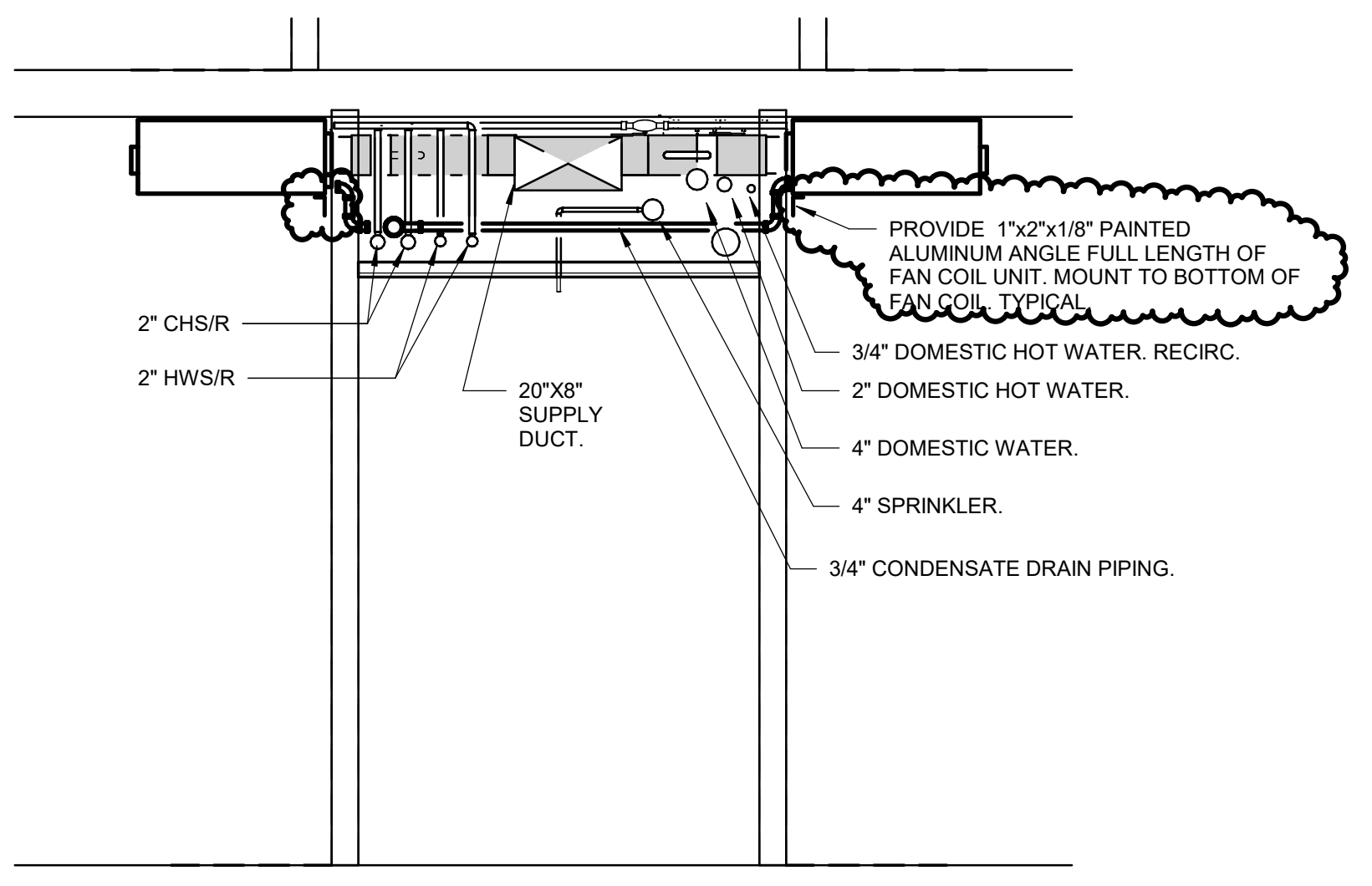
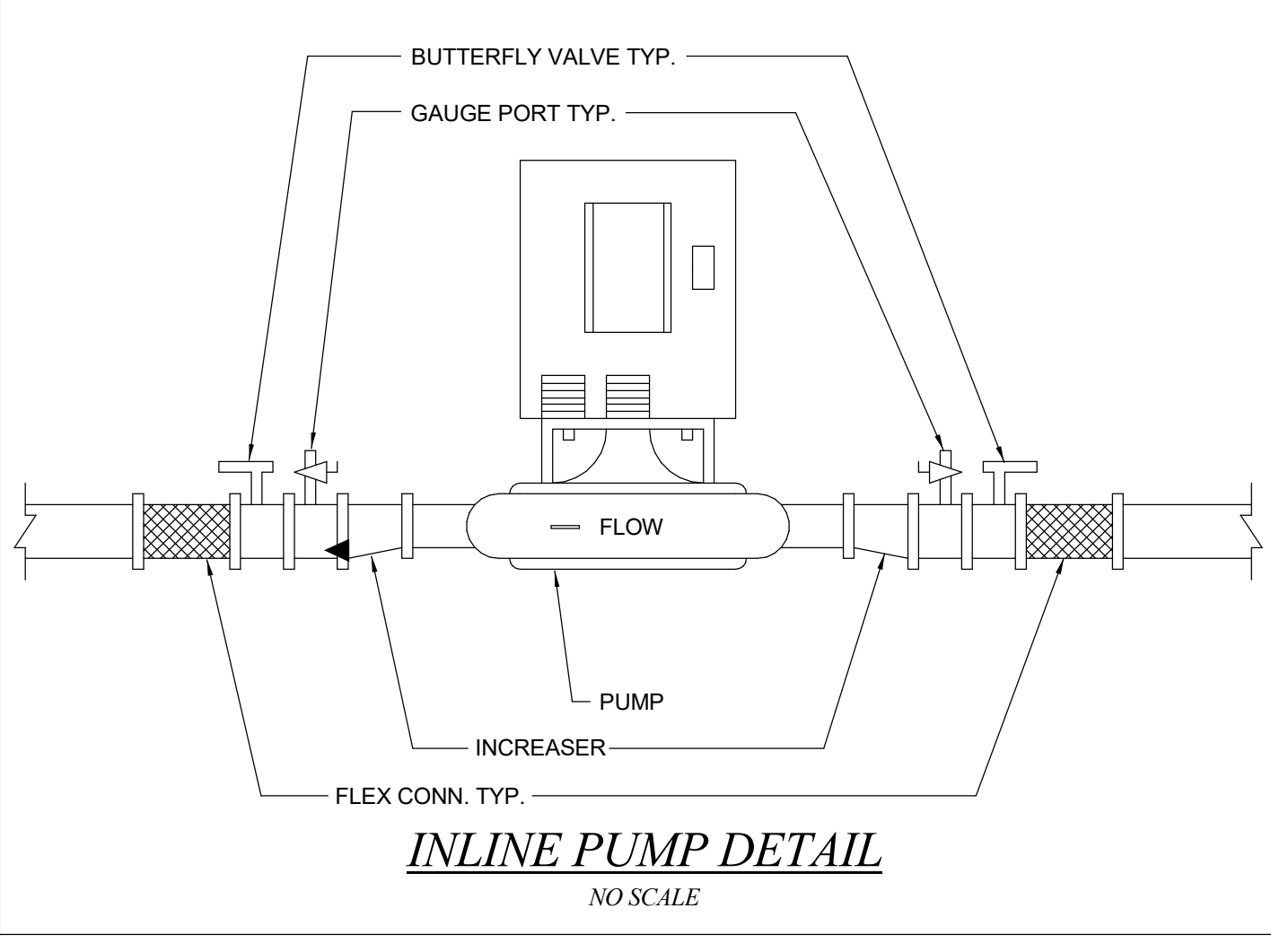
SYMBOL/DESIGNATION	DESCRIPTION
RL	EXISTING RAIN LEADER PIPING
SS	EXISTING SANITARY WASTE PIPING
F	EXISTING SANITARY VENT PIPING
G	EXISTING FIRE PROTECTION WATER PIPING
MPG	EXISTING MEDIUM PRESSURE GAS PIPING
D	EXISTING POTABLE COLD WATER PIPING
SIL	EXISTING POTABLE HOT WATER RETURN PIPING
HWS	EXISTING CONDENSATE DRAIN PIPING
HWR	EXISTING REFRIGERANT SUCTION AND LIQUID PIPING
CWS	EXISTING HEATING WATER SUPPLY PIPING
CWR	EXISTING HEATING WATER RETURN PIPING
F	EXISTING CHILLED WATER SUPPLY PIPING
F	EXISTING CHILLED WATER RETURN PIPING
MPG	NEW FIRE PROTECTION WATER PIPING
G	NEW MEDIUM PRESSURE GAS PIPING
S	NEW LOW PRESSURE GAS PIPING
RL	NEW SITE STORM DRAIN PIPING
SS	NEW SANITARY VENT PIPING
F	NEW SANITARY WASTE PIPING
D	NEW POTABLE COLD WATER PIPING
D	NEW POTABLE HOT WATER PIPING (120°F)
D	NEW POTABLE RECIRCULATING HOT WATER PIPING (120°F)
D	NEW CONDENSATE DRAIN PIPING
SIL	NEW REFRIGERANT SUCTION AND LIQUID PIPING
HWS	NEW HEATING WATER SUPPLY PIPING
HWR	NEW HEATING WATER RETURN PIPING
CHS	NEW CHILLED WATER SUPPLY PIPING
CHR	NEW CHILLED WATER RETURN PIPING
●	FULL PORT BALL VALVE (LEAD FREE)
○	GAS COCK
○	UNION
○	CHECK VALVE
○	TYPICAL FINISHED GRADE CLEANOUT
○	PRESSURE REDUCING VALVE
○	BUTTERFLY VALVE
○	AUTOMATIC CONTROL VALVE (2-WAY)
○	AUTOMATIC CONTROL VALVE (3-WAY)
○	SOLENOID VALVE
○	HOSE BIBB
○	WALL CLEANOUT
○	POINT OF CONNECTION TO EXISTING
●	NEW SANITARY SEWER MANHOLE
○	TYPICAL NATURAL GAS REGULATOR AND/OR METER
○	NEW POST INDICATOR VALVE
○	NEW POST TYPE FIRE DEPARTMENT CONNECTION 6" x 2-1/2" x 2-1/2" x 2-1/2"
○	THRUST BLOCKING
○	BACKFLOW PREVENTER
FD	FLOOR DRAIN
FS	FLOOR SINK
HW	HOT WATER
CW	COLD WATER
W	WASTE
V	VENT
A/C	ABOVE CEILING
B/S	BELOW SLAB
B/F	BELOW FLOOR
A/G	ABOVE FINISHED GRADE
B/G	BELOW FINISHED GRADE
I/W	IN WALL
DN	DOWN
FFCO	FINISHED FLOOR CLEANOUT
FGCO	FINISHED GRADE CLEANOUT
AFFCO	ACID WASTE FINISHED FLOOR CLEANOUT
AFGCO	ACID WASTE FINISHED GRADE CLEANOUT
VTR	VENT THRU ROOF
AFF	ABOVE FINISHED FLOOR
CO	CLEANOUT
RD	ROOF DRAIN



**PLUMBING FIXTURES**

MARK	DESCRIPTION	TRAP	WASTE	VENT	PIPE SIZE	REMARKS
WC-1	WATER CLOSET	INT.	4"	4"	4"	FLOOR MTD / FLUSH VALVE
WC-2	WATER CLOSET	INT.	4"	4"	1"	FLOOR MTD / FLUSH VALVE / ADA
L-1	LAVATORY	1-1/4"	2"	2"	1/2" 1/2"	COUNTER MOUNTED
L-1	LAVATORY	1-1/4"	2"	2"	1/2" 1/2"	WALL HUNG
S-1	SINK	1-1/4"	2"	2"	1/2" 1/2"	SINGLE COMPARTMENT S.S.
SS-1	SERVICE SINK	3"	3"	2"	3/4" 3/4"	FLOOR MOUNTED TERRAZZO SERVICE SINK
SH-1	SHOWER	1-1/4"	2"	2"	1/2" 1/2"	SHOWER VALVE/HEAD AND ACCESSORIES
SH-1	SHOWER	1-1/4"	2"	2"	1/2" 1/2"	SHOWER VALVE/HEAD AND ACCESSORIES / ADA
FD-1	FLOOR DRAIN	3"	3"	2"	1/2"	WITH TRAP PRIMER
FD-2	FLOOR DRAIN	3"	3"	2"	1/2"	WITH DEEP SEAL TRAP AND TRAP GUARD
WMB-1	WASHING MACHINE BOX	3"	3"	2"	3/4" 3/4"	RECESSED WALL BOX
IMB-1	ICE MAKER BOX	---	---	---	1/2"	RECESSED WALL BOX
HB-1	HOSE BIBB	---	---	---	3/4"	NON FREEZE - LOCKING
BF-1	BOTTLE FILLER	1-1/4"	2"	2"	3/4"	REFRIGERATED/ RECESSED MOUNTED

NOTES:  
 • PROVIDE WATER HAMMER ARRESTORS ATOP ALL DOMESTIC WATER RISERS AT EACH FIXTURE.  
 • COORDINATE ROUGH IN HEIGHTS AND FIXTURE LOCATIONS WITH ARCHITECTURAL DRAWINGS



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SHEET **P301**

**PLUMBING LEGENDS AND DETAILS**

DATE: 6.20.2025  
 SZZARCH#: 2414  
 DRAWN BY: TEG  
 CHECKED BY: TEG

REVISIONS:  
 ADDENDUM #2 8-27-25

TELE/DATA

- DATA OUTLET AT CEILING FOR WIRELESS ACCESS POINT.
DATA OUTLET, 2 DATA CONNECTION.
TELEPHONE OUTLET, 1 VOICE CONNECTION.
WALL TELEPHONE WITH CONDUIT, TO ABOVE ACCESSIBLE CEILING U.O.N. 1 VOICE CONNECTION. TO BE MOUNTED AT 4'-6" AFF
VOICE/DATA OUTLET WITH CONDUIT STUBBED ABOVE ACCESSIBLE CEILING U.O.N.
ABOVE COUNTER VOICE/DATA OUTLET WITH CONDUIT STUBBED ABOVE ACCESSIBLE CEILING U.O.N.
VOICE/DATA OUTLET WITH FLEXIBLE FURNITURE CONNECTION AND CONDUIT STUBBED ABOVE ACCESSIBLE CEILING U.O.N.
EMERGENCY PHONE
WALL MOUNTED DATA RACK/CABINET
FLOOR MOUNTED DATA RACK/CABINET
BACKBOARD, 4'X8'X3/4" PLYWOOD WITH 2 COATS OF FIRE RETARDENT BLUE ENAMEL PAINT. PROVIDE #6-3/4" TO GROUNDING ELECTRODE SYSTEM.
CONDUIT WITH NYLON FISH CORD
CONDUIT WITH NYLON FISH CORD AND BUSHINGS TO NEAREST V/D PATHWAY.

TELE/DATA CONDUIT SIZING CHART
TOTAL NUMBER OF CABLES | CONDUIT SIZE
1-4 | 1"
5-12 | 1 1/4"

NOTES

- CONDUIT SIZES ARE BASED ON NEC 40% FILL CAPACITY WITH ALL CABLES HAVING AN OUTSIDE DIAMETER OF 0.25".
#V AND #D DENOTE THE NUMBER OF VOICE AND DATA CABLES RESPECTIVELY.
PROVIDE 2 GANG BOX WITH 1 GANG PLASTER RING FOR ALL OUTLETS.

FIRE ALARM

DETECTION / INITIATION

- DUCT SMOKE DETECTOR WITH REMOTE LED INDICATOR WHERE REQUIRED. 'R' - RETURN, 'S' - SUPPLY
FIRE ALARM FLOW SWITCH
FIRE ALARM TAMPER SWITCH
FLAME DETECTOR - FLAME
HEAT DETECTOR
COMBINATION CARBON MONOXIDE/SMOKE DETECTOR WITH LOW FREQUENCY SOUNDER
SMOKE DETECTOR
CARBON MONOXIDE
FIRE ALARM PULL BOX

CONTROLS AND SUPERVISORY

- RELAY
CONTROL MODULE WITH RELAY
MONITOR MODULE

PANELS

- CONTROL PANEL - BASIC SHAPE
CONTROL PANEL FOR HVAC EQUIPMENT
FIRE ALARM ANNUNCIATOR
FIRE ALARM CONTROL PANEL SURFACE OR FLUSH MOUNTED. (AS SHOWN ON PLANS).
FIRE ALARM NAC

NOTIFICATION

- FIRE ALARM CHIME
FIRE ALARM CHIME - STROBE
FIRE ALARM DOOR HOLDER
FIRE ALARM MINI HORN
FIRE ALARM SPEAKER - WALL
FIRE ALARM SPEAKER - CEILING
FIRE ALARM STROBE
FIRE ALARM HORN - STROBE
FIRE ALARM - COMBINATION SPEAKER AND STROBE.
FIRE ALARM STROBE - CEILING
FIRE ALARM HORN - STROBE - CEILING
FIRE ALARM - COMBINATION SPEAKER AND STROBE - CEILING
FIREMAN PHONE
REMOTE MIC FOR EVACUATION
REMOTE TEST SWITCH
REMOTE LED INDICATOR

SECURITY

- CARD READER
CCTV CAMERA - CEILING
CCTV CAMERA - WALL
DOOR BUZZER
DOOR CONTACT
ELECTRIC DOOR LOCK-HINGE OR MOTORIZED BOLT
ELECTRIC DOOR MOTOR LOCK
ELECTRIC DOOR STRIKE
PUSH BUTTON
KEYPAD
MOTION DETECTOR
SECURITY CONTROL PANEL

PANELBOARDS

- LIGHTING & APPLIANCE ELECTRICAL PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS.
POWER DISTRIBUTION ELECTRICAL PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS.
ELECTRICAL SWITCHBOARD OR SWITCHGEAR: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS.

RECEPTACLES

- WALL MOUNTED
DUPLEX RECEPTACLE - NEMA 5-20R
RECEPTACLE - MTD ABOVE COUNTER - NEMA 5-20R
GROUND FAULT RECEPTACLE - NEMA 5-20R GF
GROUND FAULT RECEPTACLE - MTD ABOVE COUNTER - NEMA 5-20R GF
WEATHER PROOF RECEPTACLE - NEMA 5-20R GFCI W/ WET LOCATION COVER
QUADRUPLEX GROUND FAULT RECEPTACLE - NEMA 5-20R GF
QUADRUPLEX GROUND FAULT RECEPTACLE - MTD ABOVE COUNTER - NEMA 5-20R GF
QUADRUPLEX RECEPTACLE - NEMA 5-20R
QUADRUPLEX RECEPTACLE - MTD ABOVE COUNTER - NEMA 5-20R
SIMPLEX RECEPTACLE - NEMA 5-20R
SIMPLEX RECEPTACLE - NEMA 5-20R, DEDICATED SERVICE/CIRCUIT
SINGLE RECEPTACLE - EQUIPMENT CONNECTION OR PROVISION
SINGLE RECEPTACLE - SPECIAL PURPOSE
SINGLE RECEPTACLE - A=NEMA 5-30R; B=NEMA 6-30R; C=NEMA 14-30R
SINGLE RECEPTACLE - A=NEMA 5-50R; B=NEMA 6-50R; C=NEMA 14-50R
MULTI-SERVICE WALL RECEPTACLE
DUPLEX RECEPTACLE - NEMA 5-20R WITH TWO FULL OUTPUT USB PORTS (1) TYPE A, (1) TYPE C
SINGLE RECEPTACLE - TWISTLOCK, AS SPECIFIED.

POWER

- FAN / FAN-COIL UNIT
PACKAGED AIR CONDITIONING UNIT
ELECTRIC DUCT HEATER
UNIT HEATER WITH FAN
ELECTRIC BASEBOARD HEATER
ELECTRIC CABINET HEATER
MAGNETIC MOTOR STARTER
COMBINATION MAGNETIC STARTER & DISCONNECT SWITCH
RELAY
ELECTRIC MOTOR
DISCONNECT SWITCH, UNFUSED, 30A, 3P UNLESS OTHERWISE NOTED.
DISCONNECT SWITCH, FUSED, 30A, 3P UNLESS OTHERWISE NOTED.
TIME CLOCK SWITCH
VARIABLE SPEED / VARIABLE FREQUENCY DRIVE
CONTACTOR
CIRCUIT BREAKER, INDIVIDUALLY ENCLOSED
CONTROL PANEL
METER (WITH SOCKET ASSEMBLY)
TRANSFORMER, GENERAL PURPOSE DRY-TYPE, REFER TO SCHEDULE
ABORT SWITCH - EMERGENCY POWER OFF

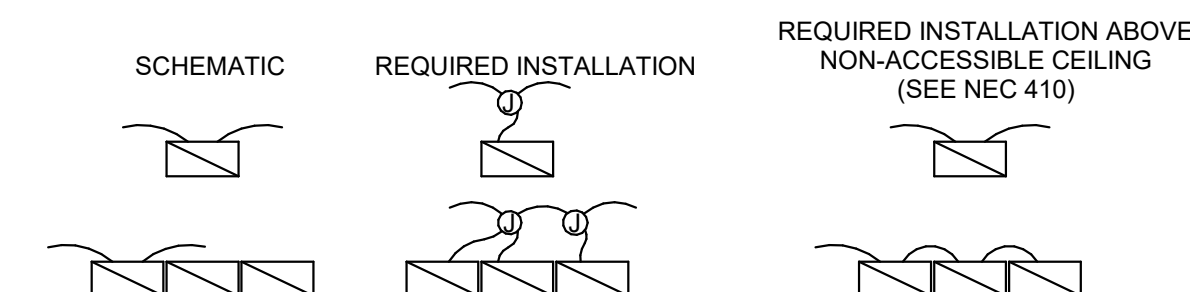
JUNCTION & OUTLET BOXES

- JUNCTION BOX - CEILING MOUNTED
VOICE/DATA JUNCTION BOX - CEILING MOUNTED
JUNCTION BOX - FLOOR MOUNTED
JUNCTION BOX - WALL MOUNTED
OUTLET BOX - WALL MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT
OUTLET BOX - WALL MOUNTED, VOICE/DATA WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT
OUTLET BOX - FLOOR MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT

BRANCH CIRCUITS

- CONCEALED IN CEILING, WALL, OR IN CEILING SLAB.
CONCEALED IN OR BELOW FLOOR OR UNDERGROUND.
EXPOSED.
EMERGENCY.
EMPTY CONDUIT, 3/4" UNLESS OTHERWISE NOTED WITH NYLON PULL CORD.
CONDUIT SEAL FITTING.
HOMERUN TO PANELBOARD AND 20A, 1P BREAKER, UON.
NOTE: SHOWN 2#12 AND 1#12(G)-3/4"
3#12 AND 1#12(G)-3/4"
4#12 AND 1#12(G)-3/4"
2#10 AND 1#10(G)-3/4"
-10 --- 3#10 AND 1#10(G)-3/4"
SIZE CONDUIT PER NEC FOR GREATER NUMBER OF CONDUCTORS OR AS NOTED. THE NUMBER IN THE CIRCUIT INDICATES AWG WIRE SIZE AND HASHMARKS INDICATE NUMBER OF WIRES REQUIRED. GROUND WIRE SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250-122. NUMBER OF HASHMARKS DO NOT INCLUDE GROUND WIRE.

- RISER: UP, RUNNING TO SOURCE.
RISER: DOWN, RUNNING TO SOURCE.
BRANCH CIRCUIT WIRING FOR LIGHTING IS SHOWN SCHEMATICALLY. EACH LUMINAIRE IS TO BE INSTALLED WITH AN INDIVIDUAL FLEXIBLE CONNECTION. FOR EXAMPLE:



LIGHTING (SEE LUMINAIRE SCHEDULE)

- CEILING-RECESSED
RECESSED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN
RECESSED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN, LIFE SAFETY EMERGENCY EGRESS LIGHTING.
RECESSED LUMINAIRE
RECESSED LUMINAIRE. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
RECESSED WALL WASHER
RECESSED WALL WASHER. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
CEILING-SURFACE/PENDANT
SURFACE OR STEM MOUNTED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN.
SURFACE OR STEM MOUNTED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN, CONNECTED TO LIFE SAFETY EMERGENCY POWER SYSTEM.
SURFACE OR PENDANT MOUNTED LUMINAIRE
SURFACE OR PENDANT MOUNTED LUMINAIRE. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
SURFACE MOUNTED WALL WASHING LUMINAIRE
SURFACE MOUNTED WALL WASHING LUMINAIRE. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
SURFACE OR STEM MOUNTED STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN.
SURFACE OR STEM MOUNTED STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN, LIFE SAFETY EMERGENCY EGRESS LIGHTING.
TRACK LIGHT WITH TRACK LENGTH AS NOTED OR SCHEDULED
CEILING FAN
EXIT SIGN - CEILING MOUNTED, SINGLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
EXIT SIGN - CEILING MOUNTED WITH EMERGENCY EGRESS LIGHT, SINGLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
EXIT SIGN - CEILING MOUNTED, DOUBLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
WALL
WALL MOUNTED SCONCE LUMINAIRE AS SCHEDULED
WALL MOUNTED SCONCE LUMINAIRE LIFE SAFETY EMERGENCY EGRESS LIGHTING, AS SCHEDULED
WALL MOUNTED BRACKET, LINEAR OR STRIP LUMINAIRE
WALL MOUNTED BRACKET, LINEAR OR STRIP LUMINAIRE - LIFE SAFETY EMERGENCY EGRESS LIGHTING.
EXIT SIGN - BACK MOUNTED, SINGLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
EXIT SIGN - BACK MOUNTED WITH EMERGENCY EGRESS LIGHT, SINGLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
EXIT SIGN - END MOUNTED, DOUBLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
EMERGENCY EGRESS LIGHT.

LIGHTING - EXTERIOR

- BOLLARD
GROUND MOUNTED SPOT, FLOOD OR WELL LIGHT
POLE-ARM MOUNTED AREA LIGHT
POLE-TOP MOUNTED AREA LIGHT
WALL MOUNTED FLOOD OR AREA LIGHT

SWITCHES

- SINGLE POLE SWITCH, 20A, 125/277V.
THREE WAY SWITCH, 20A, 125/277V.
FOUR WAY SWITCH, 20A, 125/277V.
LOW VOLTAGE DIMMING SWITCH - "ON/OFF/RAISE-LOWER"
LOW VOLTAGE SWITCH - TWO BUTTON "ON/OFF"
MOTOR RATED SWITCH, 20A RATED UNLESS OTHERWISE NOTED. NUMERIC SUBSCRIPT INDICATES # OF POLES. 125/250/277/600V RATED.
MOMENTARY PUSHBUTTON, 2-HOUR TIMED OVERRIDE
VACANCY SENSOR, WALL MTD (MANUAL ON / AUTO OFF), SUBSCRIPT 'D' INDICATES DIMMING.
OCCUPANCY SENSOR, WALL MTD (AUTO ON / AUTO OFF), SUBSCRIPT 'D' INDICATES DIMMING.
VACANCY SENSOR, CEILING MTD (MANUAL ON / AUTO OFF)
OCCUPANCY SENSOR, CEILING MTD (AUTO ON / AUTO OFF)
DAYLIGHT SENSOR, CEILING MTD
PHOTO-ELECTRIC / PHOTOCELL SWITCH
LIGHTING CONTROL MODULE.
LIGHTING CONTROL MODULE - EMERGENCY BYPASS, UL 924 LISTED.
RECEPTACLE CONTROL MODULE.
LIGHTING CONTROL PANEL, SURFACE MOUNTED / FLUSH MOUNTED AS SHOWN.

POWER AND AUXILIARY - FLOOR OUTLETS
POUR IN PLACE (FLUSH UNLESS OTHERWISE NOTED)
MULTI-SERVICE W/ NEMA 5-20R DUPLEX RECEPTACLE & VOICE/DATA OUTLETS (2) DUPLEX RECEPTACLES, (2) BLANK COVERS
LEGRAND EFB45S-OG - (2) SP8W, (2) SP13W-BLANK
FLUSH SOLID LID - EFB45BTGY - CONFIRM COLOR WITH ARCHITECT PRIOR TO ORDERING
NOTES:
1. VERIFY LOCATION OF EQUIPMENT PRIOR TO ROUGH-IN.
2. PROVIDE EXTERNAL KNOCKOUT PLATES, VOLTAGE DIVIDERS, AND CONDUIT ADAPTERS AS REQUIRED FOR CONDUIT ROUGH-IN AS IT PERTAINS TO THE DEVICES' COMPARTMENT ORDER

ELECTRICAL NOTES

- THESE DRAWINGS ARE A PART OF A COMPLETE SET OF ARCHITECTURAL/ENGINEERING CONTRACT DOCUMENTS. ELECTRICAL CONTRACTOR SHOULD REFER TO THE ARCHITECTURAL DRAWINGS FOR ACTUAL LOCATION OF ITEMS WHERE SPECIFIED. SEE SAID CONFIGURATIONS FOR WALL DEFINITIONS, ELEVATIONS, CASEWORK, REFLECTED CEILING PLAN, ETC. ROUGH-IN INSTALLATIONS WHICH ARE NOT LOCATED ACCORDING TO THE ARCHITECTURAL ELEVATIONS SHALL BE RELOCATED AT NO ADDITIONAL COST.
CEILING CLEARANCES ARE CRITICAL FOR THIS PROJECT. GENERAL CONTRACTOR MUST COORDINATE ALL TRADES TO AVOID POTENTIAL INTERFERENCES. CONFLICTS BETWEEN TRADES SHALL BE REFERRED TO THE ARCHITECT FOR RESOLUTION.
ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NEC AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
ALL SYMBOLS SHOWN ON THIS LEGEND MAY NOT BE USED.
ALL PANELBOARDS ARE 30 4W UNLESS OTHERWISE NOTED.
ALL BRANCH CIRCUIT CONDUIT SHALL BE 3/4" CONDUIT MINIMUM PER SPECIFICATIONS.
ALL CIRCUITS SHOWN CONCEALED SHALL BE RUN IN FURRED CEILING SPACES AND SHALL BE CONCEALED IN CONCRETE SLAB ONLY WHEN NO FURRED CEILING SPACE IS PROVIDED.
ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
ALL OUTLET BOXES MOUNTED BACK-TO-BACK IN WALLS SHALL HAVE SOUND INSULATING MATERIAL INSTALLED BETWEEN THE BOXES TO PREVENT SOUND TRANSMISSION FROM ONE ROOM TO THE OTHER.
ALL FLUSH MOUNTED PANELS SHALL HAVE 3-1" EMPTY CONDUITS STUBBED OUT ABOVE CEILING FOR FUTURE CIRCUITS.
ALL WALL OUTLETS NOT PROVIDED WITH A DEVICE BY THIS CONTRACTOR SHALL BE PROVIDED WITH BLANK WALL PLATES.
ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN COVERED GROUND WIRE SIZED PER NEC OR AS SHOWN. CONNECT TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANELBOARD GROUND BUS. MULTIPLE WIRE BRANCH CIRCUITS WITH COMMON NEUTRAL REQUIRE ONLY ONE GROUND WIRE. NUMBER OF WIRES SHOWN ON DRAWINGS DOES NOT INCLUDE GROUND WIRE.
FINAL EQUIPMENT CONNECTIONS - THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR & MATERIAL TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR AND/OR EQUIPMENT FURNISHED BY OTHERS. VERIFY ALL REQUIREMENTS, CONDUCTOR SIZE, OVERCURRENT PROTECTION, PHASE, VOLTAGE, MOTOR ROTATION, ETC., WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE FUSED DISCONNECT IF REQUIRED BY MANUFACTURER.
FURNISH & INSTALL FIRE ALARM SYSTEM WHICH CONFORMS TO ALL NATIONAL, STATE, & LOCAL CODES. PROVIDE ADDITIONAL DEVICES AS REQUIRED. PROVIDE TO ARCHITECT A COMPLETE SET OF MANUFACTURER'S SYSTEM INSTALLATION PLANS INCLUDING RISER DIAGRAM, CONDUIT & WIRING, INTERCONNECTION DIAGRAMS, DEVICE LOCATIONS AND ALL REQUIRED CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS. PROVIDE CONDUIT & WIRING AS DIRECTED BY SYSTEM SUPPLIER. FIRE ALARM CONTRACTOR TO HOLD A CURRENT LICENSE TO CONDUCT BUSINESS ISSUED BY THE STATES FIRE MARSHAL'S OFFICE.
CONTRACTOR SHALL PROVIDE WARNING LABELS COMPLYING WITH NEC ARTICLE 110.16 ON NEW ELECTRICAL EQUIPMENT OR EXISTING EQUIPMENT THAT IS MODIFIED.
CONDUCTOR SIZES INDICATED ON THE DRAWINGS INCLUDE AMBIENT TEMPERATURE AND VOLTAGE DROP COMPENSATIONS. VOLTAGE DROP COMPENSATION IS UP TO 200' FOR 120/208V CIRCUITS AN 400' FOR 277/480V CIRCUITS. ADJUST CONDUCTOR SIZE TO LIMIT BRANCH CIRCUIT VOLTAGE DROP TO 3% IF INSTALLED FIELD LENGTHS ARE GREATER.
CONTRACTOR SHALL LABEL ALL PANELS WITH AVAILABLE FAULT CURRENT IN ACCORDANCE WITH NEC.
CONTRACTOR SHALL LABEL ELECTRICAL PANELBOARDS TO INDICATE THE DEVICE OR EQUIPMENT WHERE FEEDER ORIGINATES IN ACCORDANCE WITH NEC 408.4(B).
ALL BREAKERS IN SWITCHBOARD AND PANELBOARDS SHALL BE FULLY RATED. SERIES RATING IS NOT ALLOWED, UNLESS SPECIFICALLY NOTED.
FOR ALL CONDUITS PASSING THROUGH RATED WALLS: PROVIDE FIRESTOPPING FOR RACEWAYS PENETRATING THROUGH RATED WALLS IN ACCORDANCE WITH NEC 300.21. PROVIDE ACCORDINGLY TO MAINTAIN FLOOR AND/OR WALL FIRE ASSEMBLY DESIGN AS INDICATED ON THE ARCHITECTURAL DRAWINGS AND AS REQUIRED.

APPLICABLE CODES:

- INTERNATIONAL EXISTING BUILDING CODE 2024
INTERNATIONAL BUILDING CODE 2024
NATIONAL ELECTRICAL CODE (NFPA 70) - 2023
NATIONAL FIRE ALARM AND SIGNALING CODE (NFPA 72) - 2022
LIFE SAFETY CODE (NFPA 101) 2024
INTERNATIONAL ENERGY CONSERVATION CODE 2024
AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS FOR ACCESSIBLE DESIGN

ABBREVIATIONS

Table with 4 columns: Abbreviation, Description, Abbreviation, Description. Includes terms like A (AMPERES), MB (MAIN BREAKER), MLO (MAIN LUGS ONLY), MV (MEDIUM VOLTAGE), N (NEUTRAL), NEC (NATIONAL ELECTRICAL CODE), NFPA (NATIONAL FIRE PROTECTION ASSOCIATION), NIC (NOT IN CONTRACT), NL (NIGHT LIGHT), OC (ON CENTER), OFCI (OWNER FURNISHED, CONTRACTOR INSTALLED), OFOI (OWNER FURNISHED, OWNER INSTALLED), P (POLES), PF (POWER FACTOR), PH (PHASES), PWC (POLYVINYL CHLORIDE RACEWAY), RELT (REDUCED ENERGY LET THROUGH AS REQUIRED BY NEC 240.87), RGS (RIGID GALVANIZED STEEL), SPD (SURGE PROTECTIVE DEVICE), TBB (TELEPHONE BACKBOARD), TMGB (TELECOMMUNICATIONS MAIN GROUND BUS), TR (TAMPER RESISTANT), TX (TRANSFORMER), TYP (TYPICAL), UON (UNLESS OTHERWISE NOTED), V (VOLTS), W (WIRES), WP (WEATHERPROOF, NEMA 3R), EX (EXISTING TO REMAIN), XR (EXISTING, REMOVE & RELOCATE), XRL (EXISTING, RELOCATED), XRB (EXISTING, REMOVE DEVICE AND INSTALL BLANK COVER), XRP (EXISTING, REMOVE AND REPLACE W/ NEW)

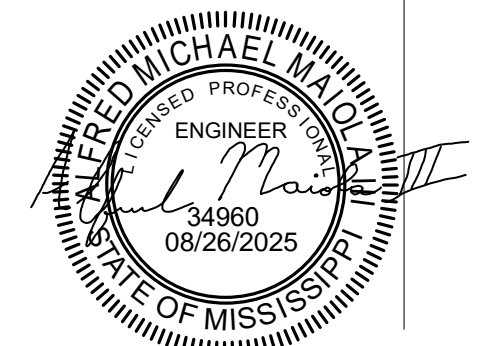
DRAWING CONVENTIONS

- NEW WORK
EXISTING TO REMAIN
EXISTING TO REMOVE

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Mississippi University for Women



SHAHER ZAHNER ZAHNER

OFFICE OF ARCHITECTURE
510 UNIVERSITY DRIVE
STARKVILLE, MISSISSIPPI 39759
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SHEET E001

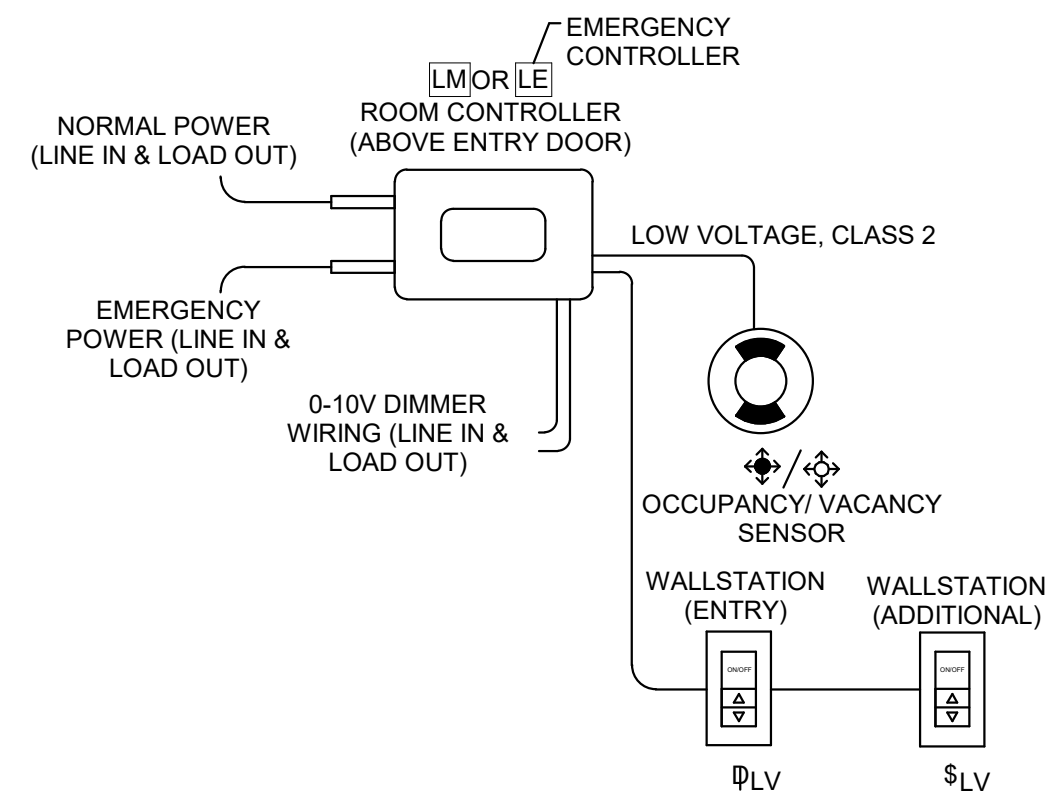
ELECTRICAL LEGEND AND NOTES

DATE: 6.20.2025
SZZARCH#: 2414
DRAWN BY: GJC
CHECKED BY: AMM

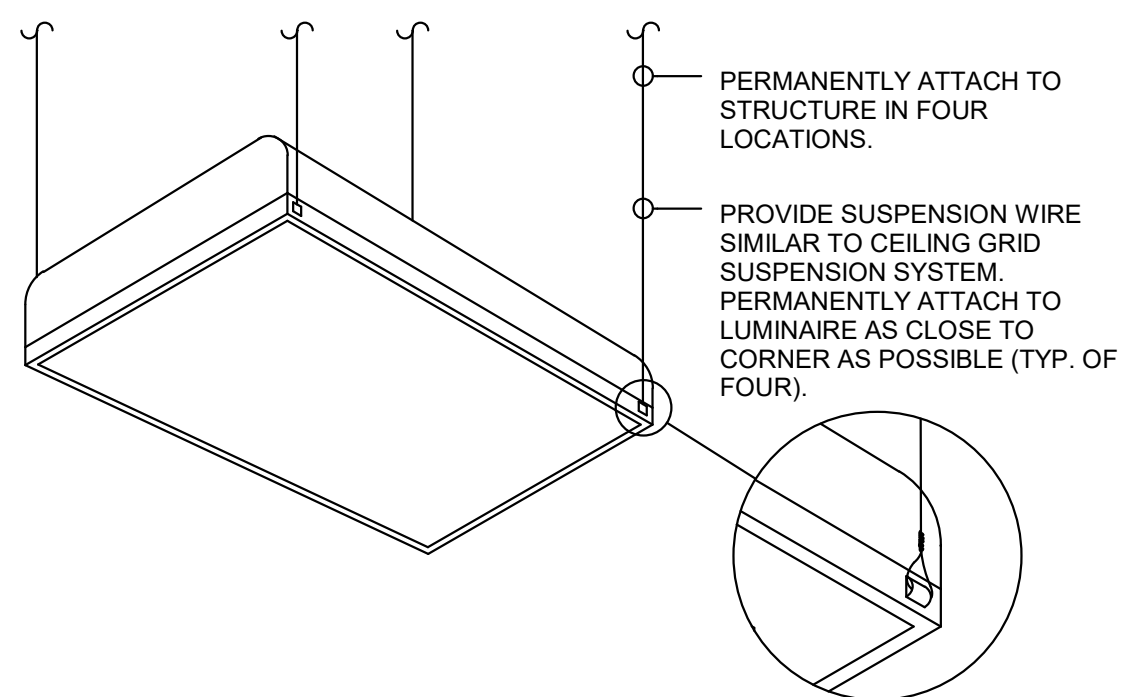
REVISIONS:
1 8/27/2025 Addendum #2

**NOTES:**

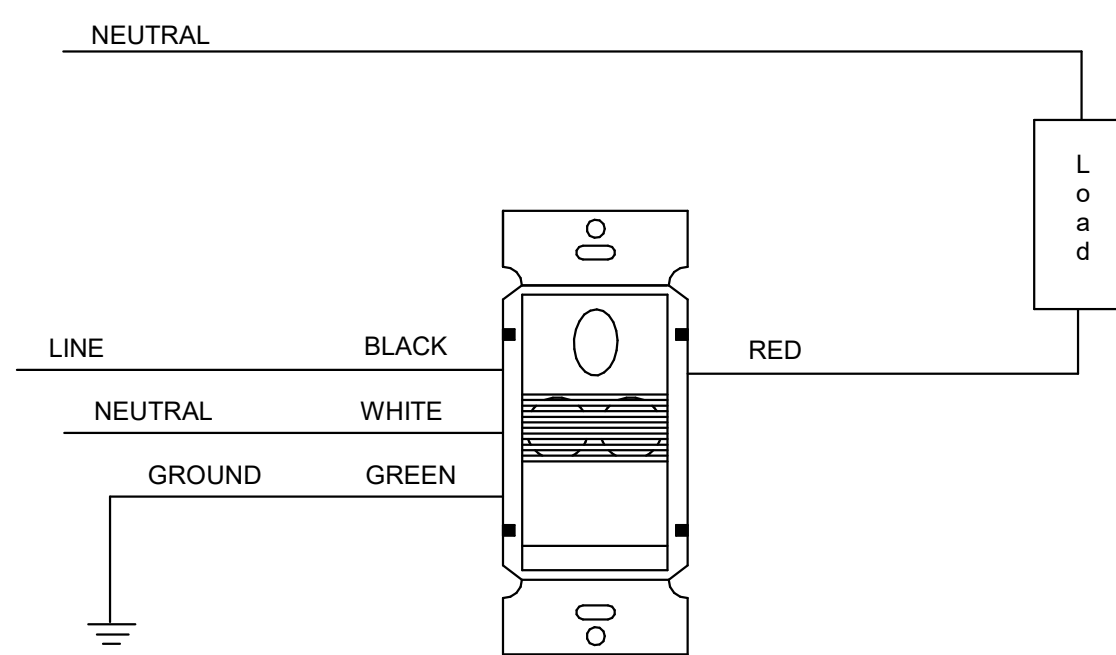
- DETAIL IS DIAGRAMMATIC. COORDINATE WITH LIGHTING CONTROLS MANUFACTURER AND PROVIDE ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATIONAL SYSTEM THAT MEETS THE INTENT OF THE CONTROL SCHEME. WHERE EMERGENCY AND NORMAL ROOM CONTROLLERS ARE SHOWN IN THE SAME ROOM AND/OR CONTROLLING THE SAME ZONES, COORDINATE WITH LIGHTING CONTROLS MANUFACTURER TO PROVIDE A LIGHTING CONTROL SYSTEM WHICH MEETS THE INTENT OF THE CONTROL SCHEME. IT IS PERMITTED TO HAVE ONE (1) ROOM CONTROLLER AS A SYSTEM OR MULTIPLE ROOM CONTROLLERS WORKING AS A SYSTEM WHICH MEETS THE INTENT.
- ALL LOW VOLTAGE WIRES AND ABOVE CEILING ON CONTROLLERS SHALL BE PLENUM RATED.
- ALL SWITCHES SHOULD HAVE CLEAR LABELING INDICATING FUNCTION AND FIXTURE CONTROL WHERE THERE ARE MULTIPLE ZONES. EXAMPLES OF THESE ARE "ON", "OFF", ARROW DOWN FOR DIMMING, ETC. EXAMPLES OF MULTIPLE ZONES WOULD BE CLASSROOM GENERAL LIGHTING AND CLASSROOMS BOARDS. THESE LABELS SHALL BE FACTORY PRINTED ON THE SWITCHES. A FIELD APPLIED LABEL WILL NOT BE ACCEPTABLE.



**3 ROOM CONTROLLER TYPICAL WIRING DIAGRAM**  
NOT TO SCALE



**4 TROFFER MOUNTING DIAGRAM**  
12" = 1'-0"

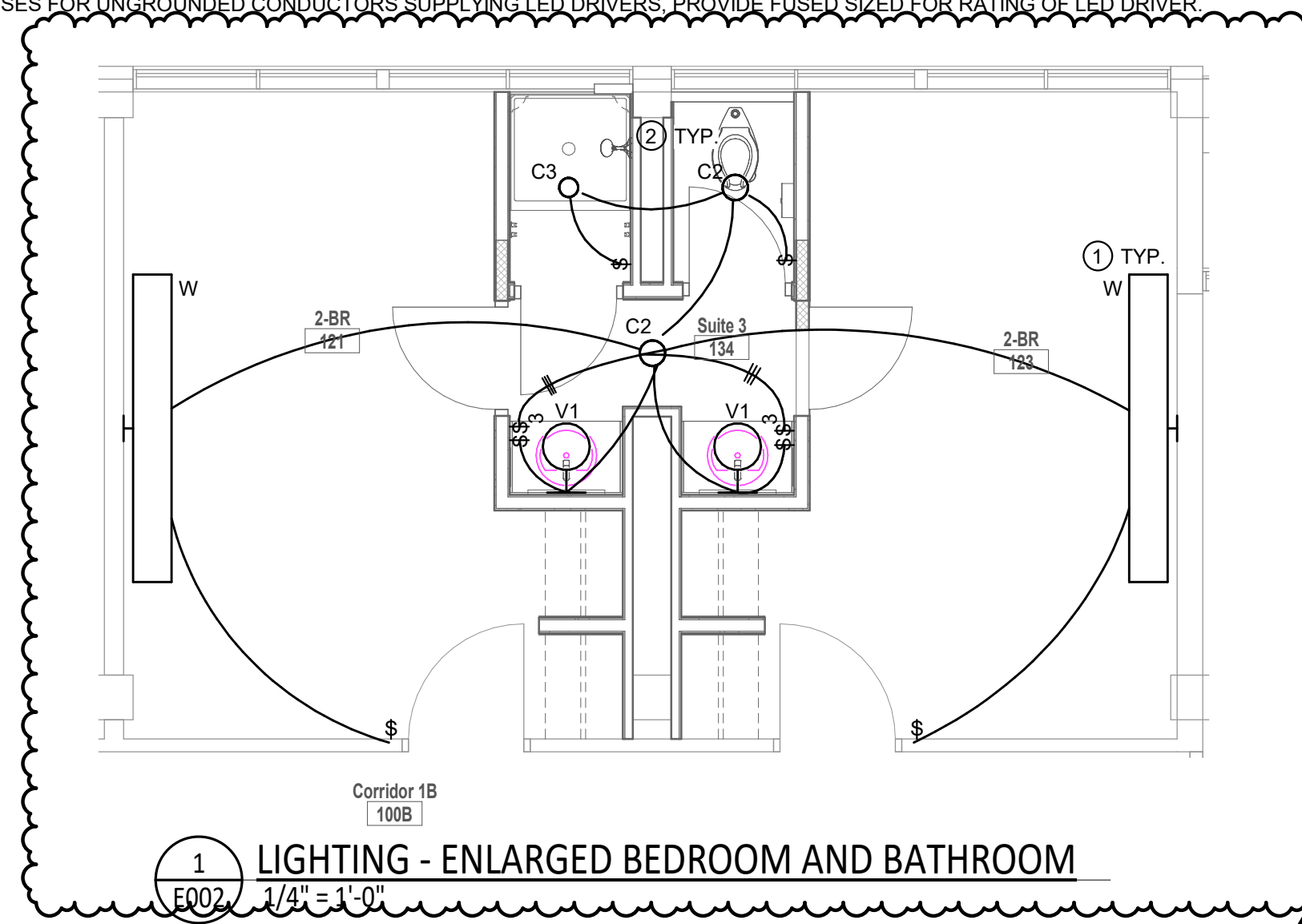


**2 ELECTRICAL DETAILS**  
12" = 1'-0"

LUMINAIRE SCHEDULE									
TYPE MARK	MANUFACTURER	MODEL	VOLT	LAMP	WATT	COLOR TEMP	DESCRIPTION	COMMENTS / OPTIONS	
A	LITHONIA	CPX 2X2 2000LM 80CRI 35K SWL MIN10 ZT MVOLT	UNV	LED	16 W	3500 K	2X2 LED PANEL LOW-GLARE, BACK-LIT, METAL FRAME WITH SATIN WHITE LENS, HIGH EFFICIENCY DRIVER		
AE	LITHONIA	CPX 2X2 2000LM 80CRI 35K SWL MIN10 ZT MVOLT E10WLCF	UNV	LED	16 W	3500 K	2X2 LED PANEL LOW-GLARE, BACK-LIT, METAL FRAME WITH SATIN WHITE LENS, HIGH EFFICIENCY DRIVER AND EMERGENCY BATTERY PACK	PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
B	LITHONIA	FML4W 48 5000LM 835 ZT MVOLT	UNV	LED	53 W	3500 K	LOW PROFILE LED WRAPAROUND, WIDE METAL HOUSING WITH PLASTIC END CAPS AND POLYCARBONATE DIFFUSER.		
BE	LITHONIA	FML4W 48 5000LM 835 ZT MVOLT	UNV	LED	53 W	3500 K	LOW PROFILE LED WRAPAROUND, WIDE METAL HOUSING WITH PLASTIC END CAPS AND POLYCARBONATE DIFFUSER.	PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
C1	GOTHAM	IVO4S D 20LM 35K 80CRI MWD MIN10 MVOLT ZT NCH P AR LSS	UNV	LED	22 W	3500 K	4" ROUND SHALLOW RECESSED DOWNLIGHT, METAL FRAME, OPEN REFLECTOR, CLEAR ANODIZED TRIM COLOR WITH SEMI SPECULAR TRIM FINISH		
C1E	GOTHAM	IVO4S D 20LM 35K 80CRI MWD MIN10 MVOLT ZT E10W NCH P AR LSS	UNV	LED	22 W	3500 K	4" ROUND SHALLOW RECESSED DOWNLIGHT, METAL FRAME, OPEN REFLECTOR, CLEAR ANODIZED TRIM COLOR WITH SEMI SPECULAR TRIM FINISH	PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
C2	LITHONIA	FMLRL 11 148	UNV	LED	16 W	3500 K	LED LOW PROFILE ROUND FLUSH MOUNT WITH ACRYLIC DIFFUSER		
C3	JUNO	SBTC 6IN TUWH 90CRI WL MW	UNV	LED	14 W	3500 K	TAPERED SMART LED SURFACE MOUNT DISK LIGHT, ALUMINUM TRIM FRAME WITH MATTE FINISH.		
C4	GOTHAM	IV06CYL-SC-D-50LM-35K-80CRI-WD-MIN10-MVOLT-ZT-L7-JBX-P-AR-LSS-XXX	UNV	LED	21 W	3500 K	6" ROUND CYLINDER SURFACE MOUNT WIDE BATWING		
D	LITHONIA	CSS L48 4000LM MVOLT 35K 80CRI	UNV	LED	35 W	3500 K	LED STRIP LIGHT, STEEL FRAME WITH ACRYLIC LENS AND HIGH-GLOSS FINISH		
D2	LITHONIA	CSS L24 2000LM MVOLT 35K 80CRI	UNV	LED	35 W	3500 K	2FT LED STRIP LIGHT, STEEL FRAME WITH ACRYLIC LENS AND HIGH-GLOSS FINISH		
DE	LITHONIA	CSS L48 4000LM MVOLT 35K 80CRI IE10WCPHE	UNV	LED	35 W	3500 K	LED STRIP LIGHT, STEEL FRAME WITH ACRYLIC LENS AND HIGH-GLOSS FINISH, EMERGENCY BATTERY PACK	PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
EP	LITHONIA	FEM-L48-8000LM-IMAFL-WD-MVOLT-GZ10-40K-80CRI-E10WMCP	120	LED	40 W	3500 K	LED 4'-0" LENGTH VAPOR TIGHT ELEVATOR PIT		
L1	MARK	S2PID LSL 8FT MSL4 80CRI 35K 1000LMF I80CRI I40K 1400LMF SCT MIN1 CLL MVOLT WHITT ZT F136A RDCY WHTCY WCRD	UNV	LED	113 W	3500 K	8' DIRECT/INDIRECT PENDANT WITH CONTINUOUS FLUSH LENS, WHITE SATIN FINISH		
L1E	MARK	S2PID LSL 8FT MSL4 80CRI 35K 1000LMF I80CRI I40K 1400LMF SCT MIN1 CLL MVOLT WHITT E10WLCF ZT F136A RDCY WHTCY WCRD	UNV	LED	113 W	3500 K	8' DIRECT/INDIRECT PENDANT WITH CONTINUOUS FLUSH LENS, WHITE SATIN FINISH	PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
L2	MARK	S2PID LSL128FT MSL4 80CRI 35K 1000LMF I80CRI I40K 1400LMF SCT MIN1 CLL MVOLT WHITT ZT F136A RDCY WHTCY WCRD	UNV	LED	170 W	3500 K	12' DIRECT/INDIRECT PENDANT WITH CONTINUOUS FLUSH LENS, WHITE SATIN FINISH	PROVIDE BATTERY PACK UNITS AS REQUIRED TO ILLUMINATE THE QUANTITY OF 4'0" EMERGENCY SECTIONS AS SHOWN ON THE FLOOR PLAN	
L2E	MARK	S2PID LSL128FT MSL4 80CRI 35K 1000LMF I80CRI I40K 1400LMF SCT MIN1 CLL MVOLT WHITT E10WLCF ZT F136A RDCY WHTCY WCRD	UNV	LED	170 W	3500 K	12' DIRECT/INDIRECT PENDANT WITH CONTINUOUS FLUSH LENS, WHITE SATIN FINISH	PROVIDE BATTERY PACK UNITS AS REQUIRED TO ILLUMINATE THE QUANTITY OF 4'0" EMERGENCY SECTIONS AS SHOWN ON THE FLOOR PLAN	
L3	LITHONIA	LSIX-8FT-5000LM-80CRI-3500K-FFR-SWL-MIN10-ZC-MVOLT-XX	UNV	LED	38 W	3500 K	8FT FLAT FRAME LAY-IN DIRECT		
R1E	LITHONIA	LRB6-30LM-35K-AR-LSS-WD-MVOLT-UGZ-E10WCP-WL	120	LED	38 W	3500 K	LED 6" ROUND RECESSED REMODEL STYLE FIXTURE, CLEAR REFLECTOR WITH SELF FLANGE AND SEMI SPECULAR REFLECTOR FINISH WITH WIDE LIGHT OUTPUT. WET LOCATION LISTED UNDER COVERED CEILING.	FIELD VERIFY EXISTING DIAMETER FOR REPLACEMENT PRIOR TO ORDERING. PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
R2E	GOTHAM	IV06CYL-SC-D-30LM-35K-80CRI-WD-MIN10-MVOLT-ZT-L7-JBX-E10WR-WL-P-AR-LSS-XXX	120	LED	21 W	3500 K	6" ROUND CYLINDER SURFACE MOUNT WIDE BATWING	FIELD VERIFY EXISTING DIAMETER FOR REPLACEMENT PRIOR TO ORDERING. PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
SC1	LUMINIS	L1L20-FLD-30K-MVOLT-SL-SWK-UP-PH-SP-RAL	120	LED	32 W	3000 K	EXTERIOR LED DECORATIVE WALL SCNCE. WET RATED. IP65.	PROVIDE WITH INTEGRAL PHOTOCCELL FOR DAWN/DUSK CONTROL	
SC2	BROWNLEE	1381-XX-C24-30K	120	LED	32 W	3000 K	METAL AND WHITE ACRYLIC WALL SCNCE	INSTALL AT SAME HEIGHT AS THE DEMOLISHED LIGHT SOURCE.	
SE	MCGRAW-EDISON	TT-D1-740-U-MQ-72L-BK-IBP	UNV	LED	28 W	4000 K	SURFACE LUMINAIRE MOUNTED TO CANOPY WITH BATTERY BACKUP - WET LOCATION RATED		
V1	LITHONIA	FMVCSL 24IN MVOLT 35K 90CRI BN	UNV	LED	18 W	3500 K	SQUARE VANITY LED, ACRYLIC DIFFUSE WITH BRUSHED NICKEL HOUSING		
W	MARK	S2WID LSL 8FT MSL4 80CRI 35K 400LMF I80CRI I40K I400LMF SCT MIN1 CLL MVOLT WHITT ZT	UNV	LED	46 W	3500 K	8' WALL DIRECT/INDIRECT WITH CONTINUOUS FLUSH LENS, WHITE SATIN FINISH		
X1	LITHONIA	LHQM S W 3 R	UNV	LED	3 W	3500 K	SINGLE FACE EXIT SIGN WITH BATTERY (CHEVRONS AS INDICATED)	PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
X2	LITHONIA	LHQM S W 3 R	UNV	LED	3 W	3500 K	DOUBLE FACE EXIT SIGN WITH BATTERY (CHEVRONS AS INDICATED)	PROVIDE BATTERY BACKUP AND INTEGRAL TEST SWITCH	
XW	LITHONIA	WDGE2 LED P5 40K 80CRI VW MVOLT SRM (E20WC) XXX	UNV	LED	48 W	4000 K	WALL MOUNTED TRIANGULAR WALL PACK, 7" DEEP, 9" HIGH, 12" WIDE. TYPE 3 DISTRIBUTION. EMERGENCY BATTERY PACK. UL LISTED FOR WET LOCATION. FULL CUTOFF WITH LIGHT ENGINE RECESSED IN THE LUMINAIRE. SINGLE PIECE DIE CAST ALUMINUM HOUSING.	PROVIDE WITH BATTERY BACK WHERE SHOWN AS EMERGENCY ON THE FLOOR PLAN. PROVIDE WITH 6KV SURGE PROTECTION.	

**LUMINAIRE SCHEDULE NOTES:**

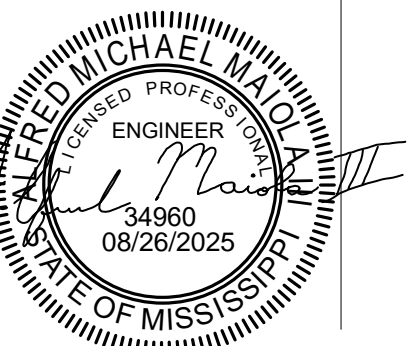
- MANUFACTURER CATALOG NUMBERS ARE SHOWN FOR GENERAL DESCRIPTIVE PURPOSES AND TO ESTABLISH STANDARD OF QUALITY ONLY. PROVIDE LUMINAIRES COMPLETE WITH ALL OPTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL PRODUCTS SHALL BE UL LISTED. ALL SUBSTITUTION REQUEST SHALL BE SUBMITTED FOR REVIEW PRIOR TO BID PER SPECIFICATIONS. SCHEDULED EQUIPMENT/MATERIALS ARE "BASIS OF DESIGN". EQUIVALENT PRODUCTS MEETING PERFORMANCE CRITERIA AND SPECIFICATIONS OF DOMESTIC MANUFACTURER'S SHALL BE ACCEPTABLE. REFER TO SPECIFICATIONS SECTION 01600 SUBSTITUTIONS AND PRODUCT OPTIONS FOR SUBSTITUTION REQUIREMENTS.
- VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
- PROVIDE LUMINAIRES WITH JOINING PLATES, END CAPS, CANOPIED, MOUNTING HARDWARE, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
- EXIT LIGHTS SHALL BE PROVIDED WITH COLOR OF LETTERS REQUIRED BY LOCAL CODE AUTHORITY. FURNISH WITH CHEVRON DIRECTIONAL INDICATORS AS INDICATED AND REQUIRED.
- PROVIDE DEVICES FOR SECURING LAY-IN TYPE LUMINAIRES TO CEILING GRID TO COMPLY WITH ARTICLE 410 OF THE NATIONAL ELECTRIC CODE.
- FURNISH LINEAR LUMINAIRES IN CONTINUOUS ROWS OR PATTERNS AS INDICATED ON DRAWINGS. PROVIDE WITH CORNER, ANGLE AND END PIECES AS REQUIRED FOR A COMPLETE INSTALLATION.
- FURNISH LUMINAIRES IN MECHANICAL SPACES COMPLETE WITH PENDANT STEMS OR CHAIN HANGERS AS REQUIRED TO MOUNT BELOW PIPING, DUCT, CONDUIT, ETC. MAINTAIN UNIFORM MOUNTING HEIGHT FOR ALL LUMINAIRES THROUGHOUT THE MECHANICAL AREA.
- PENDANT MOUNTED LUMINAIRES WITH AIRCRAFT CABLE SUSPENSION SYSTEMS SHALL BE FURNISHED WITH ADJUSTABLE CABLE GRIP HARDWARE. CABLE SIZE SHALL BE SELECTED BY MANUFACTURER TO PROVIDE ADEQUATE SUPPORT OF LUMINAIRES SPECIFIED.
- EMERGENCY BATTERY PACKS FOR LED LUMINAIRES SHALL OPERATE FOR 90 MINUTES MINIMUM.
- LED FIXTURES: TO INSURE A FIXTURE WILL PERFORM "AS ADVERTISED" ON A CUT SHEET, THE PUBLISHED SPECIFICATION SHALL BE SUPPORTED BY LM-79 TEST RESULTS. LED FIXTURES WHICH ARE BUILT USING LED'S SHALL HAVE SUCCESSFULLY PASSED LM-80. LED'S SHALL YIELD A LM-80 RESULT OF A MINIMUM OF 70% OF THE ORIGINAL LIGHT OUTPUT OF THE LED STILL BEING DELIVERED AFTER 50,000 HOURS OF OPERATION. THE POWER SUPPLY UNIT (DRIVER) SHALL HAVE 150,000 HOURS MTBF (MEAN TIME BETWEEN FAILURES). AN INTEGRATED BATTERY BACKUP SOLUTION FOR THE LED FIXTURE IS REQUIRED. REPLACEABLE LED BOARDS TO ALLOW FIXTURE UPGRADE.
- VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR COMPATIBLE INSTALLATION.
- PROVIDE FUSES FOR UNGROUNDED CONDUCTORS SUPPLYING LED DRIVERS. PROVIDE FUSED SIZED FOR RATING OF LED DRIVER.



**NOTES:**

- LOCATE LUMINAIRE AT THE SAME LOCATION AS THE REPLACED WALL MOUNTED FIXTURE. REUSE JUNCTION BOX FROM PREVIOUS FIXTURE TO CONCEAL ALL WIRING TO NEW FIXTURE. WHERE NOT POSSIBLE, USE SURFACE MOUNTED WIREMOLD AND MINIMIZE THE AMOUNT OF EXPOSED RACEWAY. TYPICAL FOR ALL "W" DORM ROOM FIXTURES.
- SINGLE POLE SWITCHES INDIVIDUALLY CONTROL VANITIES, TOILET LUMINAIRE, AND SHOWER LUMINAIRE (RESPECTIVELY). THREE WAY SWITCHES CONTROL THE COMMON RESTROOM CEILING FIXTURE. TYPICAL FOR ALL DORM ROOM RESTROOMS

**Dewberry**  
1900 Lakeland Drive  
Jackson, MS 39216  
(601) 362-6478  
www.dewberry.com  
Project Number :  
50171832



**SHAHER ZAHNER ZAHNER**

OFFICE OF ARCHITECTURE  
510 UNIVERSITY DRIVE  
STARKVILLE, MISSISSIPPI 39759  
szarch.com T(662) 323-1628

SHEET **E002**

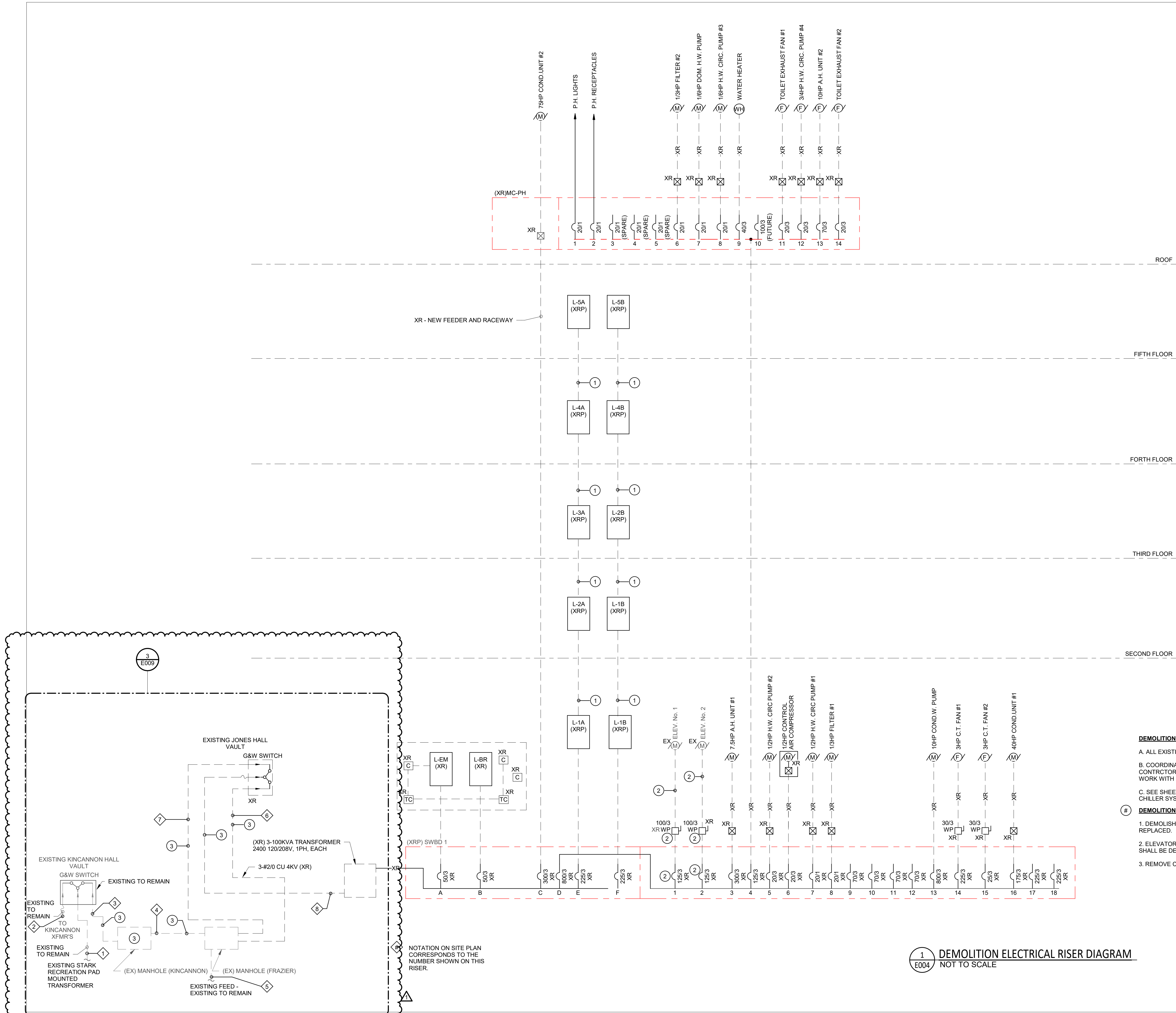
**ELECTRICAL LUMINAIRE SCHEDULE AND DETAILS**

DATE: 6.20.2025  
SZARCH#: 2414  
DRAWN BY: GJC  
CHECKED BY: AMM

REVISIONS:  
1 8/27/2025 Addendum #2

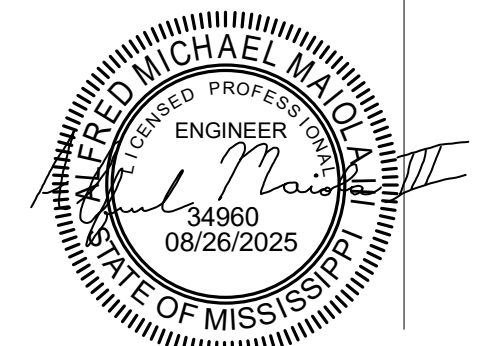
# GS# 104-215 JONES HALL RENOVATIONS

Mississippi University for Women



- DEMOLITION ELECTRICAL RISER GENERAL NOTES:**
- ALL EXISTING ITEMS TO REMAIN ARE SHOWN IN HALFTONE
  - COORDINATE ALL SHUTDOWNS WITH THE OWNER, ARCHITECT, AND THE GENERAL CONTRACTOR PRIOR TO ANY DEMOLITION OR WORK. PROVIDE A DETAILED SCHEDULE OF WORK WITH 2 WEEKS NOTICE AND TIME DURATION OF ANY SHUTDOWNS.
  - SEE SHEET E100 FOR ADDITIONAL NOTES ABOUT DEMOLITION AND THE EXISTING CHILLER SYSTEM. THIS INCLUDES DEMOLITION OF THE EXISTING MEDIUM VOLTAGE SYSTEM.
- DEMOLITION ELECTRICAL RISER DIAGRAM KEYNOTES**
- DEMOLISH CONDUCTORS. PREPARE RACEWAY FOR REUSE WHERE PANELS ARE BEING REPLACED.
  - ELEVATORS ARE EXISTING TO REMAIN. THE ELEVATOR DISCONNECTS AND FEEDERS SHALL BE DEMOLISHED AND REPLACED.
  - REMOVE CONDUCTORS AND ABANDON IN PLACE.

**1** E004 DEMOLITION ELECTRICAL RISER DIAGRAM  
NOT TO SCALE



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SHEET **E004**

**DEMOLITION ELECTRICAL RISER DIAGRAM**

DATE: 6.20.2025  
SZZARCH#: 2414  
DRAWN BY: GJC  
CHECKED BY: AMM

REVISIONS:  
1 8/27/2025 Addendum #2

**Dewberry**  
1900 Lakeland Drive  
Jackson, MS 39216  
(601) 362-6478  
www.dewberry.com  
Project Number : 50171832

Panel: L-1A Location: Corridor 1A Fed From: MPL1		Enclosure: NEMA 1 Mounting: RECESSED		Volts: 120/208 Wye Phases: 3 Wires: 4		Bus Rating: 225 A Main Device Type: MCB Main Device Size: 225/3		A.I.C. Rating: 65,000 Fault Current:							
Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	Phase Load (VA) B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt	
1	Receptacle Bedroom 101	1	Receptacle	20	1	1260	1080			1	20	Receptacle	1	Receptacle Apartment 102	2
3	Receptacle Bathroom 101	1	Receptacle	20	1		180	2500		2	30	Electric Clothes Dryer		Receptacle 102 L6-30R	4
5	Receptacle Bathroom 103	1	Receptacle	20	1			1260	2500	--	--	--	--	--	6
7	Receptacle Bathroom 103	1	Receptacle	20	1	180	900			1	20	Receptacle	1	Receptacle Apartment 104	8
9	Receptacle Bathroom 105	1	Receptacle	20	1		1260	2500		2	30	Electric Clothes Dryer		Receptacle 104	10
11	Receptacle Bathroom 105	1	Receptacle	20	1					--	--	--	--	--	12
13	Receptacle Bedroom 107	1	Receptacle	20	1	1260	180			1	20	Receptacle	1	Receptacle Bathroom 102/104	14
15	Receptacle Bathroom 107	1	Receptacle	20	1		180	720		1	20	Receptacle	2	Receptacle Kitchen 106	16
17	LTG - CORRIDOR 1A	1	Lighting	20	1			115	2500	2	50	Receptacle		Range 106	18
19	LTG - CONF. ROOM 108		Lighting	20	1	487	2500			--	--	--	--	--	20
21	LTG - KITCHEN 106		Lighting	20	1		349	371		1	20	Lighting	1	LTG - ADA RM 107	22
23	LTG - JANITOR 109		Lighting	20	1			240	276	1	20	Lighting		LTG - STAIRWELL	24
25	LTG - STAIRWELL		Lighting	20	1	306	--			1	--	--	--	Space	26
27	Spare	--	--	20	1	0	--			1	--	--	--	Space	28
29	Spare	--	--	20	1	0	--			1	--	--	--	Space	30
31	Spare	--	--	20	1	0	--			1	--	--	--	Space	32
33	Spare	--	--	20	1	0	--			1	--	--	--	Space	34
35	Spare	--	--	20	1	0	--			1	--	--	--	Space	36
37	Space	--	--	1	--	--	--			1	--	--	--	Space	38
39	Space	--	--	1	--	--	--			1	--	--	--	Space	40
41	Space	--	--	1	--	--	--			1	--	--	--	Space	42
<b>Total Phase Connected Load (VA):</b>						32517	29212	29702							
<b>Total Phase Connected Current (A):</b>						272	243	248							
<b>Load Classification</b>		<b>Connected Load (VA)</b>		<b>Demand Factor</b>		<b>Demand Load (VA)</b>		<b>Panel Totals:</b>							
Electric Clothes Dryer		10000 VA		100.00%		10000 VA		<b>Total Connected Load (VA):</b> 91430 VA							
Lighting		7356 VA		125.00%		9194 VA		<b>Total Demand Load (VA):</b> 61202 VA							
Receptacle		74120 VA		56.75%		42060 VA		<b>Total Connected Current (A):</b> 254 A							
							<b>Highest Connected Phase Current (A):</b> 272 A								
							<b>Total Demand Current (A):</b> 170 A								

**Notes:**  
A. Install feed-thru lugs to feed additional panels on floors above.  
B. Coordinate with the general contractor to provide all means to cut, patch, repair, etc. the existing wall so the new panel will be flush within the wall.  
C. Panel is permitted to be series rated. Provide labeling per NEC 110.22(C).

**Circuit Notes:**  
1. AFCI BREAKER  
2. AFCI/GFCI DUAL FUNCTION BREAKER

Panel: L-1D Location: Laundry 116 Fed From: MPL1		Enclosure: NEMA 1 Mounting: Surface		Volts: 120/208 Wye Phases: 3 Wires: 4		Bus Rating: 225 A Main Device Type: MLO Main Device Size: N/A		A.I.C. Rating: 65,000 Fault Current:							
Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	Phase Load (VA) B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt	
1	REC - WASHER	1	Receptacle	20	1	1500	2500			2	30	Electric Clothes Dryer		DRYER RM 116	2
3	REC - WASHER	1	Receptacle	20	1		1500	2500		--	--	--	--	--	4
5	REC - WASHER	1	Receptacle	20	1			1500	2500	2	30	Electric Clothes Dryer		DRYER RM 116	6
7	REC - KITCHEN 115		Receptacle	20	1	720	2500			--	--	--	--	--	8
9	REC - KITCHEN RANGE		Receptacle	50	2		2500	2500		2	30	Electric Clothes Dryer		DRYER RM 116	10
11	--	--	--	--	--	--	--	2500	2500	--	--	--	--	--	12
13	REC - WASHER	1	Receptacle	20	1	1500	2500			2	30	Electric Clothes Dryer		DRYER RM 116	14
15	REC - WASHER	1	Receptacle	20	1		1500	2500		--	--	--	--	--	16
17	REC - RM 216	1	Receptacle	20	1			180	2500	2	30	Electric Clothes Dryer		DRYER RM 116	18
19	KITCHEN HOOD		Power	20	1	500	2500			--	--	--	--	Space	20
21	Spare	--	--	20	1	0	2500			2	30	Electric Clothes Dryer		DRYER RM 116	22
23	Spare	--	--	20	1			0	2500	--	--	--	--	Space	24
25	Spare	--	--	20	1	0	--			1	--	--	--	Space	26
27	Spare	--	--	20	1	0	--			1	--	--	--	Space	28
29	Spare	--	--	1	--	--	--			1	--	--	--	Space	30
31	Spare	--	--	1	--	--	--			1	--	--	--	Space	32
33	Spare	--	--	1	--	--	--			1	--	--	--	Space	34
35	Spare	--	--	1	--	--	--			1	--	--	--	Space	36
37	Spare	--	--	1	--	--	--			1	--	--	--	Space	38
39	Space	--	--	1	--	--	--			1	--	--	--	Space	40
41	Space	--	--	1	--	--	--			1	--	--	--	Space	42
<b>Total Phase Connected Load (VA):</b>						14220	15500	14180							
<b>Total Phase Connected Current (A):</b>						119	129	118							
<b>Load Classification</b>		<b>Connected Load (VA)</b>		<b>Demand Factor</b>		<b>Demand Load (VA)</b>		<b>Panel Totals:</b>							
Electric Clothes Dryer		30000 VA		75.00%		22500 VA		<b>Total Connected Load (VA):</b> 43900 VA							
Power		500 VA		100.00%		500 VA		<b>Total Demand Load (VA):</b> 34700 VA							
Receptacle		13400 VA		87.31%		11700 VA		<b>Total Connected Current (A):</b> 122 A							
							<b>Highest Connected Phase Current (A):</b> 129 A								
							<b>Total Demand Current (A):</b> 96 A								

**Notes:**  
A. Install feed-thru lugs to feed additional panels on floors above.  
B. Panel is permitted to be series rated. Provide labeling per NEC 110.26(C). Lower rated breakers must be a minimum of 22K. See NEC 240.86(C).

**Circuit Notes:**  
1. PROVIDE GFCI BREAKER

Panel: L-1B Location: Corridor 1B 100B Fed From: MPL1		Enclosure: NEMA 1 Mounting: RECESSED		Volts: 120/208 Wye Phases: 3 Wires: 4		Bus Rating: 225 A Main Device Type: MCB Main Device Size: 225/3		A.I.C. Rating: 65,000 Fault Current:							
Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	Phase Load (VA) B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt	
1	Receptacle Bedroom 117	1	Receptacle	20	1	1080	1080			1	20	Receptacle	1	Receptacle Bedroom 124	2
3	Receptacle Bathroom 117	1	Receptacle	20	1		180	180		1	20	Receptacle	1	Receptacle Bathroom 124	4
5	Receptacle Bedroom 119	1	Receptacle	20	1			1080	1080	1	20	Receptacle	1	Receptacle Bedroom 122	6
7	Receptacle Bathroom 119	1	Receptacle	20	1	180	180			1	20	Receptacle	1	Receptacle Bathroom 122	8
9	Receptacle Bedroom 121	1	Receptacle	20	1		1080	1080		1	20	Receptacle	1	Receptacle Bedroom 120	10
11	Receptacle Bathroom 121	1	Receptacle	20	1			180	180	1	20	Receptacle	1	Receptacle Bathroom 120	12
13	Receptacle Bedroom 123	1	Receptacle	20	1	1080	1080			1	20	Receptacle	1	Receptacle Bedroom 118	14
15	Receptacle Bathroom 123	1	Receptacle	20	1		180	180		1	20	Receptacle	1	Receptacle Bathroom 118	16
17	LTG - BEDROOMS	1	Lighting	20	1			178	115	1	20	Lighting	1	LTG - CORRIDOR 1B	18
19	LTG - LAUNDRY 116	1	Lighting	20	1	283	180			1	20	Receptacle		REC - LOBBY 112	20
21	Spare	--	--	20	1	0	--			1	--	--	--	Space	22
23	Spare	--	--	20	1	0	--			1	--	--	--	Space	24
25	Spare	--	--	20	1	0	--			1	--	--	--	Space	26
27	Spare	--	--	20	1	0	--			1	--	--	--	Space	28
29	Spare	--	--	20	1	0	--			1	--	--	--	Space	30
31	Spare	--	--	20	1	0	--			1	--	--	--	Space	32
33	Spare	--	--	1	--	--	--			1	--	--	--	Space	34
35	Spare	--	--	1	--	--	--			1	--	--	--	Space	36
37	Space	--	--	1	--	--	--			1	--	--	--	Space	38
39	Space	--	--	1	--	--	--			1	--	--	--	Space	40
41	Space	--	--	1	--	--	--			1	--	--	--	Space	42
<b>Total Phase Connected Load (VA):</b>						29553	23772	22968							
<b>Total Phase Connected Current (A):</b>						247	199	191							
<b>Load Classification</b>		<b>Connected Load (VA)</b>		<b>Demand Factor</b>		<b>Demand Load (VA)</b>		<b>Panel Totals:</b>							
Lighting		5564 VA		125.00%		6955 VA		<b>Total Connected Load (VA):</b> 76293 VA							
Receptacle		70740 VA		57.07%		40370 VA		<b>Total Demand Load (VA):</b> 47312 VA							
							<b>Total Connected Current (A):</b> 212 A								
							<b>Highest Connected Phase Current (A):</b> 247 A								
							<b>Total Demand Current (A):</b> 131 A								

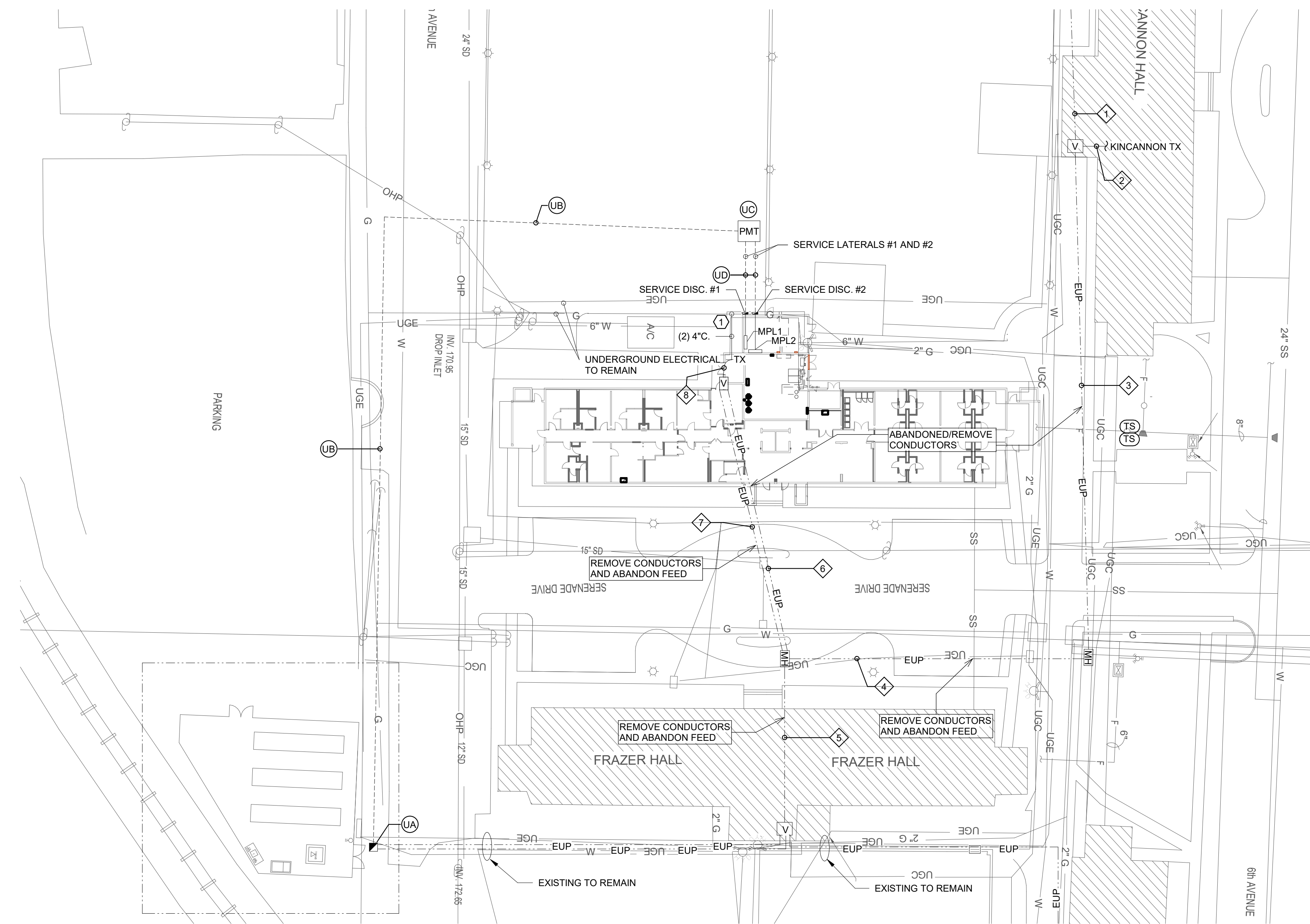
**Notes:**  
A. Install feed-thru lugs to feed additional panels on floors above.  
B. Coordinate with the general contractor to provide all means to cut, patch, repair, etc. the existing wall so the new panel will be flush within the wall.  
C. Panel is permitted to be series rated. Provide labeling per NEC 110.26(C).

**Circuit Notes:**  
1. AFCI BREAKER

Panel: L-PH Location: Penthouse Fed From: MPL1		Enclosure: NEMA 1 Mounting: Surface		Volts: 120/208 Wye Phases: 3 Wires: 4		Bus Rating: 225 A Main Device Type: MLO Main Device Size: N/A		A.I.C. Rating: 65,000 Fault Current:							
Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	Phase Load (VA) B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt	
1	EF-1		HVAC	15	1	528	8916			3	150	HVAC		OAHU-1	2
3	EF-2		HVAC	15	1		528	8916		--	--	--	--	--	4
5	EF-3		HVAC	15	1			528	8916	--	--	--	--	--	6
7	EF-4		HVAC	15	1	528	2995			2	60	HVAC		OHP-1	8
9	EF-5		HVAC	15	1		528	2995		--	--	--	--	--	10
11	EF-6		HVAC	15	1			528	500	1	20	HVAC		UH-2	12
13	EF-7		HVAC	15	1	528	360			1	20	Receptacle		REC - WEST ROOF	14
15	EF-8		HVAC	15	1		528	360		1	20	Receptacle		REC - EAST ROOF	16
17	EF-9		HVAC	15	1			528	540	1	20	Receptacle		REC - PENTHOUSE	18
19	EF-10		HVAC	15	1	528	180			1	20	Receptacle		REC - ROOF CONV.	20
21	EF-11		HVAC	15	1		528	313		1	20	Lighting		LTG - PENTHOUSE	22
23	EF-12		HVAC	15	1			528	0	1	20	Lighting		CONTACTOR	24
25	EF-13		HVAC	15	1	528	1000			1	20	Lighting		LTG - NORTH FLOOD LIGHTS	26
27	LTG - SOUTH FLOOD LIGHTS		Lighting	20	1		1000	--		1	--	--	--	Space	28
29	Spare	--	--	20	1			0	--	1	--	--	--	Space	30
31	Spare	--	--	20	1	0	--			1	--	--	--	Space	32
33	Spare	--	--	20	1	0	--			1	--	--	--	Space	34
35	Spare	--	--	20	1			0	--	1	--	--	--	Space	36
37	Spare	--	--	1	--	--	--			1	--	--	--	Space	38
39	Space	--	--	1	--	--	--			1	--	--	--	Space	40
41	Space	--	--	1	--	--	--			1	--	--	--	Space	42
<b>Total Phase Connected Load (VA):</b>						16091	15681	12068							
<b>Total Phase Connected Current (A):</b>						139	135	101							
<b>Load Classification</b>		<b>Connected Load (VA)</b>		<b>Demand Factor</b>		<b>Demand Load (VA)</b>		<b>Panel Totals:</b>							
Lighting		2300 VA		125.00%		2875 VA		<b>Total Connected Load (VA):</b> 43841 VA							
Receptacle		1440 VA		100.00%		1440 VA		<b>Total Demand Load (VA):</b> 44415 VA							
HVAC		40103 VA		100.00%		40103 VA		<b>Total Connected Current (A):</b>							

# GS# 104-215 JONES HALL RENOVATIONS

Mississippi University for Women



**1 ELECTRICAL SITE PLAN**  
E009 1" = 30'-0"



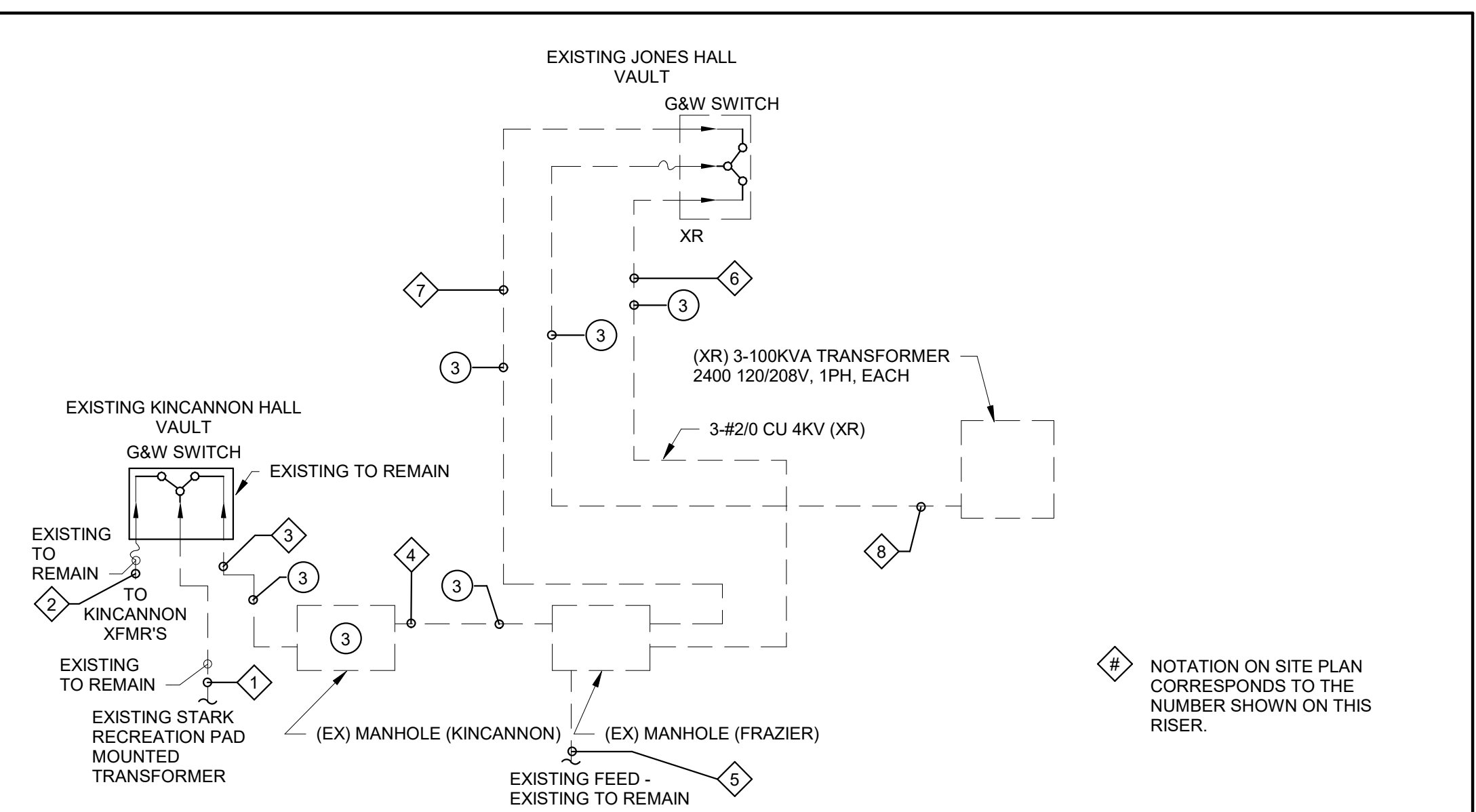
- SITE POWER AND TELEPHONE NOTES:**
- (UA) STUB-OUT AND TERMINATE PER UTILITY COMPANY REQUIREMENTS. VERIFY LOCATION OF HIGH VOLTAGE SERVICE POINT PRIOR TO BIDDING AND INCLUDE ALL COST IN BID. (CHILLER PLANT PAD)
  - (UB) (3) 3" SCHEDULE 80 PVC FOR HIGH VOLTAGE SERVICE - BY COLUMBUS POWER AND LIGHT UTILITY
  - (UC) LOCATION AND ORIENTATION WITH UTILITY COMPANY.
  - (UD) SECONDARY FROM TRANSFORMER TO MAIN DISCONNECT. VERIFY ROUTING WITH UTILITY COMPANY AND ROUTE TO CLEAR STRUCTURAL FOOTING. SEE RISER DIAGRAM.
1. ALL UTILITY SERVICE SHALL BE VERIFIED WITH THE UTILITY COMPANY PRIOR TO BIDDING AND ALL RESULTING COSTS SHALL BE INCLUDED IN BID.
  2. ACTUAL INSTALLATION OF ALL UTILITY SERVICES SHALL BE ACCORDING TO FINAL UTILITY COMPANY PLANS. SEE "UTILITY NOTES".
  3. **UTILITY CONTACTS:**  
ELECTRIC UTILITY - COLUMBUS LIGHT; MARC RUSHING; MRUSHING@COLUMBUS-LW.COM; CELL 662-386-5545; OFFICE 662-243-7440 X169

- GENERAL UTILITY AND SITE WORK NOTES:**
- FOR POWER SERVICE:**
- A. CONTRACTOR WILL PROVIDE (2)-5" C FOR HIGH VOLTAGE CIRCUITS FROM PROPERTY LINE TO TRANSFORMER SLABS. CONDUIT TO BE 48" DEEP AND TERMINATED IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS INCLUDING TRENCHING AND BACKFILL TO 90% COMPACTION.
  - B. CONTRACTOR WILL PROVIDE TRANSFORMER SLABS INSTALLED COMPLETE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.
  - C. CONTRACTOR WILL PROVIDE SECONDARY CONDUITS FOR LOW VOLTAGE CIRCUITS FROM TRANSFORMER SLABS TO BUILDING EQUIPMENT ROOMS. CONDUIT TO BE 48" DEEP AND TERMINATED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.
  - D. PROVIDE PULLWIRE IN ALL EMPTY CONDUITS.
  - E. USE JOINT TRENCHING WHEREVER POSSIBLE.
  - F. CONCRETE SEMI-ENCASEMENT REQUIRED WHENEVER QUANTITY OF POWER DUCTS EXCEEDS TWO.
- GENERAL:**
- AA. ALL UNDERGROUND AND OVERHEAD COMMUNICATIONS AND POWER SHALL REMAIN UNLESS OTHERWISE NOTED ON THIS PLAN.
  - BB. COORDINATE WITH CIVIL SURVEY. ALL SURROUNDING AREAS WITHIN THE SCOPE OF WORK SHALL HAVE CIRCUITS MARKED PRIOR TO ANY SITE WORK BEGINNING.
  - CC. SEE SHEET E100 FOR ADDITIONAL NOTES ABOUT DEMOLITION AND THE EXISTING CHILLER SYSTEM. THIS INCLUDES DEMOLITION OF THE EXISTING MEDIUM VOLTAGE SYSTEM.
  - DD. CONTRACTOR SHALL BE RESPONSIBLE FOR INCLUDING ALL MATERIALS AND TIME TO REPAIR ANY DISTURBANCE TO THE SITE AS A RESULT OF NEW ELECTRICAL TRENCHING, BORING, ETC.

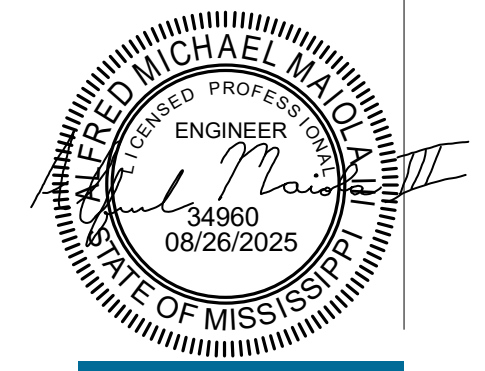
- KEYNOTES:**
- (K) APPROXIMATE LOCATION OF EXISTING HANDHOLE WHERE FIBER IS LOCATED. PROVIDE (2) 4" CONDUITS WITH PULLSTRINGS FROM EXISTING HANDHOLE TO NEW MDF ROOM. FIELD VERIFY EXACT LOCATION. FIBER TO BE REPULED THROUGH CONDUITS BY STATE ITS. COORDINATE WITH STATE ITS AND OWNER. ALL CONDUIT STUB-UP AND CAPPED 12" A.F.F. IN BUILDING. CONDUIT TO BE 24" DEEP. USE JOINT TRENCHING WHEREVER POSSIBLE.

**SITE ELECTRICAL**

- PAD MOUNTED TRANSFORMER
- PAD MOUNTED SWITCH
- MANHOLE
- HANDHOLE
- UTILITY POLE
- UNDERGROUND ELECTRICAL PRIMARY (OWNED BY COLLEGE)



**3 PARTIAL RISER DIAGRAM**  
E009 NOT TO SCALE



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SHEET **E009**

**ELECTRICAL SITE PLAN**

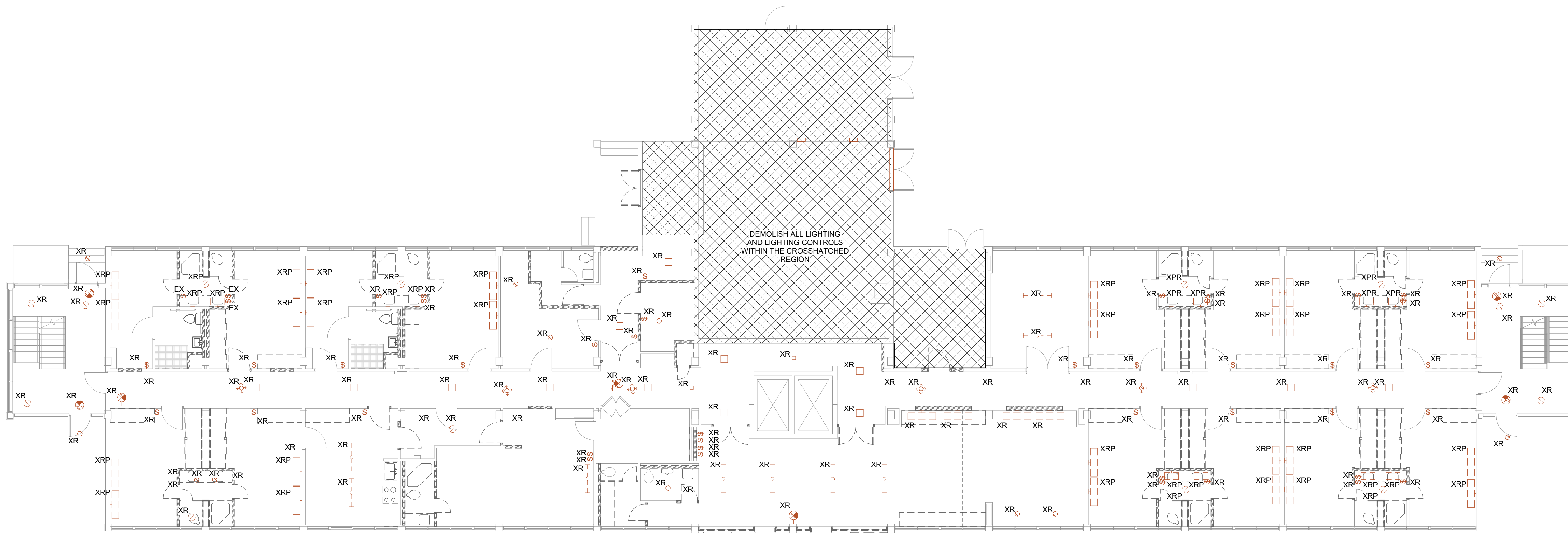
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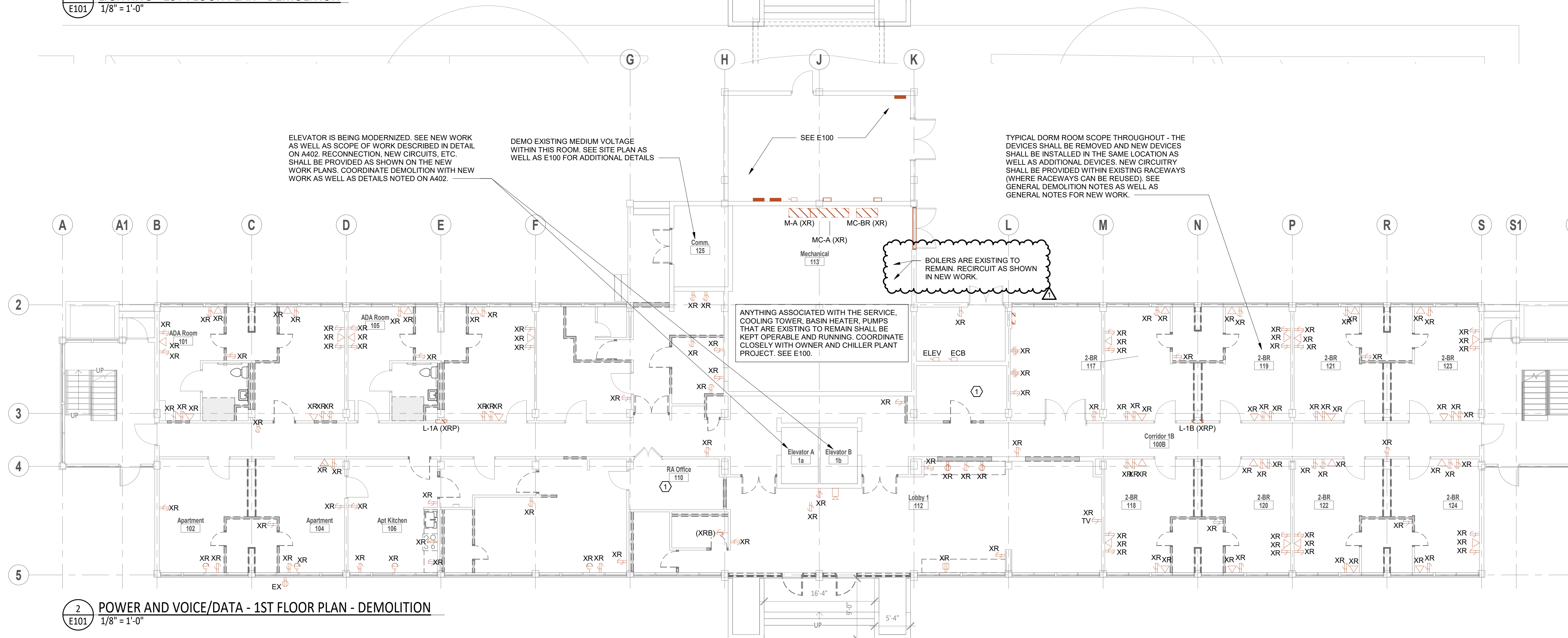
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**1 LIGHTING - 1ST FLOOR PLAN - DEMOLITION**  
E101  
1/8" = 1'-0"



**2 POWER AND VOICE/DATA - 1ST FLOOR PLAN - DEMOLITION**  
E101  
1/8" = 1'-0"



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SHEET **E101**

**1ST FLOOR  
DEMOLITION**

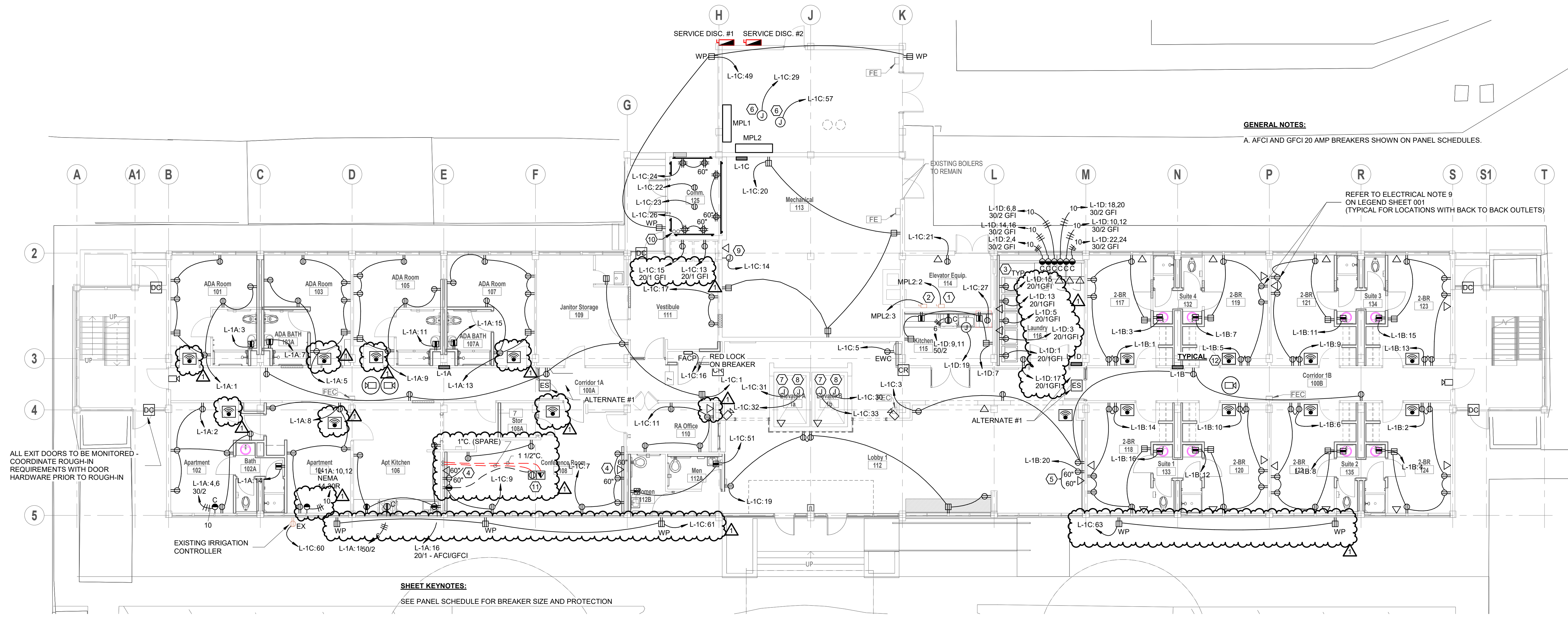
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**GENERAL NOTES:**  
A. AFCI AND GFCI 20 AMP BREAKERS SHOWN ON PANEL SCHEDULES.

REFER TO ELECTRICAL NOTE 9 ON LEGEND SHEET 001 (TYPICAL FOR LOCATIONS WITH BACK TO BACK OUTLETS)

ALL EXIT DOORS TO BE MONITORED - COORDINATE ROUGH-IN REQUIREMENTS WITH DOOR HARDWARE PRIOR TO ROUGH-IN

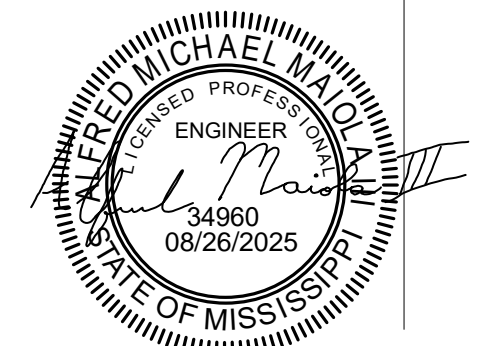
**SHEET KEYNOTES:**  
SEE PANEL SCHEDULE FOR BREAKER SIZE AND PROTECTION

**1 POWER AND VOICE/DATA - 1ST FLOOR PLAN**  
E301 1/8" = 1'-0"



- NEW CONSTRUCTION NOTES:**
- ① REFEED EXISTING DISCONNECT SERVING ELEVATOR A. CIRCUIT AS SHOWN ON THE RISER DIAGRAM.
  - ② REFEED EXISTING DISCONNECT SERVING ELEVATOR B. CIRCUIT AS SHOWN ON THE RISER DIAGRAM.
  - ③ CONFIRM NEMA CONFIGURATION AND MOUNTING HEIGHT OF RECEPTACLE WITH DRYER EQUIPMENT PRIOR TO ROUGH-IN.
  - ④ FOR TV - VERIFY HEIGHT AND EXACT LOCATION WITH OWNER FOR TV DIMENSIONS PRIOR TO ROUGH-IN.
  - ⑤ FOR DIGITAL SIGNAGE - VERIFY HEIGHT AND EXACT LOCATION WITH OWNER FOR TV DIMENSIONS PRIOR TO ROUGH-IN.
  - ⑥ SHUNT TRIP AT ELEVATOR BREAKER
  - ⑦ RECONNECT ELEVATOR CAR ALARM CIRCUIT
  - ⑧ RECONNECT ELEVATOR CONTROLS PROVISION
  - ⑨ FOR HVAC CONTROL PANEL - COORDINATE LOCATION PRIOR TO ROUGH-IN.
  - ⑩ PROVIDE (2) 4" CONDUITS TO 2ND FLOOR IDF ROOM FROM 1ST FLOOR MDF
  - ⑪ COORDINATE ROUTING WITH GC AND WHERE PLANNED SLAB CUT IS BEING MADE.
  - ⑫ MOUNT WIFI AS HIGH AS POSSIBLE ON WALL WHERE ACCESS POINT CAN STILL FIT. TYPICAL FOR ALL WIFI DEVICES LOCATED IN DORMS

- GENERAL VOICE/DATA/AUXILIARY NOTES (TYPICAL FOR ALL POWER AND VOICE/DATA SHEETS):**
- A. EC SHALL PROVIDE ALL PATHWAYS, BOXES, AND CONDUITS FOR VOICE DATA AND AUXILIARY OUTLETS/CABLES/EQUIPMENT. PROVIDE BUSHINGS ON ALL CONDUIT STUB OUTS. PROVIDE PULLSTRINGS IN ALL EMPTY CONDUITS. FOR THE PURPOSE OF THIS NOTE, FIRE ALARM IS NOT AUXILIARY AND SHALL BE WITHIN CONDUIT. SEE FIRE ALARM DRAWINGS AND SPECIFICATIONS.
  - B. ALL VOICE DATA AND AUXILIARY CABLES SHALL BE SUPPORTED BY J-HOOKS THROUGHOUT WHERE RUN ABOVE ACCESSIBLE CEILING. PROVIDE J-HOOKS SO THAT NO CABLE IS UNSUPPORTED MORE THAN 5'-0".
  - C. PROVIDE 12"W 4"D CABLE TREY ON THE WALLS OF ALL MDF AND IDF ROOMS. PROVIDE (3) 4" SLEEVES FOR CABLE ENTRANCE ON EACH INTERIOR WALL OF ALL IDF/MDF ROOMS.
  - D. ALL LOW VOLTAGE CABLES CONCEALED IN WALLS SHALL BE IN CONDUIT. ALL CABLES CONCEALED ABOVE HARD CEILINGS SHALL BE IN CONDUIT. ALL EXPOSED RACEWAY SHALL BE WIREMOLD.
  - E. ALL CONDUIT SHALL BE CONCEALED AS MUCH AS POSSIBLE. WHERE POSSIBLE, REUSE EXISTING CONDUIT WHERE OUTLETS/DEVICES/EQUIPMENT IS REPLACED IN THE SAME LOCATION WHERE CONDUIT IS FREE FROM DAMAGE. WHERE CONDUIT MUST BE EXPOSED, PROVIDE WIREMOLD SURFACE MOUNTED RACEWAY. CONFIRM COLOR FINISH WITH ARCHITECT. MINIMIZE EXPOSED RACEWAY BY RUNNING THROUGH CONCEALED AREAS AS MUCH AS POSSIBLE.
  - F. 15 AND 20 AMP AFCI PROTECTED BREAKERS NOT SHOWN ON POWER SHEETS FOR DRAWING CLARITY. SEE PANEL SCHEDULE FOR BREAKER SIZE AND PROTECTION. ALL 120-VOLT, SINGLE-PHASE, 10-, 15-, AND 20-AMPERE BRANCH CIRCUITS SUPPLYING OUTLETS OR DEVICES INSTALLED IN BEDROOMS, LIVING ROOMS, HALLWAYS, CLOSETS, BATHROOMS, AND SIMILAR ROOMS SHALL BE PROTECTED BY AN AFCI BREAKER.
  - G. EC SHALL COORDINATE WITH OWNER PRIOR TO AUXILIARY PATHWAY AND BOXES INSTALLATION AND VERIFY ALL LOCATIONS, BOX SIZES, ETC.
  - H. BID ALTERNATE #1: PROVIDE AND INSTALL ADDITIONAL ACCESS CONTROL SYSTEM COMPONENTS FOR INTERIOR DOORS, AND ALL ASSOCIATED WORK AS INDICATED IN THE DOCUMENTS. **THE ROUGH IN SHALL BE A BASE BID ITEM.**



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SHEET **E301**

**POWER AND VOICE/DATA - 1ST FLOOR PLAN**

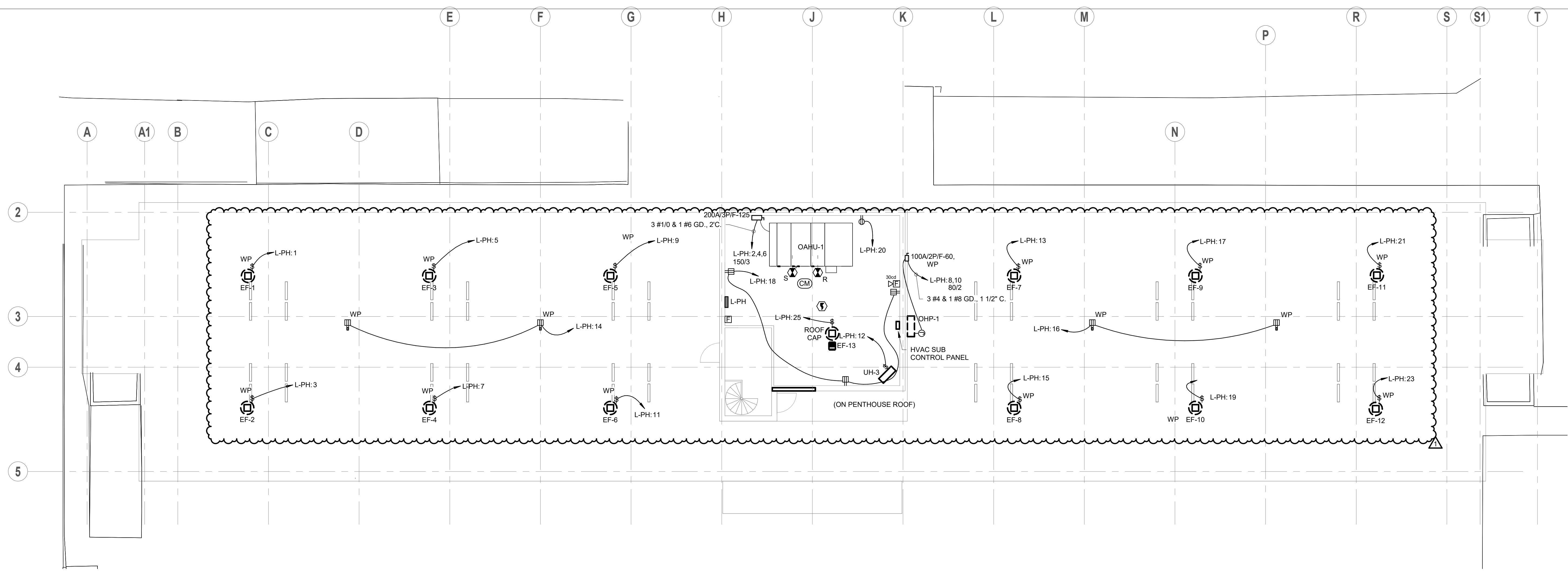
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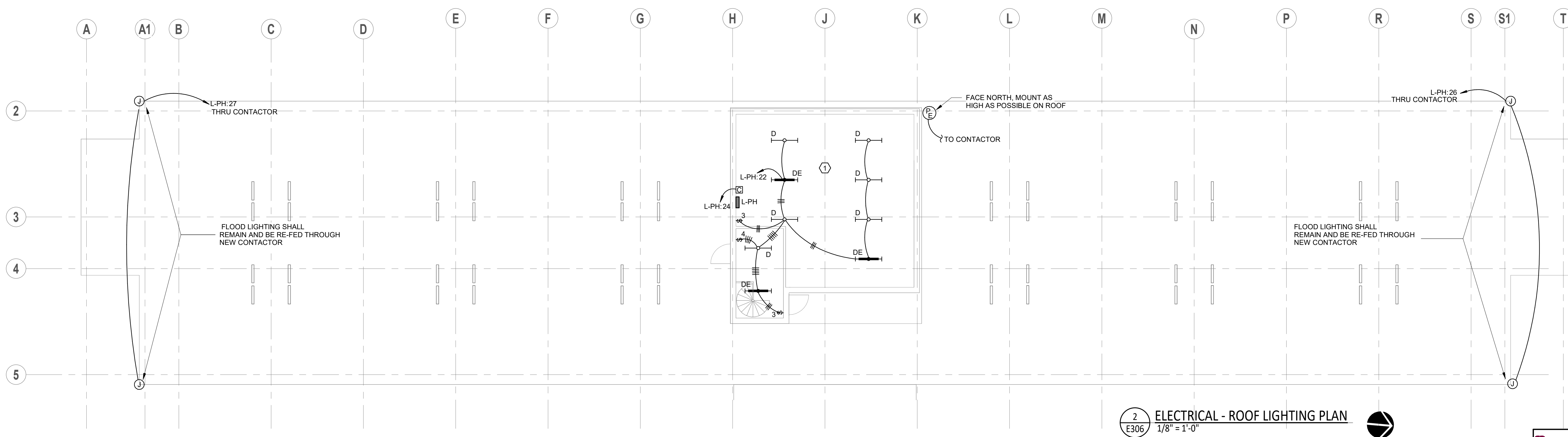
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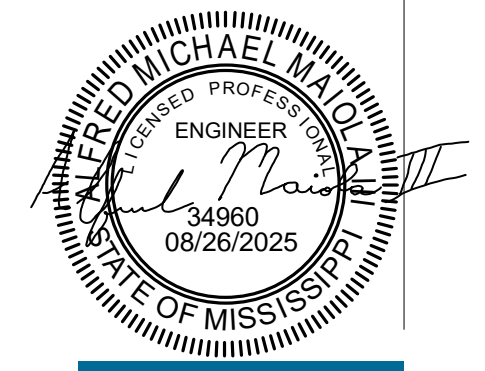


**1** ELECTRICAL - ROOF AND PENTHOUSE PLAN  
 E306 1/8" = 1'-0"  
 NORTH



**2** ELECTRICAL - ROOF LIGHTING PLAN  
 E306 1/8" = 1'-0"  
 NORTH

**ROOF KEYNOTES:**  
 ① REMOVE EXISTING LIGHTING IN PENTHOUSE



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SHEET **E306**

**ELECTRICAL - ROOF AND PENTHOUSE PLAN**

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**1** FIRE ALARM - 1ST FLOOR PLAN - DEMOLITION  
E401 1/8" = 1'-0" NORTH

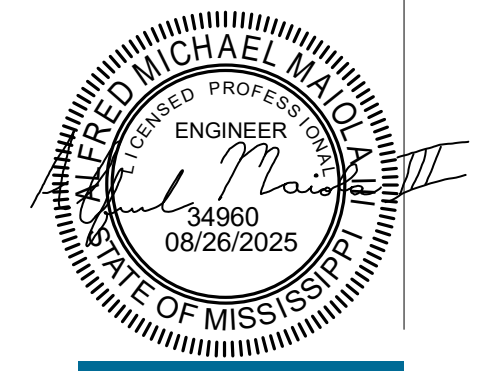
**2** FIRE ALARM - 1ST FLOOR PLAN  
E401 1/8" = 1'-0" NORTH

**GENERAL NOTES: TYPICAL FOR ALL AUXILIARY SHEETS**

- A. SEE SITE PLAN FOR ADDITIONAL FIRE ALARM DEVICES.
- B. LOW VOLTAGE CABLING (EXCLUDING FIRE ALARM) SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILING THROUGH J-HOOKS. PROVIDE J-HOOKS TO ALL AUXILIARY OUTLETS SO THAT NO CABLE IS UNSUPPORTED MORE THAN 5'-0". ALL CONCEALED CABLING SHALL BE IN CONDUIT. ALL EXPOSED RACEWAY SHALL BE WIREMOLD.
- C. ALL FIRE ALARM CABLING SHALL BE IN CONDUIT.
- D. PROVIDE FIRE ALARM DIALER AS REQUIRED BY AHJ AND OWNER. COORDINATE INSTALLATION AND SET UP WITH OWNER.
- E. PROVIDE DUCT DETECTORS FOR SUPPLY AND RETURN DUCTS OF ALL HVAC UNITS OVER 2000 CFM. COORDINATE INSTALLATION WITH MECHANICAL.

**SHEET KEYNOTES:**

- ① PROVIDE COMBINATION CARBON MONOXIDE/SMOKE DETECTOR WITH LOW FREQUENCY SOUNDER CONNECTED TO THE FIRE ALARM SYSTEM IN ACCORDANCE TO IBC 907.2.11.7 AND NFPA 72 2019 18.4.6.3. THE WAVEFORM SHALL HAVE A FUNDAMENTAL FREQUENCY OF 520 HZ +/- 10 PERCENT. THE NOTIFICATION EQUIPMENT SHALL BE LISTED FOR PRODUCING THE LOW FREQUENCY WAVEFORM. DEVICE SHALL BE LISTED TO UL 268.
- ② SECONDARY RECALL
- ③ FIREMAN'S HAT
- ④ FOR HOOD SHUTOFF
- ⑤ PRIMARY RECALL



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SHEET **E401**

**FIRE ALARM - 1ST FLOOR PLAN**

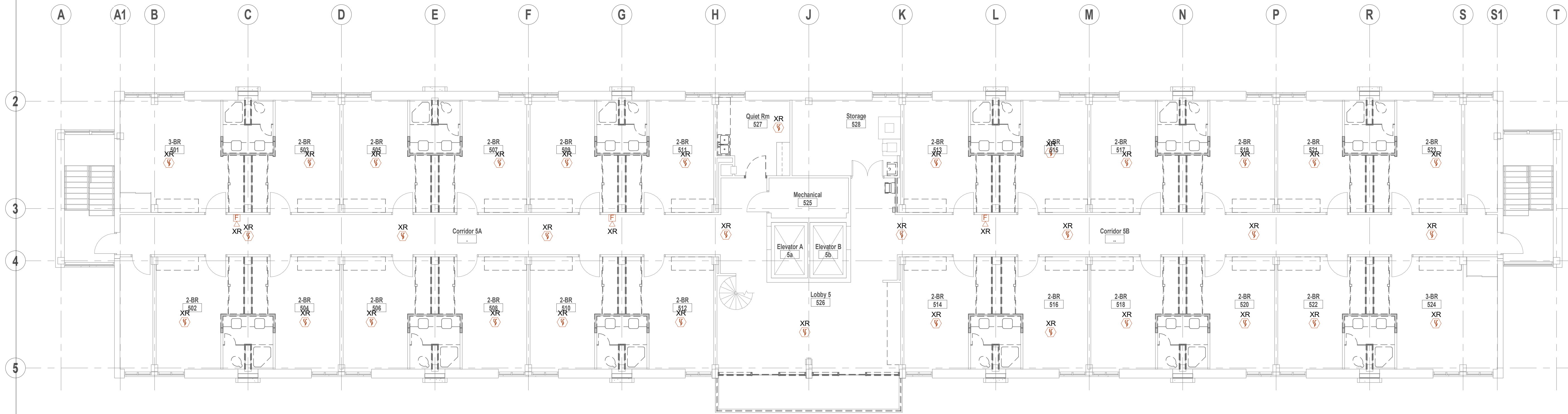
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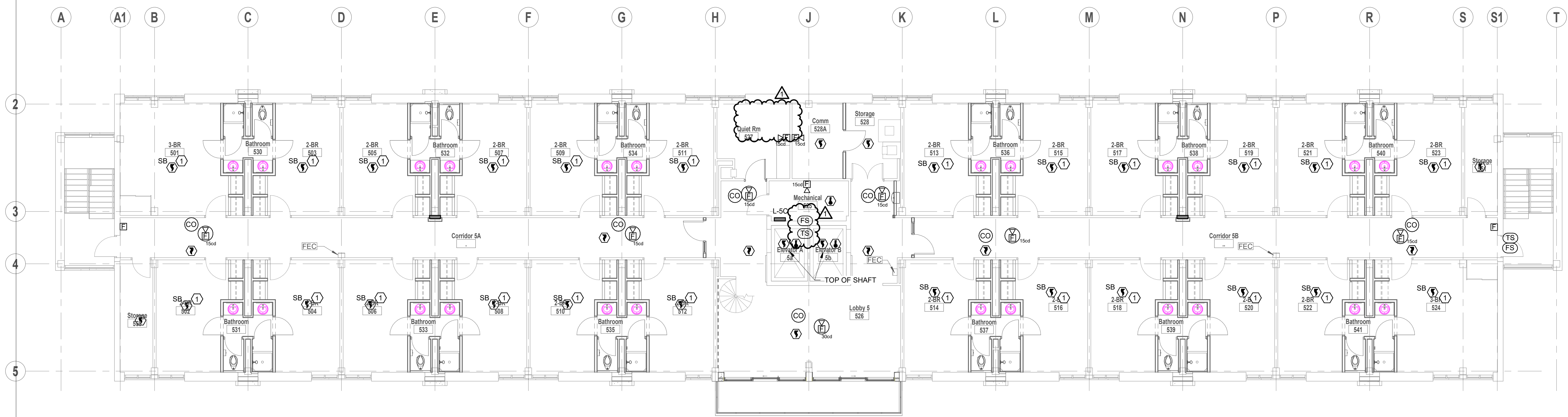
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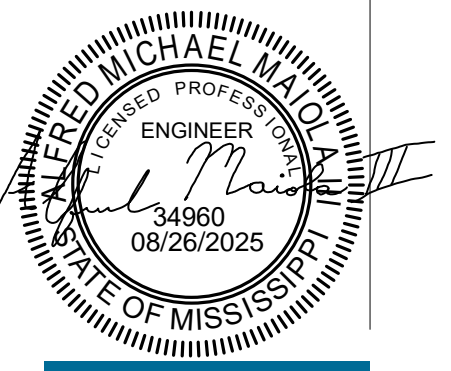
1 FIRE ALARM - 5TH FLOOR PLAN - DEMOLITION  
1/8" = 1'-0"



2 FIRE ALARM - 5TH FLOOR PLAN  
1/8" = 1'-0"



GENERAL NOTES:  
1. REFER TO PENTHOUSE PLAN SHEET E306 FOR FIRE ALARM DESIGN.



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SHEET **E405**

**FIRE ALARM - 5TH FLOOR PLAN**

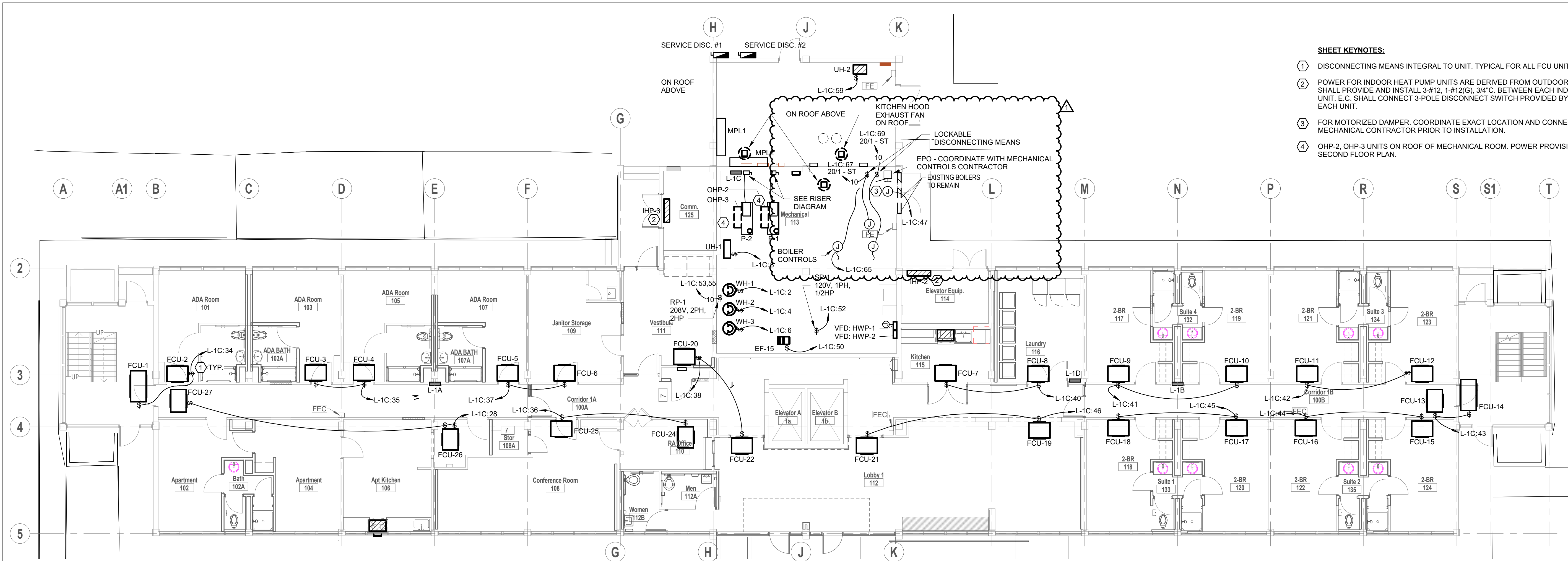
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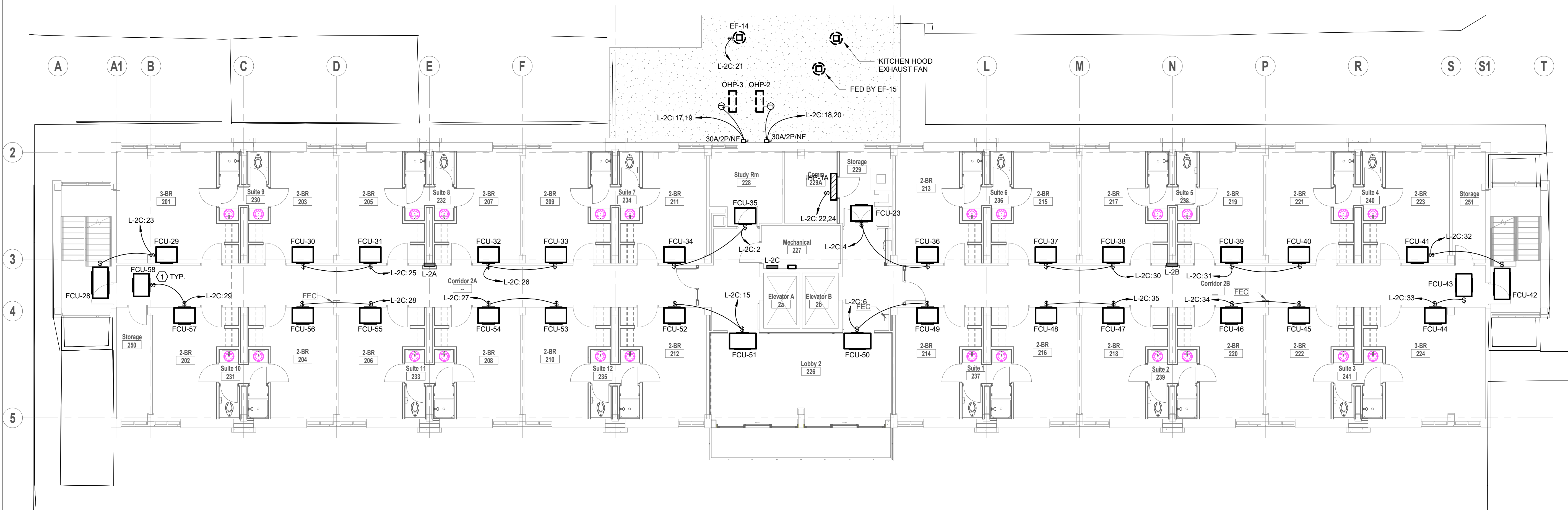
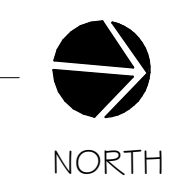
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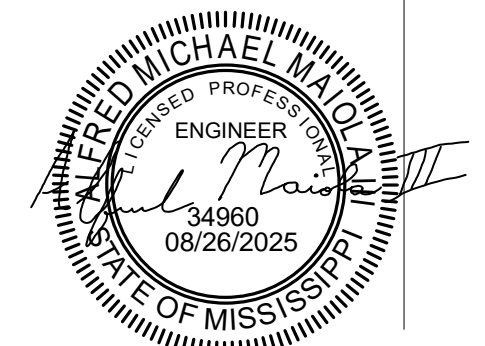
**2 MECHANICAL CONNECTIONS - 1ST FLOOR PLAN**  
1/8" = 1'-0"



**1 MECHANICAL CONNECTIONS - 2ND FLOOR PLAN**  
1/8" = 1'-0"



- SHEET KEYNOTES:**
- DISCONNECTING MEANS INTEGRAL TO UNIT. TYPICAL FOR ALL FCU UNITS
  - POWER FOR INDOOR HEAT PUMP UNITS ARE DERIVED FROM OUTDOOR HEAT PUMP. E.C. SHALL PROVIDE AND INSTALL 3-#12, 1-#12(G), 3/4" C. BETWEEN EACH INDOOR AND OUTDOOR UNIT. E.C. SHALL CONNECT 3-POLE DISCONNECT SWITCH PROVIDED BY MECHANICAL FOR EACH UNIT.
  - FOR MOTORIZED DAMPER. COORDINATE EXACT LOCATION AND CONNECTION POINT WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.
  - OHP-2, OHP-3 UNITS ON ROOF OF MECHANICAL ROOM. POWER PROVISIONS SHOWN ON SECOND FLOOR PLAN.



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SHEET **E501**

**MECHANICAL CONNECTIONS - 1ST & 2ND FLOOR PLAN**

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