

**ENGINEERING HALL SPRINKLER AND GAS PIPING – PHASE 2  
UNIVERSITY OF WISCONSIN - MADISON  
MADISON, WISCONSIN**

**ADDENDUM #2**

UWSA Project No. **A-23-003**

**April 16, 2024**

For the Board of Regents of the University of Wisconsin  
On Behalf of the University of Wisconsin – Madison  
1860 Van Hise Hall, 1220 Linden Drive  
Madison, Wisconsin 53703

**Affiliated Engineers, Inc.  
5802 Research Park Blvd.  
Madison, WI, 53719  
Phone: 608-238-2616**

**ADDENDUM #2**

ISSUE DATE: **April 16, 2024**

RE:                   **ENGINEERING HALL SPRINKLER AND GAS PIPING – PHASE 2**  
**UNIVERSITY OF WISCONSIN – MADISON**  
UWSA Project No. **A-23-003**

BID OPENING:      For MEP BIDDERS: 2:00 PM., THURSDAY, MAY 2, 2024  
For GENERAL PRIME CONTRACTORS: 2:00 PM, THURSDAY, MAY 16, 2024

FROM:               **Affiliated Engineers, Inc.**  
**5802 Research Park Blvd.**  
**Madison, WI 53719**

TO:                   Prospective Bidders

This addendum forms a part of the Contract Documents and modifies the original Contract Documents dated **January 30, 2024** as noted below. Acknowledge receipt of this addendum by inserting the number and issue date of this addendum in the blank space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

This Addendum consists of **one-hundred twenty-four (124) pages (including this text document of 7 pages)**.

**CHANGES TO BIDDING REQUIREMENTS**

1. Table of Contents GPC
  - a. Added new Electrical and Mechanical sheets.
  
2. Table of Contents MEP
  - a. Added new Electrical and Mechanical sheets.
  
3. Table of Contents Technical Sections
  - a. Added new Electrical and Mechanical sheets.
  
4. Instructions to Bidders GPC
  - a. Section 23. Work By The Owner
    - i. Removed Asbestos Abatement
  
5. Division 1 – General Requirements - GPC
  - a. Section 5. Hazardous Substances – Asbestos, Lead and Polychlorinated Biphenyls (PCB's)
    - i. Updated language regarding the scope of work responsibility for Asbestos Containing Materials and Abatement.
  
6. Instructions to Bidders MEP
  - a. Section 22. Work By The Owner
    - i. Removed Asbestos Abatement
  
7. Division 1 – General Requirements - MEP
  - a. Section 5. Hazardous Substances – Asbestos, Lead and Polychlorinated Biphenyls (PCB's)
    - i. Updated language regarding the scope of work responsibility for Asbestos Containing Materials and Abatement.

CHANGES TO SPECIFICATIONS (DIVISIONS 2 THRU 34):

1. None.

CHANGES TO DRAWINGS:

1. Sheet AD10B.1 - Basement Demolition Floor Plan - East
  - a. Replace Drawing Sheet AD10B.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
2. Sheet AD10B.2 - Basement Demolition Floor Plan - West
  - a. Replace Drawing Sheet AD10B.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
3. Sheet AD11B.1 - Basement Demolition Reflected Ceiling Plan - East
  - a. Replace Drawing Sheet AD11B.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
4. Sheet AD11B.2 - Basement Demolition Reflected Ceiling Plan - West
  - a. Replace Drawing Sheet AD11B.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
5. Sheet AD101.1 - First Floor Demolition Plan - East
  - a. Replace Drawing Sheet AD101.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend

1. Correct misspelling.
6. Sheet AD101.2 - First Floor Demolition Plan - West
  - a. Replace Drawing Sheet AD101.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
7. Sheet AD102.1 - Second Floor Demolition Plan - East
  - a. Replace Drawing Sheet AD102.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
8. Sheet AD102.2 - Second Floor Demolition Plan - West
  - a. Replace Drawing Sheet AD102.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
9. Sheet AD103.1 - Third Floor Demolition Plan - East
  - a. Replace Drawing Sheet AD103.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
10. Sheet AD103.2 - Third Floor Demolition Plan - West
  - a. Replace Drawing Sheet AD103.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend

1. Correct misspelling.
11. Sheet AD104.1 - Fourth Floor Demolition Plan - East
  - a. Replace Drawing Sheet AD104.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
12. Sheet AD104.2 - Fourth Floor Demolition Plan - West
  - a. Replace Drawing Sheet AD104.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
13. Sheet AD105.1 - Penthouse Demolition Floor Plan - East
  - a. Replace Drawing Sheet AD105.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
14. Sheet AD105.2 - Penthouse Demolition Floor Plan - West
  - a. Replace Drawing Sheet AD105.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 5 and replace it with "Not Used".
      2. Revise General Note 6 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
    - ii. Demo Plan Symbol Legend
      1. Correct misspelling.
15. Sheet AD111.1 - First Floor Demolition Reflected Ceiling Plan - East
  - a. Replace Drawing Sheet AD111.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."

16. Sheet AD111.2 - First Floor Demolition Reflected Ceiling Plan - West
  - a. Replace Drawing Sheet AD111.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
17. Sheet AD112.1 - Second Floor Demolition Reflected Ceiling Plan - East
  - a. Replace Drawing Sheet AD112.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
18. Sheet AD112.2 - Second Floor Demolition Reflected Ceiling Plan - West
  - a. Replace Drawing Sheet AD112.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
19. Sheet AD113.1 - Third Floor Demolition Reflected Ceiling Plan - East
  - a. Replace Drawing Sheet AD113.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
20. Sheet AD113.2 - Third Floor Demolition Reflected Ceiling Plan - West
  - a. Replace Drawing Sheet AD113.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
21. Sheet AD114.1 - Fourth Floor Demolition Reflected Ceiling Plan - East
  - a. Replace Drawing Sheet AD114.1 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."

22. Sheet AD114.2 - Fourth Floor Demolition Reflected Ceiling Plan - West
  - a. Replace Drawing Sheet AD114.2 with revised, issued with this addendum.
    - i. General Notes
      1. Delete General Note 4 and replace it with "Not Used".
      2. Revise General Note 5 and replace it with "If Hazardous Materials are encountered, follow procedures described in Section 10.3 Hazardous Materials and Substances, of AIA Document A201 General Conditions of the Contract. Refer also to Division 1 – General Requirements, Section 5 Hazardous Substances. Follow all applicable local, state, and federal regulations pertaining to hazardous materials."
23. Sheet P10B.1 – PLUMBING BASEMENT PLAN – EAST
  - a. Add this sheet to account for an additional gas detection sensor above existing valves in the hydrogen system.
24. Sheet P702 – GAS DETECTION SCHEDULES
  - a. Add this sheet to account for an additional gas detection sensor above existing valves in the hydrogen system.
25. Sheet MD11B.2 - MECHANICAL BASEMENT DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
26. Sheet MD111.1 - MECHANICAL FIRST FLOOR DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
27. Sheet MD111.2 - MECHANICAL FIRST FLOOR DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
28. Sheet MD112.1 - MECHANICAL SECOND FLOOR DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
29. Sheet MD112.2 - MECHANICAL SECOND FLOOR DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
30. Sheet MD113.1 - MECHANICAL THIRD FLOOR DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
31. Sheet MD113.2 - MECHANICAL THIRD FLOOR DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
32. Sheet MD114.1 - MECHANICAL FOURTH FLOOR DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
33. Sheet MD114.2 - MECHANICAL FOURTH FLOOR DEMO RCP
  - a. New sheet added to account for existing mechanical diffuser quantities in existing ceilings impacted by new fire protection work.
34. Sheet F002 – FIRE PROTECTION CEILING SCHEDULE
  - a. Fixed discrepancies in ceiling schedule.
35. Sheet ED11B.1 – ELECTRICAL BASEMENT DEMO RCP - EAST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
36. Sheet ED11B.2 – ELECTRICAL BASEMENT DEMO RCP - WEST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
37. Sheet ED111.1 – ELECTRICAL FIRST FLOOR DEMO RCP - EAST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.

38. Sheet ED111.2 – ELECTRICAL FIRST FLOOR DEMO RCP - WEST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
39. Sheet ED112.1 – ELECTRICAL SECOND FLOOR DEMO RCP - EAST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
40. Sheet ED112.2 – ELECTRICAL SECOND FLOOR DEMO RCP - WEST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
41. Sheet ED113.1 – ELECTRICAL THIRD FLOOR DEMO RCP - EAST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
42. Sheet ED113.2 – ELECTRICAL THIRD FLOOR DEMO RCP - WEST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
43. Sheet ED114.1 – ELECTRICAL FOURTH FLOOR DEMO RCP - EAST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
44. Sheet ED114.2 – ELECTRICAL FOURTH FLOOR DEMO RCP - WEST
  - a. New sheet added to account for existing lighting fixture quantities in existing ceilings impacted by new fire protection work.
45. Sheet E12B.2 – ELECTRICAL BASEMENT FLOOR SYSTEMS PLAN
  - a. Added sheet keynote 4.
  - b. Added (4) tamper switches for existing control valves.
  - c. Revised location of fire alarm devices from B551 to B553.
46. Sheet E800 – ELECTRICAL SCHEDULES
  - a. Revised description in motor schedule from Preaction Air Compressor to Nitrogen Generator.

END OF ADDENDUM

**Affiliated Engineers, Inc.**  
**5802 Research Park Blvd.**  
**Madison, WI, 53719**

For the Board of Regents of the University of Wisconsin  
On Behalf of the University of Wisconsin – Madison  
1860 Van Hise Hall, 1220 Linden Drive  
Madison, Wisconsin 53703



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29  
30 **1. DEFINITIONS**

31 In this document, the following terms are defined as:

32  
33 (a) "Mechanical, electrical, or plumbing subcontractor" ("MEP Subcontractor") is a contractor that performs  
34 mechanical (Heating, Ventilating, and Air Conditioning), electrical, plumbing, or fire protection (fire suppression) work  
35 for the Project, and enters into a contract with the General Prime Contractor to perform their division of work.

36  
37 (b) "Qualified bidder" means a contractor that the department certifies under Wis. Stat. s. 16.855(9m)(b)1.

38  
39 (c) "Qualified responsible bidder" means a contractor who is a Qualified bidder and who is a Responsible bidder.

40  
41 (d) "Responsible bidder" means a contractor that the department certifies under Wis. Stat. s. 16.855(9m)(b)2.

42  
43 (e) "Single prime contracting" means bidding and contracting through a process in which only a general prime  
44 contractor has a contractual relationship with the owner and all mechanical, electrical, or plumbing subcontractors are  
45 identified by the department and are subcontractors to the General Prime Contractor.

46  
47 (f) "General Prime Contractor" ("GPC") is a contractor that enters into a contract with the owner to perform all work  
48 as required by the Contract Documents and enters into contracts with subcontractors including MEP Subcontractors  
49 identified by the Owner.

50  
51 (g) "Non-MEP Subcontractor" is a subcontractor to a General Prime Contractor in divisions of work other than  
52 mechanical, electrical, plumbing, and fire protection. This includes suppliers and installers to the General Prime  
53 Contractor.

54  
55 (h) "Subcontractor" is all subcontractors on a project. This includes MEP Subcontractors, subcontractors to the  
56 MEP Subcontractors, and Non-MEP Subcontractors.  
57

1 (i) "Contractor" is all contractors working on a project regardless of contractual relationship. This includes the  
2 General Prime Contractor, MEP Subcontractors, Non-MEP Subcontractors, and all Subcontractors, regardless of tier of  
3 subcontract.  
4

## 5 **2. GENERAL**

6 Time for bid opening shall be the prevailing central standard or daylight saving time in force at Madison, Wisconsin, on  
7 the date set forth in the Invitation to Bid.  
8

9 All potential bidders must be certified by DOA prior to submitting bids on state construction projects over \$50,000. All  
10 bids received from contractors who are not certified will be rejected. Contractor certification applications and instructions  
11 for completing the form may be obtained from the DOA Website Contractor Certification page:  
12 <https://doa.wi.gov/Pages/DoingBusiness/ContractorCertification.aspx>.  
13

14 The Owner will issue an addendum if a successful MEP bid is withdrawn or rejected after the MEP Subcontractors have  
15 been identified but before the General Prime Contractor bid opening, This addendum will include a revised list of  
16 successful MEP bids that must be included in General Prime Contractor bids and will move the General Prime Contractor  
17 bid opening five (5) days later to allow bidders sufficient time to update their bids based on the revised MEP list.  
18

19 Before submitting a bid, the Bidder shall examine all of the Bidding and Contract Documents listed in the Table of  
20 Contents of these specifications. The successful Bidder will be required to do all work which is shown on the drawings,  
21 mentioned in the specifications or reasonably implied as necessary to complete the contract for this project.  
22

23 Failure to visit the site or failure to examine any and all Bidding and Contract Documents will in no way relieve the  
24 successful Bidder from the necessity of furnishing any materials or equipment, or performing any work, that may be  
25 required to complete the work in accordance with the Bidding and Contract Documents. Neglect of above requirements  
26 will not be accepted as reason for delay in the work or additional compensation.  
27

28 All bidders shall have established and diligently maintained a satisfactory safety program, and if eligible for Experience  
29 Modification Rating (EMR), must have a rating of 1.20 or less as established by the Wisconsin Compensation Rating  
30 Bureau (WCRB) or the National Council on Compensation Insurance (NCCI).  
31

## 32 **3. DRAWINGS AND SPECIFICATIONS**

33 The drawings and specifications that form a part of these Bidding Documents are all the documents (drawings,  
34 specifications, etc) in this invitation to bid.  
35

36 Complete sets of Contract Documents for all trades will be issued to all Bidders, irrespective of the category of work to  
37 be bid on, in order that all Bidders may be familiar with the work of other trades as they affect their bid.  
38

## 39 **4. INTERPRETATION**

40 No verbal explanation or instructions will be given in regard to the meaning of the drawings or specifications during the  
41 bid period. Bidders shall bring inadequacies, omissions or conflicts to the Architect/Engineer's attention at least ten (10)  
42 days before the date set for bid opening. Prompt clarification will be supplied to all bidders of record by addendum.  
43

44 Failure to so request clarification or interpretation of the drawings and specifications will not relieve the successful Bidder  
45 of responsibility. Signing of the contract will be considered as implicitly denoting that the Contractor has thorough  
46 understanding of the scope of work and comprehension of the contract documents.  
47

48 Neither the Architect/Engineer nor the Owner will be responsible for verbal instructions.  
49

## 50 **5. MANDATORY PRE-BID DOA CERTIFICATION**

51 All potential bidders must become certified as qualified and responsible bidders **before** they can bid on state projects  
52 over \$50,000. The criteria for determining certification of qualified and responsible bidders are itemized in Wis. Stat. s.  
53 16.855(9m). If the Owner determines that more experience is necessary for a particular project, the Owner may include  
54 additional requirements.  
55

1 **6. BID GUARANTEE**

2 A bid bond prepared on the Bid Bond Form bound herein, payable to the Owner in the amount not less than 10% of the  
3 maximum bid shall accompany each bid as a guarantee. A bank certified check or a cashier's check may accompany  
4 each bid as a guarantee pursuant to Wis. Stat. s. 779.14(1m)(c)2.b. and 779.14(1s). Failure to enter into the contract  
5 with the Owner (including failure to obtain certificate of insurance and separate 100% performance and 100% payment  
6 bonds) may result in forfeiture of the Bid Bond. The company issuing the Bonds must be licensed to do business in  
7 Wisconsin.  
8

9 Any bid which is not accompanied by a bid guarantee will not be accepted and will not be read at the bid opening.

10  
11 All checks tendered as bid guarantee, except those of the three lowest bidders, will be returned to their makers within  
12 three (3) days after bid opening. All such retained checks will be returned immediately upon execution of the contract  
13 between the General Prime Contractor and the Owner.  
14

15 **7. WITHDRAWAL OF BIDS**

16 Prior to the time fixed for bid opening, bids may be withdrawn by written request from the Bidder, without prejudice to the  
17 right of the Bidder to file a new bid. Withdrawn bids will be returned unopened.  
18

19 After the bid has been opened, negligence on the part of the Bidder in preparing their bid confers **no** right for withdrawal  
20 of the bid without penalty.  
21

22 If a bid contains an error, omission, or mistake, the bidder may limit liability to the amount of their bid guarantee by giving  
23 the Owner written Notice, within seventy-two (72) hours of the bid opening, of their intent not to execute the contract with  
24 the owner. If no such notice is given, the Owner reserves the right to obtain the amount of the difference in bid price  
25 between the low bidder and the next low bidder.  
26

27 **8. CONTRACT FORM**

28 These specifications include a copy of the contract the successful Bidder is required to enter into with the owner. Bidders  
29 shall read and understand the conditions contained in this contract. The successful Bidder will be offered a contract via  
30 email to the contact provided by the bidder on the Bid Form.  
31

32 **9. CONTRACT INTERESTS BY STATE PUBLIC OFFICIALS**

33 In accordance with section 19.45(6) of the Wisconsin Statutes, no state public official, member of a state public official's  
34 immediate family, nor any organization with which the state public official or a member of the official's immediate family  
35 owns or controls at least 10% of the outstanding equity, voting rights, or outstanding indebtedness may enter into any  
36 contract or lease involving a payment or payments of more than \$3,000 within a twelve (12) month period, in whole or in  
37 part derived from state funds unless the state public official has first made written disclosure of the nature and extent of  
38 such relationship or interest to the board and to the department acting for the state in regard to such contract or lease.  
39 Any contract or lease entered into in violation of this subsection may be voided by the owner in an action commenced  
40 within three (3) years of the date on which the ethics board, or the department or officer acting for the state in regard to  
41 the allocation of state funds from which such payment is derived, knew or should have known that a violation of this  
42 subsection had occurred. This subsection does not affect the application of s.946.13.  
43

44 **10. DISCLOSURE OF OWNERSHIP**

45 The Bidder shall disclose on the date of submitting a bid for this project, the name of any construction business of which  
46 the Bidder has had a 25% or greater interest as a shareholder, officer, partner, or owner at any time during the preceding  
47 three (3) years, if said construction business has been found by the Department of Workforce Development to have failed  
48 to pay the prevailing wage rate or at least 1.5 times the hourly basic rate of pay for hours worked in excess of the  
49 prevailing hours of labor to any employee at any time within the preceding three (3) years.  
50

51 The "Disclosure of Ownership" form may be obtained at no charge from the Department of Workforce Development,  
52 Equal Rights Division, P.O. Box 8928, Madison, Wisconsin 53708.  
53

54 **11. MINORITY BUSINESS ENTERPRISE AND DISABLED VETERAN-OWNED BUSINESS INVOLVEMENT**

55 "Minority Business Enterprise" (MBE) means: a business certified by the Wisconsin Supplier Diversity Program under  
56 Wis. Stat. s. 16.287(2).  
57

1 “Disabled Veteran–Owned Business” (DVB) means: a business certified by the Wisconsin Supplier Diversity Program  
2 under Wis. Stat. s. 16.283(3).  
3

4 In awarding construction contracts, the University of Wisconsin System Administration shall attempt to ensure that 5  
5 percent of the total amount expended in each fiscal year is awarded to contractors which are minority businesses. The  
6 General Prime Contractor Bidder shall make every effort to award a minimum of 15% of the work to minority business  
7 enterprises (MBE) involvement for all projects within 60 mile radius of Milwaukee and 5% for projects located elsewhere.  
8

9 In awarding construction contracts, the University of Wisconsin System Administration shall attempt to ensure that at  
10 least 1 percent of the total amount expended each fiscal year is awarded to contractors that are disabled veteran-owned  
11 businesses.  
12

13 In order to assist the department in these endeavors we strongly encourage General Prime Contractors to use MBEs  
14 and DVBs.  
15

16 General Prime Contractor Bidders shall submit a “Form A Affidavit of Compliance – Minority Business Enterprise and  
17 Disabled Veteran-Owned Business Provision” within seven days of the general prime contractor contract offer. This form  
18 should indicate the percentage of MBE/DVB participation commitment. All MEP Subcontractor Bidders shall also make  
19 every effort to encourage MBE and DVB involvement.  
20

21 For assistance in identifying DOA certified MBE and DVB companies, please contact the Department of Administration  
22 Supplier Diversity Program at: [DOABDMBD@wisconsin.gov](mailto:DOABDMBD@wisconsin.gov), or by telephone at: (608)267-9550, or visit their website  
23 at: <http://www.doa.wi.gov/Divisions/Enterprise-Operations/Supplier-Diversity-Program>.  
24

## 25 **12. SUBSTANCE ABUSE PREVENTION**

26 Mission/Purpose: The University of Wisconsin System Administration recognizes and supports drug-free workplace  
27 programs as an important element in the national strategy to reduce the devastating effects of drug and alcohol abuse  
28 in our society. the Owner requires contractors, subcontractors, suppliers and vendors to establish and enforce drug-free  
29 workplace policies and programs that conform to Sec 103.503 of the Wisconsin Statutes.  
30

31 Statement: The possession, use of, distribution or purchase of illegal drugs, or use of alcohol at work by any employee  
32 on University of Wisconsin System Administration construction job sites, is strictly prohibited.  
33

34 The terms of this Substance Abuse Program Statement shall cover all construction personnel who are working on  
35 University of Wisconsin System Administration job sites. This includes employees of all Contractors, Subcontractors,  
36 contractor suppliers, and their employees working at the job site.  
37

38 General Prime Contractor's and Subcontractor's Written Program: Each General Prime Contractor and Subcontractor  
39 shall have in place a written Substance Abuse Program conforming to Sec 103.503(3) of the Wisconsin Statutes.  
40

41 In addition, representatives of the Owner who believe that any General Prime Contractor's or Subcontractor's employee  
42 may be under the influence of alcohol or drugs shall, where deemed appropriate, contact the General Prime Contractor's  
43 or Subcontractor's appropriate management/supervision authority and request that appropriate action be taken. The  
44 General Prime Contractor's or Subcontractor's employer shall immediately remove an employee who is suspected of  
45 being under the influence of illegal drugs or alcohol shall be immediately removed from the job site.  
46

47 Procedures for testing and handling of positive drug tests shall be in compliance and consistent with State and Federal  
48 laws.  
49

50 Costs of Substance Abuse Programs and Testing: The cost associated with the development, implementation and  
51 enforcement of Substance Abuse Programs and any testing required shall be the responsibility of each individual General  
52 Prime Contractor and Subcontractor for their respective employees working on the job site. The Owner will not be  
53 responsible for any cost of substance abuse testing, rehabilitation or medical reviews related to substance abuse.  
54

55 The General Prime Contractor and Subcontractors shall indemnify and hold the Owner harmless from any damages or  
56 other costs incurred that are related to the implementation or enforcement of any substance abuse policy or program.  
57

1 **13. METHOD OF AWARD - RESERVATION**

2 **General prime contractor bids that do not include the successful MEP bids identified by the Owner will be**  
3 **rejected.**

4  
5 The general prime contract will be awarded based on the following, as long as the cost does not exceed the amount of  
6 project funds available:

7  
8 The lowest dollar amount is submitted by a qualified, responsible, certified bidder on a SINGLE BASE BID for  
9 all work comprising the project.

10  
11 Should a qualified, responsible, certified minority business enterprise or disabled veteran-owned business submit a bid  
12 that is no more than 5% higher than the apparent low bid, the Contract may be awarded to the minority business  
13 enterprise or disabled veteran-owned business.

14  
15 Firms wishing to be considered for the 5% bidding preference must be certified as a minority business enterprise or  
16 disabled veteran-owned business by the Wisconsin Supplier Diversity Program should indicate in the space provided on  
17 the Bid Form that preference is requested.

18  
19 The Owner reserves the right to reject any and all bids, or to waive any informality in any bid, or to accept any bid which  
20 will serve the best interests of the Owner.

21  
22 Informational Bids will not be considered in establishing low bidder.

23  
24 **14. SECURITY FOR SEPARATE 100% PERFORMANCE AND SEPARATE 100% PAYMENT**

25 Bidder is required to furnish separate 100 % performance and 100 % payment bonds to the benefit of the Board of  
26 Regents of the University of Wisconsin as the sole obligee. These bonds shall be delivered to the Owner with the signed  
27 contract. The Surety Company shall be licensed to do business in Wisconsin. The Bond must be dated the same date  
28 or subsequent to the date of the Contract.

29  
30 A certified copy of power of attorney shall be provided by the Surety Company showing that the agent who signs the  
31 Bond has the power of attorney to sign for the Surety Company. This power of attorney must be signed by the Secretary  
32 or Assistant Secretary of the company and not by an attorney-in-fact. The power of attorney must bear the same or later  
33 date as the bond.

34  
35 If the Bidder is a partnership or a joint venture, a certified list providing the names of individuals constituting the  
36 partnership or joint venture must be furnished. The Contract itself may be signed by one partner of the partnership, or  
37 one partner of each firm comprising the joint venture, but the separate Performance and Payment Bonds must be signed  
38 by all of the partners.

39  
40 If the Bidder is a corporation, a current certified copy of the resolution or other official act of the directors of the corporation  
41 must be submitted showing that the person who signs the contract is authorized to sign contracts for the corporation.  
42 The corporate seal must be affixed to the resolution, contract, and separate performance and payment bonds. If the  
43 Bidder's corporation has no seal, the above documents must include a statement or notation to the effect that the  
44 corporation has no seal.

45  
46 **15. TAXES**

47 The Bidder shall include in the bid all taxes required by law.

48  
49 In accordance with section 71.80(16)(a), Wis. Stats., SURETY BOND; NONRESIDENT CONTRACTOR. "All  
50 nonresident persons, whether incorporated or not, engaging in construction contracting in this state as contractor or  
51 subcontractor and not otherwise regularly engaged in business in this state, shall file a surety bond with the  
52 department (Wisconsin Department of Revenue MS 5-77 Attn: Non-Resident Surety Bonds, 2135 Rimrock Rd.,  
53 Madison, WI 53713, telephone (608)266-2776) payable to the department of revenue, to guarantee the payment of  
54 income taxes, required unemployment compensation contributions, sales and use taxes and income taxes withheld  
55 from wages of employees, together with any penalties and interest thereon. The amount of the bond shall be 3% of  
56 the contract or subcontract price on all contracts of \$50,000 or more..."

1 As the Board of Regents is an exempt entity, building materials purchased for this project are exempt. The University  
2 of Wisconsin System CES number: 040706. The Certificate of Exempt Status (CES) will be provided to the awarded  
3 Contractor upon request.  
4

#### 5 **16. SUBMISSION OF BIDS**

6 All bids shall be submitted on the standard Bid Forms and only bids that are made on the Bid Forms will be considered.  
7 The entire Bid Form including the Addendum Receipt/Signature page, the Bid Bond Form, (if used), and other supporting  
8 documents (if any), shall be filled out and submitted in the manner specified hereinafter. SPECIFICATIONS SHALL NOT  
9 ACCOMPANY BID.  
10

11 No bids for any subdivision or any subclassification of this work, except as indicated, will be accepted. Any conditional  
12 bid, amendment to the Bid Form or appendant thereto, the inclusion of any correspondence, written or printed matter,  
13 unsolicited material or data, or details of any nature other than the information specifically called for, will disqualify the  
14 Bid. Telecommunication alterations to the bid will not be accepted.  
15

16 Space is provided on the Bid Form for General Prime Contractor's single bid. Appropriate insertions are as follows:  
17 numerals indicating the cost of the work, \$0 if there is no cost for the work, or the words 'No Bid' if the bidder is not  
18 intending to bid the work. Blank space(s) will be considered the same as 'No Bid'.  
19

#### 20 **Bidders shall submit a Single Base Bid for all the work.**

21  
22 Spaces are also provided on the Bid Form for General Prime Contractor's to list the successful MEP Subcontractors bids  
23 included in the General Prime Contractor's single base bid.  
24

#### 25 **General prime contractor bids that do not include the successful MEP bids identified by the Owner will be 26 rejected.**

27  
28 Any addendum issued during the time of bidding shall become a part of the Contract Documents. Bidders shall  
29 acknowledge receipt of such addendum in the appropriate space provided on the Bid Form. Bid will be rejected if receipt  
30 of an addendum applicable to the award of contract has not been acknowledged on the Bid Form.  
31

32 The Owner is not responsible for bids not clearly labeled as required. Bids shall be signed, sealed, and delivered to the  
33 place indicated in the Invitation to Bid before the time designated in the Invitation to Bid. All bids shall be identified with  
34 the Project Name, Project Number, Project Location, Category of Work being bid on, Bid Date, and the Name and  
35 Address of Bidder.  
36

37 Bidder shall be responsible for the bid being delivered to the place designated for the bid opening before the time  
38 specified. Bids received after the time indicated in the Invitation to Bid will be rejected and returned to Bidder unopened.  
39

40 Bid will be considered invalid and will be rejected if it has not been signed by the Bidder.  
41

42 Bids will be rejected if the bidder is not certified by DOA in the division(s) of work they bid on and/or if their bid amount  
43 exceeds their certification threshold in that division of work.  
44

#### 45 **17. BASE BID**

46 Base Bids shall be received as follows:  
47 SINGLE BASE BID FOR ALL THE WORK.  
48

49 Base Bid No. 1. All Work, as per specification Divisions 2 thru 33, applicable provisions of Division 1 and related drawings.  
50

#### 51 **18. INFORMATIONAL BIDS**

52 None.  
53

#### 54 **19. UNIT PRICES**

55 None.  
56



1 **20. STATED ALLOWANCES**

2 None.

3  
4 **21. SUBCONTRACTORS**

5 **GENERAL PRIME CONTRACTOR SUBCONTRACT WITH MEP SUBCONTRACTORS:**

6 The successful General Prime Contractor shall offer a subcontract to the successful MEP Subcontractors identified by  
7 the Owner and included in the General Prime Contractor's bid. This subcontract between a General Prime Contractor  
8 and a MEP Subcontractor must include a scope of work clause identical to the scope of work clause included in the Bid  
9 Documents and the contract between the General Prime Contractor and the owner. A General Prime Contractor and an  
10 MEP Subcontractor may not enter any agreement in connection with bids submitted that would alter or affect the scope  
11 or price of the contracts entered into. This prohibition does not apply to the Owner change orders that result in changes  
12 to the plans or specifications, or to back charges allowed by the contract.

13  
14 The General Prime Contractor must base the Project Schedule on the schedule that the MEP Subcontractors and  
15 General Prime Contractors bid on (in the specifications or bid instructions), unless otherwise agreed to by the MEP  
16 Subcontractor.

17  
18 As the work progresses under any MEP subcontract for construction of a project, the General Prime Contractor shall,  
19 upon request of a subcontractor, pay to the subcontractor an amount equal to the proportionate value of the  
20 subcontractor's work properly completed, less retainage. The retainage shall be an amount equal to not more than 5  
21 percent of the subcontractor's work completed until 50 percent of the subcontractor's work has been completed. At 50  
22 percent completion, no additional amounts may be retained, and partial payments shall be made in full to the  
23 subcontractor unless the department certifies that the subcontractor's work is not proceeding satisfactorily. At 50 percent  
24 completion or any time thereafter when the progress of the subcontractor's work is not satisfactory, additional amounts  
25 may be retained but the total retainage may not be more than 10 percent of the value of the work completed. Upon  
26 substantial completion of the subcontractor's work, any amount retained shall be paid to the subcontractor, less the value  
27 of any required corrective work or uncompleted work. All payments the General Prime Contractor makes under this  
28 paragraph shall be within 7 calendar days after the date on which the General Prime Contractor receives payment from  
29 the department.

30  
31 The contract entered into between the General Prime Contractor and an MEP Subcontractor must contain all of the  
32 following clauses:

33  
34 **Scope of Work.** The MEP Subcontractor scope of work is identical to the General Prime Contractor scope of  
35 work included in these bidding and contract documents. By submitting and signing a bid, all bidders have  
36 examined all of the Bidding Documents listed in the Table of Contents of the project specifications. The  
37 successful bidders will be required to do all work which is shown on the drawings, mentioned in the  
38 specifications, or reasonably implied as necessary to complete the division of work bid for this project.

39  
40 **Prompt Payment.** (General prime contractor) shall pay (mechanical, electrical, or plumbing subcontractor) in  
41 accordance with section 16.855(19)(b), Wisconsin stats, for work that has been satisfactorily completed and  
42 properly invoiced by (mechanical, electrical, or plumbing subcontractor). A payment is timely if it is mailed,  
43 delivered, or transferred to (mechanical, electrical, or plumbing subcontractor) by the deadline under section  
44 16.855(19)(b), Wisconsin stats.

45 If (mechanical, electrical, or plumbing subcontractor) is not paid by the deadline in this contract, (general prime  
46 contractor) shall pay interest on the balance due from the eighth day after the (general prime contractor)  
47 receives payment from the University of Wisconsin System Administration for the work for which payment is  
48 due and owing to (mechanical, electrical, or plumbing subcontractor), at the rate specified in section 71.82,  
49 Wisconsin stats., compounded monthly.

50 A (mechanical, electrical, or plumbing subcontractor) that receives payment as provided under this contract  
51 and that subcontracts with another entity shall pay those subcontractors, and be liable for interest on late  
52 payments to those subcontractors, in the same manner as the (general prime contractor) is required to pay the  
53 (mechanical, electrical, or plumbing subcontractor) under this contract.

54  
55 **Insurance and Bonds.** (Mechanical, electrical, or plumbing subcontractor) shall not commence work under  
56 this contract until it has obtained all necessary insurance required of (mechanical, electrical, or plumbing  
57 subcontractor) in the contract between the (general prime contractor) and the University of Wisconsin System

1 Administration. (mechanical, electrical, or plumbing subcontractor) shall provide a separate 100 percent  
2 performance bond and a separate 100 percent payment bond to the benefit of the (general prime contractor)  
3 as the sole named obligee. Original bonds shall be given to the (general prime contractor) and a copy shall be  
4 given to the University of Wisconsin System Administration no later than 10 days after execution of this  
5 contract.  
6

7 **Indemnification.** To the fullest extent permitted by law, (mechanical, electrical, or plumbing subcontractor)  
8 shall defend, indemnify, and hold harmless (general prime contractor) and its officers, directors, agents, and  
9 any others whom (general prime contractor) is required to indemnify under its contract with the Owner, and the  
10 employees of any of them, from and against claims, damages, fines, penalties, losses, and expenses, including  
11 but not limited to attorney fees, arising in any way out of or resulting from the performance of the work under  
12 this contract, but only to the extent such claim, damage, fine, penalty, loss, or expense: (1) is attributable to  
13 bodily injury, sickness, disease, or death, or to injury to or destruction of property, including but not limited to  
14 loss of use resulting therefrom and is caused by the negligence, or acts or omissions, of (mechanical, electrical,  
15 or plumbing subcontractor), its subcontractors, any of their employees, and anyone directly or indirectly  
16 employed by them or anyone for whose acts they may be liable, or (2) as related to such claims, damages,  
17 fines, penalties, losses, and expense of or against (general prime contractor), results from or arises out of the  
18 negligence of the (general prime contractor) or other fault in providing general supervision or oversight of the  
19 work of (mechanical, electrical, or plumbing subcontractor) or (3) as related to claims, damages, fines,  
20 penalties, losses, and expense against the University of Wisconsin System Administration, arises out of the  
21 department's status as owner of the project or project site.  
22

23 In addition (mechanical, electrical, or plumbing subcontractor) shall defend, indemnify, and hold harmless  
24 (general prime contractor) and its officers, directors, agents, and any others (general prime contractor) is  
25 required to indemnify under its contract with the department, and the employees of any of them, from any  
26 liability, including liability resulting from a violation of any applicable safe place act, that (general prime  
27 contractor) or the owner incurs to any employee of (mechanical, electrical, or plumbing subcontractor) or any  
28 third party where the liability arises from a derivative claim from said employee, when the liability arises out of  
29 the failure of the (general prime contractor) or the owner to properly supervise, inspect, or approve the work or  
30 work area of (mechanical, electrical, or plumbing subcontractor), but only to the extent that the liability arises  
31 out of the acts or omissions of (mechanical, electrical, or plumbing subcontractor), its employees, or anyone  
32 for whom (mechanical, electrical, or plumbing subcontractor) may be liable, or from (mechanical, electrical, or  
33 plumbing subcontractor's) breach of its contractual responsibilities or arises out of (general prime contractor's)  
34 negligence or other fault in providing general supervision or oversight of (mechanical, electrical, or plumbing  
35 subcontractor's) work or arises out of the University of Wisconsin System Administration's status as owner of  
36 the project or project site. In claims against (general prime contractor) or the owner by an employee of  
37 (mechanical, electrical, or plumbing subcontractor) or its subcontractors or anyone for whose acts (mechanical,  
38 electrical, or plumbing subcontractor) may be liable, the indemnification obligation of this paragraph is not  
39 limited by a limitation on amount or type of damage, compensation, or other benefits payable by or for the  
40 (mechanical, electrical, or plumbing subcontractor) subcontractors under workers compensation act.  
41

42 Except as identified above, the obligations of (mechanical, electrical, or plumbing subcontractor) under this  
43 indemnification do not extend to the liability of (general prime contractor) and its agents or employees arising  
44 out of (1) preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs, or  
45 specifications; (2) the giving of or failure to give directions or instructions by the (general prime contractor) or  
46 the University of Wisconsin System Administration or their agents or employees provided the giving or failure  
47 to give is the cause of the injury or damage; or (3) the acts or omissions of other subcontractors.  
48

49 **Retainage.** Retainage shall occur and be in amounts and on a schedule equal to that in the contract between  
50 (general prime contractor) and the University of Wisconsin System Administration.  
51

## 52 **22. COMMENCEMENT AND COMPLETION**

53 The successful General Prime Contractor Bidder shall commence work upon an executed contract with Owner. The  
54 General Prime Contractor shall not Mobilize until the date to be specified in a written "Notice to Proceed" issued by the  
55 Owner, and to fully complete all the work for Substantial Completion **no later than 05/22/2026**. Completion time will be  
56 converted to a specific date at the time the "Notice to Proceed" is issued.

1 The construction duration and below milestone dates are based on the current bidding schedule, and subject to  
 2 modification if bidding does not proceed as planned. Refer also to General Conditions for additional information in  
 3 regards to time for completion.

4  
 5 **The General Prime Contractor must base the Project Schedule on the schedule that the MEP Subcontractors**  
 6 **and General Prime Contractors bid on (in the specifications or bid instructions), unless otherwise agreed to by**  
 7 **the MEP Subcontractor.** These milestones will be incorporated into the master project schedule after the Notice to  
 8 Proceed is issued. The schedule must include, but is not limited to, the following milestone categories as they apply to  
 9 the project:  
 10

Start Date (Month/Year)	End Date (Month/Year)	Schedule Milestones
7/2024	7/2024	Contracts
7/2024	12/2024	Field Verification / Takeoff for Fire Protection Submittal
12/2024	12/2024	State AHJ Fire Protection Submittal
1/2025	1/2025	State AHJ Fire Protection Approval
2/2025	6/2025	Winter 2024 - Spring 2025 Work
6/2025	6/2025	Winter 2024 – Spring 2025 Work: Substantial Completion
7/2025	7/2025	Winter 2024 – Spring 2025 Work: 100% Punchlist Work Items Complete
6/2025	1/2026	Summer 2025 – Fall 2025 Work
1/2026	1/2026	Summer 2025 – Fall 2025 Work: Substantial Completion
2/2026	2/2026	Summer 2025 – Fall 2025 Work: 100% Punchlist Work Items Complete
1/2026	5/2026	Winter 2025 Work
5/2026	5/2026	Winter 2025 Work: Substantial Completion
6/2026	6/2026	Winter 2025 Work: 100% Punchlist Work Items Complete
7/2026	7/2026	100% of Closeout Activities Complete

11  
 12  
 13 **23. WORK BY THE OWNER**  
 14 The following work will be accomplished by the Owner or will be let under separate contracts and will not be included  
 15 under the General Prime Contract:

16  
 17 DOOR HARDWARE:  
 18 Cylinders and cores are Owner provided and installed by the UW Lock Shop. Latches, latch sets and closers will be  
 19 provided by the UW Lock Shop for installation by the contractor.

20  
 21 ASBESTOS ABATEMENT:  
 22 ~~See General Requirements, HAZARDOUS SUBSTANCES for regulatory requirements, materials testing results, and~~  
 23 ~~General Prime Contractor's responsibility regarding ACM.~~

24  
 25 \*\*\*

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1 **DIVISION 1 - GENERAL REQUIREMENTS** (Rev 11/2022)  
2 UW-Madison Project No. 0408 2331 / UWSA Project No. A-23-003

3  
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45  
46 **1. DEFINITIONS**

47 In this document, the following terms are defined as:

48  
49 (a) "Mechanical, electrical, or plumbing subcontractor" ("MEP Subcontractor") is a contractor that performs  
50 mechanical (Heating, Ventilating, and Air Conditioning), electrical, plumbing, or fire protection (fire suppression) work  
51 for the Project, and enters into a contract with the General Prime Contractor to perform their division of work.

52  
53 (b) "Qualified bidder" means a contractor that DOA certifies under Wis. Stat. s. 16.855(9m)(b)1.

1  
2 (c) "Qualified responsible bidder" means a contractor who is a Qualified bidder and who is a Responsible bidder.

3  
4 (d) "Responsible bidder" means a contractor that DOA certifies under Wis. Stat. s. 16.855(9m)(b)2.

5  
6 (e) "Single prime contracting" means bidding and contracting through a process in which only a general prime  
7 contractor has a contractual relationship with the Owner and all mechanical, electrical, or plumbing subcontractors are  
8 identified by the Owner and are subcontractors to the General Prime Contractor.

9  
10 (f) "General Prime Contractor" is a contractor that enters into a contract with the Owner to perform all work as  
11 required by the Contract Documents and enters into contracts with subcontractors including MEP Subcontractors  
12 identified by the Owner.

13  
14 (g) "Non-MEP Subcontractor" is a subcontractor to a General Prime Contractor in divisions of work other than  
15 mechanical, electrical, plumbing, and fire protection. This includes suppliers and installers to the General Prime  
16 Contractor.

17  
18 (h) "Subcontractor" is all subcontractors on a project. This includes MEP Subcontractors, subcontractors to the  
19 MEP Subcontractors, and Non-MEP Subcontractors.

20  
21 (i) "Contractor" is all contractors working on a project regardless of contractual relationship. This includes the  
22 General Prime Contractor, MEP Subcontractors, Non-MEP Subcontractors, and all Subcontractors, regardless of tier of  
23 subcontract.

## 24 25 **2. GENERAL**

26 All articles in these General Requirements are applicable to all Divisions and Sections of the Work included herein. The  
27 Conditions of the Contract, General and Supplementary General Conditions, and these General Requirements shall  
28 apply with equal force and effect to the General Prime Contractor and all Subcontractors engaged in this work.

29  
30 Contractor or the Contractor's authorized representative must be present to accept delivery of all equipment and material  
31 shipments. The Owner will not knowingly accept, unload or store anything delivered to the site for the Contractor's use.  
32 Inadvertent acceptance of delivered items by any representative or employee of the Owner shall not constitute  
33 acceptance or responsibility for any of the materials or equipment. It is the Contractor's responsibility to assume liability  
34 for equipment or material delivered to the job site.

## 35 36 **3. SPECIAL SITE CONDITIONS**

37 Confine all operations, equipment, apparatus and storage of materials, to the immediate area of work to the greatest  
38 possible extent. Contractor shall ascertain, observe and comply with all rules and regulations in effect on the project  
39 site, including but not limited to parking and traffic regulations, use of walks, security restrictions and hours of allowable  
40 ingress and egress. Any special traffic control during construction involving lane closures shall be in accordance with  
41 the federal standard, Manual of Uniform Traffic Control Devices.

42  
43 The Contractor shall take all measures necessary to become acquainted with the location of underground service,  
44 utilities, structures, etc., which may be encountered or be affected by the Contractor's work, and shall be responsible for  
45 damage caused by neglect to provide proper precautions or protection. As a minimum to become acquainted with such  
46 underground appurtenances, the Contractor shall: 1) Observe existing conditions visible at the site immediately prior to  
47 commencement of work; 2) Review available site plans incorporated in the contract documents and/or provided by the  
48 Owner; 3) Final check with the Owner for additions to or changes from conditions indicated on site plans for the facility;  
49 and 4) Obtain input from the "one-call system", the organization composed of all suppliers of utilities/services to or from  
50 the site.

51  
52 Information pertaining to existing conditions that are described in the specifications or appear on the drawings, is based  
53 on available records. While such data has been collected with reasonable care, there is no expressed or implied  
54 guarantee that conditions so indicated are entirely representative of those actually existing. This information is provided

1 to inform the Contractor of known, existing conditions so that due diligence is taken by the Contractor to avoid damage.  
2 Where site observation or documents indicate existing underground utilities/services in close proximity (within four feet  
3 horizontally and/or four feet vertically) to necessary new construction work, the Contractor shall be responsible to test,  
4 probe or otherwise determine exact locations so as to prevent damage to such utilities/services.  
5

6 Existing pipes, electrical work, and all other utilities encountered, which may interfere with new work, shall be re-routed,  
7 capped, cut off, or replaced by the contractor having jurisdiction, in accordance with the Bidding and Contract Documents.  
8

9 **Any noisy and disruptive activities will need to be coordinated with the Owner and occur before 9am or after  
10 4pm, Monday through Friday or between 6am and 6pm on Saturday or Sunday.**

11  
12 **Students and staff will occupy Engineering Hall during the entire period of this renovation and will be present  
13 in higher capacities during months which fall within the academic school year.**

14  
15 Limit use of premises to work in the areas indicated. Do not disturb portions of the site beyond areas in which work is  
16 indicated. General, confine construction operations to areas defined within Project Limits, unless specifically noted or  
17 otherwise and/or approved by Owner. Confine storage of materials and support facilities to designated staging areas.  
18

19 Parking at or near the project site is restricted. Contractor's truck or working vehicles will be permitted to drive on  
20 premises only for the purpose of loading and unloading materials and equipment for this project and only if keys are  
21 removed and all doors locked when not in use. **No Contractor's will be allowed to park inside of the construction fence.  
22 Free parking passes will not be provided. Contractors may park remotely and carpool to the project site, or may purchase  
23 parking permits as space is available from Transportation Services ([www.fpm.wisc.edu/trans](http://www.fpm.wisc.edu/trans)). Vehicles in violation of  
24 University parking regulations are subject to fine.**  
25

26 **Owner will designate an area in a building which can be used by workers for eating lunch and for toilet needs. Toilets  
27 used by workers shall be kept clean and sanitary at all times.**  
28

29 All buildings at this site will be occupied during the construction.  
30

31 To ensure the safety of persons at the University, the following safety measures should be observed:

32 Contractor shall instruct their workers not to leave any openings in barricades, or to leave tools, equipment, or  
33 materials lying around in any area where persons may traverse. Surfaces of barricades, enclosures, etc., must  
34 be smooth with no protruding nails or other sharp projections or edges on side toward existing occupied areas,  
35 corridors, connecting links, etc.  
36

37 Outdoor lanes for emergency exit from existing buildings which may lie within or adjacent to new construction area must  
38 be kept clear of obstructions at all times.  
39

40 The Owner reserves the right to occupy and place and install equipment in completed areas of construction. Such  
41 placement of equipment and partial occupancy shall not constitute acceptance of the Work. The Owner will prepare a  
42 Certificate of Substantial Completion for each specific portion of the work to be occupied before occupancy. Before  
43 partial occupancy, mechanical and electrical systems shall be fully operational and required documents and inspections  
44 shall be successfully completed. On final completion, the Owner will operate, and maintain mechanical and electrical  
45 systems serving occupied portions of the building. On Substantial Completion, the Owner will assume responsibility for  
46 maintenance and custodial service for occupied portions of the building.  
47

#### 48 **4. INSPECTION OF SURFACES**

49 Contractor shall obtain complete data at the site and inspect surfaces that are to receive the Work before proceeding  
50 with fabricating, assembling, fitting or erecting any work under this contract.  
51

1 Contractor shall notify the Owner in writing in case of discrepancies between existing work and drawings, and of any  
2 defects in such surfaces that are to receive the Contractor's work. The Owner will evaluate the notice and direct what  
3 remedial action will be taken.

4 Starting of work implies acceptance of existing work or the work of others. Removal and replacement of work applied to  
5 defective surfaces, in order to correct defects, shall be done at the expense of the Contractor who applied work to  
6 defective surfaces.

## 8 **5. HAZARDOUS SUBSTANCES - ASBESTOS, LEAD AND POLYCHLORINATED BIPHENYLS (PCB'S)**

9 Airborne asbestos fibers, lead, and PCB compounds, if encountered, have been determined to be hazardous to one's  
10 health. Compliance with all possible applicable regulations is the Contractor's responsibility. Contractor shall not provide  
11 or install any product that contains any amount of asbestos or PCB. See General Requirements, CLEANING AND  
12 WASTE DISPOSAL for disposal of hazardous waste, if encountered.

### 14 ASBESTOS

15 Contractor's attention is directed to WAC NR 447, WAC DSS 159 and the Occupational Safety and Health Act (OSHA)  
16 in general, part 1926.1101--ASBESTOS in particular. Contractor is responsible for compliance with all applicable  
17 regulations when the work includes fastening to or coring through Asbestos Containing Materials (ACM) and disturbance  
18 of asbestos containing caulking and mastics. Contractor is responsible for removal and disposal of Category I non-  
19 friable ACM that will be disturbed by the work. Unless otherwise indicated, all caulking, sealants, glazing compounds,  
20 gaskets, asphalt roofing materials and miscellaneous adhesives are assumed to contain asbestos and are considered  
21 to be Category I non-friable ACM as defined in NR 447. Waste material containing Category I non-friable ACM, is  
22 regulated as Construction and Demolition (C&D) waste and may be disposed of at a Department of Natural Resources  
23 (DNR) approved C & D waste landfill. If Contractor's work methods cause non-friable ACM to become friable, the  
24 Contractor is responsible for the disposal of the friable asbestos waste at a landfill specifically approved by DNR to  
25 accept friable asbestos. A copy of the signed waste manifest for the disposal of all friable asbestos waste shall be  
26 provided to the Owner prior to request for final payment.

28 ~~The Owner, under a separate abatement contract, will remove hard packed pipe fittings, pipe insulation, resilient floor  
29 tile, mastic, ceramic tile grout and mortar. Hard packed pipe fittings might be present in inaccessible spaces that will be  
30 disturbed by the GPC's work. If encountered, the GPC is to mark the extent of hard packed pipe fittings to be removed.  
31 Allow five consecutive days in the construction schedule during each phase of demolition for asbestos abatement.  
32 Coordinate work with asbestos abatement contractor (AAC) who will require sole occupancy of the workspace during  
33 asbestos abatement.~~

35 If hazardous materials are ~~not anticipated, but~~ encountered, follow procedures described in Section 10.3 Hazardous  
36 Materials and Substances, of AIA Document A201 General Conditions of the Contract.

### 39 Lead Based Paint

40 Paint is assumed to contain lead. Conform to OSHA and EPA recommended worker safety requirements when removing  
41 lead based paint or material bearing lead based paint or material contaminated with lead by the demolition process.  
42 Contractor's attention is directed to the Occupational Safety and Health Act (OSHA) in general and particularly to 29  
43 CFR 1910 (LEAD STANDARD) and to CFR 1926 (LEAD EXPOSURE IN THE CONSTRUCTION INDUSTRY). Dispose  
44 of refuse containing lead based paint or contaminated with lead by the demolition process in conformance with State of  
45 Wisconsin Hazardous Waste Regulations set forth by the Department of Natural Resources and in conformance with  
46 OSHA and EPA recommended worker safety requirements.

### 48 PCB'S

49 Contractor's attention is directed to Wisconsin Administrative Code, Chapter NR 157 relative to PCB's. Refer to Division  
50 26, Electrical within these specifications for work involving PCB's.

## 52 **6. SOIL TEST BORINGS**

53 Not applicable to this project.



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**7. MUTUAL RESPONSIBILITY**

Contractor(s) shall coordinate the work with adjacent work and shall cooperate with all other contractors to facilitate the general progress of the work. Each contractors shall afford all other contractors every reasonable opportunity for the installation of their work and for the storage of their material. In no case will the Contractor(s) be permitted to exclude from the premises or work, any other Contractor or employees thereof, or interfere with any other Contractor in the executing or installation of their work.

Contractor(s) shall arrange the work and dispose of materials so as not to interfere with the work or storage of materials of others and each shall join their work to that of others in accordance with the intent of the drawings and specifications. All Contractors shall work in cooperation with the General Prime Contractor and with each other, and fit their work into the structure as job conditions may demand. All final decisions as to the right-of-way and run of pipe, ducts, etc., shall be made by the Owner at prearranged meetings with responsible representatives of the Contractors involved.

**8. PROJECT MEETINGS**

Project meetings will be held at the time designated by the Owner. Contractor, when requested, shall attend these meetings. If the principal of the firm does not attend meetings, a responsible representative of the Contractor who can bind the Contractor to a decision at the meetings shall attend.

The Architect/Engineer or a representative thereof will write a report covering all items discussed and decisions reached and copy of such report distributed to all parties involved.

**9. SLEEVES AND OPENINGS**

Each Contractor requiring sleeved openings shall furnish all sleeves required for their penetrations whether or not they responsible for providing the respective openings. Contractors furnishing sleeves to others for installation shall do this in a timely manner so as not to impede the project schedule.

Openings shown on the structural and/or architectural drawings shall be the responsibility of the General Prime Contractor. Sleeves furnished by other contractors for openings shown on the structural and/or architectural drawings shall be installed by the General Prime Contractor.

Openings that are required and are not shown on the structural and/or architectural drawings shall be the responsibility of the contractor requiring the openings. The contractor requiring the opening shall install sleeves for these openings or cut openings as needed (including floor openings within chases).

Individuals skilled in such work shall accomplish installation of sleeves and openings. Each Contractor shall be responsible for coordinating locations of their sleeves with work of other contractors.

Each Contractor who requires sleeves and/or openings shall submit through the Contractor, to the Owner for review and approval, layout drawings of all such required sleeves and/or openings. Sleeve and opening layout drawings shall be received by the Owner a minimum of two weeks prior to installation of the sleeves and openings. Sleeve and opening sizes and locations shall be dimensioned from column lines and floor elevations or from a point of reference approved by the Owner.

**10. CUTTING AND PATCHING**

Cutting and patching required to access work in existing walls, in chases, above inaccessible ceilings, below floors, etc., shall be by the Contractor who requires the access, unless shown on the bid documents otherwise or noted otherwise.

The Contractor shall do all cutting, or fitting of the work as required to make its several parts fit together, or to receive the work of others, as shown or reasonably implied by the drawings or specifications, or as may be directed by the Owner. Holes cut in exterior walls and/or roofs shall be waterproofed.

1 The Contractor who cuts shall also be responsible for patching. Where cutting and patching is required, the Contractor  
2 shall hire individuals skilled in such work to do cutting and patching.

3  
4 The Contractor who removes or relocates building components which leaves a remaining opening shall be responsible  
5 for patching the opening.

6  
7 Patching includes repairing openings to match adjacent construction and painting the surface to match existing. Painting  
8 means covering the entire wall where patching is to be done to nearest break point or corner unless indicated to be done  
9 by other contractors.

10  
11 Contractor shall not endanger any work by cutting, digging or otherwise and shall not cut or alter the work of others  
12 without their consent.

13  
14 Do not pierce beams or columns without permission of the Owner and then only as directed in writing. If any ductwork,  
15 piping, conduit, etc. is required through walls or floors where no sleeve has been provided, use a core drill or saw cut to  
16 prevent damage and structural weakening.

17  
18 Wherever any material, finish, or equipment, is damaged, the skilled contractor shall accomplish the repair or  
19 replacement, in that particular work and the cost shall be charged to the party responsible for the damage.

20  
21 **11. MANUFACTURER'S DIRECTIONS**

22 Contractors shall apply, install, connect, erect, use, clean and condition manufactured articles, materials, and equipment  
23 as recommended by the manufacturer, unless specified to the contrary. The manufacturer's latest recommendations at  
24 the time of bidding shall be used.

25  
26 **12. LAYOUT**

27 The General Prime Contractor shall immediately upon entering the site for purpose of beginning work, locate general  
28 reference points and take such action as is necessary to prevent their destruction. Each Contractor shall lay out its work  
29 and be responsible for all lines, elevations and measurements of the building and other work executed under its Contract.  
30 Each Contractor must exercise proper precaution to verify dimensions on the drawings before laying out work and will  
31 be held responsible for any error resulting from failure to exercise such precaution.

32  
33 Using datum furnished by the Owner, the lot lines and present levels have been established as shown on the drawings.  
34 Other grades, lines, levels and benchmarks, shall be established and maintained by each Contractor, who shall be  
35 responsible for them.

36  
37 As work progresses, the General Prime Contractor shall lay out on forms and floor, the locations of all partitions, walls  
38 and fix column centerlines as a guide to all contractors.

39  
40 The General Prime Contractor shall make provision to preserve property line stakes, benchmarks, or datum point. If any  
41 are lost, displaced or disturbed through neglect of any Contractor, Contractor's agents or employees, the Contractor  
42 responsible shall pay the cost of restoration.

43  
44 Each Contractor shall verify grades, lines, levels, locations and dimensions as shown on drawings and report any errors  
45 or inconsistencies to the Owner before commencing work. Starting of work by each Contractor shall imply acceptance  
46 of existing conditions.

47  
48 **13. SUPERVISION**

49 The General Prime Contractor shall take complete charge of the work under this contract and coordinate the work of all  
50 contractors on the project.

51  
52 **14. FIELD OFFICES**

53 Not required.

1  
2 **15. STAIRS AND SCAFFOLDS**

3 The General Prime Contractor shall:

4 Furnish and maintain equipment such as temporary stairs, fixed ladders, ramps, chutes, runways and the like as required  
5 for proper execution of work by all contractors, and shall remove them on completion of the work.  
6

7 Erect permanent stair framing as soon as possible. Provide stairs with temporary treads, handrails, and shaft protection.  
8

9 Contractors requiring scaffolds shall make arrangements with the General Prime Contractor, or shall provide their own  
10 and remove them on completion of the work. Each Contractor shall underlay its interior scaffolds with planking to prevent  
11 uprights from resting directly on the floor construction.  
12

13 **16. HOISTS, ELEVATORS OR CRANES**

14 Each separate contractor shall provide and pay for its own hoist/crane or other apparatus necessary for unloading/setting  
15 or moving their equipment and materials. Installation and removal of equipment for this activity must be accounted for  
16 in the Project Schedule.  
17

18 Equipment and operations for this activity shall comply with applicable Department of Safety and Professional Services  
19 and OSHA requirements. No material hoist may be used to transport personnel unless it meets Department of Safety  
20 and Professional Services and OSHA requirements for that purpose.  
21

22 Contractors shall provide any protection required, temporary or long term, to prevent damage to work in place or in  
23 progress. When hoisting activity results in such damage, the responsible contractor shall pay for cleaning, repair or  
24 replacement of material or equipment as determined by the Owner.  
25

26 Equipment, that imposes loads of any kind on work in place, shall not be erected without agreement from the Owner.  
27

28 At their own discretion, two or more contractors may agree to use common hoisting facilities. Under such arrangements,  
29 the allocation of costs, access and scheduling and all other details of the agreement are the responsibility of the  
30 contractors involved.  
31

32 Existing elevators may be used on a limited basis with the Owner's permission and agreement. Costs of warranty  
33 extensions and additional service work required will be paid by the using contractor. Appropriate protection must be  
34 provided by the using contractor and that contractor shall be responsible for any structural, mechanical or finish damage  
35 to the elevator and its parts and to adjoining building finishes and components.  
36

37 **17. SIGNS**

38 No project sign required.  
39

40 No individual advertising signs, plaques or credits, temporary or permanent, will be permitted on the building or premises,  
41 except the name of the Contractor on Contractor's office or material shed.  
42

43 **18. FENCE**

44 Construction Staging Areas/Materials Storage Areas: the Owner will assign required Construction Site Staging Areas  
45 and Material Storage Areas as required on this project. The General Prime Contractor shall provide an eight-foot (8'-0")  
46 high, temporary chain-link construction fence around the site construction staging/material storage areas as required to  
47 secure the staging area(s) and construction materials stored on site. Contractor shall construct of standard studded T-  
48 Posts of sufficient length for line posts and spaced not to exceed 8'-0" apart. Corner posts and gate posts are to be  
49 galvanized steel pipe of not less than 2 1/2" o.d. and shall be properly braced. Note: Plastic fencing or wooden snow  
50 fence is not acceptable. Provide gates, properly constructed and braced, complete with hinges, hasps, and padlocks in  
51 number and location required for proper control, delivery and distribution of material and equipment. Gate posts shall  
52 be adequately back tied and anchored to insure a rigid installation. All protective fencing shall be maintained in an  
53 upright, orderly fashion throughout the construction schedule.

1  
2 **19. ROADWAY**

3 Not applicable to this project.  
4

5 **20. TOILETS**

6 The General Prime Contractor shall arrange with Owner to use existing toilet facilities at building site. Toilets used by  
7 workers shall be kept clean and sanitary at all times.  
8

9 **21. TELEPHONES**

10 It is expected that each contractor have access to their own cell phone for their own use. No additional telephone service  
11 will be provided.  
12

13 **22. WATER SUPPLY**

14 The General Prime Contractor shall arrange with the Owner to use nearby existing water service.  
15

16 Toilets and slop sinks used by workers shall be kept clean and sanitary at all times.  
17

18 The General Prime Contractor shall supply water required for construction and other purposes from the existing  
19 building plumbing system.  
20

21 The General Prime Contractor shall prevent waste of water and shall maintain valves, connections, and hoses in  
22 perfect condition, at all times. Contractors shall provide their own hose or piping from hose bibs.  
23

24 **23. TEMPORARY ELECTRICAL WORK**

25 Duplex receptacles (120 volts) are available in each of the existing areas where work is performed for use of small hand  
26 tools when available.  
27

28 If a Contractor contemplates the use of equipment that requires a different voltage or greater capacity than that specified,  
29 then that Contractor must arrange with utility for this additional service and pay for installation of the service and the  
30 necessary additional switches and wiring required.  
31

32 The Electrical Contractor shall provide, at no cost to others, all lamps, wiring, switches, sockets and similar equipment  
33 required for temporary system until substantial completion. Upon completion of the project, the Electrical Contractor  
34 shall remove the temporary system.  
35

36 The temporary lighting system shall be sufficient to enable all contractors to safely complete their work and to enable the  
37 Owner to check all work as it is being done. Illumination shall be 5 foot-candles minimum in all areas and, in addition,  
38 shall meet or exceed the requirements of 29 CFR 1926.56 Illumination (OSHA regulations).  
39

40 In accordance with the latest issue of the National Electrical Code, all temporary electrical circuits for construction  
41 purposes shall be equipped with combination ground fault interrupter and circuit breakers meeting the requirements of  
42 UL for Class A, Group 1 devices. The ground fault interrupter portion shall be solid state type, insulated and isolated  
43 from the breaker mechanism. A test button shall be provided for checking the device. The breaker mechanism shall  
44 provide overload and short circuit protection and shall be operated by a toggle switch with overcenter switching  
45 mechanism so that contact cannot be held closed.  
46

47 All contractors shall furnish their extension cords and lamps other than those furnished for general lighting.  
48

49 All contractors and other separate Contractors shall be allowed to use the service provided for general lighting and  
50 fractional horsepower hand tools at no cost.  
51

1 The General Prime Contractor shall be compensated by those requiring three phase and single-phase energy used for  
2 equipment other than fractional horsepower hand tools. Arrangements shall be made with the General Prime Contractor  
3 before construction equipment is used.  
4

#### 5 **24. COLD WEATHER PROTECTION**

6 All heating and protective covering, required to protect the work from injury due to freezing and moisture during the  
7 construction period and prior to enclosure of the building, shall be classed as COLD WEATHER PROTECTION. Such  
8 protection shall be provided and paid for by the General Prime Contractor.  
9

10 Heat required to protect materials from injury due to freezing during the construction period and prior to enclosure, shall  
11 be provided by means of portable heating units intended for this purpose.  
12

13 All heating units must be approved types. Proper ventilation must be provided. The use of temporary units whose  
14 product of combustion will damage fresh concrete, mortar or other building materials, will not be allowed. Use of coke  
15 or oil salamanders is prohibited.  
16

17 If electrical power is required for oil or gas portable heating units, it may be taken from the available temporary power  
18 source and paid for by the General Prime Contractor.  
19

20 Heating units and the area surrounding the units shall be kept in a clean and safe condition.  
21

#### 22 **25. ENCLOSURE**

23 The General Prime Contractor should provide approved translucent material for temporary enclosure of exterior wall  
24 openings if they have not received final louvers. Plain or reinforced polyethylene film or other suitable translucent material  
25 will be acceptable, provided it is installed in or on a well fitting rigid wood frame and kept in good repair. This means of  
26 temporary enclosure shall be used for other minor openings in walls.  
27

28 At the end of day's work, securely close temporary enclosures. Padlock work area doors. The General Prime Contractor  
29 shall supervise the effectiveness of enclosures.  
30

#### 31 **26. TEMPORARY HEAT**

32 All heating required after enclosure of the building up to substantial completion shall be classified as TEMPORARY  
33 HEAT. Enclosure is defined in the preceding Article.  
34

35 It shall be the responsibility of the General Prime Contractor to see that every precaution is used to prevent unnecessary  
36 escape of heat.  
37

38 For installations that are not connected to central plant steam or central plant hot water, the General Prime Contractor  
39 shall pay the fuel costs for temporary heat for both permanent heating systems used for temporary heat and/or temporary  
40 heating systems used for temporary heat.  
41

42 The General Prime Contractor shall pay for all electrical energy consumed for temporary heat.  
43

44 The Mechanical Contractor shall provide one of the following systems or a combination thereof, for furnishing temporary  
45 heat:  
46

47 Permanent heating system may be used for temporary heating. If permanent system is used, the Mechanical Contractor  
48 shall install in their permanent location heating coils or connectors as approved by the Owner, with controls to maintain  
49 temperatures required. Temporary filters shall be used in the permanent system. Provide bases, shields, etc., around  
50 heating elements to prevent too rapid drying of adjacent concrete, masonry or plaster. Relocation of some of the  
51 permanent heating system equipment may be required during construction to prevent interference with new construction.  
52 Temporary units may be installed in such areas during the time permanent equipment is not operating due to relocation.  
53

1 The distribution piping of the permanent heating system may be utilized for supply and return to unit heaters on each  
2 floor in lieu of temporary piping, provided approved connections, controls and protection of such piping is maintained.  
3

4 If the permanent air system is used during temporary heating period, temporary filters shall be provided in the system  
5 and they shall have efficiency equal to the permanent filters. The return air ductwork shall be protected from construction  
6 dirt by temporary filters placed over return openings.  
7

8 If the Mechanical Contractor does not have one of the above systems in operation by the time the building is enclosed,  
9 then the Mechanical Contractor shall provide, maintain and supervise the operation of temporary portable units with  
10 necessary automatic controls to provide required temperatures. Current required may be taken from the temporary  
11 electrical service. See "Temporary Electrical Installation". Cost of fuel to operate portable units shall be paid by the  
12 General Prime Contractor.  
13

14 All electrical wiring required for temporary heating units shall be furnished and installed by Mechanical Contractor, from  
15 temporary wiring service. Electrical wiring to permanent equipment used for temporary heating that has been mounted  
16 in its permanent location shall be wired by contractors skilled in that work.  
17

18 The use of open salamanders as portable heating units will not be approved. All portable temporary heating units shall  
19 be properly ventilated to prevent combustion gases from remaining in the heating area.  
20

21 The Mechanical Contractor must ascertain if heating equipment will operate on the temporary electrical service available.  
22 If service is insufficient to operate equipment, Mechanical Contractor shall make other arrangements.  
23

24 The Mechanical Contractor shall be responsible for the proper adjustment and maintenance of the system, and shall  
25 supervise and be responsible for the operation of the system used for temporary heating until the Owner occupies the  
26 building. Supervision shall include periodic checking of operation as required.  
27

28 A minimum temperature of 45 degrees and a maximum temperature of 60 degrees for the building shall be maintained  
29 by the Mechanical Contractor, except for a period of at least ten days prior to the placing of interior woodwork and  
30 throughout the placing of this and other finish, varnishing, painting, etc., and until substantial completion to provide  
31 sufficient heat to insure a temperature in the spaces involved of not less than 70 degrees nor more than 80 degrees.  
32

33 The temporary heating system shall be removed by the Mechanical Contractor after the permanent heating system has  
34 been installed and operating. Surfaces and structure shall be patched as required. Temporary heating equipment shall  
35 be relocated by the Mechanical Contractor as required during construction to prevent interference with new construction.  
36

37 At completion of construction work or when temporary heat is no longer required, Mechanical Contractor must repair any  
38 damage done to permanent equipment during temporary heating period and also perform the necessary cleaning of all  
39 ducts and equipment. The Mechanical Contractor shall provide permanent filters to the complete satisfaction of the  
40 Owner.  
41

## 42 **27. FIRE PROTECTION**

43 The General Prime Contractor shall provide and maintain in working order during the entire construction period, a  
44 minimum of three (3) fire extinguishers on each floor level, including basement of the building, and one (1) in temporary  
45 office. Extinguishers shall be non-freeze type such as A-B-C rated dry chemical, of not less than 10-pound capacity  
46 each. In addition, any Subcontractor who maintains an enclosed shed on the site shall provide and maintain, in an  
47 accessible location, one or more similar nonfreezing type fire extinguisher in each enclosed shed.  
48

## 49 **28. WATCHPERSONS**

50 Watchpersons will not be furnished by the Owner. The Contractor shall provide such precautionary measures, to include  
51 the furnishing of watchpersons if deemed necessary, to protect persons and property from damage or loss where the  
52 Contractor's work is involved.  
53

1 **29. STORAGE OF MATERIALS**

2 Contractor shall confine equipment, apparatus, storage of materials and operations to limits indicated on the drawings  
3 or by specific direction of the Owner and shall not bring material onto the site until they are needed for the progress of  
4 the work.

5  
6 The storage of materials on the grounds and within the building shall be in strict accordance with the instructions of the  
7 Owner. Storage of materials within the building shall at no time exceed the design carrying capacity of the structural  
8 system.

9  
10 All materials affected by moisture shall be stored on platforms and protected from the weather.

11  
12 All materials shall be stored in a manner that prevents release of hazardous material to the environment.

13  
14 All hazardous materials, including motor fuels, shall be properly handled and contained to prevent spills or other releases.  
15 The General Prime Contractor shall develop and maintain a contingency plan to provide emergency response,  
16 containment, and cleanup of spills of hazardous materials resulting from contract activities. All spills and releases shall  
17 be reported to the Owner as soon as possible.

18  
19 During the construction of this building, materials, construction sheds, and earth stockpiles shall be located so as not to  
20 interfere with the installation of the utilities nor cause damage to existing lines.

21  
22 The Contractor shall allot space to others for storage of their materials, and erection of their sheds.

23  
24 *Should it be necessary at any time to move material sheds or storage platforms, the Contractor shall move same at the  
25 Contractor's expense, when directed by Owner.*

26  
27 Repairing of areas used for placing of sheds, offices, and for storage of materials shall be done by the Contractor.

28  
29 **30. PROTECTION OF FINISHED CONSTRUCTION**

30 Contractor shall assume the responsibility for the protection of all finished construction under the Contract and shall  
31 repair and restore any and all damage of finished work to its original state.

32  
33 Wheeling of any loads over any type of floor, either with or without plank protection, will be permitted only in rubber tired  
34 wheelbarrows, buggies, trucks or dollies.

35  
36 Where structural concrete is also the finished surface, care must be taken to avoid marking or damaging those surfaces.

37  
38 **31. PROTECTION IN GENERAL**

39 All structures and equipment shall be constructed, installed and operated with guards, controls and other devices in  
40 place.

41  
42 *Temporary pumps required for pumping water from building excavation or from building proper shall be provided by the  
43 General Prime Contractor, including temporary connections. Plumbing Contractor shall install permanent sump basins  
44 and piping where and when required. Permanent sump pumps shall not be installed until building is substantially  
45 complete and when approved by Owner. The General Prime Contractor shall remove temporary pumps and connections  
46 when approved by Owner.*

47  
48 The General Prime Contractor shall:

49 Provide, erect and maintain all required planking, barricades, guard rails, temporary walkways, etc., of sufficient size and  
50 strength necessary for protection of stored material and equipment; paved surfaces, walks, curbs, gutters and drives;  
51 streets adjacent to or within project area; adjoining property and all project work to prevent accidents to the public and  
52 the workmen at the job site.

1 Notify adjacent property owners if their property interferes with the work so that arrangements for proper protection can  
2 be made.

3  
4 Provide and maintain proper shoring and bracing to prevent earth from caving or washing into the building excavation.  
5 Provide temporary protection around openings through floors and roofs, including elevator openings, stairwells, and edge  
6 of slabs.

7  
8 Provide and maintain proper shoring and bracing for existing underground utilities, sewers, etc., encountered during  
9 excavation work, to protect them from collapse or other type of damage until such time as they are to be removed,  
10 incorporated into the new work, or can be properly backfilled upon completion of new work.

11  
12 Provide protection against rain, snow, wind, ice, storms, or heat to maintain all work, materials, apparatus, and fixtures,  
13 incorporated in the work or stored on the site, free from injury or damage. At the end of the day's work, cover all new  
14 work likely to be damaged. Remove snow and ice as necessary for safety and proper execution of the work.

15  
16 Protect the building and foundations from damage at all times from rain, ground water and back-up from drains or sewers.  
17 Provide all equipment and enclosures as necessary to provide this protection.

18  
19 Damaged property shall be repaired or replaced in order to return it to its original condition. Damaged lawns shall be  
20 replaced with sod.

21  
22 Protect materials, work and equipment, not normally covered by above protection, until construction proceeds to a point  
23 where the general building protection of the area where located, dispenses with the necessity therefore. Protect work  
24 outside of the building lines such as trenches and open excavations, as specified above.

25  
26 Take all necessary precautions to protect the Owner's property as well as adjacent property, including trees, shrubs,  
27 buildings, sanitary and storm sewers, water piping, gas piping, electric conduit or cable, etc., from any and all damage  
28 which may result due to work on this project.

29  
30 Repair work outside of property line in accordance with the requirements of the authority having jurisdiction.

31  
32 Repair any work, damaged by failure to provide proper and adequate protection, to its original state to the satisfaction of  
33 the Owner or remove and replace with new work at the Contractor's expense.

34  
35 Protect trees indicated on the drawings to remain and trees in locations that would not interfere with new construction,  
36 from all damage. Do not injure trunks, branches, or roots of trees that are to remain. Do cutting and trimming only as  
37 approved and as directed by Owner.

38  
39 The value of trees destroyed or damaged will be charged against the account of the Contractor responsible for the  
40 damage in an amount equal to the expense of replacing the trees with those of similar kind and size.

#### 41 42 **32. CLEANING AND WASTE DISPOSAL**

43 Contractor shall be responsible for all cleaning required within the technical sections of the specifications governing work  
44 under the Contractor's jurisdiction as well as for keeping all work areas, passageways, ramps, stairs and all other areas  
45 of the premises free of accumulation of surplus materials, rubbish, debris and scrap which may be caused by the  
46 Contractor's operations or that of the Subcontractors.

47  
48 Remove rubbish, debris and scrap promptly upon its accumulation and in no event later than the end of each week.

49  
50 Combustible waste shall be removed immediately or stored in fire resistive containers until disposed of in an approved  
51 manner.



1 No burning of rubbish or debris will be allowed at the site. Rubbish, debris and scrap shall not be thrown through any  
2 window or other opening, or dropped from any great height; it shall be conducted to the ground, to waiting truck(s) or  
3 removable container(s) by means of approved chutes or other means of controlled conveyance.

4  
5 Form and scrap lumber shall have all nails withdrawn or bent over; shall be neatly stacked, placed in trash bins, or  
6 removed from the premises.

7  
8 Spillages of oil, grease or other liquids which could cause a slippery or otherwise hazardous situation or stain a finished  
9 surface, shall be cleaned up immediately.

10  
11 Dust, dirt and other foreign matter shall be removed completely from all internal surfaces of all mechanical and electrical  
12 units, cabinets, ducts, pipes, etc.

13  
14 Dirt, soil, fingerprints, stains and the like, shall be completely removed from all exposed finished surfaces.

15  
16 General Prime Contractor shall wash all glass immediately prior to the occupancy of this project. Work shall include the  
17 removal of labels, paint splattering, glazing compound and sealant. Surfaces shall include mirrors and both sides of all  
18 glass in windows, borrowed lights, partitions, doors and side lights.

19  
20 Broken, scratched or otherwise damaged glass shall be replaced by the General Prime Contractor.

21  
22 In addition to the above, the General Prime Contractor shall be responsible for the general "broom" cleaning of the  
23 premises and for expediting all of the cleaning, washing, waxing and polishing required within the technical sections of  
24 the specifications governing work under this Contract. The General Prime Contractor shall also perform "final" cleaning  
25 of all exposed surfaces to remove all foreign matter, spots, soil, construction dust, etc., so as to put the project in a  
26 complete and finished condition ready for acceptance and use intended.

27  
28 If rubbish and debris is not removed, or if surfaces are not cleaned as specified above, the Owner reserves the right to  
29 have said work done by others and the related cost(s) will be deducted from monies due the Contractor.

### 30 31 **33. OPERATING AND MAINTENANCE MANUALS AND INSTRUCTIONS**

32 Contractor shall provide the Owner with two (2) sets of the O&M data for each device, piece of equipment and assembly  
33 furnished and/or installed under this contract. Format shall be paper, indexed and labeled and bound in three-ring  
34 binders. When duplicate electronic data is available, include electronic media in 3-hole vinyl holders in binders.

35  
36 The O&M manuals shall include the following:

- 37 • Table of Contents
- 38 • Contact information (including emergency contact number) for installing contractor, original vendor  
39 manufacturer and service provider
- 40 • Copy of approved submittals
- 41 • As-built control drawings and sequences of operations
- 42 • Catalog data or literature with correct model number checked
- 43 • Manufacturer's installation and operation instructions including start-up, break-in, shutdown, seasonal,  
44 emergency and special operation procedures
- 45 • Manufacturer's maintenance instructions including procedures and instructions for problem corrections,  
46 preventive maintenance, testing, alignment, adjustment and repair
- 47 • Complete parts list in an exploded view diagram of the equipment
- 48 • Construction Verification Checklists
- 49 • Inspection and testing reports
- 50 • Maintenance records indicating maintenance performed by contractor prior to substantial completion
- 51 • Equipment warranties including terms and conditions and date of inception (substantial completion) and date  
52 of expiration
- 53 • List of special tools or testing equipment required for the operation, testing or maintenance of the equipment

1 • For items assembled by the Contractor for special functions, write operating and maintenance instructions  
2 Contractor shall submit to A/E for review, make revisions noted by A/E and provide final O&M data for A/E's review 30  
3 business days prior to training. Any revisions or changes to the systems and/or equipment post-delivery of the final O &  
4 M data submittal must be submitted to A/E as an addendum within 30 days of the revision or change.  
5

#### 6 **34. TESTS AND ADJUSTMENTS**

7 The complete installation consisting of the several parts and systems and all equipment installed according to the  
8 requirements of the Contract Documents, shall be ready in all respects for use by the Owner and shall be subjected to a  
9 test at full operating conditions and pressures for normal conditions of use.  
10

11 Contractor shall make all necessary adjustments and replacements affecting the work which is necessary to fulfill Owner  
12 requirements and to comply with the directions and recommendations of the manufacturer of the several pieces of  
13 equipment, and to comply with all codes and regulations which may apply to the entire installation. Contractor shall also  
14 make all required adjustments to comply with all provisions of the drawings and specifications.  
15

#### 16 **35. LOOSE AND DETACHABLE PARTS**

17 Contractor shall retain all loose and small detachable parts of apparatus and equipment furnished under this Contract,  
18 until completion of the work and shall turn them over to Owner designated to receive them. Contractor shall obtain from  
19 the Owner an itemized receipt thereof  
20

#### 21 **36. EROSION CONTROL AND STORM WATER MANAGEMENT**

22 Not applicable to this project.  
23

#### 24 **37. AIR QUALITY MANAGEMENT**

25 In accordance with the Department of Administration's air quality management practice on Ozone Action Days, all  
26 contractors shall reduce or limit emissions and particulate matter that adversely affect air quality.  
27

28 The General Prime Contractor shall establish the action plan, in cooperation with other contractor(s), concerning  
29 implementation of air quality management on Ozone Action Days. This plan shall include suspending work or modifying  
30 operations for all activities related to ozone, volatile organic compounds (VOC) and nitrogen oxide emissions. These  
31 work activities include but are not limited to the following:

32 Limit equipment and vehicle refueling to after 6 pm.

33 Limit use of gasoline-powered vehicle and equipment.

34 Limit excessive idling of diesel-powered vehicle and equipment.

35 Limit large scale painting with VOC.

36 Limit large scale asphalt roofing and paving.

37 Limit and/or control all dust creating activities.  
38

39 For information on air quality readings on Ozone Action Days refer to:

40 1-866-324-5924; or

41 <http://www.dnr.state.wi.us/org/aw/air/wisards/state.htm>  
42

#### 43 **38. CONSTRUCTION WASTE MANAGEMENT**

44 See Section 01 74 19 – Construction Waste Management.  
45

#### 46 **39. GUARANTEE DOCUMENTS**

47 Upon Substantial Completion of project, the Contractor shall submit such written guarantees and bonds to the Owner.  
48

#### 49 **40. RECORD DOCUMENTS**

50 On a suitable set of Contract Documents, the contractor is to maintain a daily record of changes and deviations from the  
51 contract. All buried or concealed piping, conduit, or similar items shall be located by dimensions and elevations on the  
52 record drawings.  
53

1 The daily record of changes shall be the responsibility of Contractor's field superintendent. No arbitrary mark-ups will be  
2 permitted.

3  
4 Once during the month the Contractor shall present at the project, the job copy showing variations and changes to date  
5 to the Architect/Engineer and the Owner for their review.

6  
7 At substantial completion of the project, the Contractor shall transmit the marked up as-built documents to the  
8 Architect/Engineer and copy the Owner on the transmittal of the documents. The A/E will incorporate the contractor  
9 marked up as-built drawings into the record drawings.

10 \*\*\*  
11

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1 **MEP INSTRUCTIONS TO BIDDERS** (Rev 11/2022)  
2 UW-Madison Project No. 0408 2331 / UWSA Project No. A-23-003

3  
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28

29 **1. DEFINITIONS**

30 In this document, the following terms are defined as:

31  
32 (a) "Mechanical, electrical, or plumbing subcontractor" ("MEP Subcontractor") is a contractor that performs  
33 mechanical (Heating, Ventilating, and Air Conditioning, electrical, plumbing, or fire protection (fire suppression) work for  
34 the Project, and enters into a contract with the General Prime Contractor to perform their division of work.

35  
36 (b) "Qualified bidder" means a contractor that the department certifies under Wis. Stat. s. 16.855(9m)(b)1.

37  
38 (c) "Qualified responsible bidder" means a contractor who is a qualified bidder and who is a responsible bidder.

39  
40 (d) "Responsible bidder" means a contractor that the department certifies under Wis. Stat. s. 16.855(9m)(b)2.

41  
42 (e) "Single prime contracting" means bidding and contracting through a process in which only a general prime  
43 contractor has a contractual relationship with the owner and all mechanical, electrical, or audio visual subcontractors  
44 are identified by the department and are subcontractors to the General Prime Contractor.

45  
46 (f) "General Prime Contractor" is a contractor that enters into a contract with the owner to perform all work as  
47 required by the Contract Documents and enters into contracts with subcontractors including MEP Subcontractors  
48 identified by the Owner.

49  
50 (g) "Non-MEP Subcontractor" is a subcontractor to a General Prime Contractor in divisions of work other than  
51 mechanical, electrical, plumbing, and fire protection. This includes suppliers and installers to the General Prime  
52 Contractor.

53  
54 (h) "Subcontractor" is all subcontractors on a project. This includes MEP Subcontractors, subcontractors to the  
55 MEP Subcontractors, and Non-MEP Subcontractors.  
56

1 (i) "Contractor" is all contractors working on a project regardless of contractual relationship. This includes the  
2 General Prime Contractor, MEP Subcontractors, Non-MEP Subcontractors, and all Subcontractors, regardless of tier of  
3 subcontract.  
4

## 5 **2. GENERAL**

6 Time for bid opening shall be the prevailing central standard or daylight saving time in force at Madison, Wisconsin, on  
7 the date set forth in the Invitation to Bid.  
8

9 All potential bidders must be certified by DOA prior to submitting bids on state construction projects over \$50,000. All  
10 bids received from contractors who are not certified will be rejected. Contractor certification applications and instructions  
11 for completing the form may be obtained from the DOA Website Contractor Certification page:  
12 <https://doa.wi.gov/Pages/DoingBusiness/ContractorCertification.aspx>.  
13

14 The Owner will issue an addendum if a successful MEP bid is withdrawn or rejected after the MEP Subcontractors have  
15 been identified but before the General Prime Contractor bid opening, This addendum will include a revised list of  
16 successful MEP bids that must be included in General Prime Contractor bids and will move the General Prime Contractor  
17 bid opening five days later to allow bidders sufficient time to update their bids based on the revised MEP list.  
18

19 Before submitting a bid, the Bidder shall examine all of the Bidding Documents listed in the Table of Contents of these  
20 specifications. The successful Bidder will be required to do all work which is shown on the drawings, mentioned in the  
21 specifications or reasonably implied as necessary to complete the division of work being bid for this project.  
22

23 Failure to visit the site or failure to examine any and all Bidding Documents will in no way relieve the successful Bidder  
24 from the necessity of furnishing any materials or equipment, or performing any work, that may be required to complete  
25 the work in accordance with the Bidding Documents. Neglect of above requirements will not be accepted as reason for  
26 delay in the work or additional compensation.  
27

28 All bidders shall have established and diligently maintained a satisfactory safety program, and if eligible for Experience  
29 Modification Rating (EMR), must have a rating of 1.20 or less as established by the Wisconsin Compensation Rating  
30 Bureau (WCRB) or the National Council on Compensation Insurance (NCCI).  
31

## 32 **3. DRAWINGS AND SPECIFICATIONS**

33 The drawings and specifications that form a part of these Bidding Documents are all the documents (drawings,  
34 specifications, etc) in this invitation to bid.  
35

36 Complete sets of Bidding Documents for all trades will be issued to all Bidders, irrespective of the category of work to be  
37 bid on, in order that all Bidders may be familiar with the work of other trades as they affect their bid.  
38

## 39 **4. INTERPRETATION**

40 No verbal explanation or instructions will be given in regard to the meaning of the drawings or specifications during the  
41 bid period. Bidders shall bring inadequacies, omissions or conflicts to the Architect/Engineer's attention at least ten (10)  
42 days before the date set for bid opening. Prompt clarification will be supplied to all bidders of record by addendum.  
43

44 Failure to so request clarification or interpretation of the drawings and specifications will not relieve the successful Bidder  
45 of responsibility. Signing of the subcontract with the General Prime Contractor will be considered as implicitly denoting  
46 that the MEP Subcontractor has thorough understanding of the scope of work and comprehension of the Bidding  
47 Documents.  
48

49 Neither the Architect/Engineer nor the Owner will be responsible for verbal instructions.  
50

## 51 **5. MANDATORY PRE-BID DOA CERTIFICATION**

52 All potential bidders must become certified as qualified and responsible bidders **before** they can bid on state projects  
53 over \$50,000. The criteria for determining certification of qualified and responsible bidders are itemized in Wis. Stat. s.  
54 16.855(9m). If the Owner determines that more experience is necessary for a particular project, the Owner may include  
55 additional requirements.

1 **6. BID GUARANTEE**

2 A bid bond prepared on the Bid Bond Form bound herein, payable to the Owner in the amount not less than 10% of the  
3 maximum bid shall accompany each bid as a guarantee. A bank certified check or a cashier's check may accompany  
4 each bid as a guarantee pursuant to Wis. Stat. s. 779.14(1m)(c)2.b. and 779.14(1s). Failure to enter into the contract  
5 with the Owner (including failure to obtain certificate of insurance and separate 100% performance and 100% payment  
6 bonds) with the General Prime Contractor may result in forfeiture of the Bid Bond. The company issuing the Bonds must  
7 be licensed to do business in Wisconsin.

8  
9 Any bid which is not accompanied by a bid guarantee will not be accepted and will not be read at the bid opening.

10  
11 All checks tendered as bid guarantee, except those of the three lowest bidders, will be returned to their makers within  
12 three (3) days after bid opening. All such retained checks will be returned immediately upon execution of the contract  
13 between the General Prime Contractor and the MEP Subcontractor.

14  
15 **7. WITHDRAWAL OF BIDS**

16 Prior to the time fixed for bid opening, bids may be withdrawn by written request from the Bidder, without prejudice to the  
17 right of the Bidder to file a new bid. Withdrawn bids will be returned unopened.

18  
19 After the bid has been opened, negligence on the part of the Bidder in preparing their bid confers **no** right for withdrawal  
20 of the bid without penalty.

21  
22 If a bid contains an error, omission, or mistake, the bidder may limit liability to the amount of their bid guarantee by giving  
23 the Owner written Notice, within seventy-two (72) hours of the MEP bid opening, of their intent not to execute the contract  
24 with the General Prime Contractor. If no such notice is given, the Owner reserves the right to obtain the amount of the  
25 difference in bid price between the low bidder and the next low bidder.

26  
27 **8. MEP BIDDER IDENTIFICATION**

28 Within five (5) days of the MEP bid opening, the Owner will identify a lowest, qualified, responsible, certified MEP  
29 Subcontractor in each applicable MEP division of work (as long as the cost does not exceed the amount of project funds  
30 available).

31  
32 The lowest dollar amounts submitted by qualified, responsible, certified bidders on the SEPARATE BASE BIDS  
33 for various specified mechanical, electrical, plumbing, and fire protection divisions of the work; or

34  
35 The lowest dollar amount submitted by qualified, responsible, certified bidders on the COMBINED BASE BIDS  
36 for any combination of the Separate Base Bids for various specified mechanical, electrical, plumbing, and fire  
37 protection divisions of the work.

38 The Owner reserves the right to reject any and all bids, or to waive any informality in any bid, or to accept any bid which  
39 will serve the best interest of the Owner.

40  
41 **9. MEP SUBCONTRACT WITH GENERAL PRIME CONTRACTOR**

42 The General Prime Contractor will offer the successful MEP Bidder (s) a subcontract. A contract entered into between  
43 a General Prime Contractor and a MEP Subcontractor must include a scope of work clause identical to the scope of  
44 work clause included in the MEP Subcontractor bid documents. A General Prime Contractor and an MEP  
45 Subcontractor may not enter any agreement in connection with bids submitted that would alter or affect the scope or  
46 price of the contracts entered into. This prohibition does not apply to the Owner change orders that result in changes to  
47 the plans or specifications, or to back charges allowed by the contract.

48  
49 The General Prime Contractor must base the Project Schedule on the schedule that the MEP Subcontractors and  
50 General Prime Contractors bid on (in the specifications or bid instructions), unless otherwise agreed to by the MEP  
51 Subcontractor.

52  
53 As the work progresses under any MEP subcontract for construction of a project, the General Prime Contractor shall,  
54 upon request of a subcontractor, pay to the subcontractor an amount equal to the proportionate value of the  
55 subcontractor's work properly completed, less retainage.

1 The retainage shall be an amount equal to not more than 5 percent of the subcontractor's work completed until 50 percent  
2 of the subcontractor's work has been completed. At 50 percent completion, no additional amounts may be retained, and  
3 partial payments shall be made in full to the subcontractor unless the department certifies that the subcontractor's work  
4 is not proceeding satisfactorily. At 50 percent completion or any time thereafter when the progress of the subcontractor's  
5 work is not satisfactory, additional amounts may be retained but the total retainage may not be more than 10 percent of  
6 the value of the work completed. Upon substantial completion of the subcontractor's work, any amount retained shall be  
7 paid to the subcontractor, less the value of any required corrective work or uncompleted work. All payments the General  
8 Prime Contractor makes under this paragraph shall be within 7 calendar days after the date on which the General Prime  
9 Contractor receives payment from the Owner.

10  
11 The contract entered into between the General Prime Contractor and an MEP Subcontractor must contain all of the  
12 following clauses:  
13

14 **Scope of Work.** The MEP Subcontractor scope of work is identical to the General Prime Contractor scope of  
15 work included in these bidding and contract documents. By submitting and signing a bid, all bidders have  
16 examined all of the Bidding Documents listed in the Table of Contents of the project specifications. The  
17 successful bidders will be required to do all work which is shown on the drawings, mentioned in the  
18 specifications, or reasonably implied as necessary to complete the division of work bid for this project.  
19

20 **Prompt Payment.** (General prime contractor) shall pay (mechanical, electrical, or plumbing subcontractor) in  
21 accordance with section 16.855(19)(b), Wisconsin stats, for work that has been satisfactorily completed and  
22 properly invoiced by (mechanical, electrical, or plumbing subcontractor). A payment is timely if it is mailed,  
23 delivered, or transferred to (mechanical, electrical, or plumbing subcontractor) by the deadline under section  
24 16.855(19)(b), Wisconsin stats.

25 If (mechanical, electrical, or plumbing subcontractor) is not paid by the deadline in this contract, (general prime  
26 contractor) shall pay interest on the balance due from the eighth day after the (general prime contractor)  
27 receives payment from the Owner for the work for which payment is due and owing to (mechanical, electrical,  
28 or plumbing subcontractor), at the rate specified in section 71.82, Wisconsin stats., compounded monthly.

29 A (mechanical, electrical, or plumbing subcontractor) that receives payment as provided under this contract  
30 and that subcontracts with another entity shall pay those subcontractors, and be liable for interest on late  
31 payments to those subcontractors, in the same manner as the (general prime contractor) is required to pay the  
32 (mechanical, electrical, or plumbing subcontractor) under this contract.  
33

34 **Insurance and Bonds.** (Mechanical, electrical, or plumbing subcontractor) shall not commence work under  
35 this contract until it has obtained all necessary insurance required of (mechanical, electrical, or plumbing  
36 subcontractor) in the contract between the (general prime contractor) and the Owner. (mechanical, electrical,  
37 or plumbing subcontractor) shall provide a separate 100 percent performance bond and a separate 100 percent  
38 payment bond to the benefit of the (general prime contractor) as the sole named obligee. Original bonds shall  
39 be given to the (general prime contractor) and a copy shall be given to the Owner no later than 10 days after  
40 execution of this contract.  
41

42 **Indemnification.** To the fullest extent permitted by law, (mechanical, electrical, or plumbing subcontractor)  
43 shall defend, indemnify, and hold harmless (general prime contractor) and its officers, directors, agents, and  
44 any others whom (general prime contractor) is required to indemnify under its contract with the department,  
45 and the employees of any of them, from and against claims, damages, fines, penalties, losses, and expenses,  
46 including but not limited to attorney fees, arising in any way out of or resulting from the performance of the  
47 work under this contract, but only to the extent such claim, damage, fine, penalty, loss, or expense: (1) is  
48 attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of property, including but  
49 not limited to loss of use resulting therefrom and is caused by the negligence, or acts or omissions, of  
50 (mechanical, electrical, or plumbing subcontractor), its subcontractors, any of their employees, and anyone  
51 directly or indirectly employed by them or anyone for whose acts they may be liable, or (2) as related to such  
52 claims, damages, fines, penalties, losses, and expense of or against (general prime contractor), results from  
53 or arises out of the negligence of the (general prime contractor) or other fault in providing general supervision  
54 or oversight of the work of (mechanical, electrical, or plumbing subcontractor) or (3) as related to claims,



1 damages, fines, penalties, losses, and expense against the Owner, arises out of the department's status as  
2 owner of the project or project site.

3 In addition (mechanical, electrical, or plumbing subcontractor) shall defend, indemnify, and hold harmless  
4 (general prime contractor) and its officers, directors, agents, and any others (general prime contractor) is  
5 required to indemnify under its contract with the department, and the employees of any of them, from any  
6 liability, including liability resulting from a violation of any applicable safe place act, that (general prime  
7 contractor) or the owner incurs to any employee of (mechanical, electrical, or plumbing subcontractor) or any  
8 third party where the liability arises from a derivative claim from said employee, when the liability arises out of  
9 the failure of the (general prime contractor) or the owner to properly supervise, inspect, or approve the work or  
10 work area of (mechanical, electrical, or plumbing subcontractor), but only to the extent that the liability arises  
11 out of the acts or omissions of (mechanical, electrical, or plumbing subcontractor), its employees, or anyone  
12 for whom (mechanical, electrical, or plumbing subcontractor) may be liable, or from (mechanical, electrical, or  
13 plumbing subcontractor's) breach of its contractual responsibilities or arises out of (general prime contractor's)  
14 negligence or other fault in providing general supervision or oversight of (mechanical, electrical, or plumbing  
15 subcontractor's) work or arises out of the Owner's status as owner of the project or project site. In claims  
16 against (general prime contractor) or the owner by an employee of (mechanical, electrical, or plumbing  
17 subcontractor) or its subcontractors or anyone for whose acts (mechanical, electrical, or plumbing  
18 subcontractor) may be liable, the indemnification obligation of this paragraph is not limited by a limitation on  
19 amount or type of damage, compensation, or other benefits payable by or for the (mechanical, electrical, or  
20 plumbing subcontractor) subcontractors under workers compensation act.

21 Except as identified above, the obligations of (mechanical, electrical, or plumbing subcontractor) under this  
22 indemnification do not extend to the liability of (general prime contractor) and its agents or employees arising  
23 out of (1) preparation or approval of maps, drawings, opinions, reports, surveys, change orders, designs, or  
24 specifications; (2) the giving of or failure to give directions or instructions by the (general prime contractor) or  
25 the University of Wisconsin System Administration or their agents or employees provided the giving or failure  
26 to give is the cause of the injury or damage; or (3) the acts or omissions of other subcontractors.

27  
28 **Retainage.** Retainage shall occur and be in amounts and on a schedule equal to that in the contract between  
29 (general prime contractor) and the Owner.  
30

### 31 **10. CONTRACT INTERESTS BY STATE PUBLIC OFFICIALS**

32 In accordance with section 19.45(6) of the Wisconsin Statutes, no state public official, member of a state public official's  
33 immediate family, nor any organization with which the state public official or a member of the official's immediate family  
34 owns or controls at least 10% of the outstanding equity, voting rights, or outstanding indebtedness may enter into any  
35 contract or lease involving a payment or payments of more than \$3,000 within a twelve (12) month period, in whole or in  
36 part derived from state funds unless the state public official has first made written disclosure of the nature and extent of  
37 such relationship or interest to the board and to the department acting for the state in regard to such contract or lease.  
38 Any contract or lease entered into in violation of this subsection may be voided by the owner in an action commenced  
39 within three (3) years of the date on which the ethics board, or the department or officer acting for the state in regard to  
40 the allocation of state funds from which such payment is derived, knew or should have known that a violation of this  
41 subsection had occurred. This subsection does not affect the application of s.946.13.  
42

### 43 **11. DISCLOSURE OF OWNERSHIP**

44 The Bidder shall disclose on the date of submitting a bid for this project, the name of any construction business of which  
45 the Bidder has had a 25% or greater interest as a shareholder, officer, partner, or owner at any time during the preceding  
46 three (3) years, if said construction business has been found by the Department of Workforce Development to have failed  
47 to pay the prevailing wage rate or at least 1.5 times the hourly basic rate of pay for hours worked in excess of the  
48 prevailing hours of labor to any employee at any time within the preceding three (3) years.  
49

50 The "Disclosure of Ownership" form may be obtained at no charge from the Department of Workforce Development,  
51 Equal Rights Division, P.O. Box 8928, Madison, Wisconsin 53708.  
52

### 53 **12. MINORITY BUSINESS ENTERPRISE AND DISABLED VETERAN-OWNED BUSINESS INVOLVEMENT**

54 "Minority Business Enterprise" (MBE) means: a business certified by the Wisconsin Supplier Diversity Program under  
55 Wis. Stat. s. 16.287(2).

1  
2 "Disabled Veteran-Owned Business" (DVB) means: a business certified by the Wisconsin Supplier Diversity Program  
3 under Wis. Stat. s. 16.283(3).  
4

5 General Prime Contractors are strongly encouraged to use MBEs and DVBs.  
6

7 General Prime Contractor Bidders shall submit a "Form A Affidavit of Compliance – Minority Business Enterprise and  
8 Disabled Veteran-Owned Business Provision" within seven days of the general prime contractor contract offer. This form  
9 should indicate the percentage of MBE/DVB participation commitment. All MEP Subcontractor Bidders shall also make  
10 every effort to encourage MBE and DVB involvement.  
11

12 For assistance in identifying DOA certified MBE and DVB companies, please contact the Department of Administration  
13 Supplier Diversity Program at: [DOABDMBD@wisconsin.gov](mailto:DOABDMBD@wisconsin.gov), or by telephone at: (608)267-9550, or visit their website  
14 at: <http://www.doa.wi.gov/Divisions/Enterprise-Operations/Supplier-Diversity-Program>.  
15

### 16 **13. SUBSTANCE ABUSE PREVENTION**

17 Mission/Purpose: The Board of Regents of the University of Wisconsin System recognizes and supports drug-free  
18 workplace programs as an important element in the national strategy to reduce the devastating effects of drug and alcohol  
19 abuse in our society. The Owner requires contractors, subcontractors, suppliers and vendors to establish and enforce  
20 drug-free workplace policies and programs that conform to Sec 103.503 of the Wisconsin Statutes.  
21

22 Statement: The possession, use of, distribution or purchase of illegal drugs, or use of alcohol at work by any employee  
23 on the Owner's construction job sites, is strictly prohibited.  
24

25 The terms of this Substance Abuse Program Statement shall cover all construction personnel who are working on the  
26 Owner's job sites. This includes employees of all Contractors, Subcontractors, contractor suppliers, and their employees  
27 working at the job site.  
28

29 General Prime Contractor's and Subcontractor's Written Program: Each General Prime Contractor and Subcontractor  
30 shall have in place a written Substance Abuse Program conforming to Sec 103.503(3) of the Wisconsin Statutes.  
31

32 In addition, representatives of the Owner who believe that any General Prime Contractor's or Subcontractor's employee  
33 may be under the influence of alcohol or drugs shall, where deemed appropriate, contact the General Prime Contractor's  
34 or Subcontractor's appropriate management/supervision authority and request that appropriate action be taken. The  
35 General Prime Contractor's or Subcontractor's employer shall immediately remove an employee who is suspected of  
36 being under the influence of illegal drugs or alcohol shall be immediately removed from the job site.  
37

38 Procedures for testing and handling of positive drug tests shall be in compliance and consistent with State and Federal  
39 laws.  
40

41 Costs of Substance Abuse Programs and Testing: The cost associated with the development, implementation and  
42 enforcement of Substance Abuse Programs and any testing required shall be the responsibility of each individual General  
43 Prime Contractor and Subcontractor for their respective employees working on the job site. the Owner will not be  
44 responsible for any cost of substance abuse testing, rehabilitation or medical reviews related to substance abuse.  
45

46 The General Prime Contractor and Subcontractors shall indemnify and hold the Owner harmless from any damages or  
47 other costs incurred that are related to the implementation or enforcement of any substance abuse policy or program.  
48

### 49 **14. SECURITY FOR SEPARATE 100% PERFORMANCE AND SEPARATE 100% PAYMENT**

50 MEP Subcontractors will be required to deliver to the General Prime Contractor separate 100 % performance and 100  
51 % payment bonds to the benefit of the General Prime Contractor as the sole obligee. Original bonds shall be given to  
52 the General Prime Contractor and a copy shall be given to the Owner no later than 10 days after the execution of the  
53 subcontract. Separate 100% performance and separate 100 % payment bond forms are included in Appendix 1 of these  
54 instructions.  
55

1 **15. TAXES**

2 The Bidder shall include in the bid, all Sales, Consumer, Use and other similar taxes required by law.

3

4 In accordance with section 71.80(16)(a), Wis. Stats., SURETY BOND; NONRESIDENT CONTRACTOR. "All  
5 nonresident persons, whether incorporated or not, engaging in construction contracting in this state as contractor or  
6 subcontractor and not otherwise regularly engaged in business in this state, shall file a surety bond with the  
7 department (Wisconsin Department of Revenue MS 5-77 Attn: Non-Resident Surety Bonds, 2135 Rimrock Rd.,  
8 Madison, WI 53713, telephone (608)266-2776.) payable to the department of revenue, to guarantee the payment of  
9 income taxes, required unemployment compensation contributions, sales and use taxes and income taxes withheld  
10 from wages of employees, together with any penalties and interest thereon. The amount of the bond shall be 3% of  
11 the contract or subcontract price on all contracts of \$50,000 or more..."

12

13 As the Board of Regents is an exempt entity, building materials purchased for this project are exempt. The University  
14 of Wisconsin System CES number: 040706. The Certificate of Exempt Status (CES) will be provided to the awarded  
15 Contractor upon request.

16

17 **16. SUBMISSION OF BIDS**

18 All bids shall be submitted on the standard Bid Forms and only bids that are made on the Bid Forms will be considered.  
19 The entire Bid Form including the Addendum Receipt/Signature page, the Bid Bond Form ( if used), and other supporting  
20 documents ( if any) shall be filled out and submitted in the manner specified hereinafter. SPECIFICATIONS SHALL  
21 NOT ACCOMPANY BID.

22

23 No bids for any subdivision or any subclassification of this work, except as indicated, will be accepted. Any conditional  
24 bid, amendment to the Bid Form or appendant thereto, the inclusion of any correspondence, written or printed matter,  
25 unsolicited material or data, or details of any nature other than the information specifically called for, will disqualify the  
26 Bid. Telecommunication alterations to the bid will not be accepted.

27

28 Space(s) are provided on the Bid Form for each Division of Work. Appropriate insertions are as follows: numerals  
29 indicating the cost of the work, \$0 if there is no cost for the work, or the words 'No Bid' if the bidder is not intending to bid  
30 the work. Blank space(s) will be considered the same as 'No Bid'.

31

32 **Bidders may submit separate base bids for any divisions of work they are certified to bid on (Fire Suppression,  
33 Plumbing, Heating, Ventilating and Air Conditioning, and Electrical).**

34

35 **Bidders may submit combined base bids for any combination of base bid categories if they are certified in each  
36 division of work included in their combined base bid.**

37

38 Any addendum issued during the time of bidding shall become a part of the Bidding Documents. Bidders shall  
39 acknowledge receipt of such addendum in the appropriate space provided on the Bid Form. Bid will be rejected if receipt  
40 of an addendum applicable to the award of contract has not been acknowledged on the Bid Form.

41

42 The Owner is not responsible for bids not clearly labeled as required. Bids shall be signed, sealed, and delivered to the  
43 place indicated in the Invitation to Bid before the time designated in the Invitation to Bid. All bids shall be identified with  
44 the Project Name, Project Number, Project Location, Category of Work being bid on, Bid Date, and the Name and  
45 Address of Bidder.

46

47 Bidder shall be responsible for the sealed bid being delivered to the place designated for bid opening before the time  
48 specified. Bids received after the time indicated in the Invitation to Bid will be rejected and returned to Bidder unopened.

49

50 Bid will be considered invalid and will be rejected if it has not been signed by the Bidder.

51

52 Bids will be rejected if the bidder is not certified by DOA in the division(s) of work they bid on and/or if their bid amount  
53 exceeds their certification threshold in that division of work.

1 **17. BASE BIDS**

2 Fire Protection (Fire Suppression), Plumbing, Mechanical (Heating, Ventilating and Air Conditioning), and Electrical Base  
3 Bids shall be received utilizing one or all methods of bidding as follows:

4  
5 SEPARATE BASE BIDS FOR THE VARIOUS DIVISIONS OF THE WORK.

6  
7 Base Bid No. 2 Fire Suppression Work as per specification Division 21, applicable provisions of Division 1 and related  
8 drawings.

9  
10 Base Bid No. 3 Plumbing Work as per specification Division 22, applicable provisions of Division 1 and related drawings.

11  
12 Base Bid No. 4 Heating, Ventilating and Air Conditioning Work as per specification Division 23, applicable provisions of  
13 Division 1 and related drawings.

14  
15 Base Bid No. 5 Electrical Work as per specification Division 26, 27, 28 applicable provisions of Division 1 and related  
16 drawings.

17  
18 COMBINED BASE BIDS FOR ANY COMBINATION OF SEPARATE BASE BIDS FOR VARIOUS DIVISIONS OF THE  
19 WORK.

20  
21 Base Bid No.\_\_\_\_for\_\_\_\_\_, Base Bid No.\_\_\_\_for\_\_\_\_\_, and Base Bid No.\_\_\_\_for\_\_\_\_\_ as per specifications,  
22 applicable provisions of Division 1 and related drawings.

23  
24 **18. INFORMATIONAL BIDS**

25 None.

26  
27 **19. UNIT PRICES**

28 None.

29  
30 **20. STATED ALLOWANCES**

31 None.

32  
33 **21. COMMENCEMENT AND COMPLETION**

34 The successful mechanical, electrical, plumbing, or fire protection Bidder must agree to commence the work on or before  
35 a date to be specified in a written "Notice to Proceed" issued by the General Prime Contractor and to fully complete all  
36 the work for Substantial Completion **no later than 05/22/2026**. Completion time will be converted to a specific date at  
37 the time the "Notice to Proceed" is issued. The construction duration and below milestone dates are based on the current  
38 bidding schedule, and subject to modification if bidding does not proceed as planned. Refer also to General Conditions  
39 for additional information in regards to time for completion.

40  
41 **The General Prime Contractor must base the Project Schedule on the schedule that the MEP Subcontractors**  
42 **and General Prime Contractors bid on (in the specifications or bid instructions), unless otherwise agreed to by**  
43 **the MEP Subcontractor.** These milestones will be incorporated into the master project schedule after the Notice to  
44 Proceed is issued. The schedule must include, but is not limited to, the following milestone categories as they apply to  
45 the project:

Start Date (Month/Year)	End Date (Month/Year)	Schedule Milestones
7/2024	7/2024	Contracts
7/2024	12/2024	Field Verification / Takeoff for Fire Protection Submittal
12/2024	12/2024	State AHJ Fire Protection Submittal
1/2025	1/2025	State AHJ Fire Protection Approval
2/2025	6/2025	Winter 2024 - Spring 2025 Work
6/2025	6/2025	Winter 2024 – Spring 2025 Work: Substantial Completion

Start Date (Month/Year)	End Date (Month/Year)	Schedule Milestones
7/2025	7/2025	Winter 2024 – Spring 2025 Work: 100% Punchlist Work Items Complete
6/2025	1/2026	Summer 2025 – Fall 2025 Work
1/2026	1/2026	Summer 2025 – Fall 2025 Work: Substantial Completion
2/2026	2/2026	Summer 2025 – Fall 2025 Work: 100% Punchlist Work Items Complete
1/2026	5/2026	Winter 2025 Work
5/2026	5/2026	Winter 2025 Work: Substantial Completion
6/2026	6/2026	Winter 2025 Work: 100% Punchlist Work Items Complete
7/2026	7/2026	100% of Closeout Activities Complete

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**22. WORK BY THE OWNER**

The following work will be accomplished by the Owner or will be let under separate contracts and will not be included under the General Prime Contract:

DOOR HARDWARE:

Cylinders and Cores are Owner provided and installed by the UW Lock Shop. Latches, latch sets, and closers will be provided by the UW Lock Shop for installation by the Contractor.

ASBESTOS ABATEMENT:

~~See General Requirements, HAZARDOUS SUBSTANCES for regulatory requirements, materials testing results, and General Prime Contractor's responsibility regarding ACM.~~

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1 **DIVISION 1 - GENERAL REQUIREMENTS** (Rev 11/2022)  
2 UW-Madison Project No. 0408 2331 / UWSA Project No. A-23-003

3  
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- 44 40. Record Documents

45  
46 **1. DEFINITIONS**

47 In this document, the following terms are defined as:

48  
49 (a) "Mechanical, electrical, or plumbing subcontractor" ("MEP Subcontractor") is a contractor that performs  
50 mechanical (Heating, Ventilating, and Air Conditioning), electrical, plumbing, or fire protection (fire suppression) work  
51 for the Project, and enters into a contract with the General Prime Contractor to perform their division of work.

52  
53 (b) "Qualified bidder" means a contractor that DOA certifies under Wis. Stat. s. 16.855(9m)(b)1.

1  
2 (c) "Qualified responsible bidder" means a contractor who is a Qualified bidder and who is a Responsible bidder.

3  
4 (d) "Responsible bidder" means a contractor that DOA certifies under Wis. Stat. s. 16.855(9m)(b)2.

5  
6 (e) "Single prime contracting" means bidding and contracting through a process in which only a general prime  
7 contractor has a contractual relationship with the Owner and all mechanical, electrical, or plumbing subcontractors are  
8 identified by the Owner and are subcontractors to the General Prime Contractor.

9  
10 (f) "General Prime Contractor" is a contractor that enters into a contract with the Owner to perform all work as  
11 required by the Contract Documents and enters into contracts with subcontractors including MEP Subcontractors  
12 identified by the Owner.

13  
14 (g) "Non-MEP Subcontractor" is a subcontractor to a General Prime Contractor in divisions of work other than  
15 mechanical, electrical, plumbing, and fire protection. This includes suppliers and installers to the General Prime  
16 Contractor.

17  
18 (h) "Subcontractor" is all subcontractors on a project. This includes MEP Subcontractors, subcontractors to the  
19 MEP Subcontractors, and Non-MEP Subcontractors.

20  
21 (i) "Contractor" is all contractors working on a project regardless of contractual relationship. This includes the  
22 General Prime Contractor, MEP Subcontractors, Non-MEP Subcontractors, and all Subcontractors, regardless of tier of  
23 subcontract.

## 24 25 **2. GENERAL**

26 All articles in these General Requirements are applicable to all Divisions and Sections of the Work included herein. The  
27 Conditions of the Contract, General and Supplementary General Conditions, and these General Requirements shall  
28 apply with equal force and effect to the General Prime Contractor and all Subcontractors engaged in this work.

29  
30 Contractor or the Contractor's authorized representative must be present to accept delivery of all equipment and material  
31 shipments. The Owner will not knowingly accept, unload or store anything delivered to the site for the Contractor's use.  
32 Inadvertent acceptance of delivered items by any representative or employee of the Owner shall not constitute  
33 acceptance or responsibility for any of the materials or equipment. It is the Contractor's responsibility to assume liability  
34 for equipment or material delivered to the job site.

## 35 36 **3. SPECIAL SITE CONDITIONS**

37 Confine all operations, equipment, apparatus and storage of materials, to the immediate area of work to the greatest  
38 possible extent. Contractor shall ascertain, observe and comply with all rules and regulations in effect on the project  
39 site, including but not limited to parking and traffic regulations, use of walks, security restrictions and hours of allowable  
40 ingress and egress. Any special traffic control during construction involving lane closures shall be in accordance with  
41 the federal standard, Manual of Uniform Traffic Control Devices.

42  
43 The Contractor shall take all measures necessary to become acquainted with the location of underground service,  
44 utilities, structures, etc., which may be encountered or be affected by the Contractor's work, and shall be responsible for  
45 damage caused by neglect to provide proper precautions or protection. As a minimum to become acquainted with such  
46 underground appurtenances, the Contractor shall: 1) Observe existing conditions visible at the site immediately prior to  
47 commencement of work; 2) Review available site plans incorporated in the contract documents and/or provided by the  
48 Owner; 3) Final check with the Owner for additions to or changes from conditions indicated on site plans for the facility;  
49 and 4) Obtain input from the "one-call system", the organization composed of all suppliers of utilities/services to or from  
50 the site.

51  
52 Information pertaining to existing conditions that are described in the specifications or appear on the drawings, is based  
53 on available records. While such data has been collected with reasonable care, there is no expressed or implied  
54 guarantee that conditions so indicated are entirely representative of those actually existing. This information is provided



1 to inform the Contractor of known, existing conditions so that due diligence is taken by the Contractor to avoid damage.  
2 Where site observation or documents indicate existing underground utilities/services in close proximity (within four feet  
3 horizontally and/or four feet vertically) to necessary new construction work, the Contractor shall be responsible to test,  
4 probe or otherwise determine exact locations so as to prevent damage to such utilities/services.  
5

6 Existing pipes, electrical work, and all other utilities encountered, which may interfere with new work, shall be re-routed,  
7 capped, cut off, or replaced by the contractor having jurisdiction, in accordance with the Bidding and Contract Documents.  
8

9 **Any noisy and disruptive activities will need to be coordinated with the Owner and occur before 9am or after  
10 4pm, Monday through Friday or between 6am and 6pm on Saturday or Sunday.**

11  
12 **Students and staff will occupy Engineering Hall during the entire period of this renovation and will be present  
13 in higher capacities during months which fall within the academic school year.**

14  
15 Limit use of premises to work in the areas indicated. Do not disturb portions of the site beyond areas in which work is  
16 indicated. General, confine construction operations to areas defined within Project Limits, unless specifically noted or  
17 otherwise and/or approved by Owner. Confine storage of materials and support facilities to designated staging areas.  
18

19 Parking at or near the project site is restricted. Contractor's truck or working vehicles will be permitted to drive on  
20 premises only for the purpose of loading and unloading materials and equipment for this project and only if keys are  
21 removed and all doors locked when not in use. **No Contractor's will be allowed to park inside of the construction fence.  
22 Free parking passes will not be provided. Contractors may park remotely and carpool to the project site, or may purchase  
23 parking permits as space is available from Transportation Services ([www.fpm.wisc.edu/trans](http://www.fpm.wisc.edu/trans)). Vehicles in violation of  
24 University parking regulations are subject to fine.**  
25

26 **Owner will designate an area in a building which can be used by workers for eating lunch and for toilet needs. Toilets  
27 used by workers shall be kept clean and sanitary at all times.**  
28

29 All buildings at this site will be occupied during the construction.  
30

31 To ensure the safety of persons at the University, the following safety measures should be observed:

32 Contractor shall instruct their workers not to leave any openings in barricades, or to leave tools, equipment, or  
33 materials lying around in any area where persons may traverse. Surfaces of barricades, enclosures, etc., must  
34 be smooth with no protruding nails or other sharp projections or edges on side toward existing occupied areas,  
35 corridors, connecting links, etc.  
36

37 Outdoor lanes for emergency exit from existing buildings which may lie within or adjacent to new construction area must  
38 be kept clear of obstructions at all times.  
39

40 The Owner reserves the right to occupy and place and install equipment in completed areas of construction. Such  
41 placement of equipment and partial occupancy shall not constitute acceptance of the Work. The Owner will prepare a  
42 Certificate of Substantial Completion for each specific portion of the work to be occupied before occupancy. Before  
43 partial occupancy, mechanical and electrical systems shall be fully operational and required documents and inspections  
44 shall be successfully completed. On final completion, the Owner will operate, and maintain mechanical and electrical  
45 systems serving occupied portions of the building. On Substantial Completion, the Owner will assume responsibility for  
46 maintenance and custodial service for occupied portions of the building.  
47

#### 48 **4. INSPECTION OF SURFACES**

49 Contractor shall obtain complete data at the site and inspect surfaces that are to receive the Work before proceeding  
50 with fabricating, assembling, fitting or erecting any work under this contract.  
51

1 Contractor shall notify the Owner in writing in case of discrepancies between existing work and drawings, and of any  
2 defects in such surfaces that are to receive the Contractor's work. The Owner will evaluate the notice and direct what  
3 remedial action will be taken.

4 Starting of work implies acceptance of existing work or the work of others. Removal and replacement of work applied to  
5 defective surfaces, in order to correct defects, shall be done at the expense of the Contractor who applied work to  
6 defective surfaces.

## 8 **5. HAZARDOUS SUBSTANCES - ASBESTOS, LEAD AND POLYCHLORINATED BIPHENYLS (PCB'S)**

9 Airborne asbestos fibers, lead, and PCB compounds, if encountered, have been determined to be hazardous to one's  
10 health. Compliance with all possible applicable regulations is the Contractor's responsibility. Contractor shall not provide  
11 or install any product that contains any amount of asbestos or PCB. See General Requirements, CLEANING AND  
12 WASTE DISPOSAL for disposal of hazardous waste, if encountered.

### 14 ASBESTOS

15 Contractor's attention is directed to WAC NR 447, WAC DSS 159 and the Occupational Safety and Health Act (OSHA)  
16 in general, part 1926.1101--ASBESTOS in particular. Contractor is responsible for compliance with all applicable  
17 regulations when the work includes fastening to or coring through Asbestos Containing Materials (ACM) and disturbance  
18 of asbestos containing caulking and mastics. Contractor is responsible for removal and disposal of Category I non-  
19 friable ACM that will be disturbed by the work. Unless otherwise indicated, all caulking, sealants, glazing compounds,  
20 gaskets, asphalt roofing materials and miscellaneous adhesives are assumed to contain asbestos and are considered  
21 to be Category I non-friable ACM as defined in NR 447. Waste material containing Category I non-friable ACM, is  
22 regulated as Construction and Demolition (C&D) waste and may be disposed of at a Department of Natural Resources  
23 (DNR) approved C & D waste landfill. If Contractor's work methods cause non-friable ACM to become friable, the  
24 Contractor is responsible for the disposal of the friable asbestos waste at a landfill specifically approved by DNR to  
25 accept friable asbestos. A copy of the signed waste manifest for the disposal of all friable asbestos waste shall be  
26 provided to the Owner prior to request for final payment.

28 ~~The Owner, under a separate abatement contract, will remove hard packed pipe fittings, pipe insulation, resilient floor  
29 tile, mastic, ceramic tile grout and mortar. Hard packed pipe fittings might be present in inaccessible spaces that will be  
30 disturbed by the GPC's work. If encountered, the GPC is to mark the extent of hard packed pipe fittings to be removed.  
31 Allow five consecutive days in the construction schedule during each phase of demolition for asbestos abatement.  
32 Coordinate work with asbestos abatement contractor (AAC) who will require sole occupancy of the workspace during  
33 asbestos abatement.~~

35 If hazardous materials are ~~not anticipated, but~~ encountered, follow procedures described in Section 10.3 Hazardous  
36 Materials and Substances, of AIA Document A201 General Conditions of the Contract.

### 39 Lead Based Paint

40 Paint is assumed to contain lead. Conform to OSHA and EPA recommended worker safety requirements when removing  
41 lead based paint or material bearing lead based paint or material contaminated with lead by the demolition process.  
42 Contractor's attention is directed to the Occupational Safety and Health Act (OSHA) in general and particularly to 29  
43 CFR 1910 (LEAD STANDARD) and to CFR 1926 (LEAD EXPOSURE IN THE CONSTRUCTION INDUSTRY). Dispose  
44 of refuse containing lead based paint or contaminated with lead by the demolition process in conformance with State of  
45 Wisconsin Hazardous Waste Regulations set forth by the Department of Natural Resources and in conformance with  
46 OSHA and EPA recommended worker safety requirements.

### 48 PCB'S

49 Contractor's attention is directed to Wisconsin Administrative Code, Chapter NR 157 relative to PCB's. Refer to Division  
50 26, Electrical within these specifications for work involving PCB's.

## 52 **6. SOIL TEST BORINGS**

53 Not applicable to this project.

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**7. MUTUAL RESPONSIBILITY**

Contractor(s) shall coordinate the work with adjacent work and shall cooperate with all other contractors to facilitate the general progress of the work. Each contractors shall afford all other contractors every reasonable opportunity for the installation of their work and for the storage of their material. In no case will the Contractor(s) be permitted to exclude from the premises or work, any other Contractor or employees thereof, or interfere with any other Contractor in the executing or installation of their work.

Contractor(s) shall arrange the work and dispose of materials so as not to interfere with the work or storage of materials of others and each shall join their work to that of others in accordance with the intent of the drawings and specifications. All Contractors shall work in cooperation with the General Prime Contractor and with each other, and fit their work into the structure as job conditions may demand. All final decisions as to the right-of-way and run of pipe, ducts, etc., shall be made by the Owner at prearranged meetings with responsible representatives of the Contractors involved.

**8. PROJECT MEETINGS**

Project meetings will be held at the time designated by the Owner. Contractor, when requested, shall attend these meetings. If the principal of the firm does not attend meetings, a responsible representative of the Contractor who can bind the Contractor to a decision at the meetings shall attend.

The Architect/Engineer or a representative thereof will write a report covering all items discussed and decisions reached and copy of such report distributed to all parties involved.

**9. SLEEVES AND OPENINGS**

Each Contractor requiring sleeved openings shall furnish all sleeves required for their penetrations whether or not they responsible for providing the respective openings. Contractors furnishing sleeves to others for installation shall do this in a timely manner so as not to impede the project schedule.

Openings shown on the structural and/or architectural drawings shall be the responsibility of the General Prime Contractor. Sleeves furnished by other contractors for openings shown on the structural and/or architectural drawings shall be installed by the General Prime Contractor.

Openings that are required and are not shown on the structural and/or architectural drawings shall be the responsibility of the contractor requiring the openings. The contractor requiring the opening shall install sleeves for these openings or cut openings as needed (including floor openings within chases).

Individuals skilled in such work shall accomplish installation of sleeves and openings. Each Contractor shall be responsible for coordinating locations of their sleeves with work of other contractors.

Each Contractor who requires sleeves and/or openings shall submit through the Contractor, to the Owner for review and approval, layout drawings of all such required sleeves and/or openings. Sleeve and opening layout drawings shall be received by the Owner a minimum of two weeks prior to installation of the sleeves and openings. Sleeve and opening sizes and locations shall be dimensioned from column lines and floor elevations or from a point of reference approved by the Owner.

**10. CUTTING AND PATCHING**

Cutting and patching required to access work in existing walls, in chases, above inaccessible ceilings, below floors, etc., shall be by the Contractor who requires the access, unless shown on the bid documents otherwise or noted otherwise.

The Contractor shall do all cutting, or fitting of the work as required to make its several parts fit together, or to receive the work of others, as shown or reasonably implied by the drawings or specifications, or as may be directed by the Owner. Holes cut in exterior walls and/or roofs shall be waterproofed.

1 The Contractor who cuts shall also be responsible for patching. Where cutting and patching is required, the Contractor  
2 shall hire individuals skilled in such work to do cutting and patching.

3  
4 The Contractor who removes or relocates building components which leaves a remaining opening shall be responsible  
5 for patching the opening.

6  
7 Patching includes repairing openings to match adjacent construction and painting the surface to match existing. Painting  
8 means covering the entire wall where patching is to be done to nearest break point or corner unless indicated to be done  
9 by other contractors.

10  
11 Contractor shall not endanger any work by cutting, digging or otherwise and shall not cut or alter the work of others  
12 without their consent.

13  
14 Do not pierce beams or columns without permission of the Owner and then only as directed in writing. If any ductwork,  
15 piping, conduit, etc. is required through walls or floors where no sleeve has been provided, use a core drill or saw cut to  
16 prevent damage and structural weakening.

17  
18 Wherever any material, finish, or equipment, is damaged, the skilled contractor shall accomplish the repair or  
19 replacement, in that particular work and the cost shall be charged to the party responsible for the damage.

20  
21 **11. MANUFACTURER'S DIRECTIONS**

22 Contractors shall apply, install, connect, erect, use, clean and condition manufactured articles, materials, and equipment  
23 as recommended by the manufacturer, unless specified to the contrary. The manufacturer's latest recommendations at  
24 the time of bidding shall be used.

25  
26 **12. LAYOUT**

27 The General Prime Contractor shall immediately upon entering the site for purpose of beginning work, locate general  
28 reference points and take such action as is necessary to prevent their destruction. Each Contractor shall lay out its work  
29 and be responsible for all lines, elevations and measurements of the building and other work executed under its Contract.  
30 Each Contractor must exercise proper precaution to verify dimensions on the drawings before laying out work and will  
31 be held responsible for any error resulting from failure to exercise such precaution.

32  
33 Using datum furnished by the Owner, the lot lines and present levels have been established as shown on the drawings.  
34 Other grades, lines, levels and benchmarks, shall be established and maintained by each Contractor, who shall be  
35 responsible for them.

36  
37 As work progresses, the General Prime Contractor shall lay out on forms and floor, the locations of all partitions, walls  
38 and fix column centerlines as a guide to all contractors.

39  
40 The General Prime Contractor shall make provision to preserve property line stakes, benchmarks, or datum point. If any  
41 are lost, displaced or disturbed through neglect of any Contractor, Contractor's agents or employees, the Contractor  
42 responsible shall pay the cost of restoration.

43  
44 Each Contractor shall verify grades, lines, levels, locations and dimensions as shown on drawings and report any errors  
45 or inconsistencies to the Owner before commencing work. Starting of work by each Contractor shall imply acceptance  
46 of existing conditions.

47  
48 **13. SUPERVISION**

49 The General Prime Contractor shall take complete charge of the work under this contract and coordinate the work of all  
50 contractors on the project.

51  
52 **14. FIELD OFFICES**

53 Not required.

1  
2 **15. STAIRS AND SCAFFOLDS**

3 The General Prime Contractor shall:

4 Furnish and maintain equipment such as temporary stairs, fixed ladders, ramps, chutes, runways and the like as required  
5 for proper execution of work by all contractors, and shall remove them on completion of the work.  
6

7 Erect permanent stair framing as soon as possible. Provide stairs with temporary treads, handrails, and shaft protection.  
8

9 Contractors requiring scaffolds shall make arrangements with the General Prime Contractor, or shall provide their own  
10 and remove them on completion of the work. Each Contractor shall underlay its interior scaffolds with planking to prevent  
11 uprights from resting directly on the floor construction.  
12

13 **16. HOISTS, ELEVATORS OR CRANES**

14 Each separate contractor shall provide and pay for its own hoist/crane or other apparatus necessary for unloading/setting  
15 or moving their equipment and materials. Installation and removal of equipment for this activity must be accounted for  
16 in the Project Schedule.  
17

18 Equipment and operations for this activity shall comply with applicable Department of Safety and Professional Services  
19 and OSHA requirements. No material hoist may be used to transport personnel unless it meets Department of Safety  
20 and Professional Services and OSHA requirements for that purpose.  
21

22 Contractors shall provide any protection required, temporary or long term, to prevent damage to work in place or in  
23 progress. When hoisting activity results in such damage, the responsible contractor shall pay for cleaning, repair or  
24 replacement of material or equipment as determined by the Owner.  
25

26 Equipment, that imposes loads of any kind on work in place, shall not be erected without agreement from the Owner.  
27

28 At their own discretion, two or more contractors may agree to use common hoisting facilities. Under such arrangements,  
29 the allocation of costs, access and scheduling and all other details of the agreement are the responsibility of the  
30 contractors involved.  
31

32 Existing elevators may be used on a limited basis with the Owner's permission and agreement. Costs of warranty  
33 extensions and additional service work required will be paid by the using contractor. Appropriate protection must be  
34 provided by the using contractor and that contractor shall be responsible for any structural, mechanical or finish damage  
35 to the elevator and its parts and to adjoining building finishes and components.  
36

37 **17. SIGNS**

38 No project sign required.  
39

40 No individual advertising signs, plaques or credits, temporary or permanent, will be permitted on the building or premises,  
41 except the name of the Contractor on Contractor's office or material shed.  
42

43 **18. FENCE**

44 Construction Staging Areas/Materials Storage Areas: the Owner will assign required Construction Site Staging Areas  
45 and Material Storage Areas as required on this project. The General Prime Contractor shall provide an eight-foot (8'-0")  
46 high, temporary chain-link construction fence around the site construction staging/material storage areas as required to  
47 secure the staging area(s) and construction materials stored on site. Contractor shall construct of standard studded T-  
48 Posts of sufficient length for line posts and spaced not to exceed 8'-0" apart. Corner posts and gate posts are to be  
49 galvanized steel pipe of not less than 2 1/2" o.d. and shall be properly braced. Note: Plastic fencing or wooden snow  
50 fence is not acceptable. Provide gates, properly constructed and braced, complete with hinges, hasps, and padlocks in  
51 number and location required for proper control, delivery and distribution of material and equipment. Gate posts shall  
52 be adequately back tied and anchored to insure a rigid installation. All protective fencing shall be maintained in an  
53 upright, orderly fashion throughout the construction schedule.

1  
2 **19. ROADWAY**

3 Not applicable to this project.  
4

5 **20. TOILETS**

6 The General Prime Contractor shall arrange with Owner to use existing toilet facilities at building site. Toilets used by  
7 workers shall be kept clean and sanitary at all times.  
8

9 **21. TELEPHONES**

10 It is expected that each contractor have access to their own cell phone for their own use. No additional telephone service  
11 will be provided.  
12

13 **22. WATER SUPPLY**

14 The General Prime Contractor shall arrange with the Owner to use nearby existing water service.  
15

16 Toilets and slop sinks used by workers shall be kept clean and sanitary at all times.  
17

18 The General Prime Contractor shall supply water required for construction and other purposes from the existing  
19 building plumbing system.  
20

21 The General Prime Contractor shall prevent waste of water and shall maintain valves, connections, and hoses in  
22 perfect condition, at all times. Contractors shall provide their own hose or piping from hose bibs.  
23

24 **23. TEMPORARY ELECTRICAL WORK**

25 Duplex receptacles (120 volts) are available in each of the existing areas where work is performed for use of small hand  
26 tools when available.  
27

28 If a Contractor contemplates the use of equipment that requires a different voltage or greater capacity than that specified,  
29 then that Contractor must arrange with utility for this additional service and pay for installation of the service and the  
30 necessary additional switches and wiring required.  
31

32 The Electrical Contractor shall provide, at no cost to others, all lamps, wiring, switches, sockets and similar equipment  
33 required for temporary system until substantial completion. Upon completion of the project, the Electrical Contractor  
34 shall remove the temporary system.  
35

36 The temporary lighting system shall be sufficient to enable all contractors to safely complete their work and to enable the  
37 Owner to check all work as it is being done. Illumination shall be 5 foot-candles minimum in all areas and, in addition,  
38 shall meet or exceed the requirements of 29 CFR 1926.56 Illumination (OSHA regulations).  
39

40 In accordance with the latest issue of the National Electrical Code, all temporary electrical circuits for construction  
41 purposes shall be equipped with combination ground fault interrupter and circuit breakers meeting the requirements of  
42 UL for Class A, Group 1 devices. The ground fault interrupter portion shall be solid state type, insulated and isolated  
43 from the breaker mechanism. A test button shall be provided for checking the device. The breaker mechanism shall  
44 provide overload and short circuit protection and shall be operated by a toggle switch with overcenter switching  
45 mechanism so that contact cannot be held closed.  
46

47 All contractors shall furnish their extension cords and lamps other than those furnished for general lighting.  
48

49 All contractors and other separate Contractors shall be allowed to use the service provided for general lighting and  
50 fractional horsepower hand tools at no cost.  
51

1 The General Prime Contractor shall be compensated by those requiring three phase and single-phase energy used for  
2 equipment other than fractional horsepower hand tools. Arrangements shall be made with the General Prime Contractor  
3 before construction equipment is used.  
4

#### 5 **24. COLD WEATHER PROTECTION**

6 All heating and protective covering, required to protect the work from injury due to freezing and moisture during the  
7 construction period and prior to enclosure of the building, shall be classed as COLD WEATHER PROTECTION. Such  
8 protection shall be provided and paid for by the General Prime Contractor.  
9

10 Heat required to protect materials from injury due to freezing during the construction period and prior to enclosure, shall  
11 be provided by means of portable heating units intended for this purpose.  
12

13 All heating units must be approved types. Proper ventilation must be provided. The use of temporary units whose  
14 product of combustion will damage fresh concrete, mortar or other building materials, will not be allowed. Use of coke  
15 or oil salamanders is prohibited.  
16

17 If electrical power is required for oil or gas portable heating units, it may be taken from the available temporary power  
18 source and paid for by the General Prime Contractor.  
19

20 Heating units and the area surrounding the units shall be kept in a clean and safe condition.  
21

#### 22 **25. ENCLOSURE**

23 The General Prime Contractor should provide approved translucent material for temporary enclosure of exterior wall  
24 openings if they have not received final louvers. Plain or reinforced polyethylene film or other suitable translucent material  
25 will be acceptable, provided it is installed in or on a well-fitting rigid wood frame and kept in good repair. This means of  
26 temporary enclosure shall be used for other minor openings in walls.  
27

28 At the end of day's work, securely close temporary enclosures. Padlock work area doors. The General Prime Contractor  
29 shall supervise the effectiveness of enclosures.  
30

#### 31 **26. TEMPORARY HEAT**

32 All heating required after enclosure of the building up to substantial completion shall be classified as TEMPORARY  
33 HEAT. Enclosure is defined in the preceding Article.  
34

35 It shall be the responsibility of the General Prime Contractor to see that every precaution is used to prevent unnecessary  
36 escape of heat.  
37

38 For installations that are not connected to central plant steam or central plant hot water, the General Prime Contractor  
39 shall pay the fuel costs for temporary heat for both permanent heating systems used for temporary heat and/or temporary  
40 heating systems used for temporary heat.  
41

42 The General Prime Contractor shall pay for all electrical energy consumed for temporary heat.  
43

44 The Mechanical Contractor shall provide one of the following systems or a combination thereof, for furnishing temporary  
45 heat:  
46

47 Permanent heating system may be used for temporary heating. If permanent system is used, the Mechanical Contractor  
48 shall install in their permanent location heating coils or connectors as approved by the Owner, with controls to maintain  
49 temperatures required. Temporary filters shall be used in the permanent system. Provide bases, shields, etc., around  
50 heating elements to prevent too rapid drying of adjacent concrete, masonry or plaster. Relocation of some of the  
51 permanent heating system equipment may be required during construction to prevent interference with new construction.  
52 Temporary units may be installed in such areas during the time permanent equipment is not operating due to relocation.  
53

1 The distribution piping of the permanent heating system may be utilized for supply and return to unit heaters on each  
2 floor in lieu of temporary piping, provided approved connections, controls and protection of such piping is maintained.  
3

4 If the permanent air system is used during temporary heating period, temporary filters shall be provided in the system  
5 and they shall have efficiency equal to the permanent filters. The return air ductwork shall be protected from construction  
6 dirt by temporary filters placed over return openings.  
7

8 If the Mechanical Contractor does not have one of the above systems in operation by the time the building is enclosed,  
9 then the Mechanical Contractor shall provide, maintain and supervise the operation of temporary portable units with  
10 necessary automatic controls to provide required temperatures. Current required may be taken from the temporary  
11 electrical service. See "Temporary Electrical Installation". Cost of fuel to operate portable units shall be paid by the  
12 General Prime Contractor.  
13

14 All electrical wiring required for temporary heating units shall be furnished and installed by Mechanical Contractor, from  
15 temporary wiring service. Electrical wiring to permanent equipment used for temporary heating that has been mounted  
16 in its permanent location shall be wired by contractors skilled in that work.  
17

18 The use of open salamanders as portable heating units will not be approved. All portable temporary heating units shall  
19 be properly ventilated to prevent combustion gases from remaining in the heating area.  
20

21 The Mechanical Contractor must ascertain if heating equipment will operate on the temporary electrical service available.  
22 If service is insufficient to operate equipment, Mechanical Contractor shall make other arrangements.  
23

24 The Mechanical Contractor shall be responsible for the proper adjustment and maintenance of the system, and shall  
25 supervise and be responsible for the operation of the system used for temporary heating until the Owner occupies the  
26 building. Supervision shall include periodic checking of operation as required.  
27

28 A minimum temperature of 45 degrees and a maximum temperature of 60 degrees for the building shall be maintained  
29 by the Mechanical Contractor, except for a period of at least ten days prior to the placing of interior woodwork and  
30 throughout the placing of this and other finish, varnishing, painting, etc., and until substantial completion to provide  
31 sufficient heat to insure a temperature in the spaces involved of not less than 70 degrees nor more than 80 degrees.  
32

33 The temporary heating system shall be removed by the Mechanical Contractor after the permanent heating system has  
34 been installed and operating. Surfaces and structure shall be patched as required. Temporary heating equipment shall  
35 be relocated by the Mechanical Contractor as required during construction to prevent interference with new construction.  
36

37 At completion of construction work or when temporary heat is no longer required, Mechanical Contractor must repair any  
38 damage done to permanent equipment during temporary heating period and also perform the necessary cleaning of all  
39 ducts and equipment. The Mechanical Contractor shall provide permanent filters to the complete satisfaction of the  
40 Owner.  
41

## 42 **27. FIRE PROTECTION**

43 The General Prime Contractor shall provide and maintain in working order during the entire construction period, a  
44 minimum of three (3) fire extinguishers on each floor level, including basement of the building, and one (1) in temporary  
45 office. Extinguishers shall be non-freeze type such as A-B-C rated dry chemical, of not less than 10-pound capacity  
46 each. In addition, any Subcontractor who maintains an enclosed shed on the site shall provide and maintain, in an  
47 accessible location, one or more similar nonfreezing type fire extinguisher in each enclosed shed.  
48

## 49 **28. WATCHPERSONS**

50 Watchpersons will not be furnished by the Owner. The Contractor shall provide such precautionary measures, to include  
51 the furnishing of watchpersons if deemed necessary, to protect persons and property from damage or loss where the  
52 Contractor's work is involved.  
53



1 **29. STORAGE OF MATERIALS**

2 Contractor shall confine equipment, apparatus, storage of materials and operations to limits indicated on the drawings  
3 or by specific direction of the Owner and shall not bring material onto the site until they are needed for the progress of  
4 the work.

5  
6 The storage of materials on the grounds and within the building shall be in strict accordance with the instructions of the  
7 Owner. Storage of materials within the building shall at no time exceed the design carrying capacity of the structural  
8 system.

9  
10 All materials affected by moisture shall be stored on platforms and protected from the weather.

11  
12 All materials shall be stored in a manner that prevents release of hazardous material to the environment.

13  
14 All hazardous materials, including motor fuels, shall be properly handled and contained to prevent spills or other releases.  
15 The General Prime Contractor shall develop and maintain a contingency plan to provide emergency response,  
16 containment, and cleanup of spills of hazardous materials resulting from contract activities. All spills and releases shall  
17 be reported to the Owner as soon as possible.

18  
19 During the construction of this building, materials, construction sheds, and earth stockpiles shall be located so as not to  
20 interfere with the installation of the utilities nor cause damage to existing lines.

21  
22 The Contractor shall allot space to others for storage of their materials, and erection of their sheds.

23  
24 *Should it be necessary at any time to move material sheds or storage platforms, the Contractor shall move same at the  
25 Contractor's expense, when directed by Owner.*

26  
27 Repairing of areas used for placing of sheds, offices, and for storage of materials shall be done by the Contractor.

28  
29 **30. PROTECTION OF FINISHED CONSTRUCTION**

30 Contractor shall assume the responsibility for the protection of all finished construction under the Contract and shall  
31 repair and restore any and all damage of finished work to its original state.

32  
33 Wheeling of any loads over any type of floor, either with or without plank protection, will be permitted only in rubber tired  
34 wheelbarrows, buggies, trucks or dollies.

35  
36 Where structural concrete is also the finished surface, care must be taken to avoid marking or damaging those surfaces.

37  
38 **31. PROTECTION IN GENERAL**

39 All structures and equipment shall be constructed, installed and operated with guards, controls and other devices in  
40 place.

41  
42 *Temporary pumps required for pumping water from building excavation or from building proper shall be provided by the  
43 General Prime Contractor, including temporary connections. Plumbing Contractor shall install permanent sump basins  
44 and piping where and when required. Permanent sump pumps shall not be installed until building is substantially  
45 complete and when approved by Owner. The General Prime Contractor shall remove temporary pumps and connections  
46 when approved by Owner.*

47  
48 The General Prime Contractor shall:

49 Provide, erect and maintain all required planking, barricades, guard rails, temporary walkways, etc., of sufficient size and  
50 strength necessary for protection of stored material and equipment; paved surfaces, walks, curbs, gutters and drives;  
51 streets adjacent to or within project area; adjoining property and all project work to prevent accidents to the public and  
52 the workmen at the job site.

1 Notify adjacent property owners if their property interferes with the work so that arrangements for proper protection can  
2 be made.

3  
4 Provide and maintain proper shoring and bracing to prevent earth from caving or washing into the building excavation.  
5 Provide temporary protection around openings through floors and roofs, including elevator openings, stairwells, and edge  
6 of slabs.

7  
8 Provide and maintain proper shoring and bracing for existing underground utilities, sewers, etc., encountered during  
9 excavation work, to protect them from collapse or other type of damage until such time as they are to be removed,  
10 incorporated into the new work, or can be properly backfilled upon completion of new work.

11  
12 Provide protection against rain, snow, wind, ice, storms, or heat to maintain all work, materials, apparatus, and fixtures,  
13 incorporated in the work or stored on the site, free from injury or damage. At the end of the day's work, cover all new  
14 work likely to be damaged. Remove snow and ice as necessary for safety and proper execution of the work.

15  
16 Protect the building and foundations from damage at all times from rain, ground water and back-up from drains or sewers.  
17 Provide all equipment and enclosures as necessary to provide this protection.

18  
19 Damaged property shall be repaired or replaced in order to return it to its original condition. Damaged lawns shall be  
20 replaced with sod.

21  
22 Protect materials, work and equipment, not normally covered by above protection, until construction proceeds to a point  
23 where the general building protection of the area where located, dispenses with the necessity therefore. Protect work  
24 outside of the building lines such as trenches and open excavations, as specified above.

25  
26 Take all necessary precautions to protect the Owner's property as well as adjacent property, including trees, shrubs,  
27 buildings, sanitary and storm sewers, water piping, gas piping, electric conduit or cable, etc., from any and all damage  
28 which may result due to work on this project.

29  
30 Repair work outside of property line in accordance with the requirements of the authority having jurisdiction.

31  
32 Repair any work, damaged by failure to provide proper and adequate protection, to its original state to the satisfaction of  
33 the Owner or remove and replace with new work at the Contractor's expense.

34  
35 Protect trees indicated on the drawings to remain and trees in locations that would not interfere with new construction,  
36 from all damage. Do not injure trunks, branches, or roots of trees that are to remain. Do cutting and trimming only as  
37 approved and as directed by Owner.

38  
39 The value of trees destroyed or damaged will be charged against the account of the Contractor responsible for the  
40 damage in an amount equal to the expense of replacing the trees with those of similar kind and size.

41  
42 **32. CLEANING AND WASTE DISPOSAL**

43 Contractor shall be responsible for all cleaning required within the technical sections of the specifications governing work  
44 under the Contractor's jurisdiction as well as for keeping all work areas, passageways, ramps, stairs and all other areas  
45 of the premises free of accumulation of surplus materials, rubbish, debris and scrap which may be caused by the  
46 Contractor's operations or that of the Subcontractors.

47  
48 Remove rubbish, debris and scrap promptly upon its accumulation and in no event later than the end of each week.

49  
50 Combustible waste shall be removed immediately or stored in fire resistive containers until disposed of in an approved  
51 manner.

1 No burning of rubbish or debris will be allowed at the site. Rubbish, debris and scrap shall not be thrown through any  
2 window or other opening, or dropped from any great height; it shall be conducted to the ground, to waiting truck(s) or  
3 removable container(s) by means of approved chutes or other means of controlled conveyance.

4  
5 Form and scrap lumber shall have all nails withdrawn or bent over; shall be neatly stacked, placed in trash bins, or  
6 removed from the premises.

7  
8 Spillages of oil, grease or other liquids which could cause a slippery or otherwise hazardous situation or stain a finished  
9 surface, shall be cleaned up immediately.

10  
11 Dust, dirt and other foreign matter shall be removed completely from all internal surfaces of all mechanical and electrical  
12 units, cabinets, ducts, pipes, etc.

13  
14 Dirt, soil, fingerprints, stains and the like, shall be completely removed from all exposed finished surfaces.

15  
16 General Prime Contractor shall wash all glass immediately prior to the occupancy of this project. Work shall include the  
17 removal of labels, paint splattering, glazing compound and sealant. Surfaces shall include mirrors and both sides of all  
18 glass in windows, borrowed lights, partitions, doors and side lights.

19  
20 Broken, scratched or otherwise damaged glass shall be replaced by the General Prime Contractor.

21  
22 In addition to the above, the General Prime Contractor shall be responsible for the general "broom" cleaning of the  
23 premises and for expediting all of the cleaning, washing, waxing and polishing required within the technical sections of  
24 the specifications governing work under this Contract. The General Prime Contractor shall also perform "final" cleaning  
25 of all exposed surfaces to remove all foreign matter, spots, soil, construction dust, etc., so as to put the project in a  
26 complete and finished condition ready for acceptance and use intended.

27  
28 If rubbish and debris is not removed, or if surfaces are not cleaned as specified above, the Owner reserves the right to  
29 have said work done by others and the related cost(s) will be deducted from monies due the Contractor.

### 30 31 **33. OPERATING AND MAINTENANCE MANUALS AND INSTRUCTIONS**

32 Contractor shall provide the Owner with two (2) sets of the O&M data for each device, piece of equipment and assembly  
33 furnished and/or installed under this contract. Format shall be paper, indexed and labeled and bound in three-ring  
34 binders. When duplicate electronic data is available, include electronic media in 3-hole vinyl holders in binders.

35  
36 The O&M manuals shall include the following:

- 37 • Table of Contents
- 38 • Contact information (including emergency contact number) for installing contractor, original vendor  
39 manufacturer and service provider
- 40 • Copy of approved submittals
- 41 • As-built control drawings and sequences of operations
- 42 • Catalog data or literature with correct model number checked
- 43 • Manufacturer's installation and operation instructions including start-up, break-in, shutdown, seasonal,  
44 emergency and special operation procedures
- 45 • Manufacturer's maintenance instructions including procedures and instructions for problem corrections,  
46 preventive maintenance, testing, alignment, adjustment and repair
- 47 • Complete parts list in an exploded view diagram of the equipment
- 48 • Construction Verification Checklists
- 49 • Inspection and testing reports
- 50 • Maintenance records indicating maintenance performed by contractor prior to substantial completion
- 51 • Equipment warranties including terms and conditions and date of inception (substantial completion) and date  
52 of expiration
- 53 • List of special tools or testing equipment required for the operation, testing or maintenance of the equipment

1 • For items assembled by the Contractor for special functions, write operating and maintenance instructions  
2 Contractor shall submit to A/E for review, make revisions noted by A/E and provide final O&M data for A/E's review 30  
3 business days prior to training. Any revisions or changes to the systems and/or equipment post-delivery of the final O &  
4 M data submittal must be submitted to A/E as an addendum within 30 days of the revision or change.  
5

#### 6 **34. TESTS AND ADJUSTMENTS**

7 The complete installation consisting of the several parts and systems and all equipment installed according to the  
8 requirements of the Contract Documents, shall be ready in all respects for use by the Owner and shall be subjected to a  
9 test at full operating conditions and pressures for normal conditions of use.  
10

11 Contractor shall make all necessary adjustments and replacements affecting the work which is necessary to fulfill Owner  
12 requirements and to comply with the directions and recommendations of the manufacturer of the several pieces of  
13 equipment, and to comply with all codes and regulations which may apply to the entire installation. Contractor shall also  
14 make all required adjustments to comply with all provisions of the drawings and specifications.  
15

#### 16 **35. LOOSE AND DETACHABLE PARTS**

17 Contractor shall retain all loose and small detachable parts of apparatus and equipment furnished under this Contract,  
18 until completion of the work and shall turn them over to Owner designated to receive them. Contractor shall obtain from  
19 the Owner an itemized receipt thereof  
20

#### 21 **36. EROSION CONTROL AND STORM WATER MANAGEMENT**

22 Not applicable to this project.  
23

#### 24 **37. AIR QUALITY MANAGEMENT**

25 In accordance with the Department of Administration's air quality management practice on Ozone Action Days, all  
26 contractors shall reduce or limit emissions and particulate matter that adversely affect air quality.  
27

28 The General Prime Contractor shall establish the action plan, in cooperation with other contractor(s), concerning  
29 implementation of air quality management on Ozone Action Days. This plan shall include suspending work or modifying  
30 operations for all activities related to ozone, volatile organic compounds (VOC) and nitrogen oxide emissions. These  
31 work activities include but are not limited to the following:

32 Limit equipment and vehicle refueling to after 6 pm.

33 Limit use of gasoline-powered vehicle and equipment.

34 Limit excessive idling of diesel-powered vehicle and equipment.

35 Limit large scale painting with VOC.

36 Limit large scale asphalt roofing and paving.

37 Limit and/or control all dust creating activities.  
38

39 For information on air quality readings on Ozone Action Days refer to:

40 1-866-324-5924; or

41 <http://www.dnr.state.wi.us/org/aw/air/wisards/state.htm>  
42

#### 43 **38. CONSTRUCTION WASTE MANAGEMENT**

44 See Section 01 74 19 – Construction Waste Management.  
45

#### 46 **39. GUARANTEE DOCUMENTS**

47 Upon Substantial Completion of project, the Contractor shall submit such written guarantees and bonds to the Owner.  
48

#### 49 **40. RECORD DOCUMENTS**

50 On a suitable set of Contract Documents, the contractor is to maintain a daily record of changes and deviations from the  
51 contract. All buried or concealed piping, conduit, or similar items shall be located by dimensions and elevations on the  
52 record drawings.  
53

1 The daily record of changes shall be the responsibility of Contractor's field superintendent. No arbitrary mark-ups will be  
2 permitted.

3

4 Once during the month the Contractor shall present at the project, the job copy showing variations and changes to date  
5 to the Architect/Engineer and the Owner for their review.

6

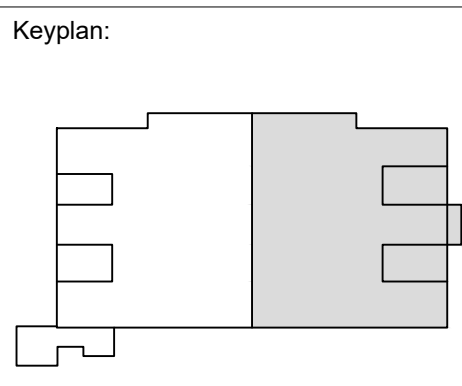
7 At substantial completion of the project, the Contractor shall transmit the marked up as-built documents to the  
8 Architect/Engineer and copy the Owner on the transmittal of the documents. The A/E will incorporate the contractor  
9 marked up as-built drawings into the record drawings.

10

\*\*\*

11

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Revisions:

No.	Date	Description
1	04/16/24	ADDENDUM 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD10B.1</b>

**GENERAL NOTES:**

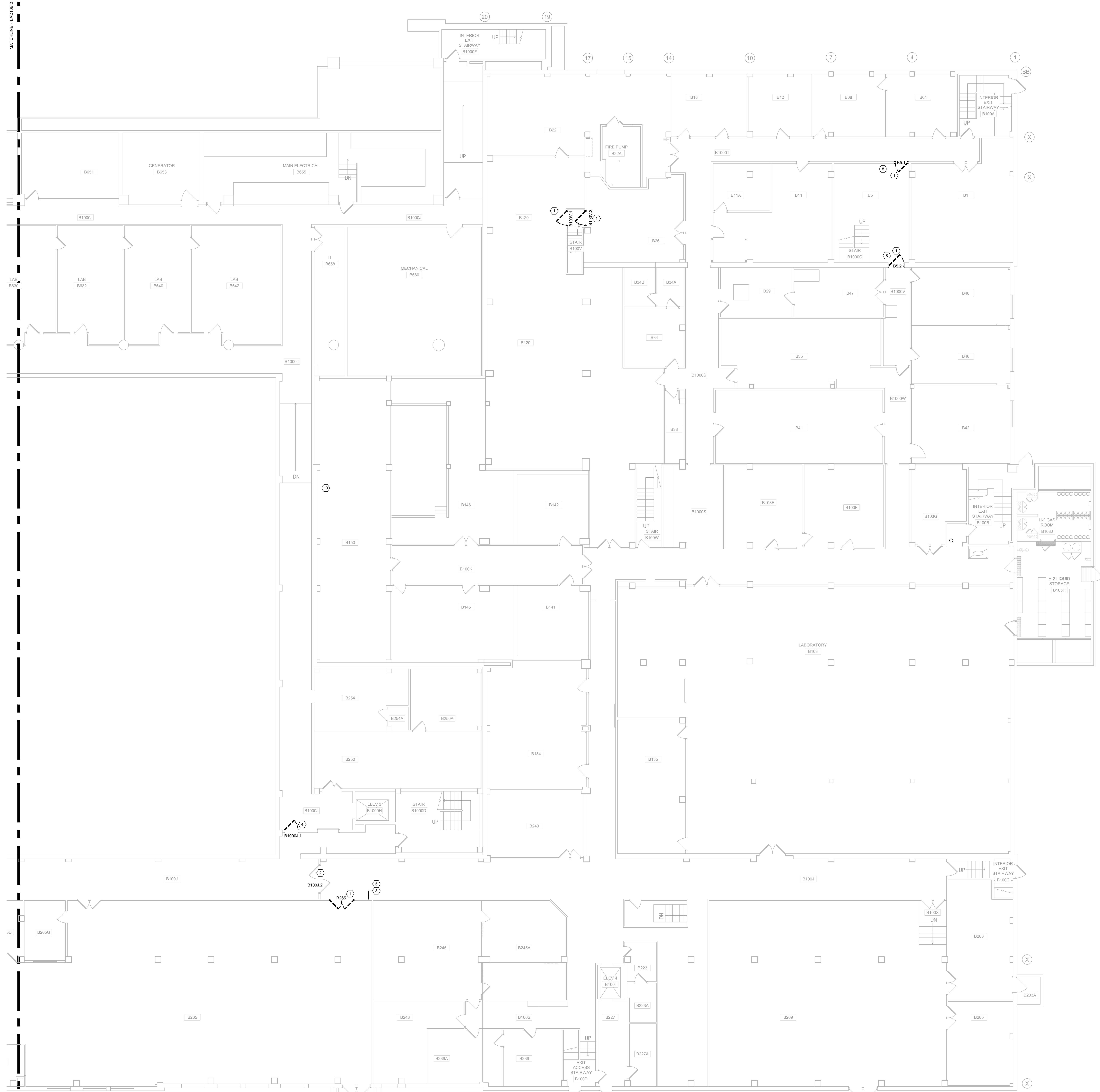
- VERIFY CONSTRUCTION OF ALL WALLS AND PARTITIONS TO BE REMOVED.
- REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. COORDINATE SPECIFIC WORK WITH EACH SUB-CONTRACTOR.
- TEMPORARY LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE DURATION OF THE PROJECT.
- CONTRACTORS ARE RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. ANY DISRUPTION IN SERVICE REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING ELECTRICAL WORK, PIPING, CONDUIT, CIRCUITS OR ANY ASSOCIATED EQUIPMENT, MUST BE COORDINATED IN ADVANCE WITH THE OWNER/USER.
- NOT USED
- IF HAZARDOUS MATERIALS ARE ENCOUNTERED, FOLLOW PROCEDURES DESCRIBED IN SECTION 10.3 HAZARDOUS MATERIALS AND SUBSTANCES. OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT. REFER ALSO TO DIVISION 1 - GENERAL REQUIREMENTS, SECTION 5 HAZARDOUS SUBSTANCES. FOLLOW ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO HAZARDOUS MATERIALS.
- IF NO WORK IS INDICATED, SHEET IS ISSUED FOR REFERENCE ONLY.
- SHEET KEYNOTES THAT ARE NOT USED THIS SHEET ARE GREY-TONED, NOT BLACK.

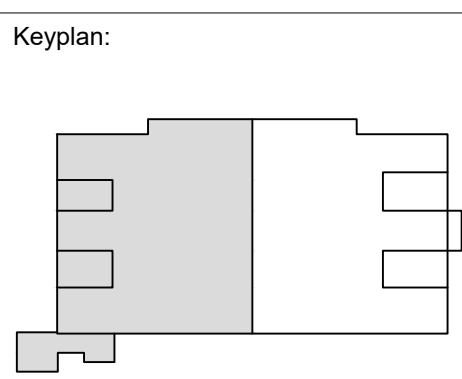
**SHEET KEYNOTES**  
**AD100-SERIES DEMO PLANS**

- REMOVE DOOR PANEL(S), FRAME AND HARDWARE.
- REMOVE PORTION OF EXISTING HARDWARE. REFER TO DOOR SCHEDULE FOR DESCRIPTION AND HARDWARE SET.
- REMOVE FIRE EXTINGUISHER CABINET.
- REMOVE DAMAGED DOOR PANEL. SALVAGE HARDWARE FOR REUSE WITH NEW DOOR PANEL.
- REMOVE OBSOLETE IN-WALL FIRE ALARM BELL AND CLASSROOM BELL.
- REMOVE EXISTING GWS PARTITION AND CERAMIC TILE FINISH.
- REMOVE DOOR PANEL(S), FRAME AND HARDWARE. SALVAGE WOOD TRIM ON ROOM SIDE OF DOOR.
- REMOVE THROUGH-WALL DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
- REMOVE THROUGH-SLAB DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
- REMOVE ABANDONED DUCT.
- REMOVE ACCESS PANEL.
- REMOVE AND SALVAGE (FOR REINSTALLATION) EMERGENCY SHOWER.

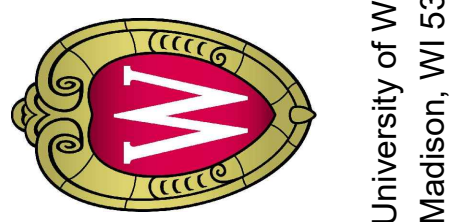
**DEMO PLAN SYMBOL LEGEND:**

- TEMPORARY DUST PARTITION
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO REMAIN
- EXISTING DOOR PANEL(S) AND FRAME TO REMAIN WITH HARDWARE UPDATES
- EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO BE REMOVED, U.N.O.
- EXISTING ITEM TO REMAIN
- EXISTING ITEM TO BE REMOVED
- KEYNOTE





The Board of Regents of the University of Wisconsin on behalf of the University of Wisconsin - Madison  
 University of Wisconsin - Madison  
 Madison, WI 53703



**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**  
 SHEET TITLE: BASEMENT DEMOLITION FLOOR PLAN - WEST

Revisions:		
No.	Date	Description
1	04/16/24	ADDENDUM 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD10B.2</b>

**GENERAL NOTES:**

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- REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. COORDINATE SPECIFIC WORK WITH EACH SUB-CONTRACTOR.
- TEMPORARY LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE DURATION OF THE PROJECT.
- CONTRACTORS ARE RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. ANY DISRUPTION IN SERVICE REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING ELECTRIC WORK, PIPING, CONDUIT, CIRCUITS OR ANY ASSOCIATED EQUIPMENT, MUST BE COORDINATED IN ADVANCE WITH THE OWNER/USER.
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**SHEET KEYNOTES**  
**AD100-SERIES DEMO PLANS**

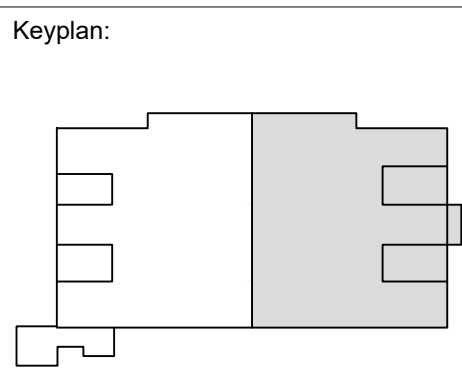
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- EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO BE REMOVED, U.N.O.
- EXISTING ITEM TO REMAIN
- EXISTING ITEM TO BE REMOVED
- KEYNOTE







Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD11B.1</b>

**GENERAL NOTES:**

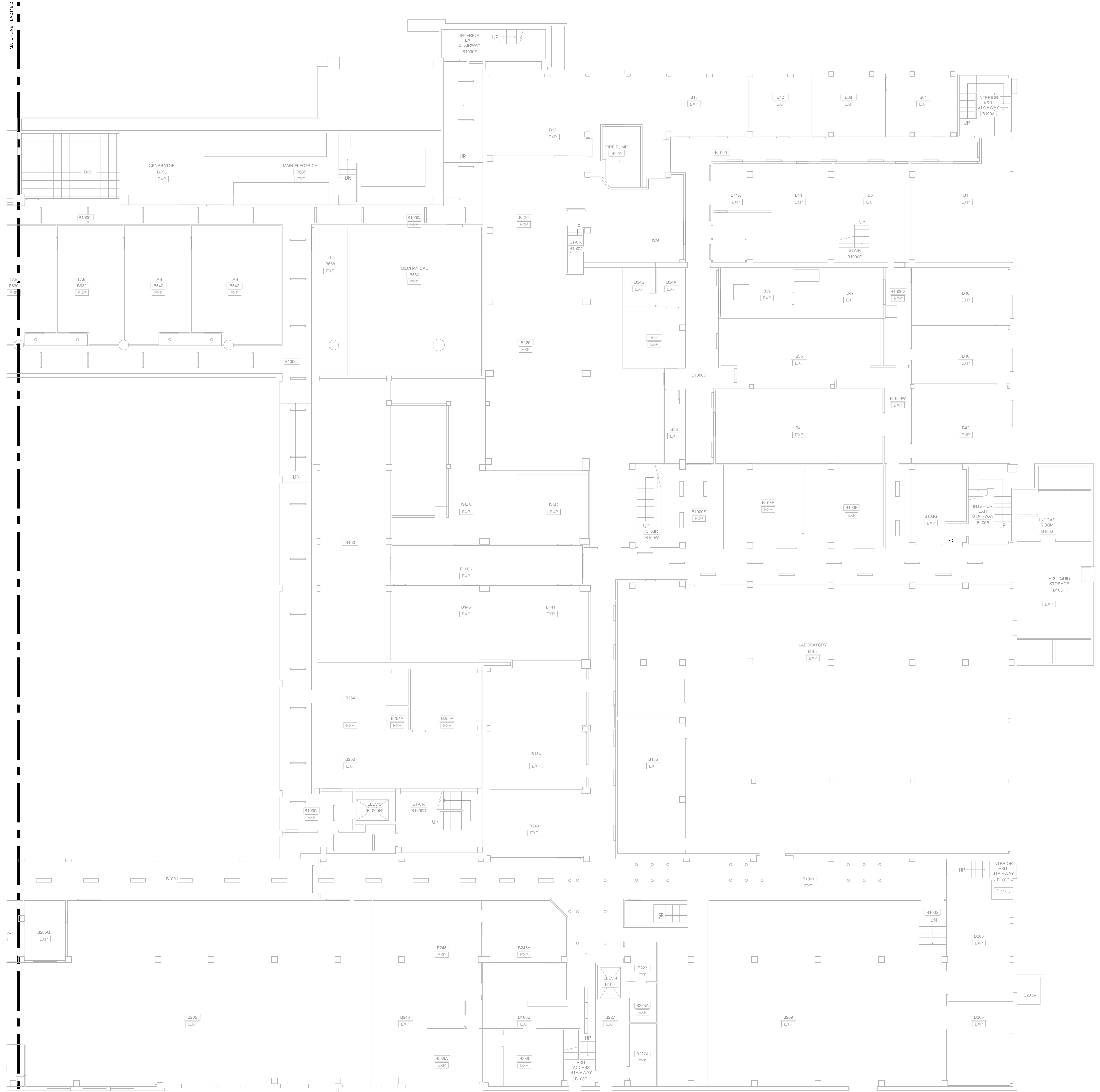
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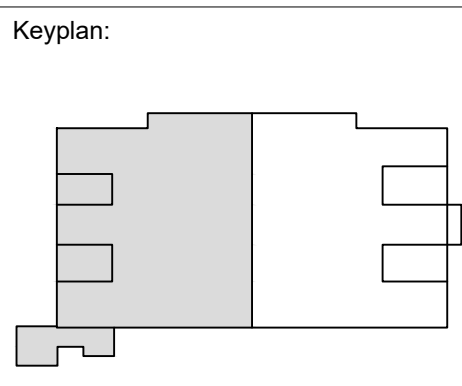
**SHEET KEYNOTES**  
**AD110-SERIES DEMO RCPs**

- EXISTING ACoustICAL PANEL CEILING ("ACT") AND MEPT/FP FIXTURES IN SUSPENDED GRID. REMOVE (FOR REINSTALLATION) AT LEAST 2" OF TO ALLOW INSTALLATION OF FIRESTOP SYSTEMS IN EXISTING CONSTRUCTION FOR ASSIGNMENT AS FIRE BARRIERS.
- EXISTING ACoustICAL PANEL CEILING ("ACT") AND MEPT/FP FIXTURES IN SUSPENDED GRID. REMOVE AND SALVAGE PANELS (FOR REINSTALLATION) AND DECONSTRUCT GRID (FOR IN-KIND REPLACEMENT) AS NEEDED TO ALLOW INSTALLATION OF NEW FIRE BARRIER.
- EXISTING ACoustICAL PANEL CEILING ("ACT") AND MEPT/FP FIXTURES IN SUSPENDED GRID. REMOVE AND SALVAGE PANELS (FOR REINSTALLATION) AND DECONSTRUCT GRID (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM. EXPECT REMOVAL (FOR REINSTALLATION) OF AT LEAST HALF OF ROOM'S CEILING PANELS AND REMOVAL OF GRID AS NEEDED.
- EXISTING GWB (2 LAYERS) CEILING, SUSPENDED FRAMING, AND MEPT FIXTURES. REMOVE GWB (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL SPRINKLER SYSTEM. EXPECT REMOVAL OF AT LEAST HALF OF GWB.
- EXISTING METAL PANEL CEILING AND MEPT FIXTURES. REMOVE (FOR REINSTALLATION) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.
- EXISTING STONE CEILING FINISH SHALL NOT BE DISTURBED.
- EXISTING PLASTER CEILING FINISH AND MEPT FIXTURES. REMOVE (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.
- EXISTING SUSPENDED GRATE CEILING/LIGHT BAFFLE. REMOVE (FOR REINSTALLATION) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.

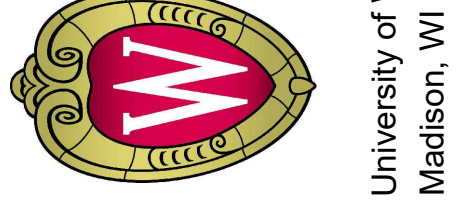
**DEMO RCP SYMBOL LEGEND:**

EXISTING	DEMO	DESCRIPTION
		GWB CEILING
		ACT CEILING
		INTERNALLY ILLUMINATED EXIT SIGN CEILING-MOUNT
		INTERNALLY ILLUMINATED EXIT SIGN WALL-MOUNT
		LIGHT FIXTURE, RECESSED
		LIGHT FIXTURE, SURFACE-MOUNT
		LIGHT FIXTURE, SUSPENDED
		HVAC SUPPLY AIR DIFFUSER
		HVAC RETURN AIR GRILLE
		HVAC EXHAUST GRILLE





The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison



University of Wisconsin - Madison  
 Madison, WI 53706

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**  
 SHEET TITLE:  
 BASEMENT DEMOLITION REFLECTED CEILING PLAN - WEST

Revisions:

No.	Date	Description
1	04/16/24	ADDENDUM 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD11B.2</b>

**GENERAL NOTES:**

- REFER TO AD-100 SERIES DEMOLITION FLOOR PLANS AND MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES.
- TEMPORARY LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE DURATION OF THE PROJECT.
- CONTRACTORS ARE RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. ANY DISRUPTION IN SERVICE REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING DUCTWORK, PIPING, CONDUIT, CIRCUITS OR ANY ASSOCIATED EQUIPMENT, MUST BE COORDINATED IN ADVANCE WITH THE OWNER/USER.
- NOT USED.
- IF HAZARDOUS MATERIALS ARE ENCOUNTERED, FOLLOW PROCEDURES DESCRIBED IN SECTION 10.3 HAZARDOUS MATERIALS AND SUBSTANCES, OF AN DOCUMENT A-001 GENERAL CONDITIONS OF THE CONTRACT. REFER ALSO TO DIVISION 1 - GENERAL REQUIREMENTS, SECTION 5 HAZARDOUS SUBSTANCES. FOLLOW ALL APPLICABLE LOCAL STATE AND FEDERAL REGULATIONS PERTAINING TO HAZARDOUS MATERIALS.
- IF NO WORK IS INDICATED, SHEET IS ISSUED FOR REFERENCE ONLY.
- SHEET KEYNOTES THAT ARE NOT USED THIS SHEET ARE GREY-TONED, NOT BLACK.

**SHEET KEYNOTES**  
**AD110-SERIES DEMO RCPs**

- EXISTING ACOUSTICAL PANEL CEILING ("ACT") AND MEPT/ITFP FIXTURES IN SUSPENDED GRID. REMOVE FOR REINSTALLATION AT LEAST 2'-0" TO ALLOW INSTALLATION OF FIRESTOP SYSTEMS IN EXISTING CONSTRUCTION FOR ASSIGNMENT AS FIRE BARRIERS.
- EXISTING ACOUSTICAL PANEL CEILING ("ACT") AND MEPT/ITFP FIXTURES IN SUSPENDED GRID. REMOVE AND SALVAGE PANELS (FOR REINSTALLATION) AND DECONSTRUCT GRID (FOR IN-KIND REPLACEMENT) AS NEEDED TO ALLOW INSTALLATION OF NEW FIRE BARRIER.
- EXISTING ACOUSTICAL PANEL CEILING ("ACT") AND MEPT/ITFP FIXTURES IN SUSPENDED GRID. REMOVE AND SALVAGE PANELS (FOR REINSTALLATION) AND DECONSTRUCT GRID (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM. EXPECT REMOVAL (FOR REINSTALLATION) OF AT LEAST HALF OF ROOM'S CEILING PANELS AND REMOVAL OF GRID AS NEEDED.
- EXISTING GWB (2 LAYERS) CEILING, SUSPENDED FRAMING, AND MEPT FIXTURES. REMOVE GWB (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL SPRINKLER SYSTEM. EXPECT REMOVAL OF AT LEAST HALF OF GWB.
- EXISTING METAL PANEL CEILING AND MEPT FIXTURES. REMOVE (FOR REINSTALLATION) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.
- EXISTING STONE CEILING FINISH SHALL NOT BE DISTURBED.
- EXISTING PLASTER CEILING FINISH AND MEPT FIXTURES. REMOVE (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.
- EXISTING SUSPENDED GRATE CEILING LIGHT BAFFLE. REMOVE (FOR REINSTALLATION) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.

**DEMO RCP SYMBOL LEGEND:**

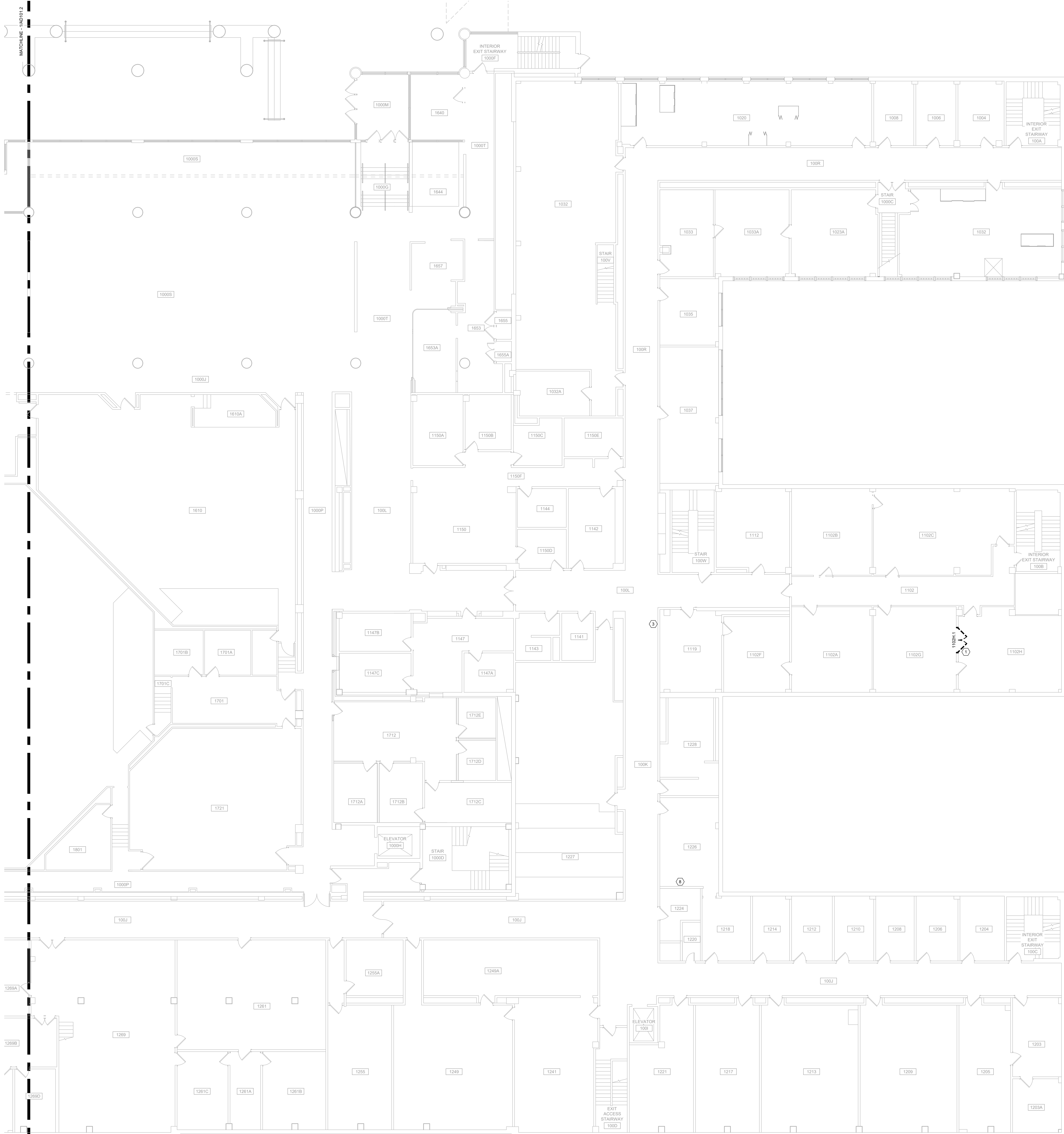
EXISTING	DEMO	DESCRIPTION
		GWB CEILING
		ACT CEILING
		INTERNALLY ILLUMINATED EXIT SIGN CEILING-MOUNT
		INTERNALLY ILLUMINATED EXIT SIGN WALL-MOUNT
		LIGHT FIXTURE, RECESSED
		LIGHT FIXTURE, SURFACE-MOUNT
		LIGHT FIXTURE, SUSPENDED
		HVAC SUPPLY AIR DIFFUSER
		HVAC RETURN AIR GRILLE
		HVAC EXHAUST GRILLE



PLAN NORTH

**BASEMENT DEMOLITION REFLECTED CEILING PLAN - WEST**  
 1/8" = 1'-0"  
 0 4 8 16'

MATCHLINE - 100718.1



**GENERAL NOTES:**

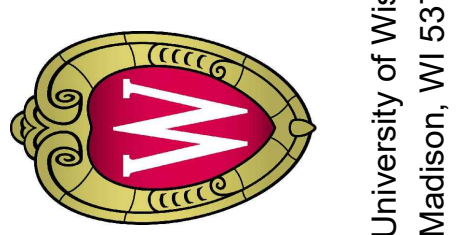
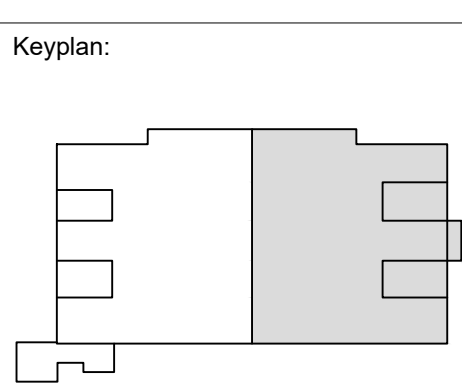
1. VERIFY CONSTRUCTION OF ALL WALLS AND PARTITIONS TO BE REMOVED.
2. REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. COORDINATE SPECIFIC WORK WITH EACH SUB-CONTRACTOR.
3. TEMPORARY LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE DURATION OF THE PROJECT.
4. CONTRACTORS ARE RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. ANY DISRUPTION IN SERVICE REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING ELECTRIC WORK, PIPING, CONDUIT, CIRCUITS OR ANY ASSOCIATED EQUIPMENT, MUST BE COORDINATED IN ADVANCE WITH THE OWNER/USER.
5. NOT USED
6. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, FOLLOW PROCEDURES DESCRIBED IN SECTION 10.3 HAZARDOUS MATERIALS AND SUBSTANCES. OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT. REFER ALSO TO DIVISION 1 - GENERAL REQUIREMENTS, SECTION 5 HAZARDOUS SUBSTANCES. FOLLOW ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO HAZARDOUS MATERIALS.
7. IF NO WORK IS INDICATED, SHEET IS ISSUED FOR REFERENCE ONLY.
8. SHEET KEYNOTES THAT ARE NOT USED THIS SHEET ARE GREY-TONED, NOT BLACK.

**SHEET KEYNOTES  
AD100-SERIES DEMO PLANS**

1. REMOVE DOOR PANEL(S), FRAME AND HARDWARE.
2. REMOVE PORTION OF EXISTING HARDWARE. REFER TO DOOR SCHEDULE FOR DESCRIPTION AND HARDWARE SET.
3. REMOVE FIRE EXTINGUISHER CABINET.
4. REMOVE DAMAGED DOOR PANEL. SALVAGE HARDWARE FOR REUSE WITH NEW DOOR PANEL.
5. REMOVE OBSOLETE IN-WALL FIRE ALARM BELL AND CLASSROOM BELL.
6. REMOVE EXISTING GWS PARTITION AND CERAMIC TILE FINISH.
7. REMOVE DOOR PANEL(S), FRAME AND HARDWARE. SALVAGE WOOD TRIM ON ROOM SIDE OF DOOR.
8. REMOVE THROUGH-WALL DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
9. REMOVE THROUGH-SLAB DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
10. REMOVE ABANDONED DUCT.
11. REMOVE ACCESS PANEL.
12. REMOVE AND SALVAGE (FOR REINSTALLATION) EMERGENCY SHOWER.

**DEMO PLAN SYMBOL LEGEND:**

- TEMPORARY DUST PARTITION
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO REMAIN
- 555 (with keyhole symbol) EXISTING DOOR PANEL(S) AND FRAME TO REMAIN WITH HARDWARE UPDATES
- 555 (with keyhole symbol) EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO BE REMOVED, U.N.O.
- EXISTING ITEM TO REMAIN
- EXISTING ITEM TO BE REMOVED
- ⊗ KEYNOTE

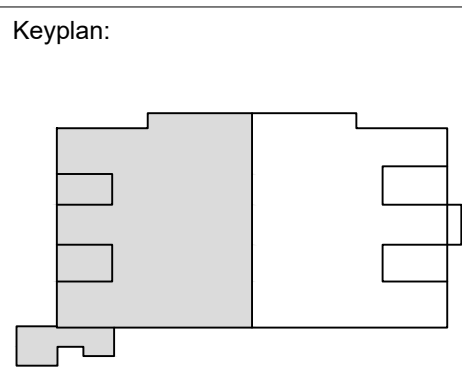


Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD101.1</b>





Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD101.2</b>

**GENERAL NOTES:**

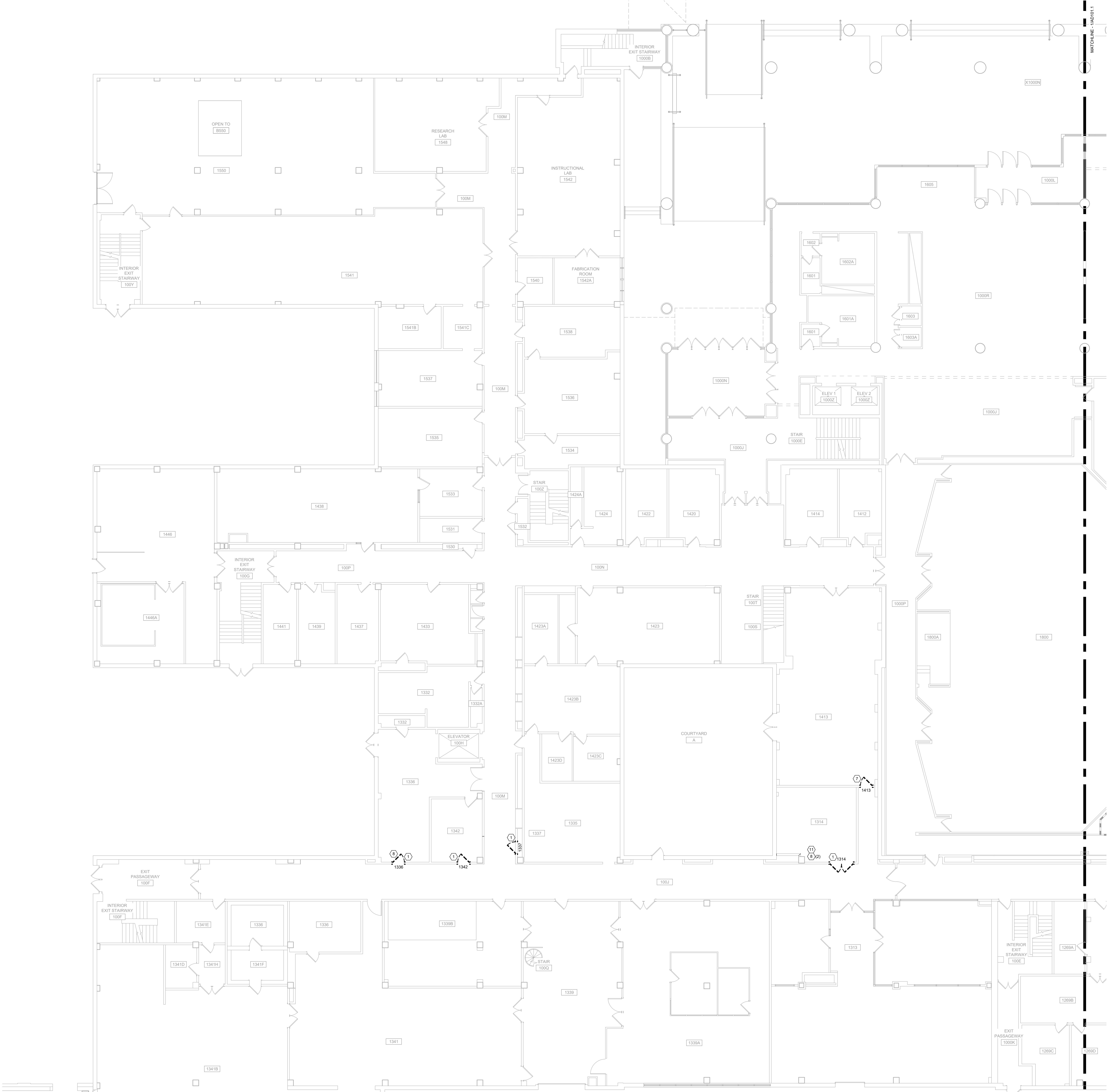
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- REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. COORDINATE SPECIFIC WORK WITH EACH SUB-CONTRACTOR.
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**SHEET KEYNOTES**  
**AD100-SERIES DEMO PLANS**

- REMOVE DOOR PANEL(S), FRAME AND HARDWARE.
- REMOVE PORTION OF EXISTING HARDWARE. REFER TO DOOR SCHEDULE FOR DESCRIPTION AND HARDWARE SET.
- REMOVE FIRE EXTINGUISHER CABINET.
- REMOVE DAMAGED DOOR PANEL. SALVAGE HARDWARE FOR REUSE WITH NEW DOOR PANEL.
- REMOVE OBSOLETE IN-WALL FIRE ALARM BELL AND CLASSROOM BELL.
- REMOVE EXISTING GWS PARTITION AND CERAMIC TILE FINISH.
- REMOVE DOOR PANEL(S), FRAME AND HARDWARE. SALVAGE WOOD TRIM ON ROOM SIDE OF DOOR.
- REMOVE THROUGH-WALL DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
- REMOVE THROUGH-SLAB DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
- REMOVE ABANDONED DUCT.
- REMOVE ACCESS PANEL.
- REMOVE AND SALVAGE (FOR REINSTALLATION) EMERGENCY SHOWER.

**DEMO PLAN SYMBOL LEGEND:**

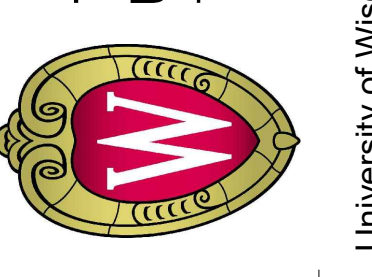
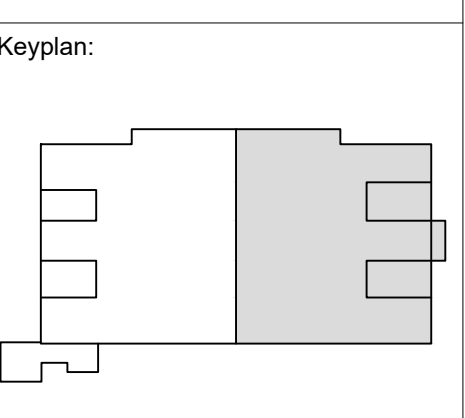
- TEMPORARY DUST PARTITION
- EXISTING WALL TO REMAIN
- EXISTING WALL TO BE REMOVED
- EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO REMAIN
- EXISTING DOOR PANEL(S) AND FRAME TO REMAIN WITH HARDWARE UPDATES
- EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO BE REMOVED, U.N.O.
- EXISTING ITEM TO REMAIN
- EXISTING ITEM TO BE REMOVED
- KEYNOTE



PLAN NORTH

**FIRST FLOOR DEMOLITION PLAN - WEST**

1/8" = 1'-0"



Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD102.1</b>

**GENERAL NOTES:**

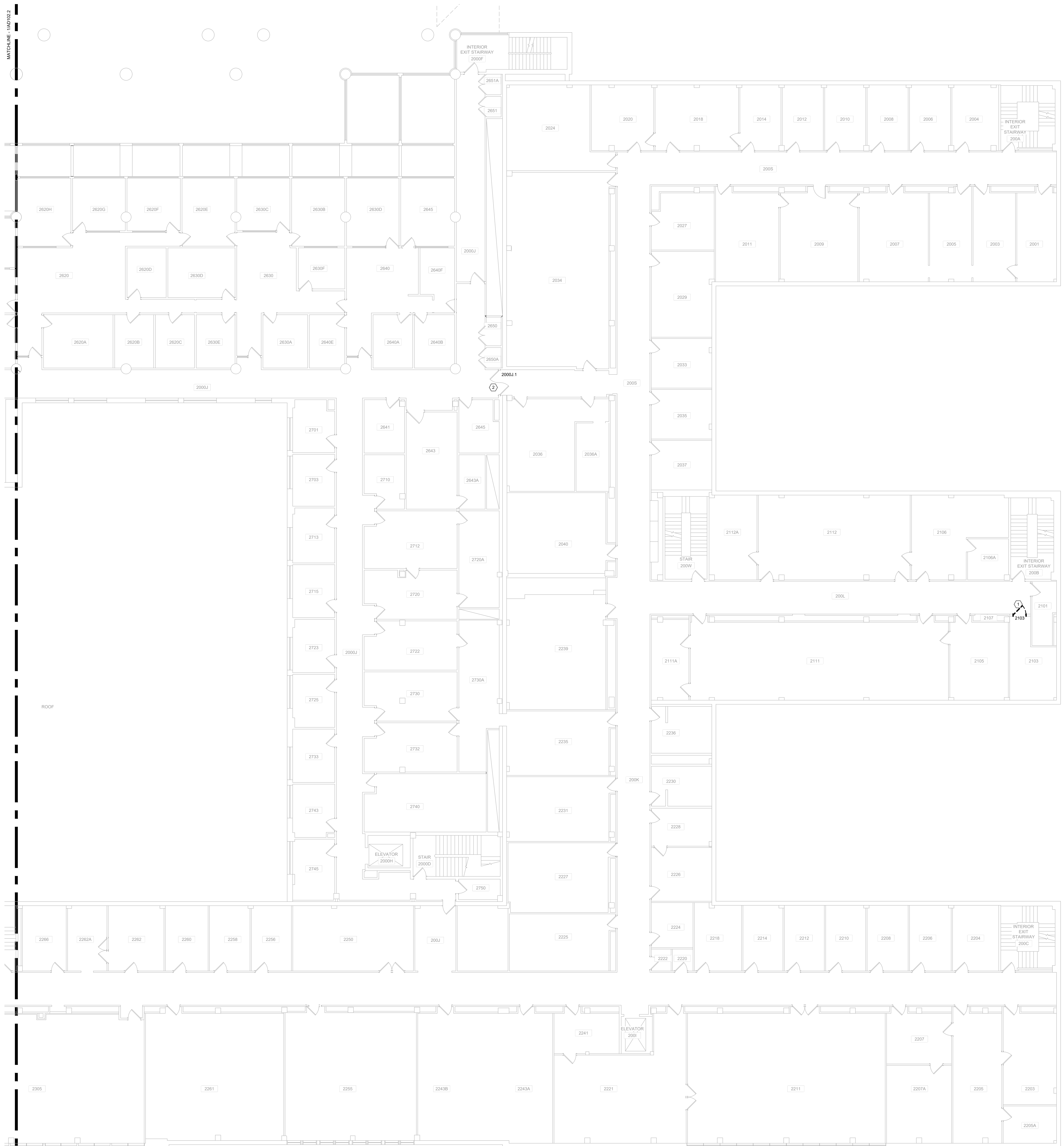
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**SHEET KEYNOTES  
 AD100-SERIES DEMO PLANS**

- REMOVE DOOR PANEL(S), FRAME AND HARDWARE.
- REMOVE PORTION OF EXISTING HARDWARE. REFER TO DOOR SCHEDULE FOR DESCRIPTION AND HARDWARE SET.
- REMOVE FIRE EXTINGUISHER CABINET.
- REMOVE DAMAGED DOOR PANEL. SALVAGE HARDWARE FOR REUSE WITH NEW DOOR PANEL.
- REMOVE OBSOLETE IN-WALL FIRE ALARM BELL AND CLASSROOM BELL.
- REMOVE EXISTING GWS PARTITION AND CERAMIC TILE FINISH.
- REMOVE DOOR PANEL(S), FRAME AND HARDWARE. SALVAGE WOOD TRIM ON ROOM SIDE OF DOOR.
- REMOVE THROUGH-WALL DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
- REMOVE THROUGH-SLAB DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
- REMOVE ABANDONED DUCT.
- REMOVE ACCESS PANEL.
- REMOVE AND SALVAGE (FOR REINSTALLATION) EMERGENCY SHOWER.

**DEMO PLAN SYMBOL LEGEND:**

- TEMPORARY DUST PARTITION
- EXISTING WALL TO REMAIN
- - - EXISTING WALL TO BE REMOVED
- EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO REMAIN
- EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO BE REMOVED, U.N.O.
- EXISTING ITEM TO REMAIN
- - - EXISTING ITEM TO BE REMOVED
- ⊗ KEYNOTE







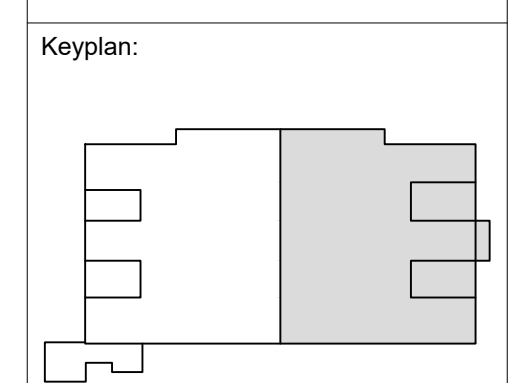
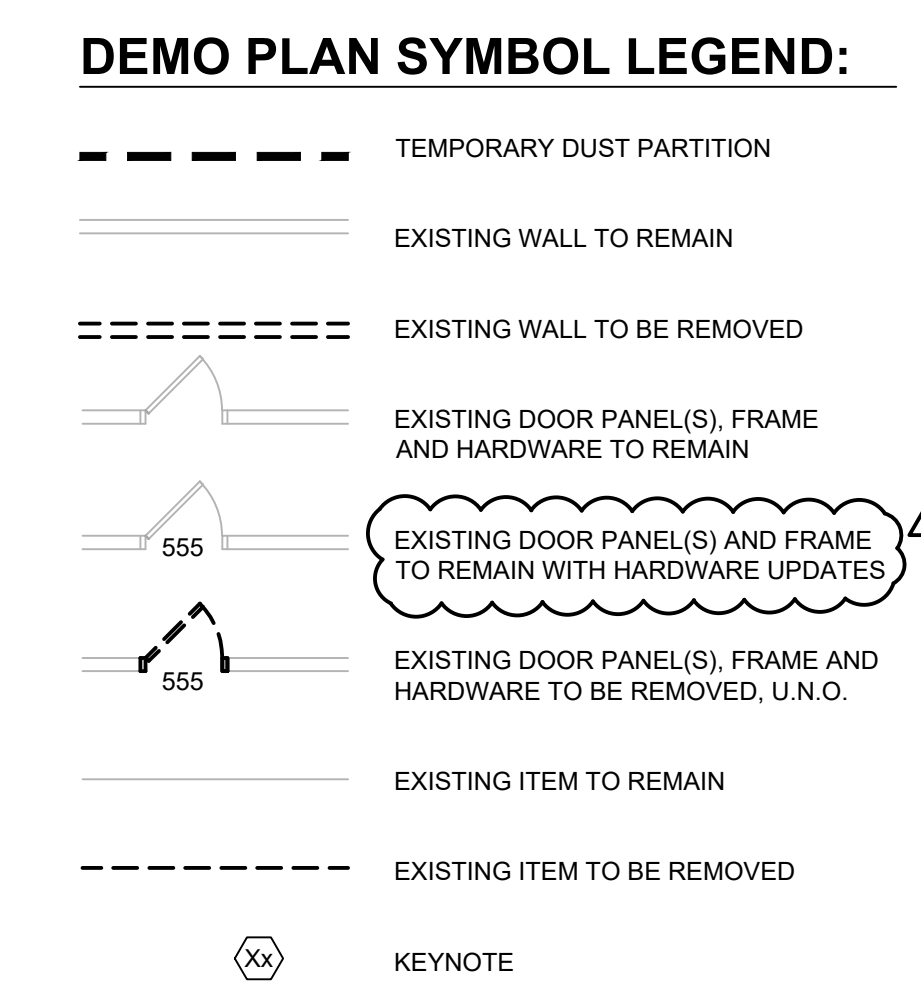






- GENERAL NOTES:**
- VERIFY CONSTRUCTION OF ALL WALLS AND PARTITIONS TO BE REMOVED.
  - REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. COORDINATE SPECIFIC WORK WITH EACH SUB-CONTRACTOR.
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  - IF HAZARDOUS MATERIALS ARE ENCOUNTERED, FOLLOW PROCEDURES DESCRIBED IN SECTION 10.3 HAZARDOUS MATERIALS AND SUBSTANCES, OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT. REFER ALSO TO DIVISION 1 - GENERAL REQUIREMENTS, SECTION 5 HAZARDOUS SUBSTANCES. FOLLOW ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO HAZARDOUS MATERIALS.
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- SHEET KEYNOTES**  
**AD100-SERIES DEMO PLANS**
- REMOVE DOOR PANEL(S), FRAME AND HARDWARE.
  - REMOVE PORTION OF EXISTING HARDWARE. REFER TO DOOR SCHEDULE FOR DESCRIPTION AND HARDWARE SET.
  - REMOVE FIRE EXTINGUISHER CABINET.
  - REMOVE DAMAGED DOOR PANEL. SALVAGE HARDWARE FOR REUSE WITH NEW DOOR PANEL.
  - REMOVE OBSOLETE IN-WALL FIRE ALARM BELL AND CLASSROOM BELL.
  - REMOVE EXISTING GWS PARTITION AND CERAMIC TILE FINISH.
  - REMOVE DOOR PANEL(S), FRAME AND HARDWARE. SALVAGE WOOD TRIM ON ROOM SIDE OF DOOR.
  - REMOVE THROUGH-WALL DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
  - REMOVE THROUGH-SLAB DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
  - REMOVE ABANDONED DUCT.
  - REMOVE ACCESS PANEL.
  - REMOVE AND SALVAGE (FOR REINSTALLATION) EMERGENCY SHOWER.



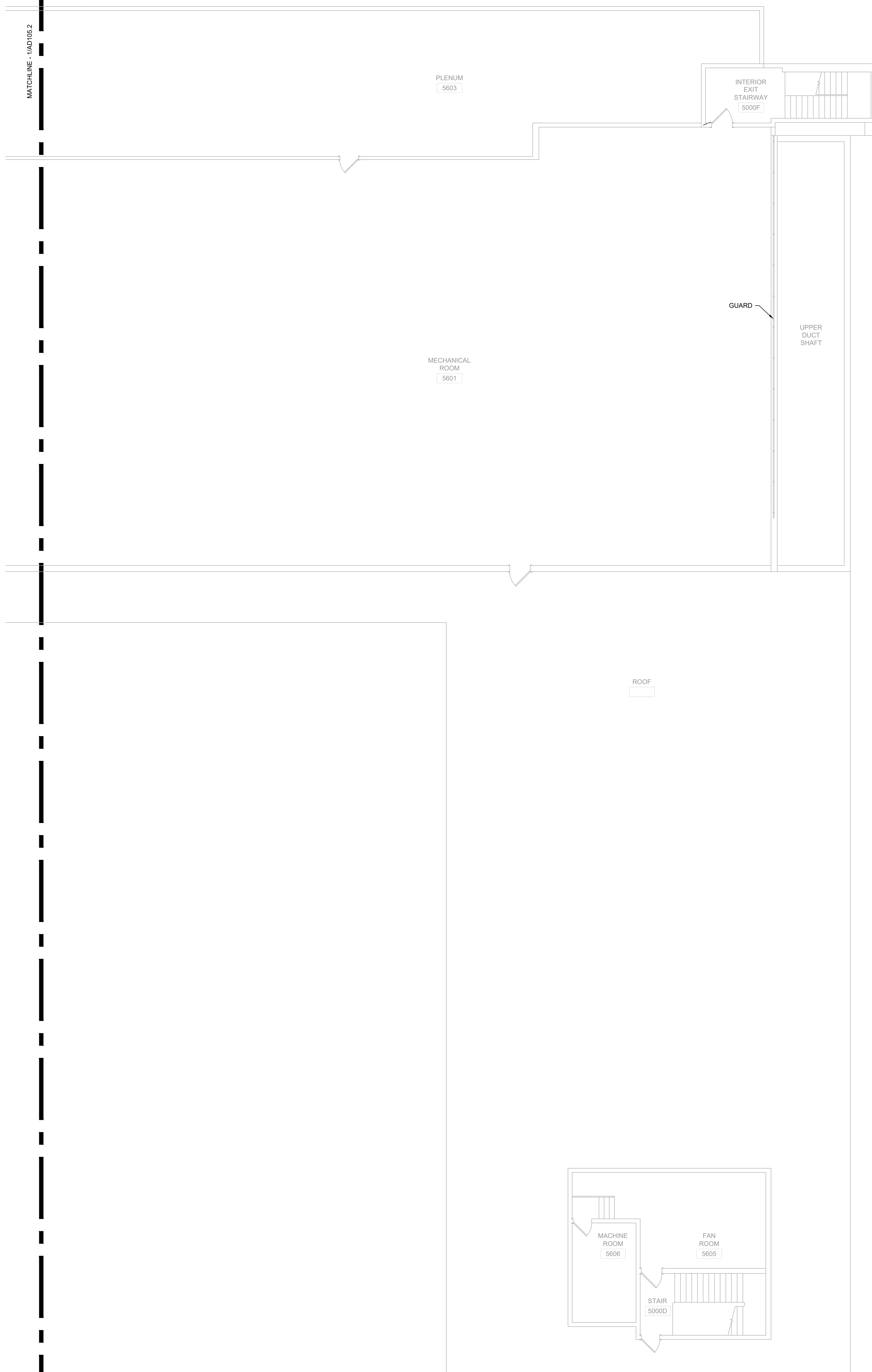
Revisions:

No.	Date	Description
1	04/19/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD104.1</b>



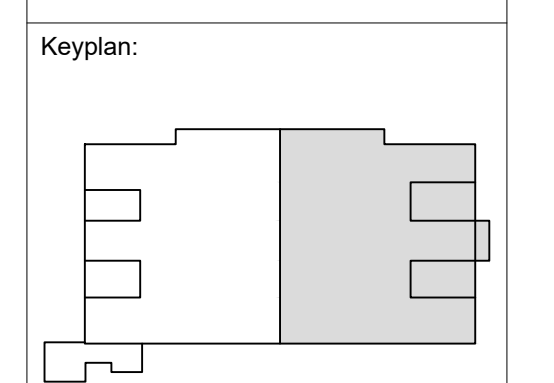




- GENERAL NOTES:**
1. VERIFY CONSTRUCTION OF ALL WALLS AND PARTITIONS TO BE REMOVED.
  2. REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. COORDINATE SPECIFIC WORK WITH EACH SUB-CONTRACTOR.
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  5. NOT USED
  6. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, FOLLOW PROCEDURES DESCRIBED IN SECTION 10.3 HAZARDOUS MATERIALS AND SUBSTANCES, OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT. REFER ALSO TO DIVISION 1 - GENERAL REQUIREMENTS, SECTION 5 HAZARDOUS SUBSTANCES. FOLLOW ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO HAZARDOUS MATERIALS.
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- SHEET KEYNOTES**  
**AD100-SERIES DEMO PLANS**
1. REMOVE DOOR PANEL(S), FRAME AND HARDWARE.
  2. REMOVE PORTION OF EXISTING HARDWARE. REFER TO DOOR SCHEDULE FOR DESCRIPTION AND HARDWARE SET.
  3. REMOVE FIRE EXTINGUISHER CABINET.
  4. REMOVE DAMAGED DOOR PANEL. SALVAGE HARDWARE FOR REUSE WITH NEW DOOR PANEL.
  5. REMOVE OBSOLETE IN-WALL FIRE ALARM BELL AND CLASSROOM BELL.
  6. REMOVE EXISTING GWB PARTITION AND CERAMIC TILE FINISH.
  7. REMOVE DOOR PANEL(S), FRAME AND HARDWARE. SALVAGE WOOD TRIM ON ROOM SIDE OF DOOR.
  8. REMOVE THROUGH-WALL DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
  9. REMOVE THROUGH-SLAB DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
  10. REMOVE ABANDONED DUCT.
  11. REMOVE ACCESS PANEL.
  12. REMOVE AND SALVAGE (FOR REINSTALLATION) EMERGENCY SHOWER.

- DEMO PLAN SYMBOL LEGEND:**
- TEMPORARY DUST PARTITION
  - EXISTING WALL TO REMAIN
  - EXISTING WALL TO BE REMOVED
  - EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO REMAIN
  - △ 555 EXISTING DOOR PANEL(S) AND FRAME TO REMAIN WITH HARDWARE UPDATES
  - △ 555 EXISTING DOOR PANEL(S), FRAME AND HARDWARE TO BE REMOVED, U.N.O.
  - EXISTING ITEM TO REMAIN
  - EXISTING ITEM TO BE REMOVED
  - ⊗ KEYNOTE

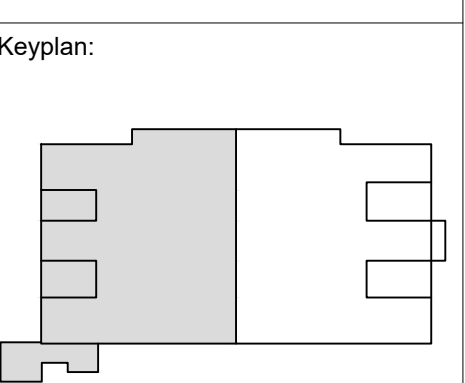


Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
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Date Issued	01/30/2024
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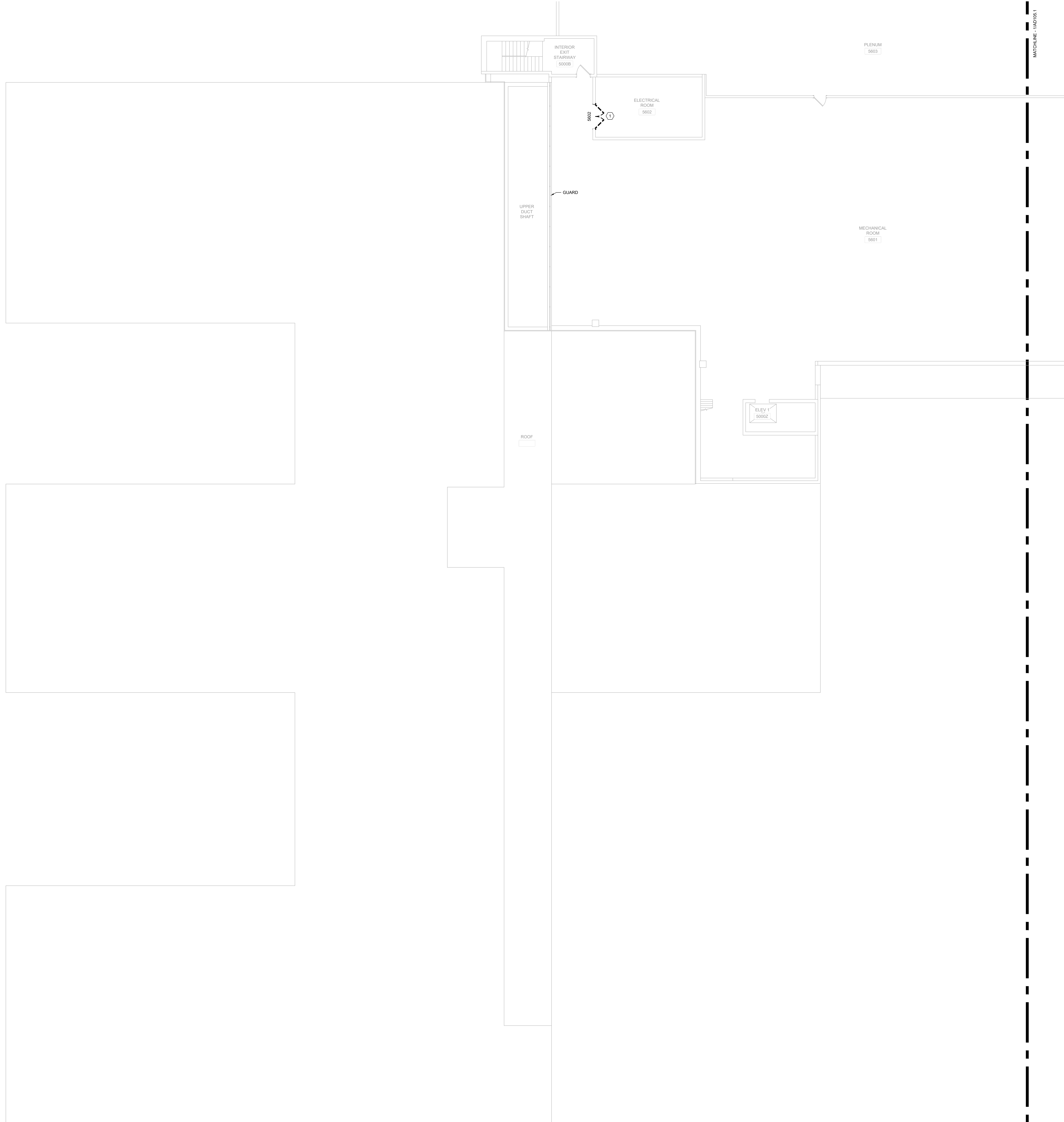
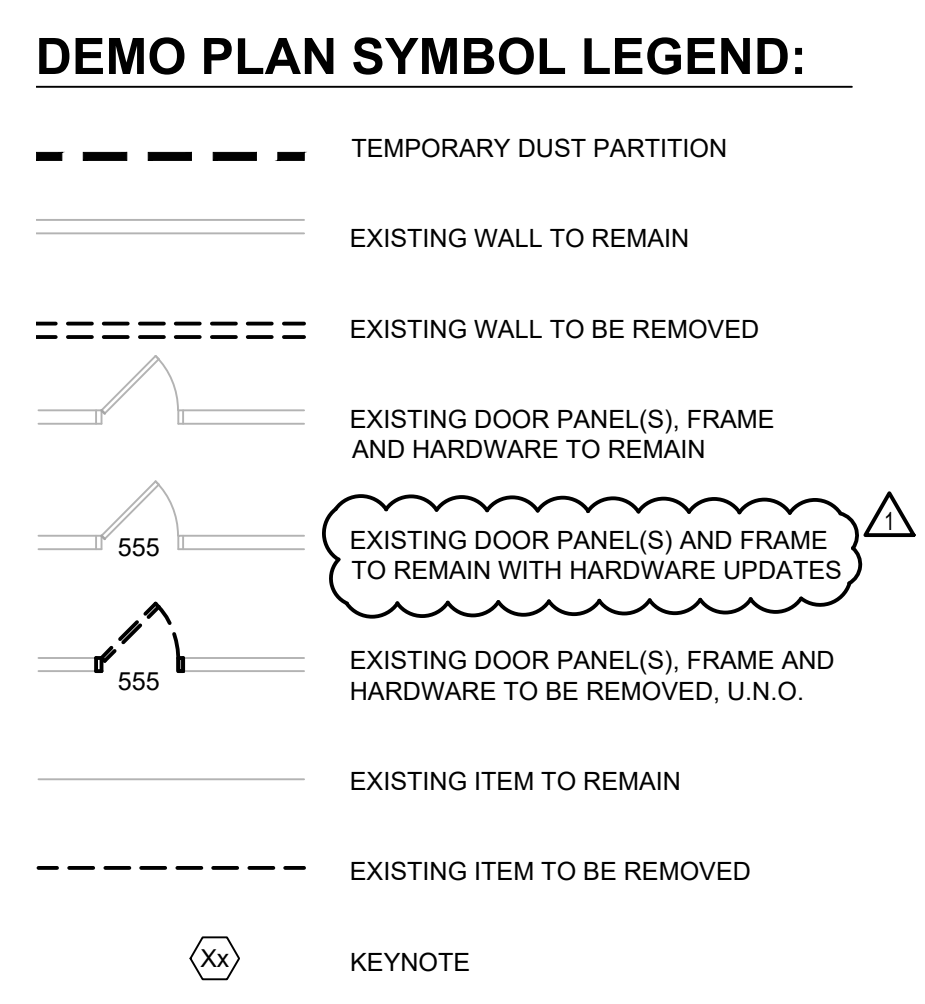
Revisions:

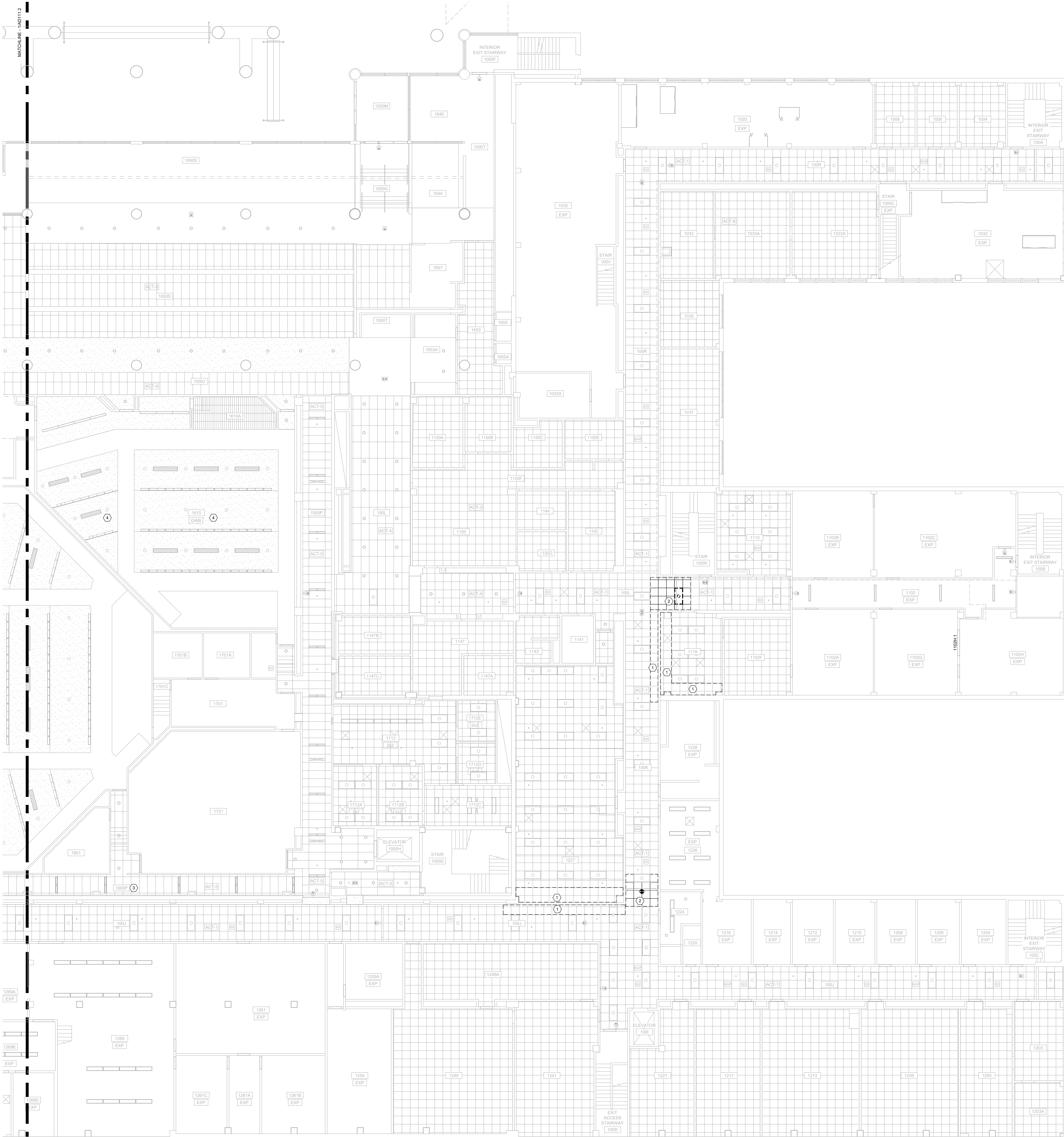
No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD105.2</b>

- GENERAL NOTES:**
1. VERIFY CONSTRUCTION OF ALL WALLS AND PARTITIONS TO BE REMOVED.
  2. REFER TO MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES. COORDINATE SPECIFIC WORK WITH EACH SUB-CONTRACTOR.
  3. TEMPORARY LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE DURATION OF THE PROJECT.
  4. CONTRACTORS ARE RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. ANY DISRUPTION IN SERVICE REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING ELECTRICAL WORK, PIPING, CONDUIT, CIRCUITS OR ANY ASSOCIATED EQUIPMENT, MUST BE COORDINATED IN ADVANCE WITH THE OWNER/USER.
  5. NOT USED
  6. IF HAZARDOUS MATERIALS ARE ENCOUNTERED, FOLLOW PROCEDURES DESCRIBED IN SECTION 10.3 HAZARDOUS MATERIALS AND SUBSTANCES, OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT. REFER ALSO TO DIVISION 1 - GENERAL REQUIREMENTS, SECTION 5 HAZARDOUS SUBSTANCES. FOLLOW ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO HAZARDOUS MATERIALS.
  7. IF NO WORK IS INDICATED, SHEET IS ISSUED FOR REFERENCE ONLY.
  8. SHEET KEYNOTES THAT ARE NOT USED THIS SHEET ARE GREY-TONED, NOT BLACK.

- SHEET KEYNOTES**  
**AD100-SERIES DEMO PLANS**
1. REMOVE DOOR PANEL(S), FRAME AND HARDWARE.
  2. REMOVE PORTION OF EXISTING HARDWARE. REFER TO DOOR SCHEDULE FOR DESCRIPTION AND HARDWARE SET.
  3. REMOVE FIRE EXTINGUISHER CABINET.
  4. REMOVE DAMAGED DOOR PANEL. SALVAGE HARDWARE FOR REUSE WITH NEW DOOR PANEL.
  5. REMOVE OBSOLETE IN-WALL FIRE ALARM BELL AND CLASSROOM BELL.
  6. REMOVE EXISTING GWS PARTITION AND CERAMIC TILE FINISH.
  7. REMOVE DOOR PANEL(S), FRAME AND HARDWARE. SALVAGE WOOD TRIM ON ROOM SIDE OF DOOR.
  8. REMOVE THROUGH-WALL DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
  9. REMOVE THROUGH-SLAB DUCT INSULATION FROM AREA OF WORK. TAPE INSULATION ENDS.
  10. REMOVE ABANDONED DUCT.
  11. REMOVE ACCESS PANEL.
  12. REMOVE AND SALVAGE (FOR REINSTALLATION) EMERGENCY SHOWER.





**GENERAL NOTES:**

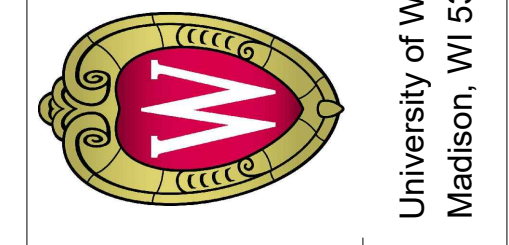
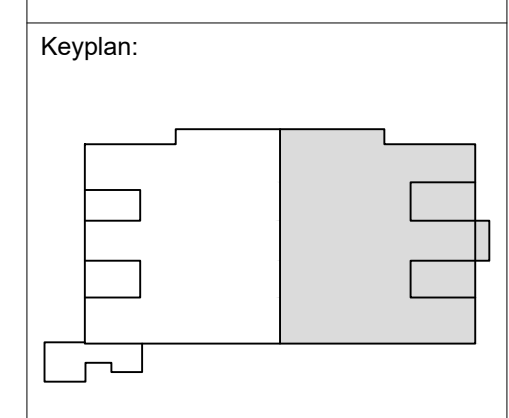
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**SHEET KEYNOTES**  
**AD110-SERIES DEMO RCPs**

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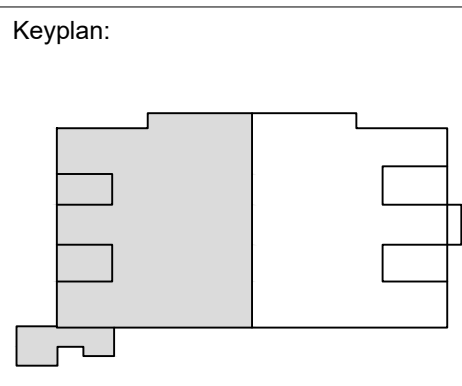
**DEMO RCP SYMBOL LEGEND:**

EXISTING	DEMO	
[Symbol]	[Symbol]	GWB CEILING
[Symbol]	[Symbol]	ACT CEILING
[Symbol]	[Symbol]	INTERNALLY ILLUMINATED EXIT SIGN CEILING-MOUNT
[Symbol]	[Symbol]	INTERNALLY ILLUMINATED EXIT SIGN WALL-MOUNT
[Symbol]	[Symbol]	LIGHT FIXTURE, RECESSED
[Symbol]	[Symbol]	LIGHT FIXTURE, SURFACE-MOUNT
[Symbol]	[Symbol]	LIGHT FIXTURE, SUSPENDED
[Symbol]	[Symbol]	HVAC SUPPLY AIR DIFFUSER
[Symbol]	[Symbol]	HVAC RETURN AIR GRILLE
[Symbol]	[Symbol]	HVAC EXHAUST GRILLE



Revisions:

No.	Date:	Description:
1	04/16/24	Addendum 2



No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD111.2</b>

**GENERAL NOTES:**

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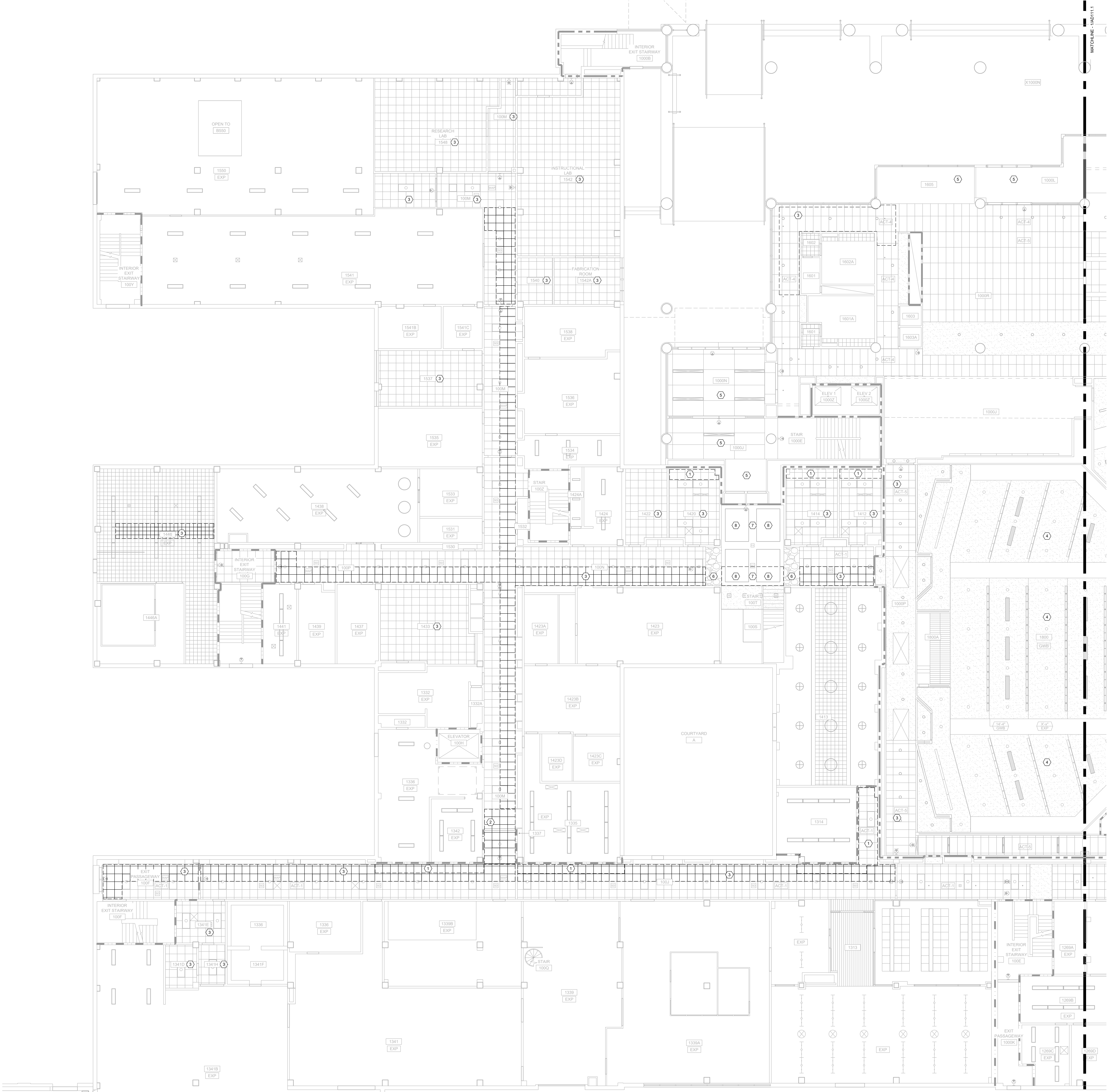
**SHEET KEYNOTES**  
**AD110-SERIES DEMO RCPs**

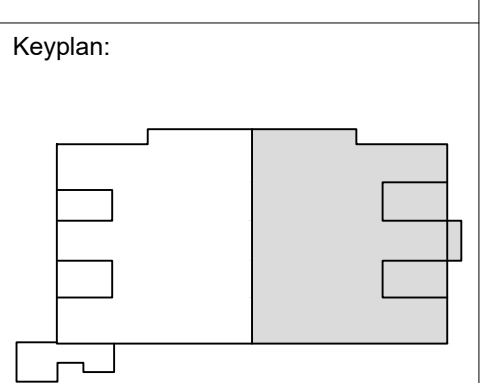
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**DEMO RCP SYMBOL LEGEND:**

EXISTING	DEMO	DESCRIPTION
		GWB CEILING
		ACT CEILING
		INTERNALLY ILLUMINATED EXIT SIGN CEILING-MOUNT
		INTERNALLY ILLUMINATED EXIT SIGN WALL-MOUNT
		LIGHT FIXTURE, RECESSED
		LIGHT FIXTURE, SURFACE-MOUNT
		LIGHT FIXTURE, SUSPENDED
		HVAC SUPPLY AIR DIFFUSER
		HVAC RETURN AIR GRILLE
		HVAC EXHAUST GRILLE

**FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST**  
 1/8" = 1'-0"  
 0 4 8 16





**GENERAL NOTES:**

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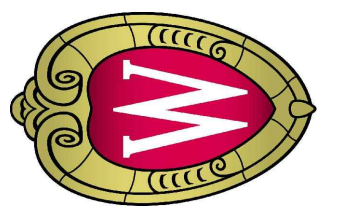
**SHEET KEYNOTES**  
**AD110-SERIES DEMO RCPs**

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**DEMO RCP SYMBOL LEGEND:**

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		HVAC RETURN AIR GRILLE
		HVAC EXHAUST GRILLE

The Board of Regents of the University of Wisconsin on behalf of the University of Wisconsin - Madison



University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

Revisions:

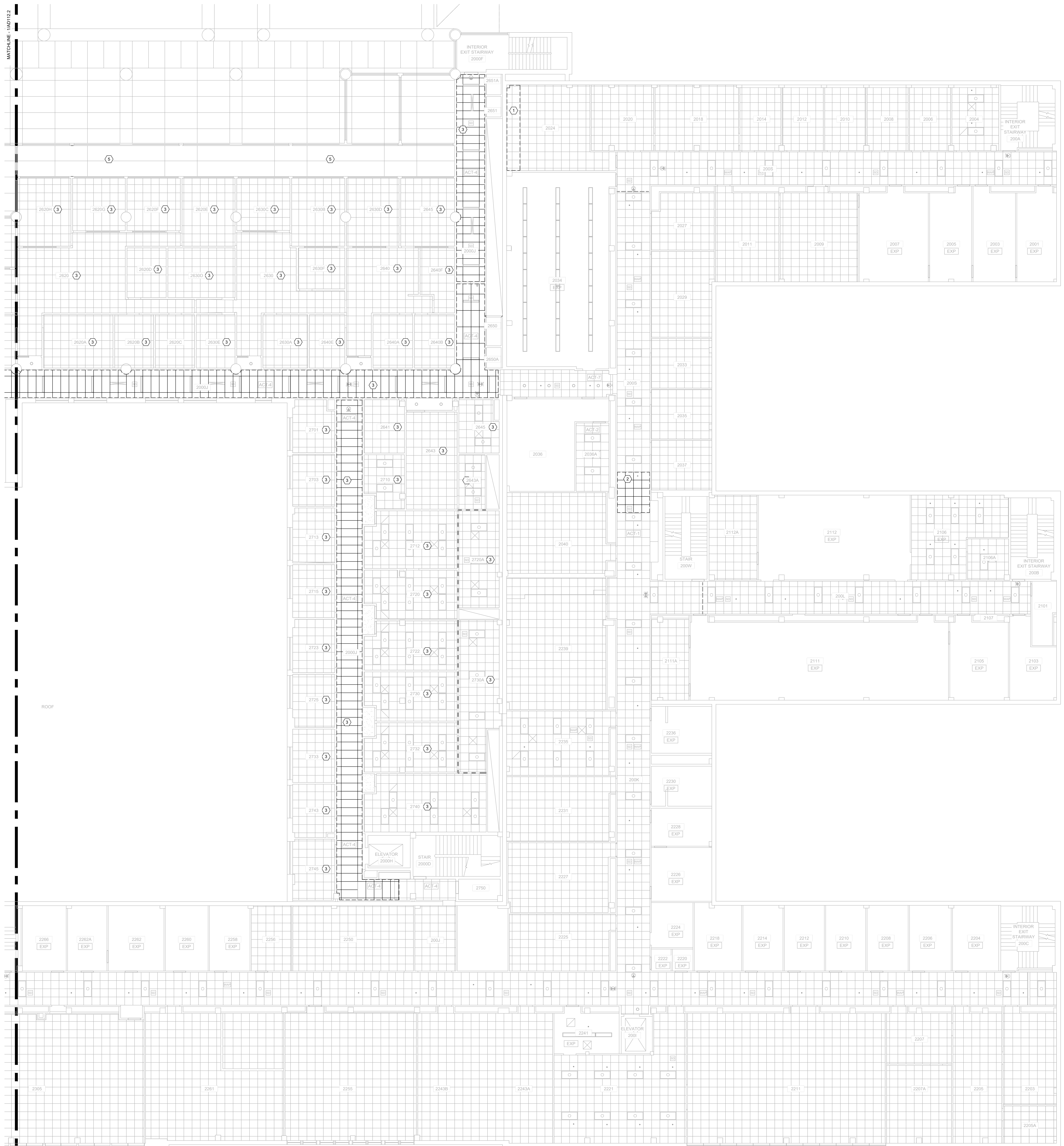
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1	04/16/24	Addendum 2

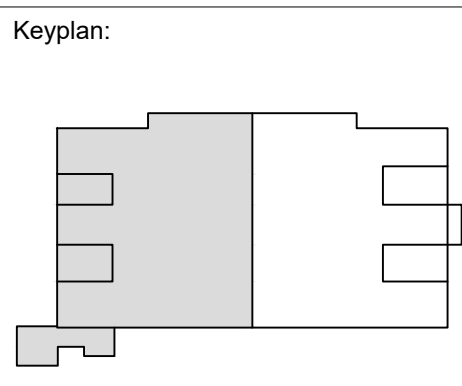
UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD112.1</b>

PLAN NORTH

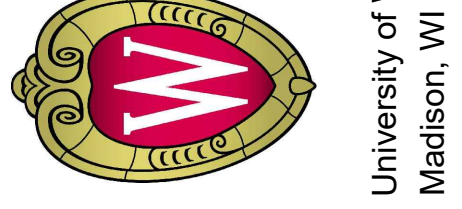
**SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN - EAST**

1/8" = 1'-0"





The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison



University of Wisconsin - Madison  
 Madison, WI 53706

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**  
 Sheet Title:  
 SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST

Revisions:  
 No. Date Description  
 1 04/16/24 Addendum 2

UWSA Number: A-23-003  
 MSN Number: 0408-2331  
 Set Type: BID DOCUMENTS  
 Date Issued: 01/30/2024  
 Sheet Number: **AD112.2**

**GENERAL NOTES:**

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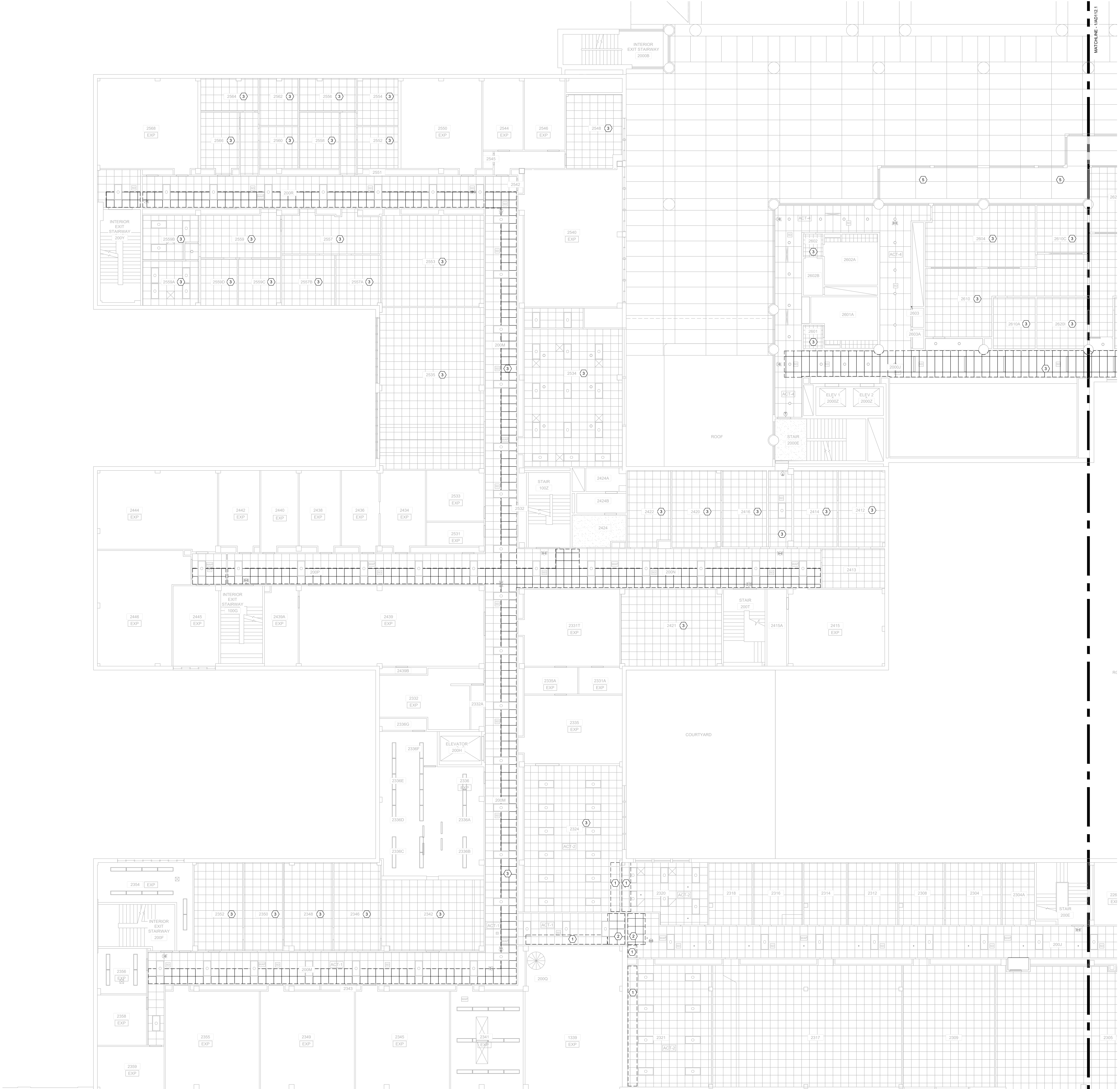
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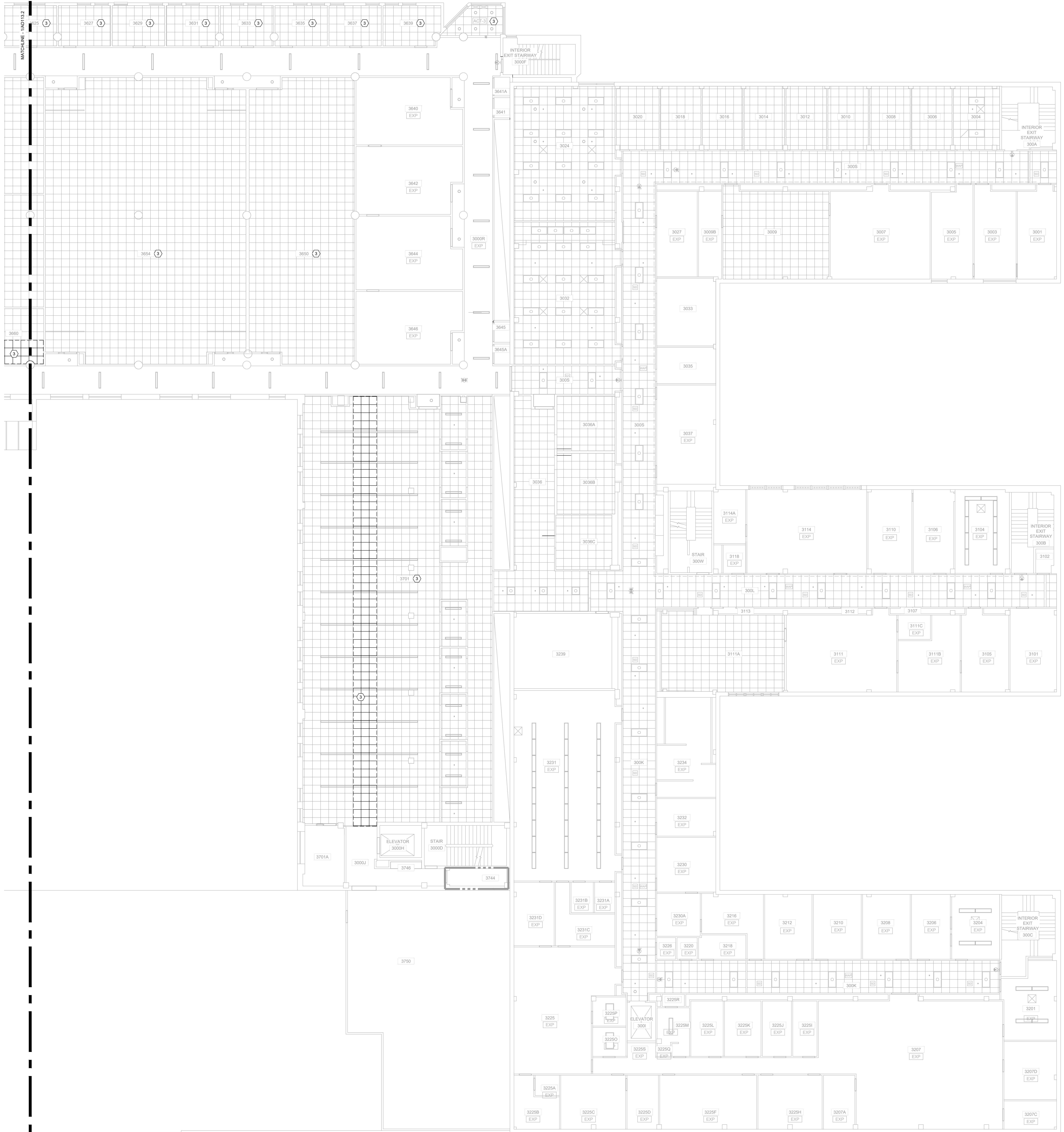
**DEMO RCP SYMBOL LEGEND:**

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		INTERNALLY ILLUMINATED EXIT SIGN CEILING-MOUNT
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PLAN NORTH  
 1  
**SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST**  
 1/8" = 1'-0"  
 0 4 8 16'







**GENERAL NOTES:**

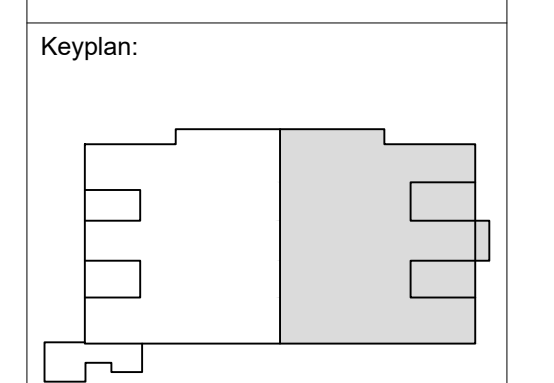
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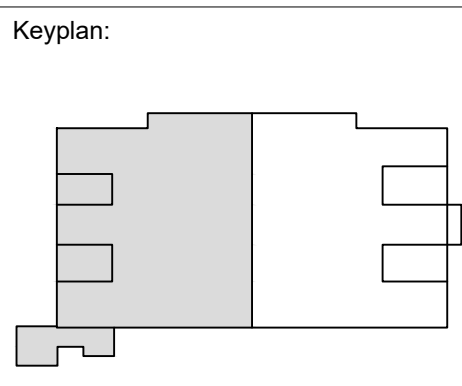
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		LIGHT FIXTURE, RECESSED LIGHT FIXTURE, SURFACE-MOUNT
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		HVAC RETURN AIR GRILLE HVAC EXHAUST GRILLE



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1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
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No.	Date	Description
1	04/16/24	Addendum 1

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD113.2</b>

**GENERAL NOTES:**

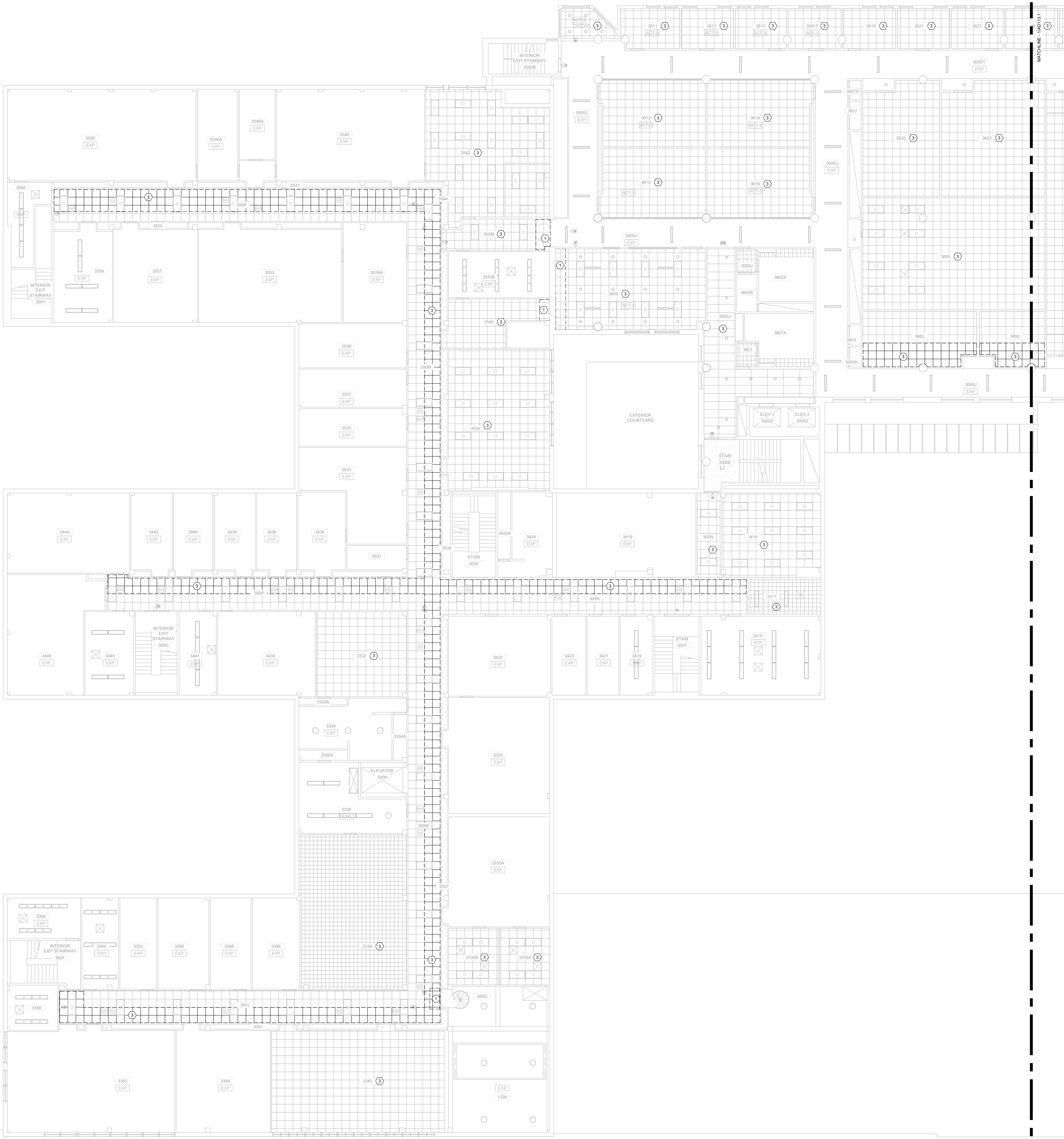
- REFER TO AD-100 SERIES DEMOLITION FLOOR PLANS AND MEP DRAWINGS FOR ADDITIONAL DEMOLITION ITEMS AND NOTES.
- TEMPORARY LIGHTING IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR FOR THE DURATION OF THE PROJECT.
- CONTRACTORS ARE RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. ANY DISRUPTION IN SERVICE REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING DUCTWORK, PIPING, CONDUIT, CIRCUITS OR ANY ASSOCIATED EQUIPMENT, MUST BE COORDINATED IN ADVANCE WITH THE OWNER/USER.
- NOT USED
- IF HAZARDOUS MATERIALS ARE ENCOUNTERED, FOLLOW PROCEDURES DESCRIBED IN SECTION 10.3 HAZARDOUS MATERIALS AND SUBSTANCES, OF AIA DOCUMENT A201 GENERAL CONDITIONS OF THE CONTRACT. REFER ALSO TO DIVISION 1 - GENERAL REQUIREMENTS, SECTION 5 HAZARDOUS SUBSTANCES. FOLLOW ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS PERTAINING TO HAZARDOUS MATERIALS.
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**SHEET KEYNOTES**  
**AD110-SERIES DEMO RCPs**

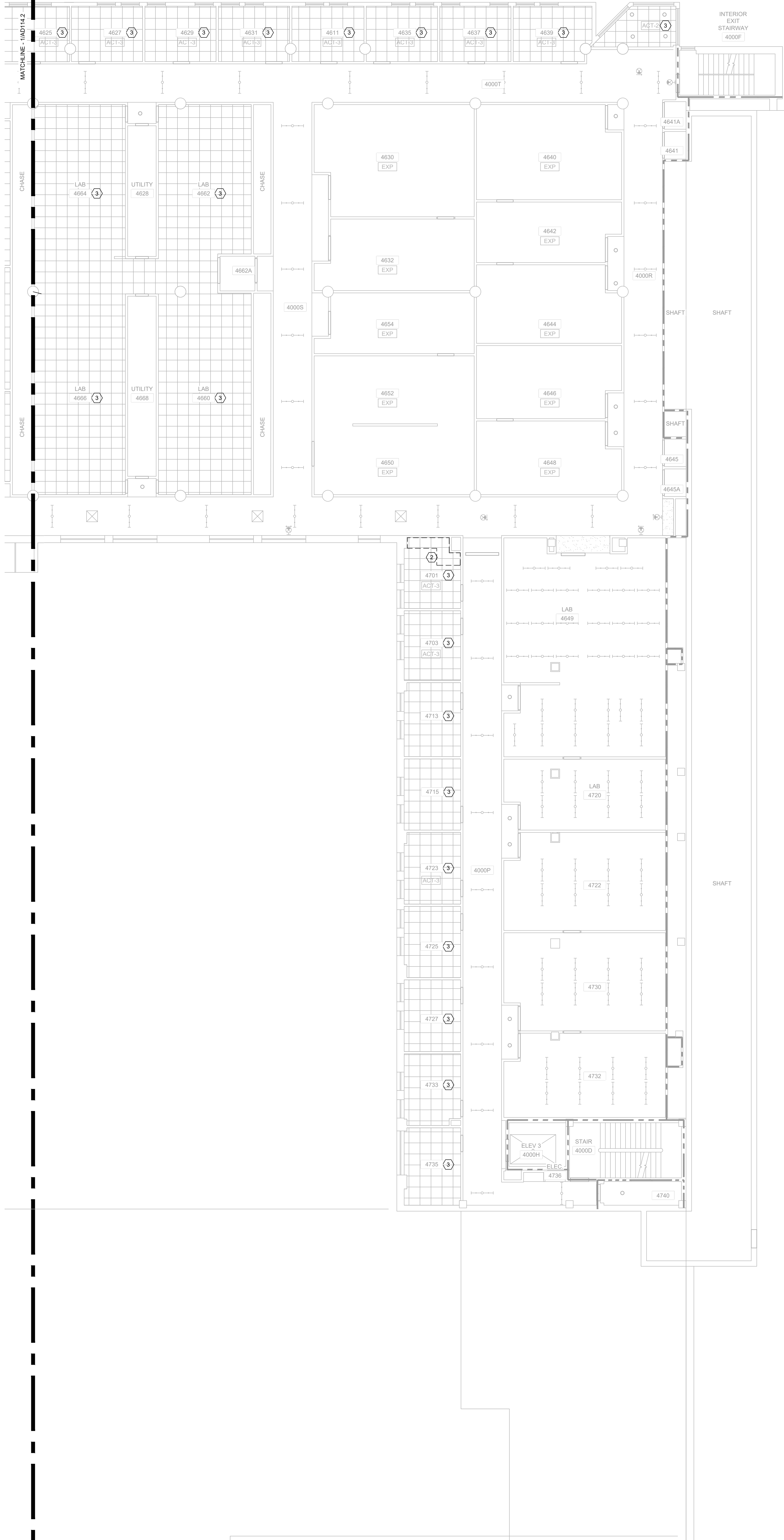
- EXISTING ACOUSTICAL PANEL CEILING (ACT) AND MERIT/FP FIXTURES IN SUSPENDED GRID. REMOVE FOR REINSTALLATION AT LEAST 2'-0" TO ALLOW INSTALLATION OF FIRESTOP SYSTEMS IN EXISTING CONSTRUCTION FOR ASSIGNMENT AS FIRE BARRIERS.
- EXISTING ACOUSTICAL PANEL CEILING (ACT) AND MERIT/FP FIXTURES IN SUSPENDED GRID. REMOVE AND SALVAGE PANELS (FOR REINSTALLATION) AND DECONSTRUCT GRID (FOR IN-KIND REPLACEMENT) AS NEEDED TO ALLOW INSTALLATION OF NEW FIRE BARRIERS.
- EXISTING ACOUSTICAL PANEL CEILING (ACT) AND MERIT FIXTURES IN SUSPENDED GRID. REMOVE AND SALVAGE PANELS (FOR REINSTALLATION) AND DECONSTRUCT GRID (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM. EXPECT REMOVAL (FOR REINSTALLATION) OF AT LEAST HALF OF ROOM'S CEILING PANELS AND REMOVAL OF GRID AS NEEDED.
- EXISTING GWB (2 LAYERS) CEILING, SUSPENDED FRAMING, AND MERIT FIXTURES. REMOVE GWB (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL SPRINKLER SYSTEM. EXPECT REMOVAL OF AT LEAST HALF OF GWB.
- EXISTING METAL PANEL CEILING AND MERIT FIXTURES. REMOVE (FOR REINSTALLATION) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.
- EXISTING STONE CEILING FINISH SHALL NOT BE DISTURBED.
- EXISTING PLASTER CEILING FINISH AND MERIT FIXTURES. REMOVE (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.
- EXISTING SUSPENDED GRATE CEILING/LIGHT BAFFLE. REMOVE (FOR REINSTALLATION) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.

**DEMO RCP SYMBOL LEGEND:**

EXISTING	DEMO	DESCRIPTION
		GWB CEILING
		ACT CEILING
		INTERNALLY ILLUMINATED EXIT SIGN CEILING-MOUNT
		INTERNALLY ILLUMINATED EXIT SIGN WALL-MOUNT
		LIGHT FIXTURE, RECESSED
		LIGHT FIXTURE, SURFACE-MOUNT
		LIGHT FIXTURE, SUSPENDED
		HVAC SUPPLY AIR DIFFUSER
		HVAC RETURN AIR GRILLE
		HVAC EXHAUST GRILLE



PLAN NORTH  
**THIRD FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST**  
 1/8" = 1'-0"



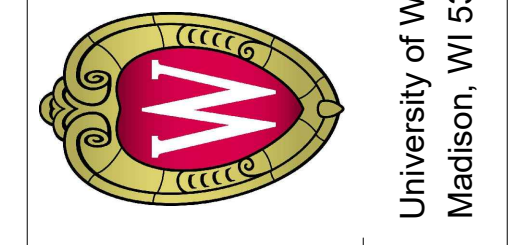
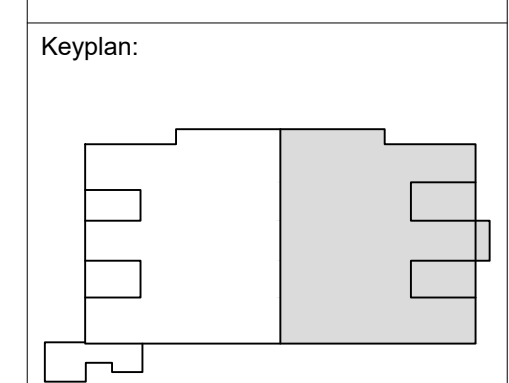
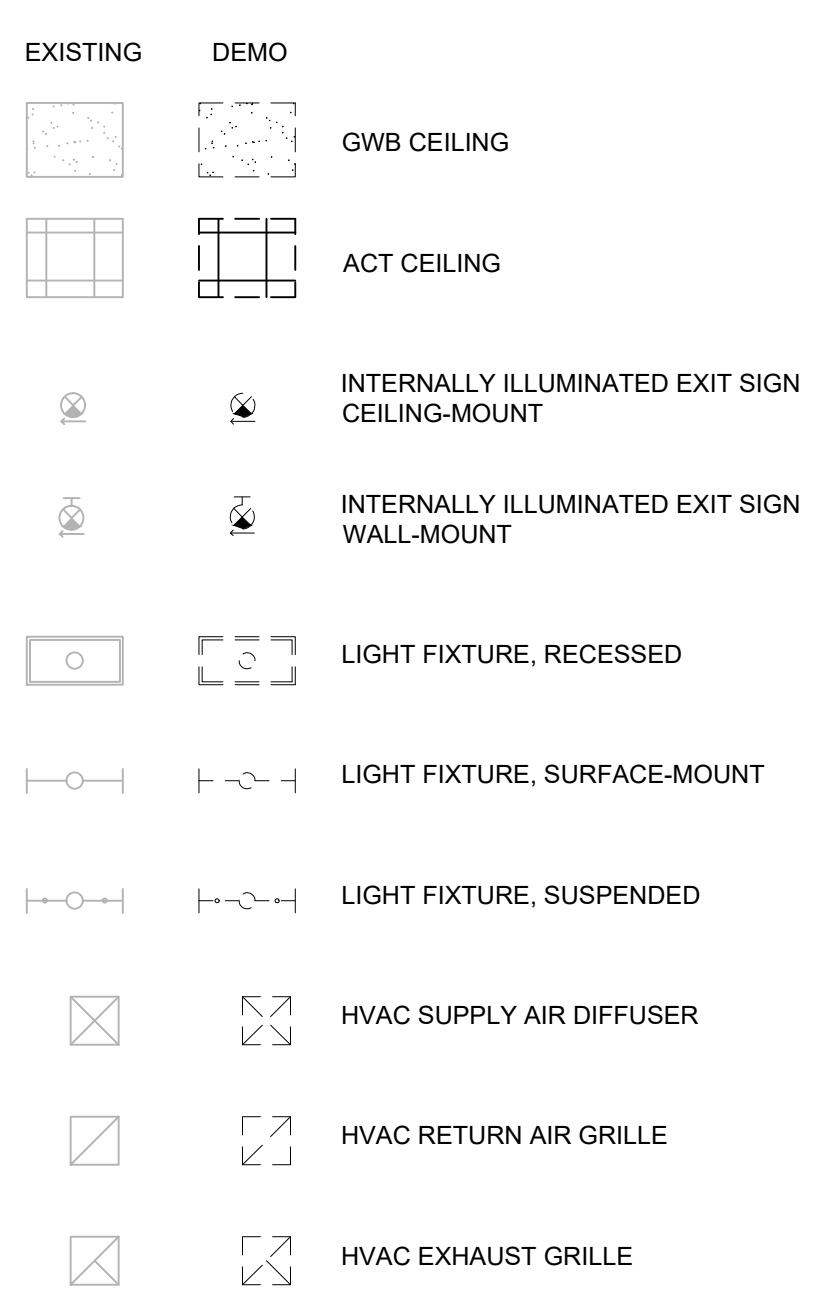
**GENERAL NOTES:**

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- CONTRACTORS ARE RESPONSIBLE FOR MAINTAINING CONTINUOUS UTILITY SERVICE TO ALL SPACES IN THE BUILDING NOT AFFECTED BY THIS WORK. ANY DISRUPTION IN SERVICE REQUIRED TO PERFORM WORK OR TO MODIFY EXISTING DUCTWORK, PIPING, CONDUIT, CIRCUITS OR ANY ASSOCIATED EQUIPMENT, MUST BE COORDINATED IN ADVANCE WITH THE OWNER/USER.
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**SHEET KEYNOTES**  
**AD110-SERIES DEMO RCPs**

- EXISTING ACOUSTICAL PANEL CEILING (ACT) AND MEPT/FP FIXTURES IN SUSPENDED GRID. REMOVE (FOR REINSTALLATION) AT LEAST 2'-0" TO ALLOW INSTALLATION OF FIRESTOP SYSTEMS IN EXISTING CONSTRUCTION FOR ASSIGNMENT AS FIRE BARRIERS.
- EXISTING ACOUSTICAL PANEL CEILING (ACT) AND MEPT/FP FIXTURES IN SUSPENDED GRID. REMOVE AND SALVAGE PANELS (FOR REINSTALLATION) AND DECONSTRUCT GRID (FOR IN-KIND REPLACEMENT) AS NEEDED TO ALLOW INSTALLATION OF NEW FIRE BARRIER.
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- EXISTING GWB (2 LAYERS) CEILING, SUSPENDED FRAMING, AND MEPT FIXTURES. REMOVE (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL SPRINKLER SYSTEM. EXPECT REMOVAL OF AT LEAST HALF OF GWB.
- EXISTING METAL PANEL CEILING AND MEPT FIXTURES. REMOVE (FOR REINSTALLATION) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.
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- EXISTING PLASTER CEILING FINISH AND MEPT FIXTURES. REMOVE (FOR IN-KIND REPLACEMENT) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.
- EXISTING SUSPENDED GRATE CEILING/LIGHT BAFFLE. REMOVE (FOR REINSTALLATION) AS NEEDED TO INSTALL NEW SPRINKLER SYSTEM.

**DEMO RCP SYMBOL LEGEND:**

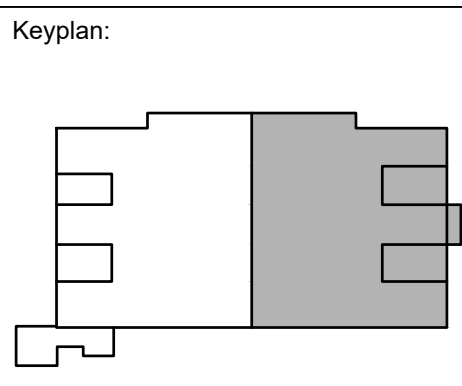


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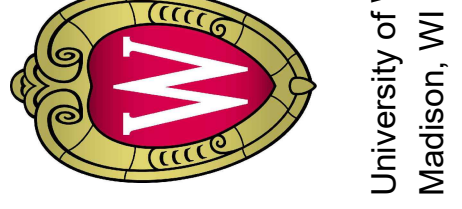
No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	BID DOCUMENTS
Date Issued	01/30/2024
Sheet Number	<b>AD114.1</b>





The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison



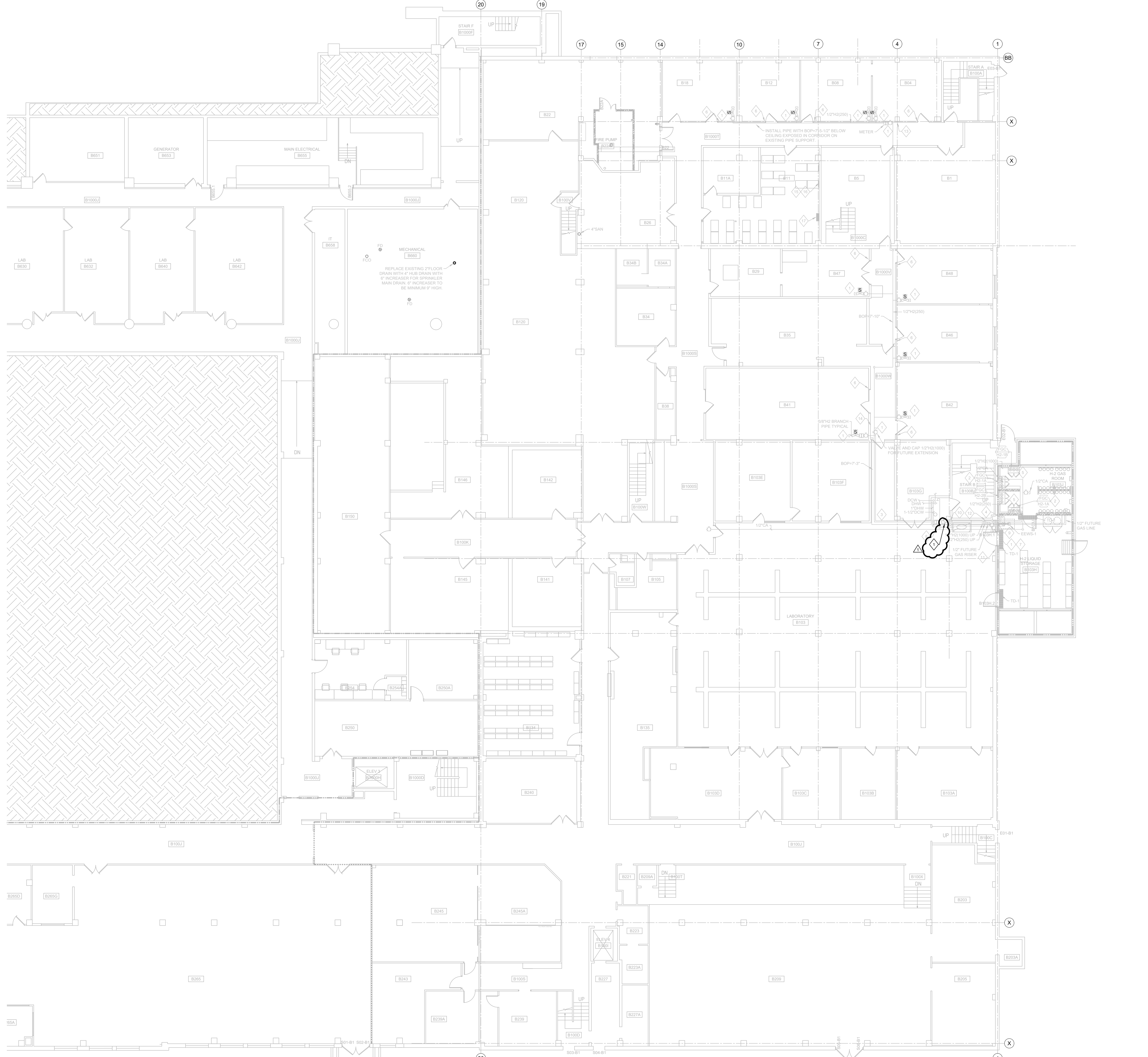
University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**  
 PLUMBING BASEMENT FLOOR PLAN - EAST

Revisions:

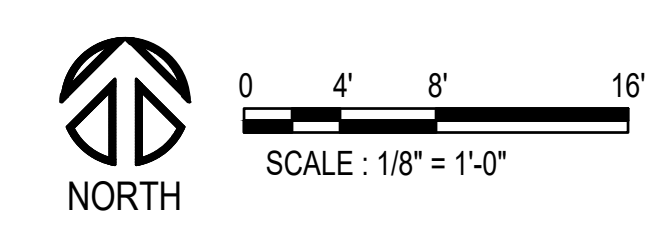
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1	04/16/24	Addendum 2

UWSA Number	A-23-003
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Sheet Number	<b>P10B.1</b>



- 1** PROVIDE FLAMMABLE GAS DETECTION AT STRUCTURE LEVEL ABOVE HYDROGEN ISOLATION VALVES.
- HYDROGEN LINE FROM GAS CABINET
- PROVIDE PIPE SUPPORT SIZED FOR HYDROGEN LINES AND 2 FUTURE 1/2" GAS LINES. REFER TO 4P000.
- 1-1/2" DOW AND 1" DAW TO EMERGENCY SHOWER MIXING VALVE. 1-1/2" TEMPERED WATER SUPPLY FROM MIXING VALVE TO EEW-1. REFER TO 3P800.
- PROVIDE HYDROGEN GAS DETECTION AT CEILING LEVEL IN ROOM B103J.
- PROVIDE MANUAL EMERGENCY STOP PUSH BUTTON AND HYDROGEN ALARM LIGHT STACK INSIDE LAB ENTRANCE.
- PROVIDE VALVE AND CAP FOR FUTURE RENOVATION OF LAB B103.
- NEW WATER LINES FOR EMERGENCY SHOWERS EXHAUST TO BE RUN AT BOP-9-2" AFF ALONG WALL. OFFSET WATER LINES SOUTH AROUND DUCT CONNECTION TO EXISTING FUME HOOD.
- GAS LINES TO PENETRATE VAULT WALL AT BOP-8-4" AFF.
- DROP GAS LINES TO BOP-7-3" AFF.
- INSTALL HDS-B103J, EAPB-B103J AND ASSOCIATED HORNSTROBE IN THIS LOCATION. PIPE SENSING TUBING INTO ROOM B103J. ROOMS B103J AND B103H ARE CLASS 1, DIVISION 2 RATED SPACES. GAS DETECTION PROVIDER SHALL NOT INSTALL CONTROL OR POWER WIRING WITHIN THESE SPACES. ROUTE GAS SENSORS EXHAUST TUBING BACK TO ROOM B103J TO KEEP EXHAUST WITHIN RATED ROOM.
- INSTALL HDS-B103, EAPB-B103 AND ASSOCIATED HORNSTROBE IN THIS LOCATION. SENSOR REMOTE TUBING TO SENSE HYDROGEN IN HIGH BAY AREA ABOVE.
- INSTALL HDS-B1000T, EAPB-B1000T AND ASSOCIATED HORNSTROBE IN THIS LOCATION.
- INSTALL HDS-B1000W, EAPB-B1000W AND ASSOCIATED HORNSTROBE IN B1000W.
- ROOM B11 IS AN EXISTING SERVER ROOM. INSTALL BASEMENT GAS DETECTION WALL MOUNTED BACK ENCLOSURE AND DESKTOP TOWER COMPUTER. GAS DETECTION CONTRACTOR SHALL COORDINATE NEW RACK LOCATION WITH OWNER TO ALIGN WITH EXISTING EQUIPMENT WITHIN ROOM.
- INSTALL BASEMENT GAS DETECTION WALL MOUNTED CONTROL PANEL IN THIS LOCATION. COORDINATE LOCATION WITH OWNER AND EXISTING EQUIPMENT IN ROOM.
- WALL MOUNTED ODC CABINET PROVIDE BY CONTRACTOR RESPONSIBLE FOR 23 39 23 WITHIN ROOM B11 FOR MONITORING OF GAS DETECTION ALARMS. REFER TO P701, 23 39 15 AND 23 39 83 FOR FURTHER DETAILS.

**1** PLUMBING BASEMENT FLOOR PLAN - EAST  
 SCALE: 1/8" = 1'-0"



HYDROGEN DETECTION SENSOR SCHEDULE - LEVEL 2

SENSOR TAG	ROOM	AIR SAMPLING LOCATION	EMERGENCY SHUTOFF VALVE (ESV) ACTUATION	NOTES:
HDS-2001	2001 - LAB	STRUCTURE	ESV-H2(250)-212	
HDS-2003	2003 - LAB	STRUCTURE	ESV-H2(250)-211	
HDS-2005	2005 - LAB	STRUCTURE	ESV-H2(250)-210	
HDS-2007	2007 - LAB	STRUCTURE	ESV-H2(250)-209	
HDS-2034	2034 - LAB	STRUCTURE	ESV-H2(250)-208	
HDS-2036	2036 - LAB	STRUCTURE	ESV-H2(250)-207	
HDS-2105	2105 - LAB	STRUCTURE	ESV-H2(250)-202	
HDS-2106	2106 - LAB	STRUCTURE	ESV-H2(250)-203	
HDS-2111	2111 - LAB	STRUCTURE	ESV-H2(250)-205 ESV-H2(1000)-203	
HDS-2112A	2112A - LAB	STRUCTURE	ESV-H2(250)-205	
HDS-2112	2112 - LAB	STRUCTURE	ESV-H2(250)-204 ESV-H2(1000)-202	
HDS-200L-A	200L - CORRIDOR	CEILING (4)	ESV-H2(1000)-201 ESV-H2(250)-201	
HDS-200L-B	200L - CORRIDOR	STRUCTURE (5)	ESV-H2(1000)-201 ESV-H2(250)-201	

- NOTES:
- (1) SENSOR TAG NUMBER (HDS-XXX) DENOTES THE SPACE WHERE AIR IS BEING SAMPLED. UNLESS NOTED OTHERWISE, THE SENSOR SHALL BE INSTALLED IN THE ROOM WHERE THE AIR IS BEING SAMPLED. REFER TO HYDROGEN GAS DETECTION INSTALLATION DETAILS.
  - (2) SAMPLING LOCATION - DESCRIPTORS:  
STRUCTURE - TUBING SHALL SAMPLE TIGHT TO STRUCTURAL SLAB. REFER TO DETAIL 3P901 FOR DETAILS.  
CEILING - TUBING SHALL SAMPLE JUST BELOW CEILING, DIRECTLY ABOVE H2 ISOLATION VALVES/FLOW METER. REFER TO DETAIL 4P901 FOR DETAILS.
  - (3) GAS DETECTION SYSTEM SHALL CLOSE THE NOTED SHUT-OFF VALVES UPON REACHING A LEVEL 2 ALARM. REFER TO 22 09 00 (SEQUENCE OF OPERATION) FOR DETAILS.
  - (4) HYDROGEN DETECTOR WILL BE PROVIDED TO DETECT LEAKAGE NEAR FLOW METER ASSEMBLIES FE-H2(1000)-201 AND FE-H2(250)-201. FLOW METERS WILL BE INSTALLED BELOW CEILING. IN CORRIDOR 200L. REFER TO PLUMBING FLOOR PLANS FOR LOCATION. INSTALL SENSING TUBING TIGHT TO STRUCTURE ABOVE THE FLOW METERS.
  - (5) HYDROGEN DETECTOR WILL BE PROVIDED TO DETECT LEAKAGE AT TOP OF H2 PIPE RISERS. INSTALL SENSING TUBING TIGHT TO STRUCTURE ABOVE H2 PIPE RISERS.

HYDROGEN DETECTION SENSOR SCHEDULE - LEVEL 0

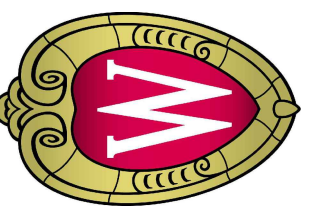
SENSOR TAG	ROOM	AIR SAMPLING LOCATION	EMERGENCY SHUTOFF VALVE (ESV) ACTUATION	NOTES:
HDS-B103	B103 - H-2 GAS ROOM	STRUCTURE	ESV-H2(1000)-B1 ESV-H2(250)-B1	VALVES PROVIDED INTEGRAL TO GAS CABINET FGC-H2-1A AND FGC-H2-2A. GAS DETECTION SYSTEM SHALL CLOSE VALVE THROUGH SIGNAL TO GAS CABINET CONTROL PANEL.
HDS-B103	B103 - LABORATORY	STRUCTURE (4)	ESV-H2(1000)-B2 ESV-H2(250)-B2	VALVES PROVIDED INTEGRAL TO GAS CABINET FGC-H2-1A AND FGC-H2-2A. GAS DETECTION SYSTEM SHALL CLOSE VALVE THROUGH SIGNAL TO GAS CABINET CONTROL PANEL.
HDS-B103	B103 - LABORATORY	STRUCTURE (5)	ESV-H2(1000)-B2 ESV-H2(250)-B2	
HDS-B04	B04 - LAB	STRUCTURE	ESV-H2(250)-B8	
HDS-B06	B06 - LAB	STRUCTURE	ESV-H2(250)-B9	
HDS-B12	B12 - LAB	STRUCTURE	ESV-H2(250)-B10	
HDS-B15	B15 - LAB	STRUCTURE	ESV-H2(250)-B11	
HDS-B41	B41 - LAB	STRUCTURE	ESV-H2(1000)-B3	
HDS-B42	B42 - LAB	STRUCTURE	ESV-H2(250)-B3	
HDS-B46	B46 - LAB	STRUCTURE	ESV-H2(250)-B4	
HDS-B47	B47 - LAB	STRUCTURE	ESV-H2(250)-B6	
HDS-B48	B48 - LAB	STRUCTURE	ESV-H2(250)-B5	
HDS-B100T	B100T - CORRIDOR	CEILING	ESV-H2(250)-B7	
HDS-B100W	B100W - CORRIDOR	CEILING	ESV-H2(1000)-B2 ESV-H2(250)-B2	

- NOTES:
- (1) SENSOR TAG NUMBER (HDS-XXX) DENOTES THE SPACE WHERE AIR IS BEING SAMPLED. UNLESS NOTED OTHERWISE, THE SENSOR SHALL BE INSTALLED IN THE ROOM WHERE THE AIR IS BEING SAMPLED. REFER TO HYDROGEN GAS DETECTION INSTALLATION DETAILS.
  - (2) SAMPLING LOCATION - DESCRIPTORS:  
STRUCTURE - TUBING SHALL SAMPLE TIGHT TO STRUCTURAL SLAB. REFER TO DETAIL 3P901 FOR DETAILS.  
CEILING - TUBING SHALL SAMPLE JUST BELOW CEILING, DIRECTLY ABOVE H2 ISOLATION VALVES/FLOW METER. REFER TO DETAIL 4P901 FOR DETAILS.
  - (3) GAS DETECTION SYSTEM SHALL CLOSE THE NOTED SHUT-OFF VALVES UPON REACHING A LEVEL 2 ALARM. REFER TO 22 09 00 (SEQUENCE OF OPERATION) FOR DETAILS.
  - (4) SENSOR IS DETECTING H2 IN A HIGH BAY AREA THAT EXTENDS TO THE FLOOR ABOVE. EXTEND AIR SAMPLING TUBE TO BOTTOM OF STRUCTURE ABOVE THIS CEILING.
  - (5) SENSOR IS DETECTING H2 IN CEILING SPACE ADJACENT TO HIGH BAY SPACE. NEW DETECTOR TO CONNECT TO EXISTING GDS SYSTEM FOR BASEMENT.

HYDROGEN DETECTION SENSOR SCHEDULE - LEVEL 1

SENSOR TAG	ROOM	AIR SAMPLING LOCATION	EMERGENCY SHUTOFF VALVE (ESV) ACTUATION	NOTES:
HDS-1020-A	1020 - LAB	STRUCTURE	ESV-H2(1000)-106 ESV-H2(250)-106 ESV-H2(1000)-107 ESV-H2(250)-107	
HDS-1020-B	1020 - LAB	STRUCTURE	ESV-H2(1000)-106 ESV-H2(250)-106 ESV-H2(1000)-107 ESV-H2(250)-107	
HDS-1023	1023 - LAB	STRUCTURE	ESV-H2(1000)-108 ESV-H2(250)-108	
HDS-1032	1032 - LAB	CEILING (5)	(4)	
HDS-1102A	1102A - LAB	STRUCTURE	ESV-H2(1000)-105 ESV-H2(250)-105	
HDS-1102B	1102B - LAB	STRUCTURE	ESV-H2(1000)-104 ESV-H2(250)-104	
HDS-1102C	1102C - LAB	STRUCTURE	ESV-H2(1000)-103 ESV-H2(250)-103	
HDS-1102H	1102H - LAB	STRUCTURE	ESV-H2(1000)-102 ESV-H2(250)-102	
HDS-1102	1102 - CORRIDOR	CEILING (6)	ESV-H2(1000)-101 ESV-H2(250)-101	

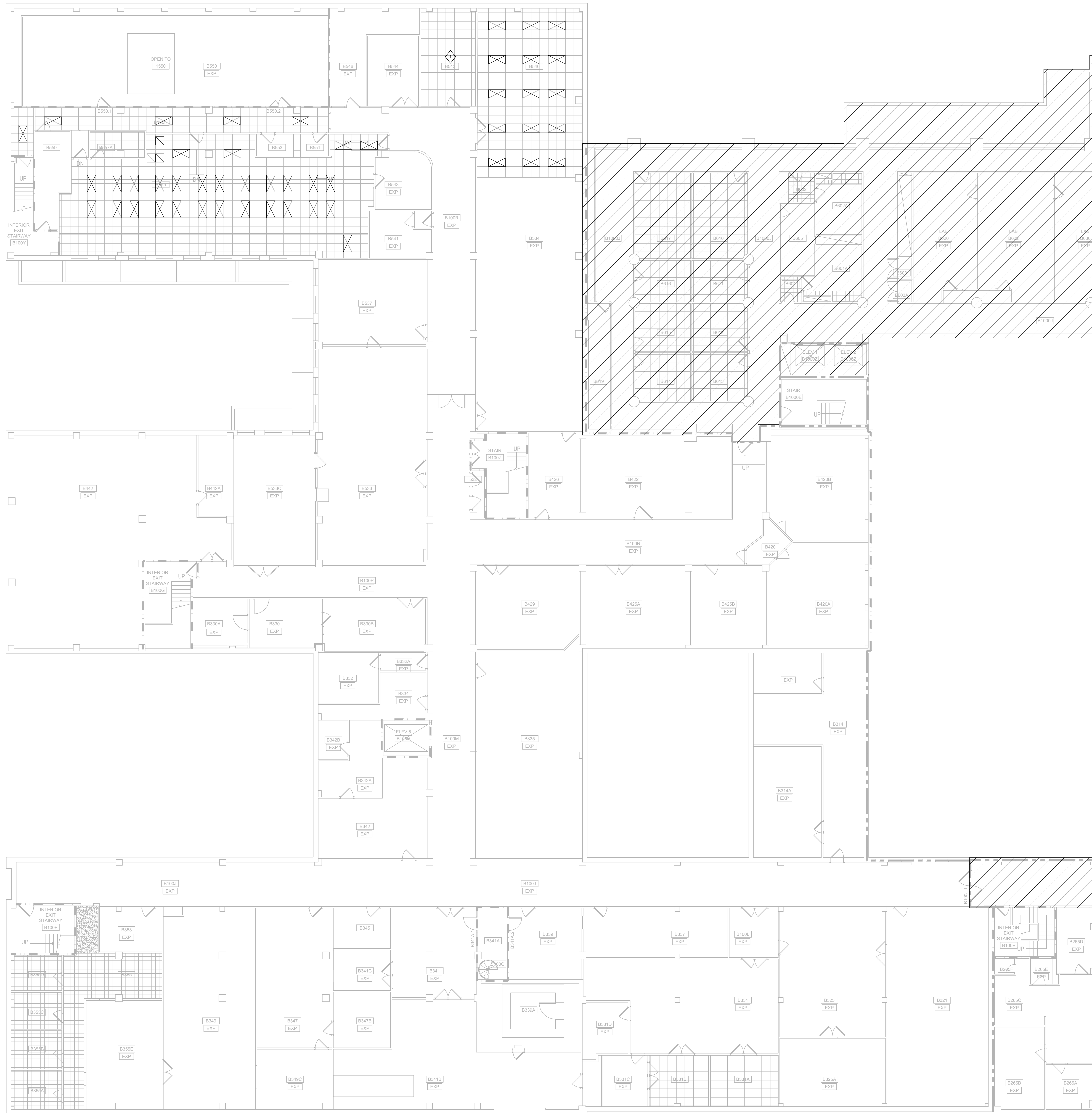
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  - (3) GAS DETECTION SYSTEM SHALL CLOSE THE NOTED SHUT-OFF VALVES UPON REACHING A LEVEL 2 ALARM. REFER TO 22 09 00 (SEQUENCE OF OPERATION) FOR DETAILS.
  - (4) GAS SHUT-OFF VALVE WILL NOT BE INSTALLED ON DAY 1. SHUT-OFF VALVES WILL BE INSTALLED IN FUTURE. UPON DETECTION OF ELEVATED LEVELS OF HYDROGEN GAS, GAS DETECTION SERVER WILL STILL ANNUNCIATE ALARM.
  - (5) HYDROGEN PIPING WILL NOT BE INSTALLED IN ROOM 1032 ON DAY 1. INSTALL SENSING TUBING, JUST BELOW CEILING, ABOVE THE MANUAL ISOLATION VALVES. MANUAL ISOLATION VALVES WILL BE INSTALLED BELOW CEILING IN CORRIDOR 100R. REFER TO PLUMBING FLOOR PLANS FOR LOCATION.
  - (6) HYDROGEN DETECTOR WILL BE PROVIDED TO DETECT LEAKAGE NEAR FLOW METER ASSEMBLIES FE-H2(1000)-101 AND FE-H2(250)-101. FLOW METERS WILL BE INSTALLED BELOW CEILING, IN CORRIDOR 1102. REFER TO PLUMBING FLOOR PLANS FOR LOCATION. INSTALL SENSING TUBING TIGHT TO STRUCTURE ABOVE THE FLOW METERS.



Revisions:

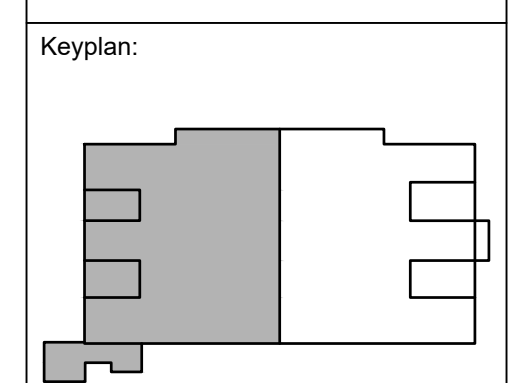
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Date Issued	01/30/2024
Sheet Number	<b>P702</b>



- GENERAL NOTES**
- EXISTING DIFFUSERS INSTALLED IN EXISTING CEILING SYSTEMS ARE INDICATED ON THIS PLAN FOR CONTRACTOR REFERENCE AND BIDDING PURPOSES. THE INSTALLATION OF NEW FIRE PROTECTION SPRINKLER SYSTEM PIPING IN ROOMS AND SPACES WHICH CURRENTLY HAVE EXISTING CEILING SYSTEMS, MAY REQUIRE THAT SOME ASSOCIATED DIFFUSERS BE TEMPORARILY DISCONNECTED, STORED, AND RE-INSTALLED TO ACCOMMODATE FIRE PROTECTION WORK. WHILE EVERY EFFORT WILL BE MADE TO MINIMIZE IMPACTS TO EXISTING DIFFUSERS IN THE ROOMS AND SPACES, FOR BIDDING PURPOSES THE MECHANICAL CONTRACTOR SHALL ASSUME THAT 15% OF THE DIFFUSERS SHOWN ON THIS PLAN WILL BE IMPACTED BY THE NEW FIRE PROTECTION SYSTEM INSTALLATION.
  - ROOMS OR SPACES WHERE DIFFUSERS ARE NOT SHOWN HAVE NO CEILINGS AND ARE OPEN TO STRUCTURE.
  - AREAS THAT ARE HATCHED HAVE EXISTING FIRE PROTECTION SYSTEM IN THIS AREA INSTALLED AS PART OF PREVIOUS WORK. REFER TO SHEET G001 FOR ADDITIONAL INFORMATION.

- SHEET KEYNOTES**
- THIS ROOM DOES NOT HAVE A CEILING AND IS EXPOSED TO STRUCTURE.



Revisions:

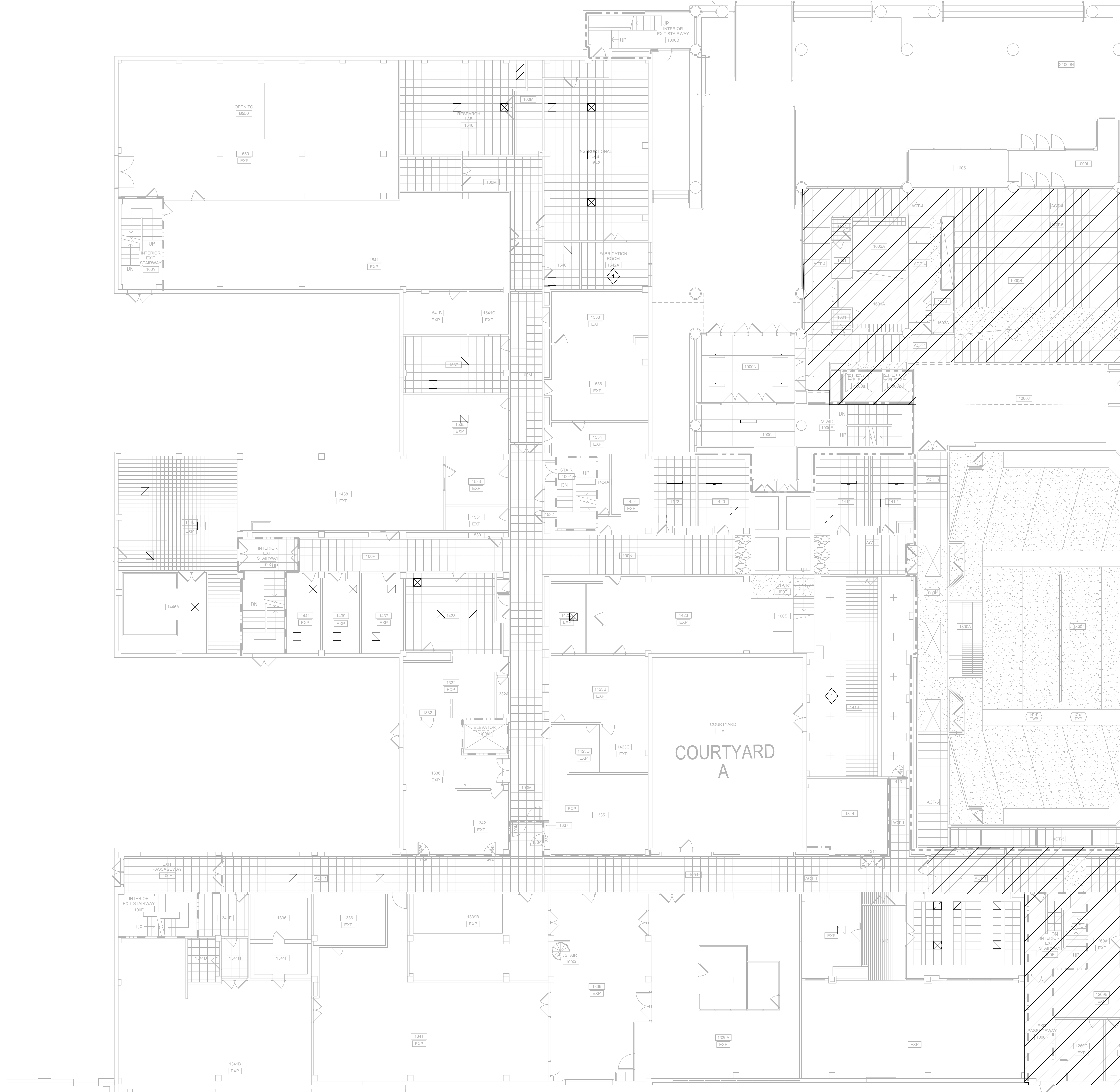
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UWSA Number: A-23-003  
 MSN Number: 0408-2331  
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**1 MECHANICAL BASEMENT DEMOLITION REFLECTED CEILING PLAN - WEST**  
 SCALE: 1/8" = 1'-0"

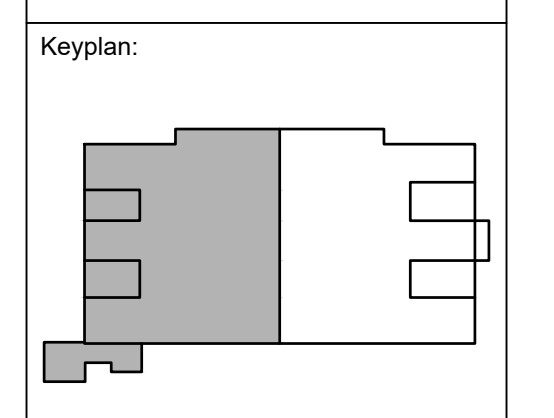






- GENERAL NOTES**
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  - AREAS THAT ARE HATCHED HAVE EXISTING FIRE PROTECTION SYSTEM IN THIS AREA INSTALLED AS PART OF PREVIOUS WORK. REFER TO SHEET G001 FOR ADDITIONAL INFORMATION.

- SHEET KEYNOTES**
- THIS ROOM WAS NOT ACCESSIBLE DURING SITE OBSERVATION VISITS. MECHANICAL CONTRACTOR TO ASSUME A CEILING LAYOUT IN THIS SPACE WHICH IS SIMILAR TO ADJACENT SPACES OF THE SAME DIMENSION.



The Board of Regents of the University of Wisconsin on behalf of the University of Wisconsin - Madison

University of Wisconsin - Madison  
Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

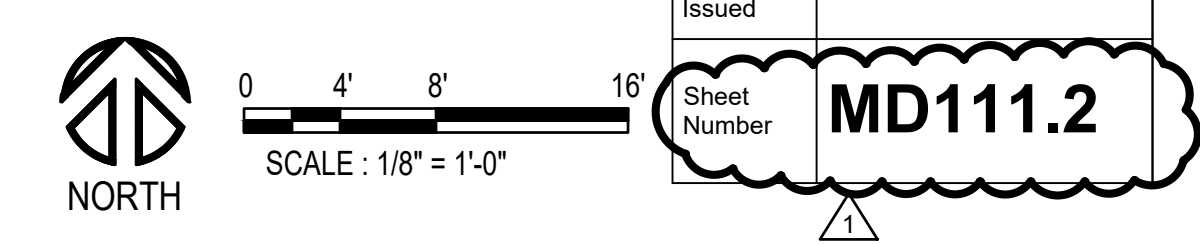
Sheet Title:  
MECHANICAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST

Revisions:

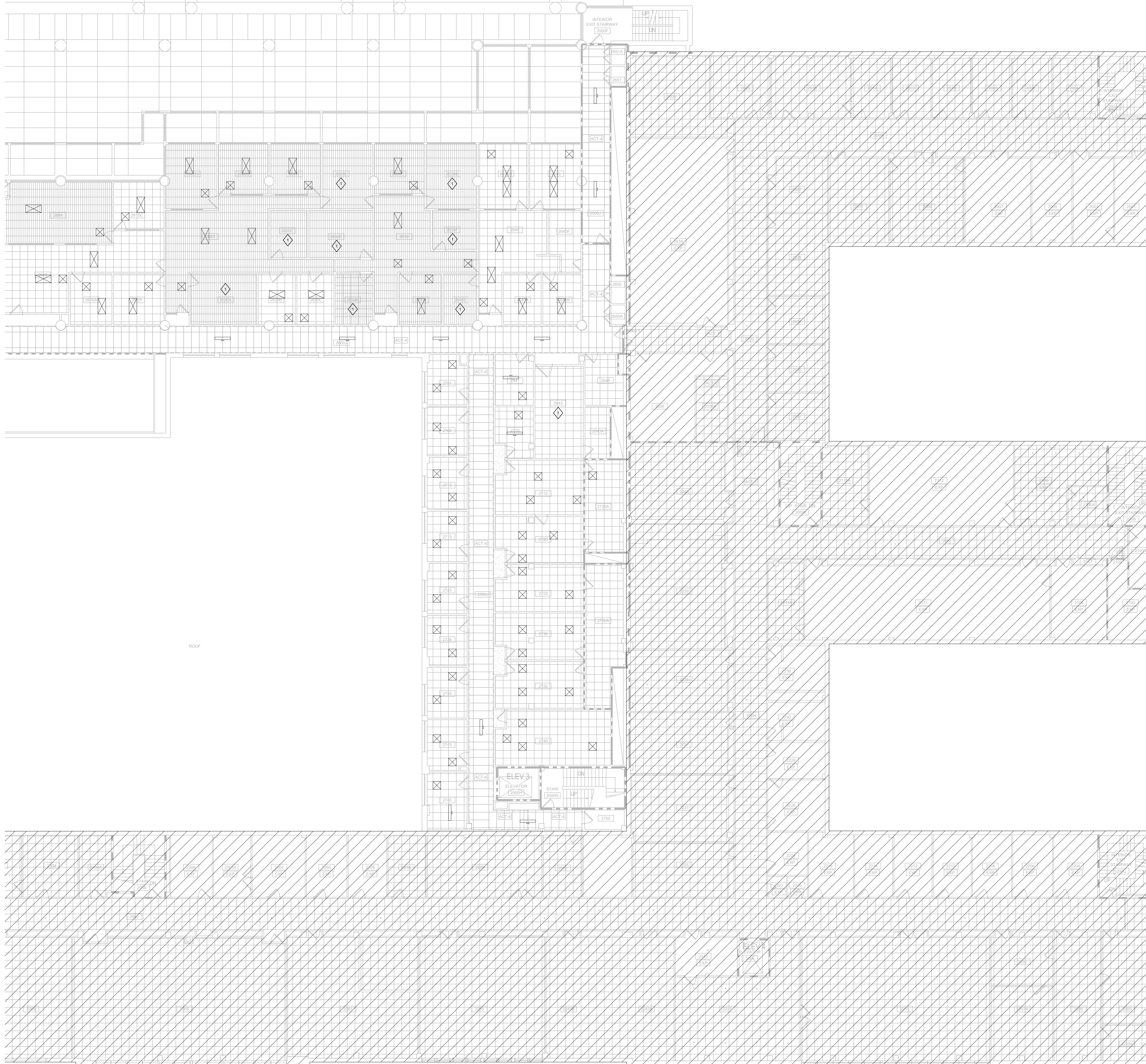
No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Issued	04/16/2024

**1 MECHANICAL FIRST FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST**  
SCALE: 1/8" = 1'-0"



Sheet Number: **MD111.2**

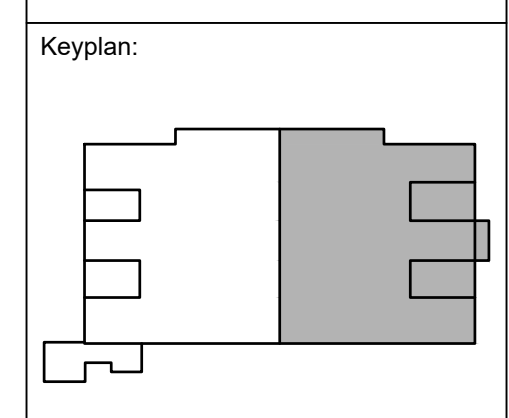


- GENERAL NOTES**
- EXISTING DIFFUSERS INSTALLED IN EXISTING CEILING SYSTEMS ARE INDICATED ON THIS PLAN FOR CONTRACTOR REFERENCE AND BIDDING PURPOSES. THE INSTALLATION OF NEW FIRE PROTECTION SPRINKLER SYSTEM PIPING IN ROOMS AND SPACES WHICH CURRENTLY HAVE EXISTING CEILING SYSTEMS, MAY REQUIRE THAT SOME ASSOCIATED DIFFUSERS BE TEMPORARILY DISCONNECTED, STORED, AND RE-INSTALLED TO ACCOMMODATE FIRE PROTECTION WORK. WHILE EVERY EFFORT WILL BE MADE TO MINIMIZE IMPACTS TO EXISTING DIFFUSERS IN THE ROOMS AND SPACES, FOR BIDDING PURPOSES THE MECHANICAL CONTRACTOR SHALL ASSUME THAT 15% OF THE DIFFUSERS SHOWN ON THIS PLAN WILL BE IMPACTED BY THE NEW FIRE PROTECTION SYSTEM INSTALLATION.
  - ROOMS OR SPACES WHERE DIFFUSERS ARE NOT SHOWN HAVE NO CEILINGS AND ARE OPEN TO STRUCTURE.
  - AREAS THAT ARE HATCHED HAVE EXISTING FIRE PROTECTION SYSTEM IN THIS AREA INSTALLED AS PART OF PREVIOUS WORK. REFER TO SHEET G001 FOR ADDITIONAL INFORMATION.

- SHEET KEYNOTES**
- THIS ROOM WAS NOT ACCESSIBLE DURING SITE OBSERVATION VISITS. MECHANICAL CONTRACTOR TO ASSUME A CEILING LAYOUT IN THIS SPACE WHICH IS SIMILAR TO ADJACENT SPACES OF THE SAME DIMENSION.

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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

Sheet Title:  
 MECHANICAL SECOND FLOOR DEMOLITION  
 REFLECTED CEILING PLAN - EAST

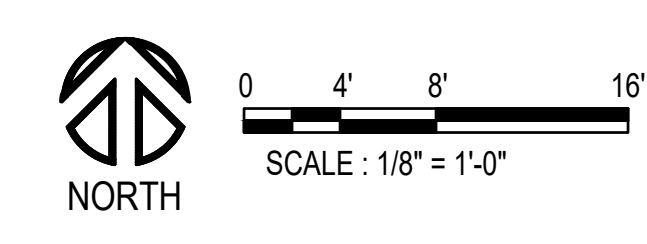
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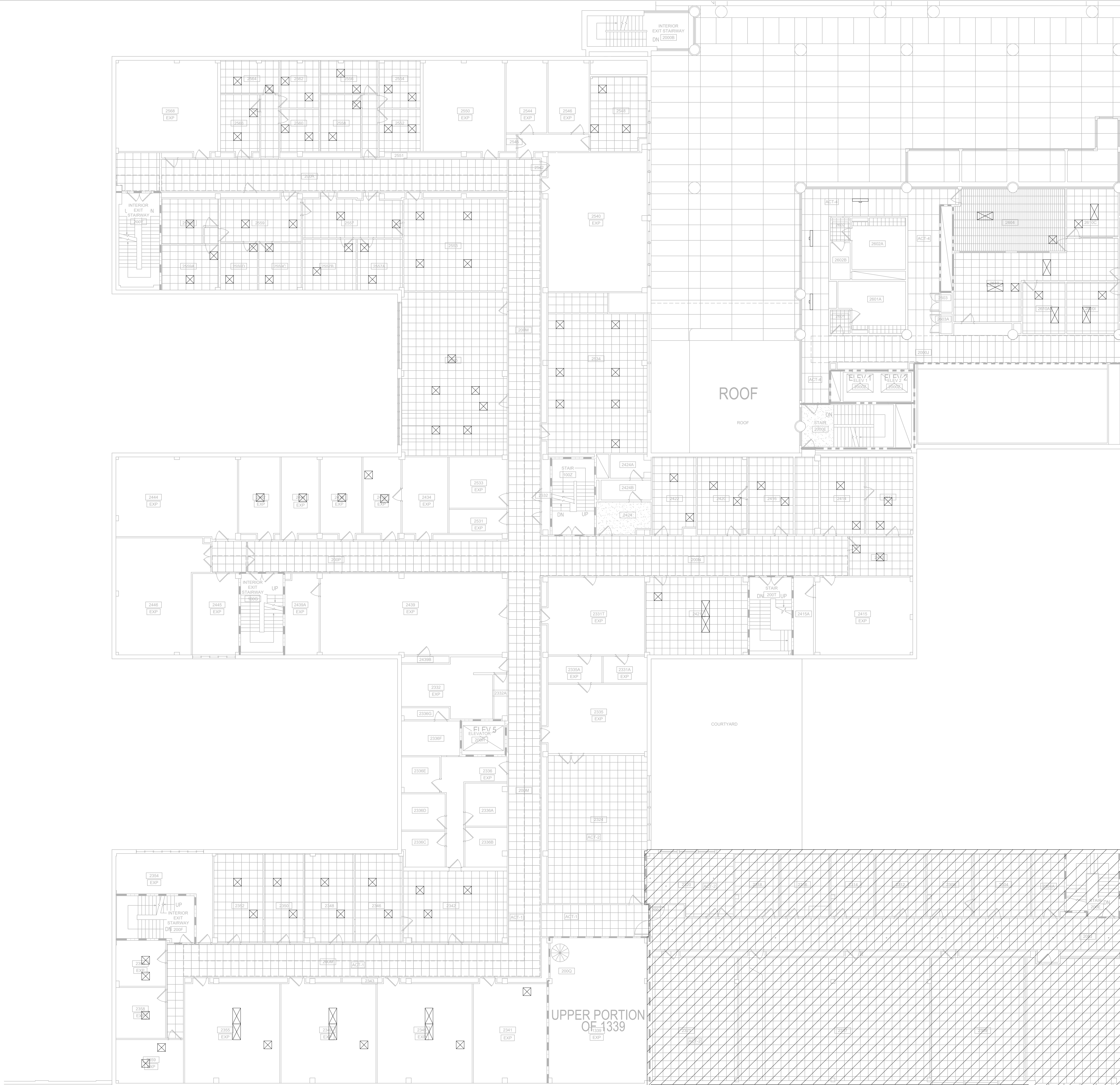
No.	Date	Description
1	04/16/24	Addendum 2

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MSN Number	0408-2331
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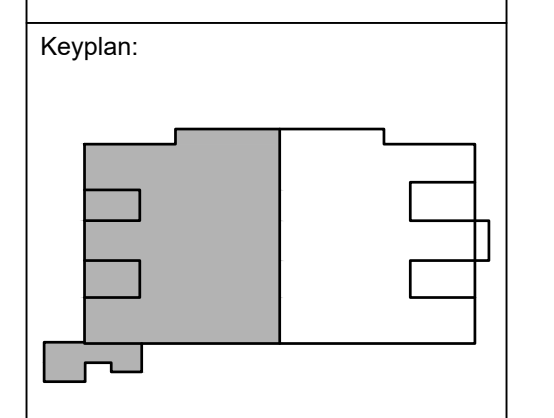
Sheet Number: **MD112.1**

**1 MECHANICAL SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN - EAST**  
 SCALE: 1/8" = 1'-0"





- GENERAL NOTES**
- EXISTING DIFFUSERS INSTALLED IN EXISTING CEILING SYSTEMS ARE INDICATED ON THIS PLAN FOR CONTRACTOR REFERENCE AND BIDDING PURPOSES. THE INSTALLATION OF NEW FIRE PROTECTION SPRINKLER SYSTEM PIPING IN ROOMS AND SPACES WHICH CURRENTLY HAVE EXISTING CEILING SYSTEMS, MAY REQUIRE THAT SOME ASSOCIATED DIFFUSERS BE TEMPORARILY DISCONNECTED, STORED, AND RE-INSTALLED TO ACCOMMODATE FIRE PROTECTION WORK. WHILE EVERY EFFORT WILL BE MADE TO MINIMIZE IMPACTS TO EXISTING DIFFUSERS IN THE ROOMS AND SPACES, FOR BIDDING PURPOSES THE MECHANICAL CONTRACTOR SHALL ASSUME THAT 15% OF THE DIFFUSERS SHOWN ON THIS PLAN WILL BE IMPACTED BY THE NEW FIRE PROTECTION SYSTEM INSTALLATION.
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The Board of Regents of the University of Wisconsin on behalf of the University of Wisconsin - Madison

University of Wisconsin - Madison  
Madison, WI 53703

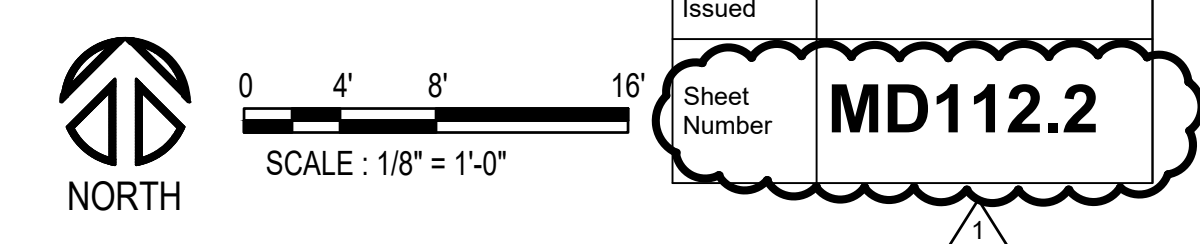
**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

MECHANICAL SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST

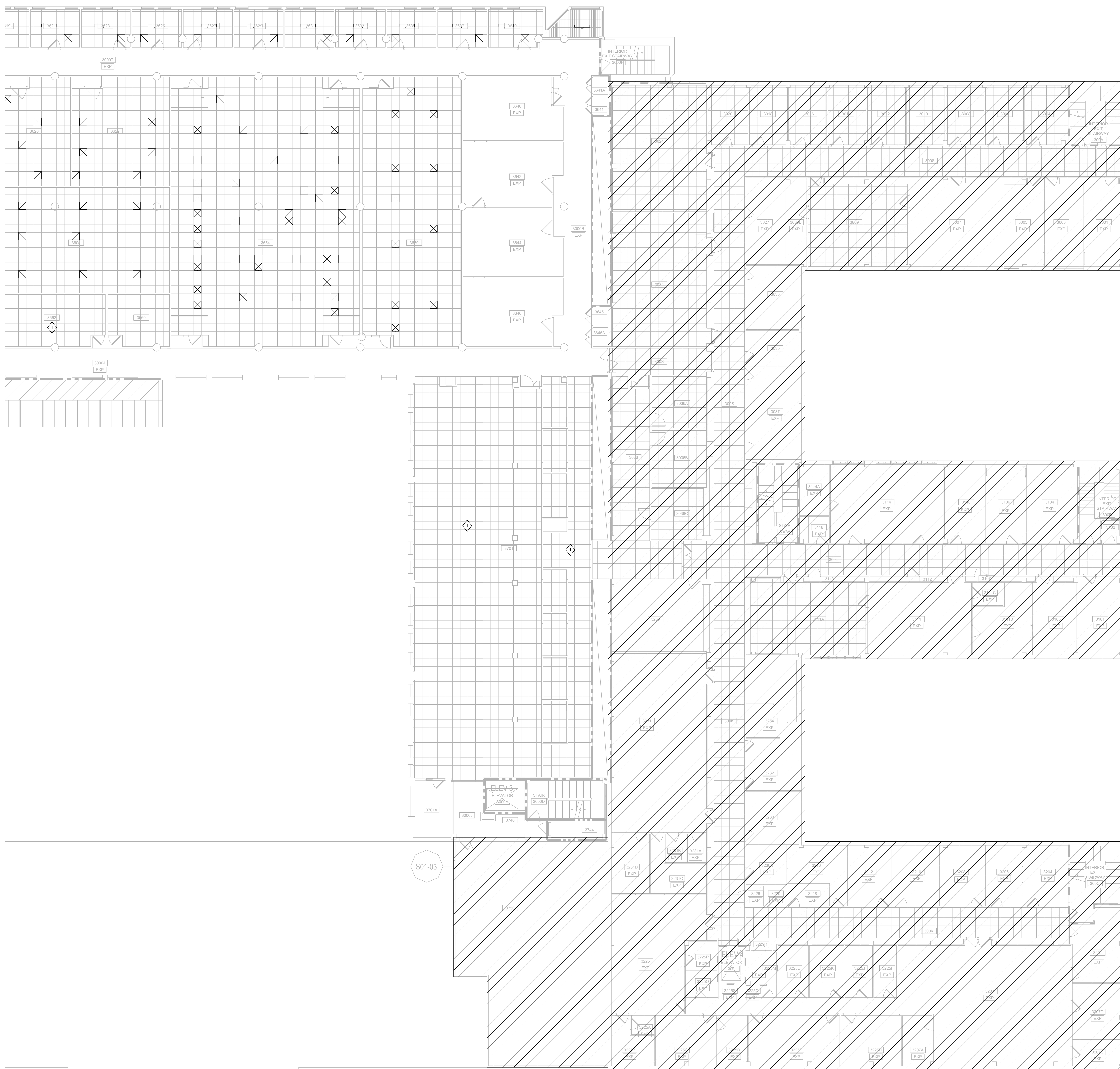
No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
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**1 MECHANICAL SECOND FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST**  
SCALE: 1/8" = 1'-0"

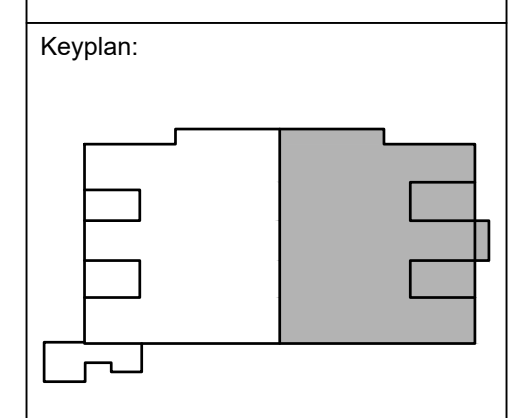


Sheet Number **MD112.2**



- GENERAL NOTES**
- EXISTING DIFFUSERS INSTALLED IN EXISTING CEILING SYSTEMS ARE INDICATED ON THIS PLAN FOR CONTRACTOR REFERENCE AND BIDDING PURPOSES. THE INSTALLATION OF NEW FIRE PROTECTION SPRINKLER SYSTEM PIPING IN ROOMS AND SPACES WHICH CURRENTLY HAVE EXISTING CEILING SYSTEMS, MAY REQUIRE THAT SOME ASSOCIATED DIFFUSERS BE TEMPORARILY DISCONNECTED, STORED, AND RE-INSTALLED TO ACCOMMODATE FIRE PROTECTION WORK. WHILE EVERY EFFORT WILL BE MADE TO MINIMIZE IMPACTS TO EXISTING DIFFUSERS IN THE ROOMS AND SPACES, FOR BIDDING PURPOSES THE MECHANICAL CONTRACTOR SHALL ASSUME THAT 15% OF THE DIFFUSERS SHOWN ON THIS PLAN WILL BE IMPACTED BY THE NEW FIRE PROTECTION SYSTEM INSTALLATION.
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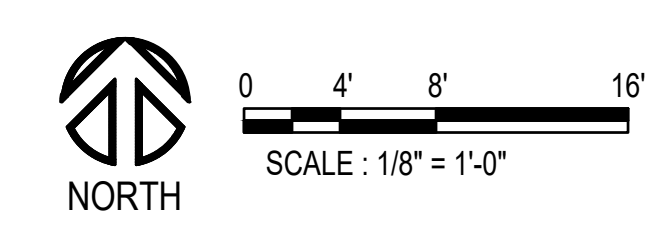


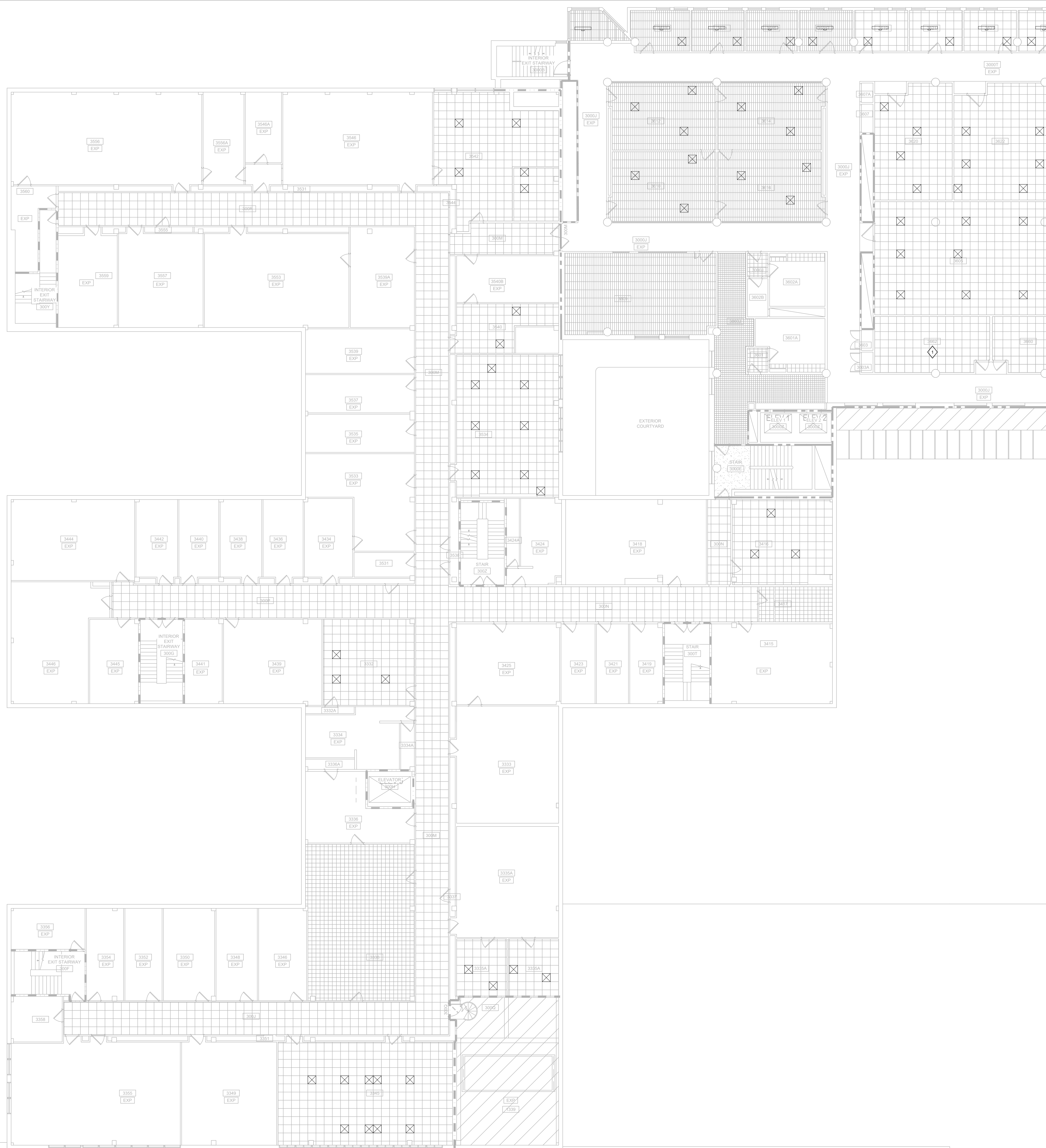
Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Issued	04/16/2024
Sheet Number	<b>MD113.1</b>

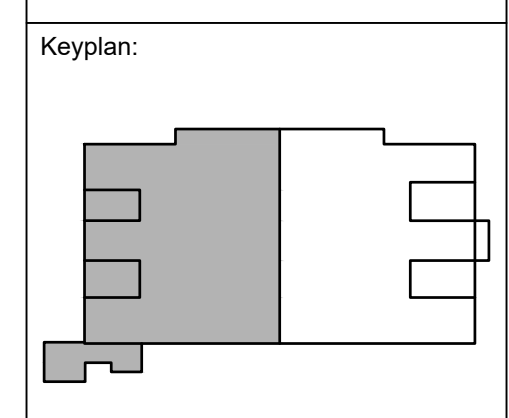
**1 MECHANICAL THIRD FLOOR DEMOLITION REFLECTED CEILING PLAN - EAST**  
 SCALE: 1/8" = 1'-0"





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The Board of Regents of the University of Wisconsin on behalf of the University of Wisconsin - Madison

University of Wisconsin - Madison  
Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

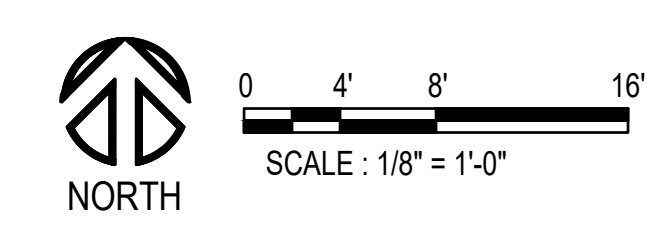
Sheet Title:  
MECHANICAL THIRD FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST

Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
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Set Type	ADDENDUM 2
Date Issued	04/16/2024
Sheet Number	<b>MD113.2</b>

**1 MECHANICAL THIRD FLOOR DEMOLITION REFLECTED CEILING PLAN - WEST**  
SCALE: 1/8" = 1'-0"





**GENERAL NOTES**

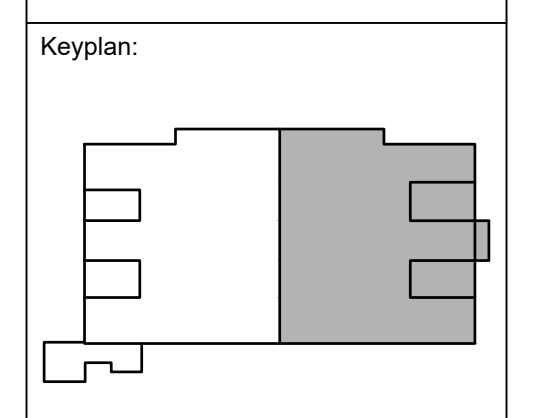
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 (608) 254.7164  
 aro@eberle.com



The Board of Regents of the  
 University of Wisconsin on behalf of  
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University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

Sheet Title:  
 MECHANICAL FOURTH FLOOR DEMOLITION  
 REFLECTED CEILING PLAN - EAST

Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Issued	04/16/2024

**1 MECHANICAL FOURTH FLOOR DEMOLITION REFLECTED CEILING PLAN - EAST**  
 SCALE: 1/8" = 1'-0"

**NORTH**

0 4 8 16  
 SCALE: 1/8" = 1'-0"

Sheet Number  
**MD114.1**

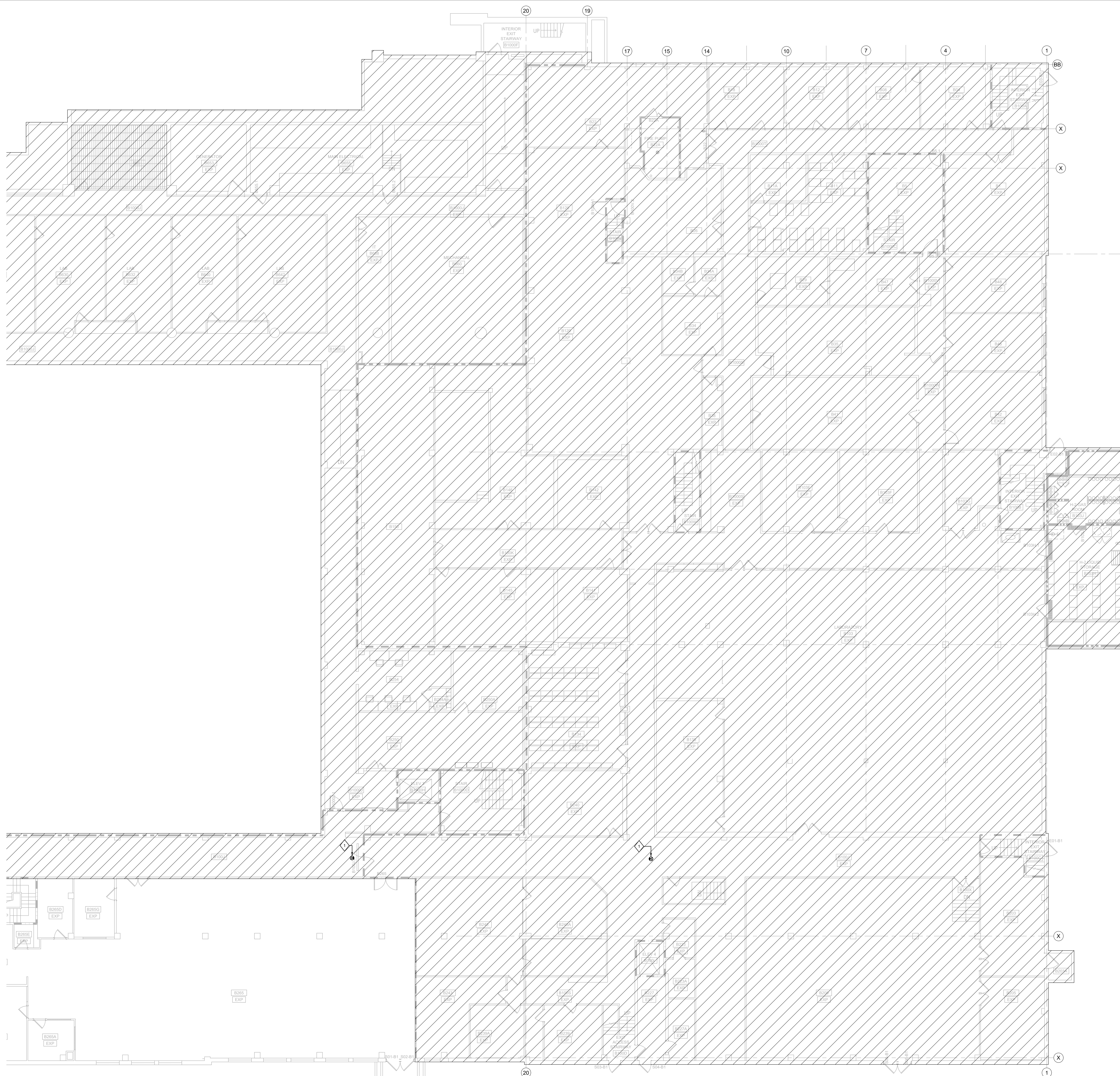


# FIRE PROTECTION CEILING SCHEDULE

UW ENGINEERING HALL PHASE #2 - BASEMENT LEVEL PROJECT #21110-10		UW ENGINEERING HALL PHASE #2 - 1ST LEVEL PROJECT #21110-10		UW ENGINEERING HALL PHASE #2 - 2nd LEVEL PROJECT #21110-10		UW ENGINEERING HALL PHASE #2 - 3rd LEVEL PROJECT #21110-10		UW ENGINEERING HALL PHASE #2 - 4th LEVEL PROJECT #21110-10		UW ENGINEERING HALL PHASE #2 - 5th LEVEL PROJECT #21110-10	
Room Number	Ceiling Type	Room Number	Ceiling Type	Room Number	Ceiling Type	Room Number	Ceiling Type	Room Number	Ceiling Type	Room Number	Ceiling Type
55	ACT	1313	Exposed	2324	ACT	200G	Exposed	3332	ACT	4601	ACT
230	Exposed	1314	Exposed	2331	ACT	200M	ACT	3333	Exposed	4602	ACT
250	Exposed	1332	Exposed	2332	Exposed	200N	ACT	3334	Exposed	4603	Exposed
254	Exposed	1335	Exposed/ACT	2335	Exposed	200P	ACT	3335	Exposed	4604	Exposed
265	Exposed	1336	Exposed	2336	Exposed	200R	ACT	3336	Exposed	4605	ACT
314	Exposed	1337	Exposed	2341	Exposed	200T	Exposed	3337	Exposed	4607	Exposed
321	Exposed	1339	Exposed	2342	ACT	200Y	Exposed	3338	Perforated Metal Pan	4610	ACT
325	Exposed	1341	Exposed	2343	Exposed	200Z	Exposed	3336	Exposed	4611	ACT
330	Exposed	1342	Exposed	2345	Exposed	2331A	Exposed	3345	ACT	4612	ACT
331	Exposed	1343	Exposed	2346	ACT	2331T	Exposed	3346	Exposed	4613	ACT
332	Exposed	1412	ACT	2348	ACT	2332A	Exposed	3348	Exposed	4614	ACT
334	Exposed	1413	Drywall & Perforated metal/non-metal ceiling tiles	2349	Exposed	2335A	Exposed	3349	Exposed	4615	ACT
335	Exposed	1414	ACT	2350	ACT	2336A	Exposed	3350	Exposed	4616	ACT
337	Exposed	1420	ACT	2352	ACT	2336B	Exposed	3352	Exposed	4617	ACT
339	Exposed	1422	ACT	2354	Exposed	2336C	Exposed	3353	Exposed	4618	ACT
341	Exposed	1423	Exposed	2355	Exposed	2336D	Exposed	3354	Exposed	4619	ACT
342	Exposed	1424	Exposed	2356	Exposed	2336E	Exposed	3355	Exposed	4620	ACT
345	Exposed	1433	ACT	2358	Exposed	2336F	Exposed	3356	Exposed	4621	ACT
347	Exposed	1437	Exposed	2359	Exposed	2336G	Exposed	3357	Exposed	4623	ACT
349	Exposed	1438	Exposed	2412	ACT	2415A	Exposed	3358	Exposed	4624	ACT
353	Exposed	1439	Exposed	2413	ACT	2424A	Exposed	3415	Exposed	4625	ACT
355	ACT	1441	Exposed	2414	ACT	2424B	Exposed	3416	ACT	4627	ACT
420	Exposed	1446	Metal ceiling tiles	2415	Exposed	2439A	Exposed	3417	ACT	4628	Exposed
422	Exposed	1530	Exposed	2416	Exposed	2439B	Exposed	3418	Exposed	4629	Exposed
425	Exposed	1531	Exposed	2420	ACT	2532A	Exposed	3419	Exposed	4630	Exposed
426	Exposed	1532	Exposed	2421	Exposed/ACT	2557A	ACT	3421	Exposed	4631	ACT
429	Exposed	1533	Exposed	2422	ACT	2557B	ACT	3423	Exposed	4632	Exposed
442	Exposed	1534	Exposed	2424	Exposed	2559A	ACT	3424	Exposed	4633	ACT
532	Exposed	1535	Exposed	2432	Exposed	2559B	ACT	3425	Exposed	4635	ACT
533	Exposed	1536	Exposed	2436	Exposed	2559C	ACT	3434	Exposed	4637	ACT
534	Exposed	1537	ACT	2438	Exposed	2559D	ACT	3436	Exposed	4639	ACT
537	Exposed	1538	Exposed	2439	Exposed	2602A	Metal ceiling tiles	3439	Exposed	4640	Exposed
540	ACT	1540	ACT	2440	Exposed	2602B	Exposed	3440	Exposed	4641	Exposed
541	Exposed	1541	Exposed	2442	Exposed	2603A	Exposed	3441	Exposed	4642	Exposed
542	Exposed	1542	ACT	2444	Exposed	2610A	ACT	3442	Exposed	4644	Exposed
543	Exposed	1548	ACT	2445	Exposed	2610C	ACT	3444	Exposed	4645	Exposed
544	Exposed	1550	ACT	2446	Exposed	2620A	ACT	3445	Exposed	4646	Exposed
546	Exposed	1601	Metal ceiling tiles	2531	Exposed	2620B	ACT	3446	Exposed	4647	Exposed
550	Exposed	1602	Metal ceiling tiles	2533	Exposed	2620C	ACT	3531	Exposed	4648	Exposed
551	Exposed	1605	Metal ceiling tiles	2534	Exposed	2620D	ACT	3533	Exposed	4649	Exposed
553	Exposed	1610	Cloud ceiling	2535	ACT	2620E	ACT	3534	ACT	4650	Exposed
555	ACT	1653	ACT	2540	Exposed	2620F	ACT	3535	Exposed	4654	Exposed
559	Exposed	1701	ACT	2542	Exposed	2620G	ACT	3537	Exposed	4660	ACT
601	ACT	1800	Cloud ceiling	2544	Exposed	2620H	ACT	3538	Exposed	4662	ACT
602	ACT	1801	ACT	2545	Exposed	2620I	ACT	3539	Exposed	4664	ACT
605	Exposed	1000E	Gypsum	2546	Exposed	2620J	ACT	3540	ACT	4666	ACT
610	ACT	1000J	Gypsum	2548	ACT	2630A	ACT	3542	ACT	4668	Exposed
611	ACT	1000J	ACT	2550	Exposed	2630B	ACT	3546	Exposed	4670	ACT
612	ACT	1000N	Metal ceiling tiles	2552	ACT	2630D	ACT	3553	Exposed	4701	ACT
613	ACT	1000P	ACT	2553	ACT	2630E	ACT	3556	Exposed	4703	ACT
614	ACT	1000R	Gypsum	2554	ACT	2640A	ACT	3557	Exposed	4713	ACT
615	ACT	1000S	ACT	2556	ACT	2640B	ACT	3559	Exposed	4715	ACT
616	ACT	100F	ACT	2557	ACT	2640C	ACT	3560	Exposed	4720	Exposed
617	ACT	100J	ACT	2558	ACT	2640D	ACT	3601	ACT	4722	Exposed
619	Exposed	100M	ACT	2559	ACT	2640E	ACT	3603	Exposed	4723	ACT
620	Exposed	100N	ACT	2560	ACT	2640F	ACT	3605	ACT	4725	ACT
622	Exposed	100P	ACT	2562	ACT	2640F	ACT	3607	Exposed	4727	ACT
630	Exposed	100Q	Exposed/Spiral staircase	2564	ACT	2643A	ACT	3610	ACT	4730	Exposed
632	Exposed	100S	Exposed	2566	ACT	2650A	Exposed	3611	ACT	4732	Exposed
640	Exposed	100T	Exposed	2568	Exposed	2651A	Exposed	3612	ACT	4733	ACT
642	Exposed	100V	Exposed	2569	Exposed	2720A	ACT	3613	ACT	4735	ACT
651	ACT	100Z	Exposed	2601	Metal ceiling tiles	2730A	ACT	3614	ACT	4740	Exposed
653	Exposed	1313A	Exposed	2602	Metal ceiling tiles			3615	ACT	4000B	Exposed
655	Exposed	1313B	Exposed	2603	Exposed			3616	ACT	4000D	Exposed
658	Exposed	1313C	ACT	2604	ACT			3617	ACT	4000E	Exposed
1000D	Stairwell	1332A	Exposed	2610	ACT			3619	ACT	4000F	Exposed
1000E	ACT	1336A	Exposed	2620	ACT			3620	ACT	4000H	Gypsum
1000H	Elevator shaft	1339A	Exposed	2630	ACT			3621	ACT	4000J	Exposed
1000J	Exposed	1339B	Exposed	2640	ACT			3622	ACT	4000R	Exposed
100D	Exposed	1341A	Exposed	2641	ACT			3623	ACT	4000S	Exposed
100F	Exposed	1341B	Exposed	2643	ACT			3625	ACT	4000T	Exposed
100G	Exposed	1341C	ACT	2645	ACT			3627	ACT	4000U	Exposed
100H	Exposed	1341D	ACT	2650	Exposed			3629	ACT	4000Z	Gypsum
100I	Exposed	1341E	ACT	2651	Exposed			3631	ACT	4601A	Exposed
100L	Exposed	1341F	Exposed Painted Concrete	2701	ACT			3633	ACT	4602A	Exposed
100M	Exposed	1341G	Exposed Painted Concrete	2703	ACT			3633	ACT	4602B	Exposed
100N	Exposed	1341H	ACT	2710	ACT			3635	ACT	4603A	Exposed
100P	Exposed	1341I	Exposed	2712	ACT			3637	ACT	4607A	Exposed
100Q	Exposed	1423A	Sound Room/Exposed	2713	ACT			3639	ACT	4641A	Exposed
100R	ACT	1423B	Exposed Painted concrete	2715	ACT			3640	Exposed	4645A	Exposed
100R	Exposed	1423C	Exposed Painted Concrete	2720	ACT			3641	Exposed	4662A	ACT
100R	Exposed	1423D	Exposed Painted Concrete	2722	ACT			3642	Exposed		
100Z	Exposed	1424A	Exposed	2723	ACT			3644	Exposed		
250A	Exposed	1446A	Metal ceiling tiles	2725	ACT			3645	Exposed		
254A	Exposed	1541B	Exposed	2730	ACT			3646	Exposed		
265A	Exposed	1541C	Exposed	2732	ACT			3650	ACT		
265B	Exposed	1542A	ACT	2733	ACT			3654	ACT		
265C	Exposed	1601A	Metal ceiling tiles	2740	ACT			3660	ACT		
265D	Exposed	1602A	Metal ceiling tiles	2743	ACT			3662	ACT		
265E	Exposed	1602B	Exposed	2745	ACT			3332A	Exposed		
265F	Exposed	1610A	ACT	2750	Exposed			3334A	Exposed		
265G	Exposed	1610B	ACT	2000D	Exposed			3335A	ACT		
314A	Exposed	1701A	ACT	2000F	Exposed			3335B	ACT		
325A	Exposed	1701B	ACT	2000I	Exposed			3336A	Exposed		
330A	Exposed	1701C	ACT	200F	Exposed			3424A	Exposed		
330B	Exposed	1800A	ACT					3601A	Exposed		
331A	ACT							3602A	Exposed		
331B	ACT							3602B	Exposed		
331C	Exposed							3602C	Exposed		
331D	Exposed							3607A	Exposed		
332A	Exposed							300J	ACT		
333A	Exposed							300M	ACT		
341A	Exposed							300N	ACT		
341B	Exposed							300P	ACT		
341C	Exposed							300R	ACT		
342A	Exposed							300RR	Exposed		
342B	Exposed							300FF	Exposed		
347B	Exposed							300DJ	Exposed		
349C	Exposed							3000T	Exposed		
355A	ACT							3539A	Exposed		
355B	ACT							3540B	Exposed		
355C	ACT							3546A	Exposed		
355D	ACT							3556A	Exposed		
355E	Exposed							3603A	Exposed		
420A	Exposed							3641A	Exposed		
420B	Exposed							3645A	Exposed		
425A	Exposed										
425B	Exposed										
442A	Exposed										
532A	Exposed										
533C	Exposed										
442A	Exposed										
543A	Exposed										
557A	ACT										
601A	ACT										
602A	ACT										

CEILING TYPE KEY	
ACT	ACOUSTIC CEILING TILE
EXPOSED	EXPOSED TO STRUCTURE
METAL CEILING TILE	SPLINE CEILING
GYPSUM	SUSPENDED GYPSUM CEILING



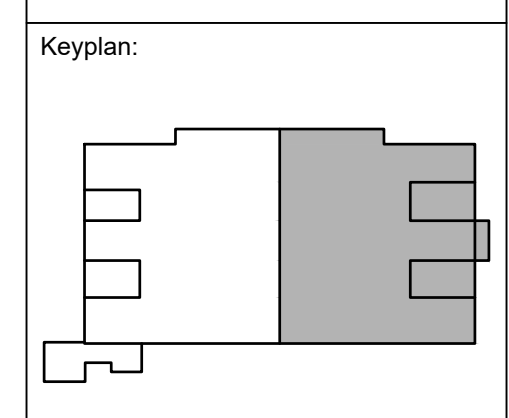


- GENERAL NOTES**
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- SHEET KEYNOTES**
- THIS EXIT IS TO BE RELOCATED TO A LOCATION WHERE IT IS VISIBLE FROM THE PATH OF EGRESS. EXIT SIGN WAS BLOCKED BY FIRE PROTECTION MAIN PIPING DURING PHASE ONE OF THE PROJECT.

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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

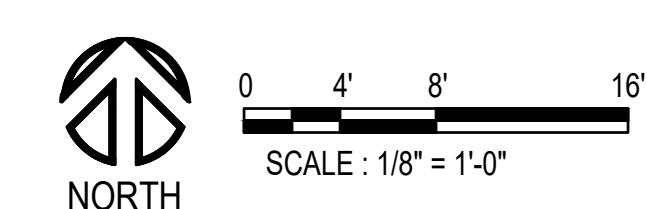
Sheet Title:  
 ELECTRICAL BASEMENT DEMO RCP - EAST

Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Revised	04/16/2024
Sheet Number	<b>ED11B.1</b>

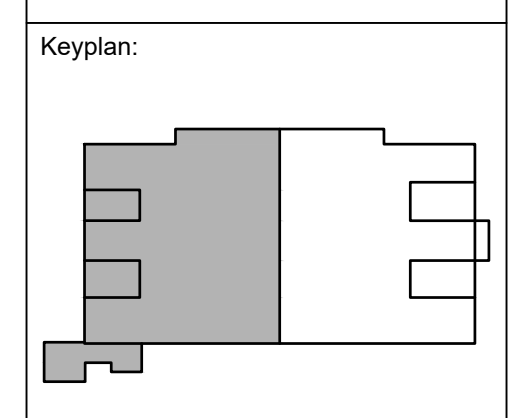
**1 ELECTRICAL BASEMENT DEMO RCP - EAST**  
 SCALE: 1/8" = 1'-0"





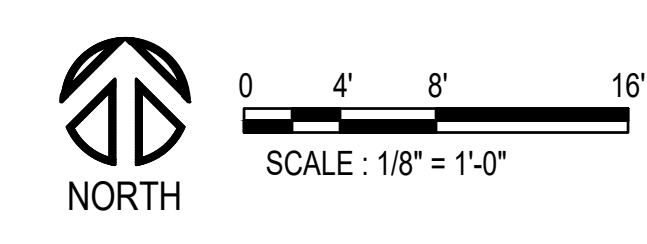
- GENERAL NOTES**
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  - EXISTING LIGHTING FIXTURES INSTALLED WITHIN EXISTING CEILING SYSTEMS ARE INDICATED ON THIS PLAN FOR CONTRACTOR REFERENCE AND BIDDING PURPOSES. THE INSTALLATION OF NEW FIRE PROTECTION SPRINKLER SYSTEM PIPING IN ROOMS AND SPACES WHICH CURRENTLY HAVE EXISTING CEILING SYSTEMS, MAY REQUIRE THAT SOME ASSOCIATED LIGHTING FIXTURES BE TEMPORARILY DISCONNECTED, STORED AND RE-INSTALLED TO ACCOMMODATE FIRE PROTECTION WORK. WHILE EVERY EFFORT WILL BE MADE TO MINIMIZE IMPACTS TO EXISTING LIGHTING FIXTURES IN THESE ROOMS AND SPACES, FOR BIDDING PURPOSES THE ELECTRICAL CONTRACTOR SHALL ASSUME THAT 15% OF THE LIGHTING FIXTURES SHOWN ON THIS PLAN WILL BE IMPACTED BY NEW FIRE PROTECTION SYSTEMS INSTALLATION.
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  - AREAS THAT ARE HATCHED HAVE EXISTING FIRE PROTECTION SYSTEM IN THIS AREA INSTALLED AS PART OF PREVIOUS WORK. REFER TO SHEET G001 FOR ADDITIONAL INFORMATION.

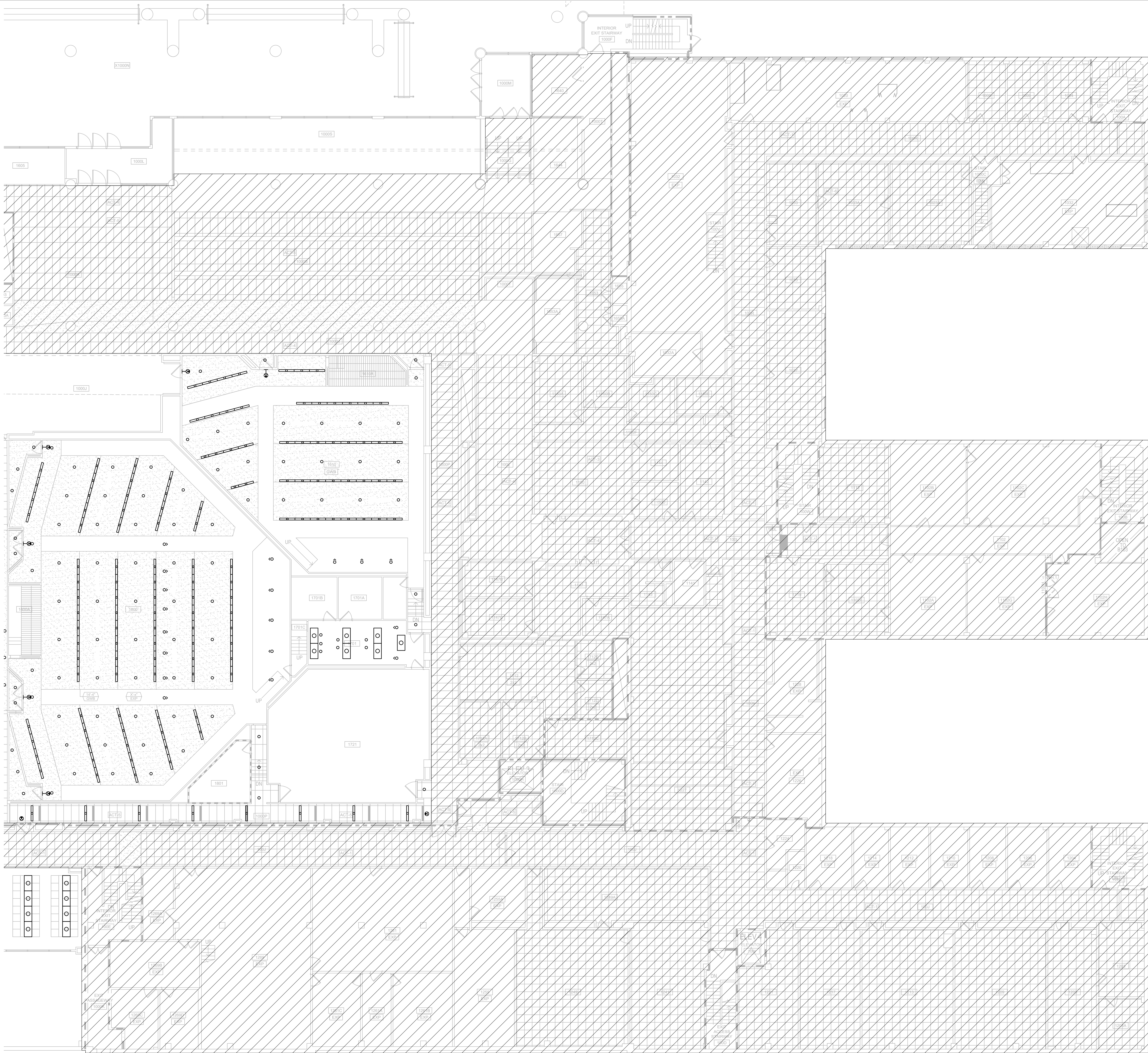
- SHEET KEYNOTES**
- THIS EXIT IS TO BE RELOCATED TO A LOCATION WHERE IT IS VISIBLE FROM THE PATH OF EGRESS. EXIT SIGN WAS BLOCKED BY FIRE PROTECTION MAIN PIPING DURING PHASE ONE OF THE PROJECT.
  - THIS ROOM DOES NOT HAVE A CEILING AND IS EXPOSED TO STRUCTURE.



Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

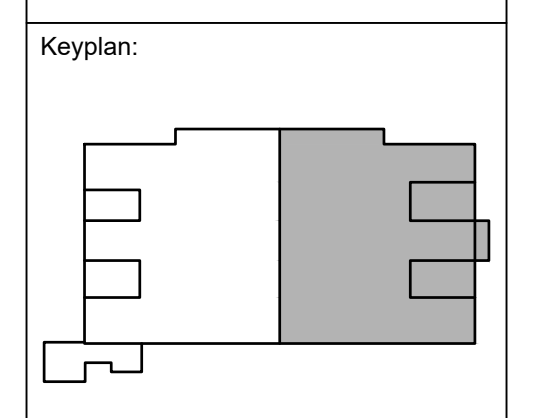




- GENERAL NOTES**
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  2. EXISTING LIGHTING FIXTURES INSTALLED WITHIN EXISTING CEILING SYSTEMS ARE INDICATED ON THIS PLAN FOR CONTRACTOR REFERENCE AND BIDDING PURPOSES. THE INSTALLATION OF NEW FIRE PROTECTION SPRINKLER SYSTEM PIPING IN ROOMS AND SPACES WHICH CURRENTLY HAVE EXISTING CEILING SYSTEMS, MAY REQUIRE THAT SOME ASSOCIATED LIGHTING FIXTURES BE TEMPORARILY DISCONNECTED, STORED AND RE-INSTALLED TO ACCOMMODATE FIRE PROTECTION WORK. WHILE EVERY EFFORT WILL BE MADE TO MINIMIZE IMPACTS TO EXISTING LIGHTING FIXTURES IN THESE ROOMS AND SPACES, FOR BIDDING PURPOSES THE ELECTRICAL CONTRACTOR SHALL ASSUME THAT 15% OF THE LIGHTING FIXTURES SHOWN ON THIS PLAN WILL BE IMPACTED BY NEW FIRE PROTECTION SYSTEMS INSTALLATION.
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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

Sheet Title:  
 ELECTRICAL FIRST FLOOR DEMO RCP - EAST

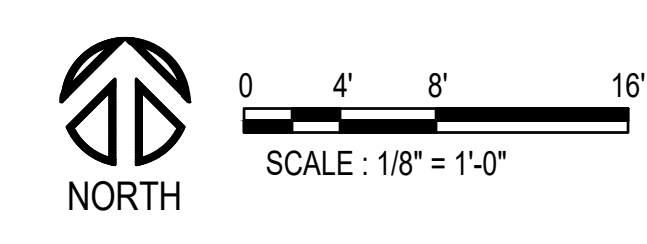
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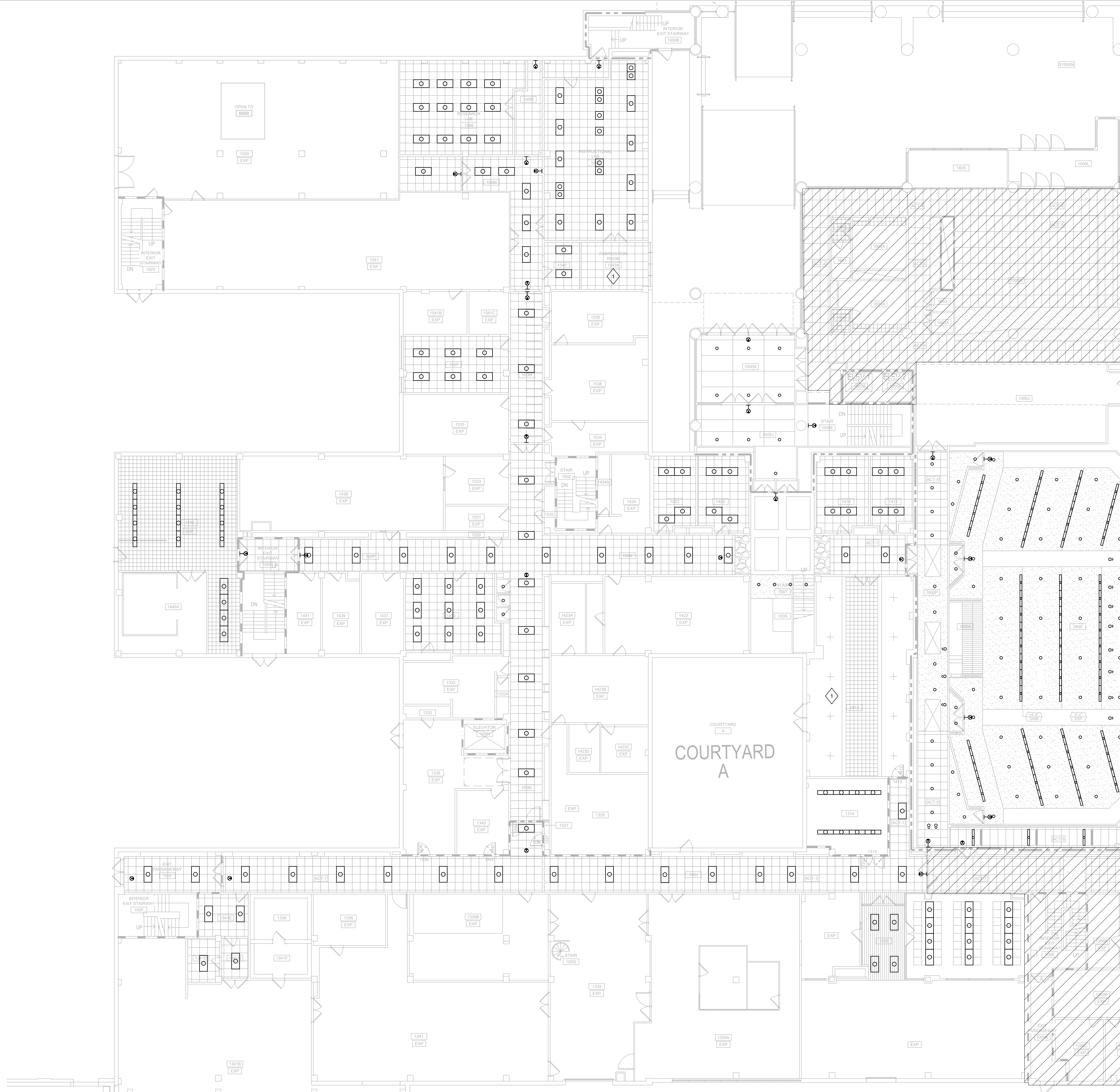
No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number: A-23-003  
 MSN Number: 0408-2331  
 Set Type: ADDENDUM 2  
 Date Issued: 04/16/2024

Sheet Number: **ED111.1**

**1 ELECTRICAL FIRST FLOOR DEMO RCP - EAST**  
 SCALE: 1/8" = 1'-0"





**GENERAL NOTES**

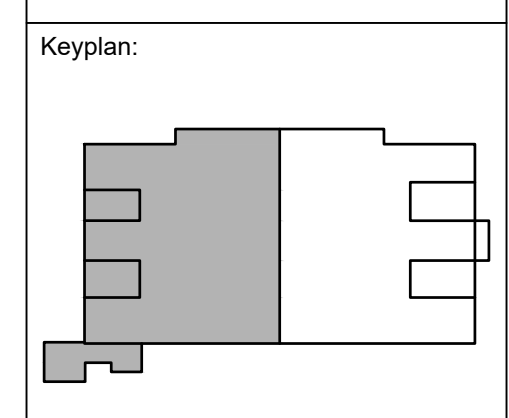
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**◆ SHEET KEYNOTES**

1. THIS ROOM WAS NOT ACCESSIBLE DURING SITE OBSERVATION VISITS. ELECTRICAL CONTRACTOR TO ASSUME A CEILING LAYOUT IN THIS SPACE WHICH IS SIMILAR TO ADJACENT SPACES OF THE SAME DIMENSION.

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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

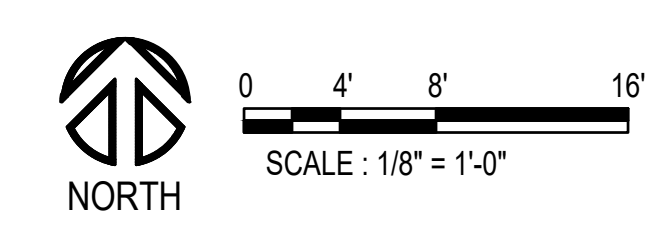
Sheet Title:  
 ELECTRICAL FIRST FLOOR DEMO RCP - WEST

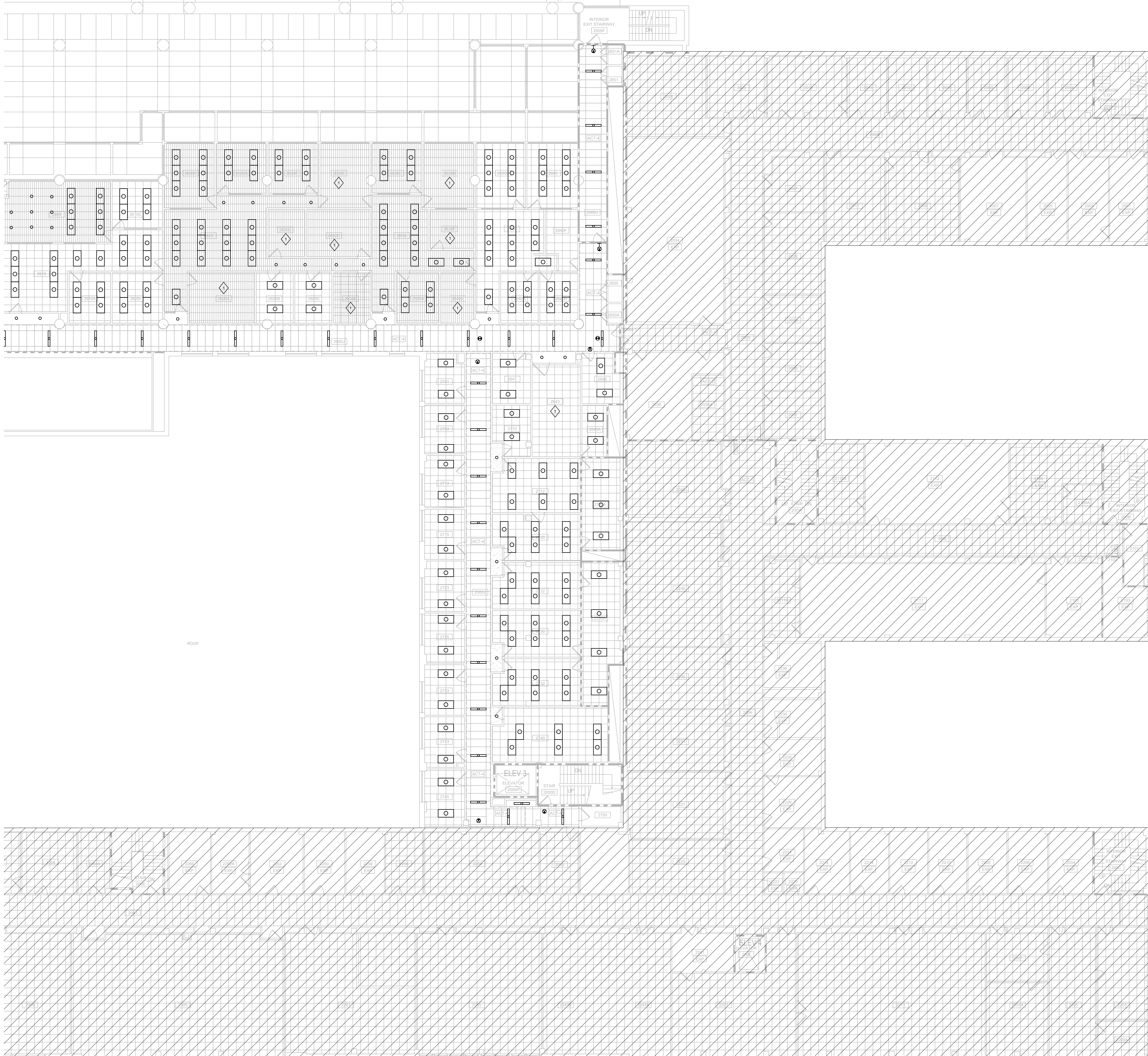
Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Issued	04/16/2024
Sheet Number	<b>ED111.2</b>

**1 ELECTRICAL FIRST FLOOR DEMO RCP - WEST**  
 SCALE: 1/8" = 1'-0"



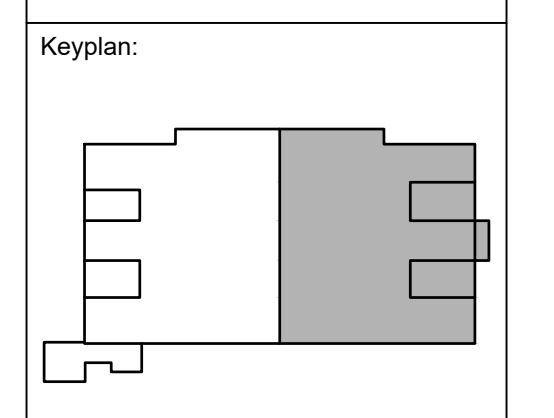


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- SHEET KEYNOTES**
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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

Sheet Title:  
 ELECTRICAL SECOND FLOOR DEMO RCP - EAST

Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

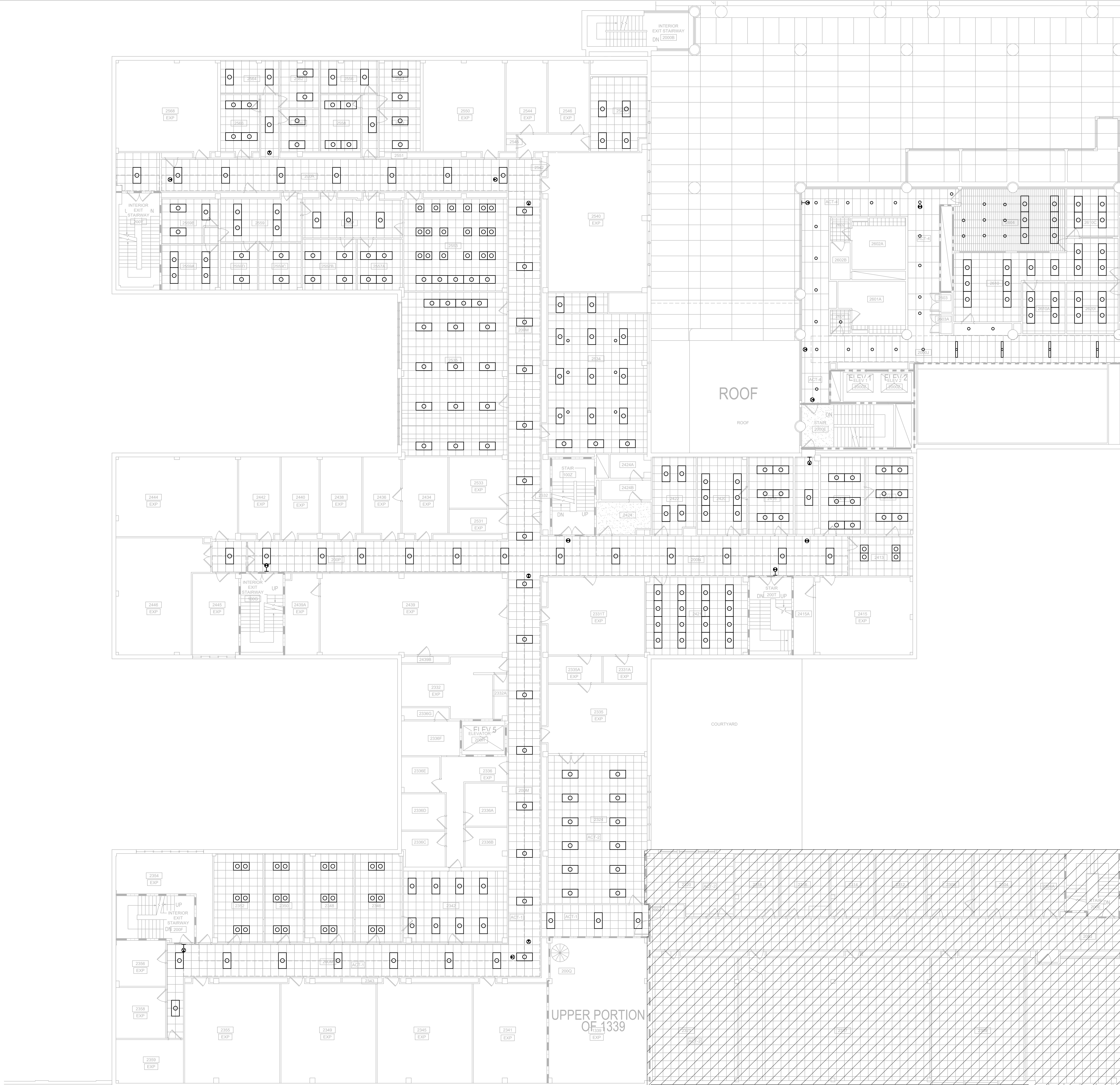
UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Issued	04/16/2024

**ED112.1**

0 4 8 16  
 SCALE: 1/8" = 1'-0"

NORTH

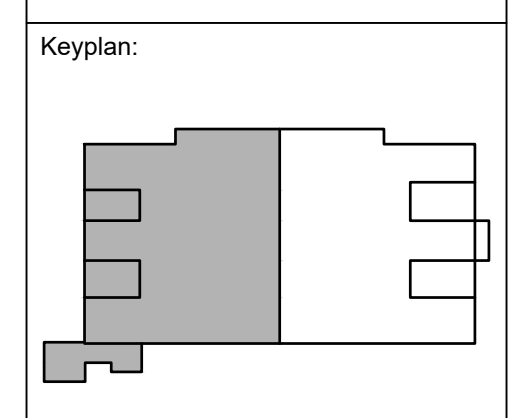
**1 ELECTRICAL SECOND FLOOR DEMO RCP - EAST**  
 SCALE: 1/8" = 1'-0"



- GENERAL NOTES**
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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

Sheet Title:  
 ELECTRICAL SECOND FLOOR DEMO RCP - WEST

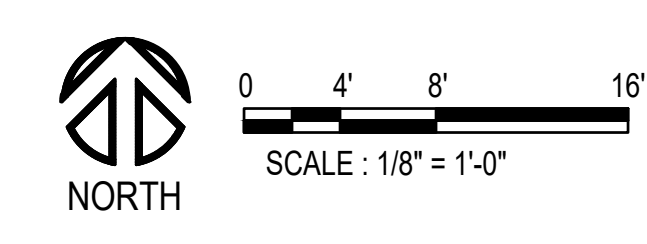
Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

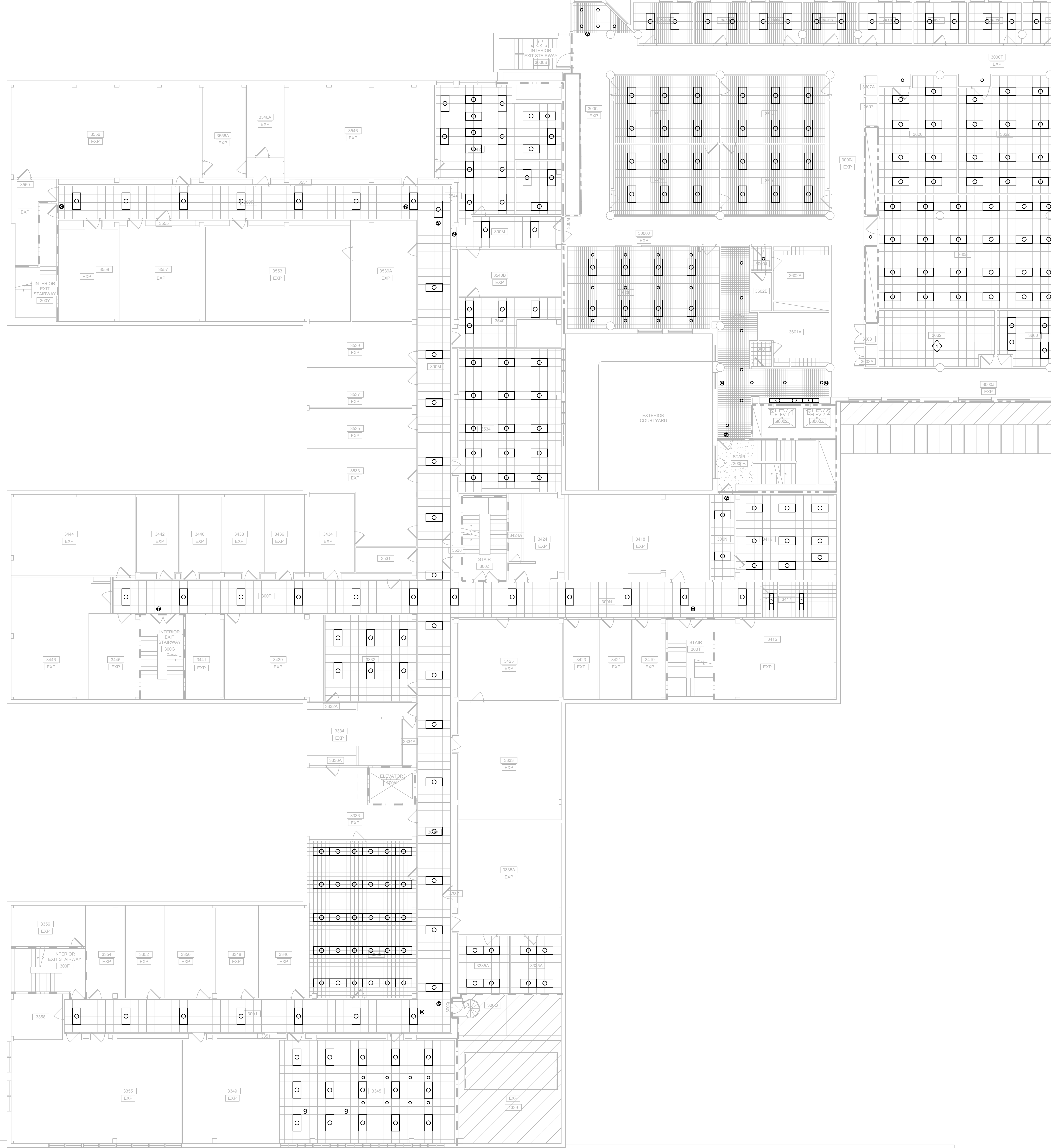
UWSA Number: A-23-003  
 MSN Number: 0408-2331  
 Set Type: ADDENDUM 2  
 Date Issued: 04/16/2024

Sheet Number: **ED112.2**

**1 ELECTRICAL SECOND FLOOR DEMO RCP - WEST**  
 SCALE: 1/8" = 1'-0"





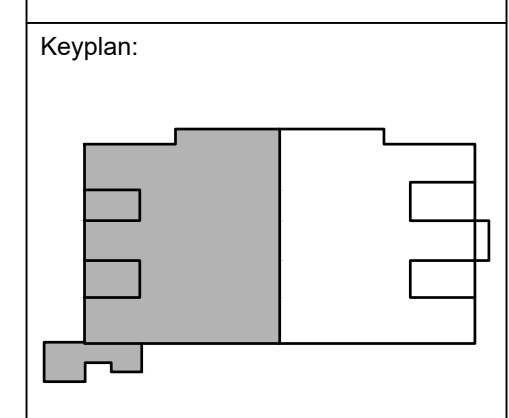


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- SHEET KEYNOTES**
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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

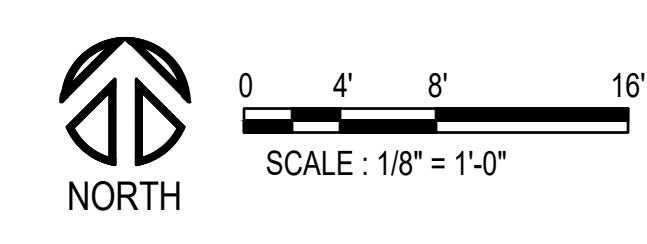
Sheet Title:  
 ELECTRICAL THIRD FLOOR DEMO RCP - WEST

Revisions:

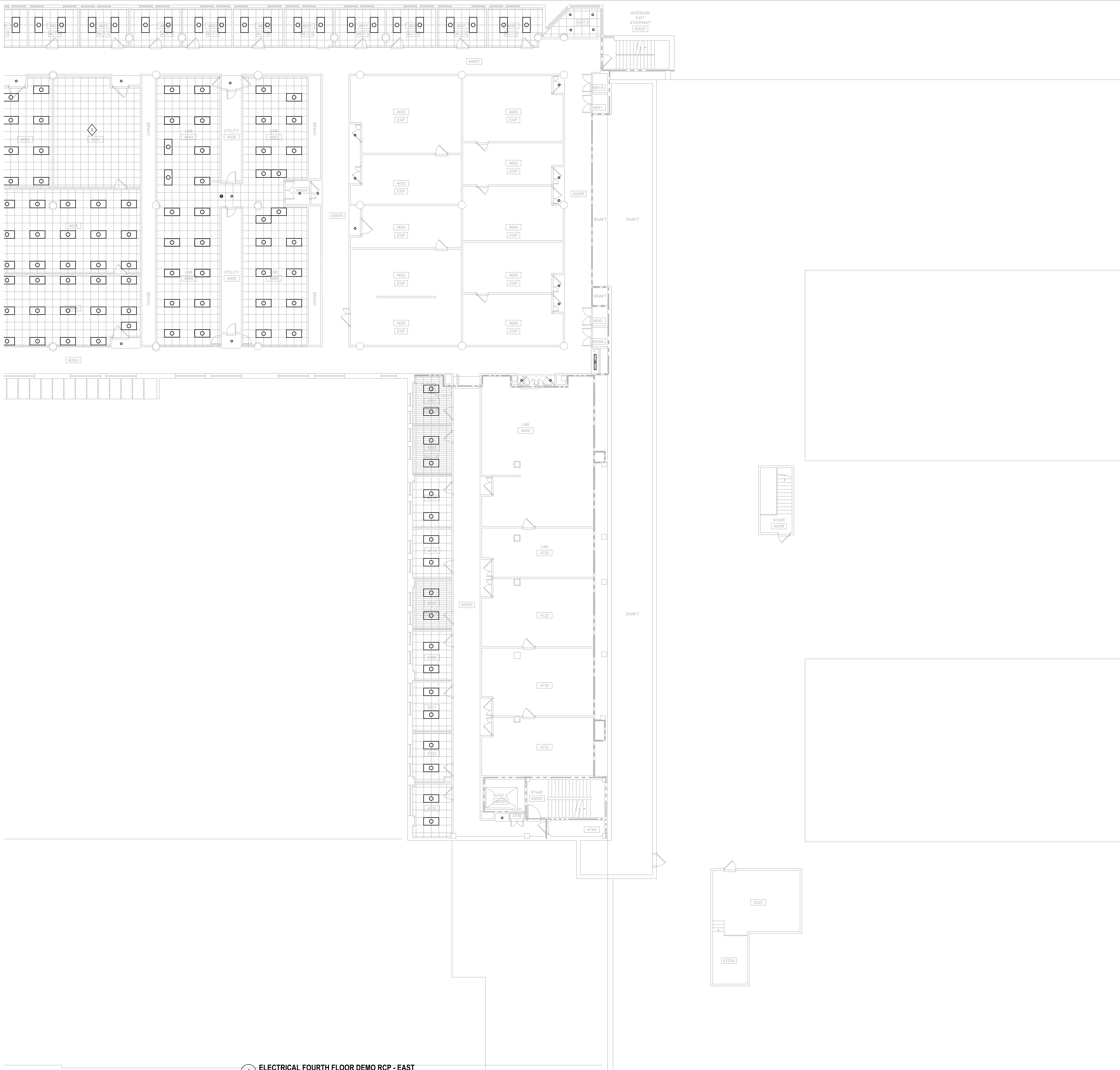
No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Issued	04/16/2024
Sheet Number	<b>ED113.2</b>

**1 ELECTRICAL THIRD FLOOR DEMO RCP - WEST**  
 SCALE: 1/8" = 1'-0"







**GENERAL NOTES**

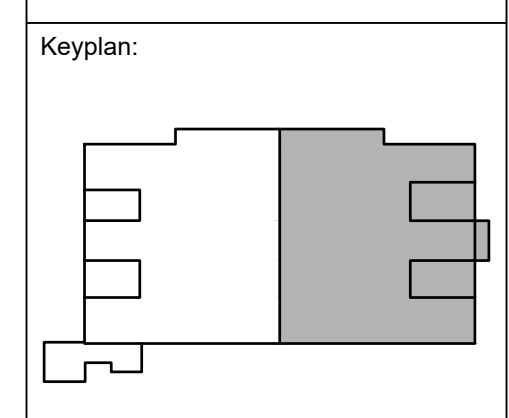
1. REFER TO SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.
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**SHEET KEYNOTES**

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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
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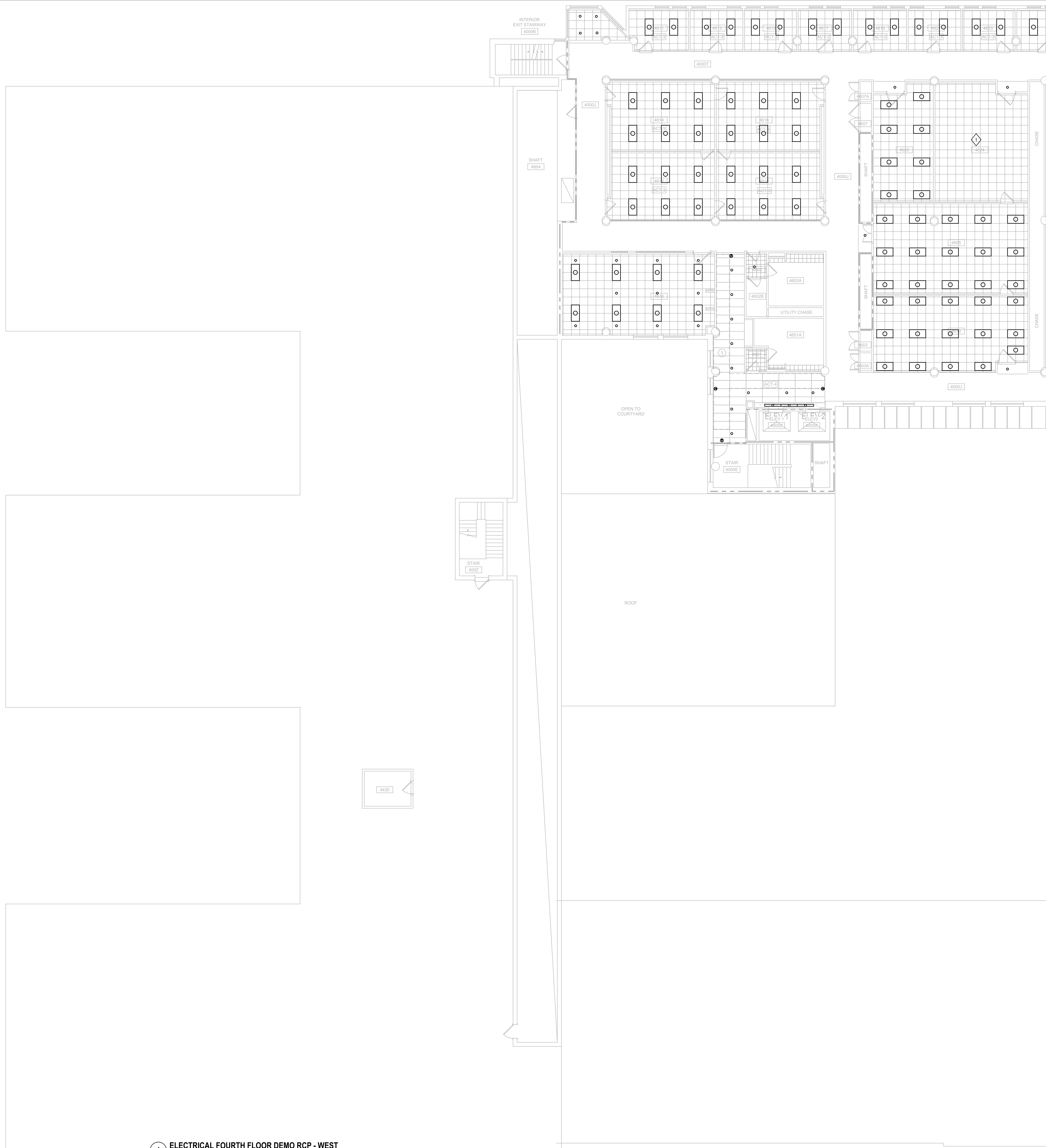
**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

Sheet Title:  
 ELECTRICAL FOURTH FLOOR DEMO RCP - EAST

Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Issued	04/16/2024



**GENERAL NOTES**

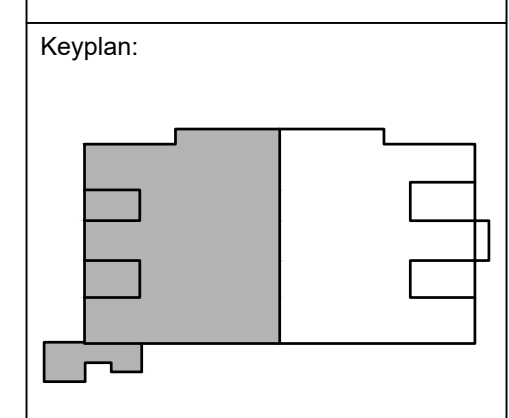
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**◆ SHEET KEYNOTES**

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The Board of Regents of the  
 University of Wisconsin on behalf of  
 the University of Wisconsin - Madison

University of Wisconsin - Madison  
 Madison, WI 53703

**UW ENGINEERING HALL SPRINKLER AND GAS PIPING PH 2**

Sheet Title:  
 ELECTRICAL FOURTH FLOOR DEMO RCP - WEST

Revisions:

No.	Date	Description
1	04/16/24	Addendum 2

UWSA Number	A-23-003
MSN Number	0408-2331
Set Type	ADDENDUM 2
Date Issued	04/16/2024

- GENERAL NOTES**
- REFER TO SHEET E001 FOR SYMBOLS AND ABBREVIATIONS.
  - REFER TO SHEET E800 FOR FIRE ALARM MATRIX.
  - CONTACT DATA NETWORK SERVICES INFRASTRUCTURE TO COORDINATE TEMPORARY RELOCATION OR REMOVAL OF WIRELESS HARDWARE THAT IS IN THE PATH OF PROJECT RELATED WORK. THE WIRELESS HARDWARE IS MONITORED AND IF DAMAGED/DISCONNECTED WITHOUT NOTICE, WILL GENERATE A PROCESS IN WHICH A TECHNICIAN WILL BE DISPATCHED FOR TROUBLESHOOTING AND REPAIR.
  - ELECTRICAL CONTRACTOR TO TAKE SPECIAL CARE A PRECAUTIONS AS TO NOT DAMAGE ANY EXISTING CAMERAS PER UW-MADISON POLICE DEPARTMENT.
  - CONTRACTOR SHALL BE FAMILIAR WITH THE EXISTING ELECTRICAL SYSTEM, WHICH WILL BE AFFECTED BY THE REMODELING WORK.
  - EXISTING BUILDING SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR SHALL OBTAIN PERMISSION FROM OWNERS REPRESENTATIVE TO SHUT OFF SERVICE OR SYSTEM, WHICH MAY AFFECT OTHER AREAS BEYOND THE LIMITS OF THE IMMEDIATE AREA. SUCH PERMISSION WILL BE GRANTED ONLY AFTER OWNERS REPRESENTATIVE IS INFORMED AS TO THE REASON FOR THE SHUTDOWN AND IS SATISFIED THAT THE SHUTDOWN CAN BE MADE WITH AS LITTLE INCONVENIENCE TO OTHER AREAS AS POSSIBLE.

- SHEET KEYNOTES**
- NEW FIRE PROTECTION WET SYSTEM WILL BE PROVIDED IN THE BASEMENT. PROVIDE (1) TAMPER SWITCH AND (1) FLOW SWITCH AT THIS LOCATION. TAMPER AND FLOW SWITCHES SHALL BE MONITORED BY THE FIRE ALARM SYSTEM FOR THE DEVICES INDICATED. SPRINKLER ZONE NAME DESIGNATED BY FIRE PROTECTION CONTRACTOR SHALL BE SAME NAME TO IDENTIFY ZONE ON THE FIRE ALARM SYSTEM. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH THE FIRE PROTECTION CONTRACTOR PRIOR TO ROUGH-IN.
  - PROVIDE TAMPER SWITCHES, PRESSURE SWITCHES AND FLOW SWITCHES AS SHOWN FOR (2) PRE-ACTION VALVES. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH THE FIRE PROTECTION CONTRACTOR PRIOR TO ROUGH-IN.
  - PROVIDE (2) PRE-ACTION RELEASING PANELS AT THIS LOCATION. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH THE FIRE PROTECTION CONTRACTOR PRIOR TO ROUGH-IN.
  - PROVIDE NEW TAMPER SWITCH AND WIRE TO EXISTING CONTROL VALVE. EXISTING CONTROL VALVE WAS INSTALLED DURING PHASE. COORDINATE EXACT REQUIREMENTS AND LOCATION WITH THE FIRE PROTECTION CONTRACTOR PRIOR TO ROUGH-IN.



