

# ADDENDUM NO. 1

AAMU Council Hall Basement Renovations

Normal, AL

## ADDENDUM NUMBER ONE (1)

DATE: September 22, 2023

**PROJECT:** AAMU Council Hall Basement Renovations  
315 Buchanan Way NE  
Normal AL, 35762  
EDT-THA Architecture Project No. 23T-16-00400

**ARCHITECT:** EDT-THA Architecture  
8514 Whitesburg Drive  
Huntsville, AL 35802  
Contact: David McClendon, Project Architect  
Office: (256) 883-8496, Direct: (256) 261-3751  
Email: [david.mcclendon@edtinc.net](mailto:david.mcclendon@edtinc.net)

**TO:** All of Record Holding Bidding Documents.

### **GENERAL:**

This Addendum forms a part of the Contract Documents and modifies the original Procurement Document "Issued for Construction" dated **June 14, 2023** as noted below. The following Conditions, Drawings, Specification changes, etc. take precedence over items in the Drawings and Specifications of the Contract Documents. Portions of the Contract Documents not changed by this Addendum remain in effect.

Bidders are advised to call attention to all sub-bidders and suppliers for any changes which may affect their work.

Acknowledge receipt of this Addendum in the space provided on the Bid (Quotation) Form. Failure to do so may subject Bidder to disqualification.

**Addendum #1** consists of a Total of **12** pages including **10** attachments.

### **ITEM No. GENERAL INFORMATION**

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#### G1-1. GENERAL NOTES TO ALL BIDDERS:

1. **CLARIFICATION:** There are no DCM or CDA fees because it is a fully-locally funded public University project with an estimated cost of \$750,000 or less.
2. **CLARIFICATION:** 90 days for completion from notice to proceed as indicated in the Invitation to Bid. No required start date. Can start as soon as possible.
3. **CLARIFICATION:** Laundry equipment (Washer/Dryer) is furnished and installed by AAMU Laundry Vender. Contractor to provide and install Folding Laundry Tables as indicated in the plans.

# ADDENDUM NO. 1

AAMU Council Hall Basement Renovations

Normal, AL

## **ITEM No. CHANGES/MODIFICATIONS TO THE ARCHITECTURAL SPECIFICATIONS**

- A1-1. SECTION 012100 - ALLOWANCES
1. **ADD** "Section 012100 – ALLOWANCES".

## **ITEM No. CHANGES/MODIFICATIONS TO THE ARCHITECTURAL DRAWINGS**

- A1-2. SHEET G-001 COVER AND INDEX
1. **REPLACE** "Sheet G-001– COVER AND INDEX" **WITH** the attached REVISED "Sheet G-001 – COVER AND INDEX".
- A1-3. SHEET AD101 BASEMENT FLOOR DEMOLITION PLAN
- ADD** new sheet "AD101 BASEMENT FLOOR DEMOLITION PLAN".
- A1-4. SHEETS AL101 and A-101
1. **CLARIFICATION:** The fire walls indicated in the drawings are existing walls and not new. These walls are shown for reference only and any penetrations shall be protected with a fire stop system with an F rating of not less than the required fire-resistance rating of the wall penetrated.
  2. **REPLACE** "Sheet A-101– BASEMENT FLOOR PLAN" **WITH** the attached REVISED "Sheet A-101 – BASEMENT FLOOR PLAN".

## **ITEM No. CHANGES/MODIFICATIONS TO THE MECHANICAL DRAWINGS**

- A1-5. SHEET M-101 MECHANICAL FLOOR PLAN
1. **REPLACE** "Sheet M-101– MECHANICAL FLOOR PLAN" **WITH** the attached REVISED "Sheet M-101– MECHANICAL FLOOR PLAN".
- A1-6. SHEET M-201 SCHEDULES & DETAILS
2. **ADD new sheet** "Sheet M-201– SCHEDULES & DETAILS".

## **ITEM No. CHANGES/MODIFICATIONS TO THE ELECTRICAL DRAWINGS**

- A1-7. SHEET E-101 ELECTRICAL FLOOR PLAN
3. **REPLACE** "Sheet E-101– ELECTRICAL FLOOR PLAN" **WITH** the attached REVISED "Sheet E-101– ELECTRICAL FLOOR PLAN".

END OF ADDENDUM

SECTION 012100 - ALLOWANCES

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements governing allowances.
- B. Types of allowances include the following:
  - 1. Contingency allowances.

1.2 SELECTION AND PURCHASE

- A. At the earliest practical date after award of the Contract, advise Architect of the date when final selection, or purchase and delivery, of each product or system described by an allowance must be completed by the Owner to avoid delaying the Work.
- B. At Architect's request, obtain proposals for each allowance for use in making final selections. Include recommendations that are relevant to performing the Work.
- C. Purchase products and systems selected by Architect from the designated supplier.

1.3 ACTION SUBMITTALS

- A. Submit proposals for purchase of products or systems included in allowances in the form specified for Change Orders.

1.4 INFORMATIONAL SUBMITTALS

- A. Submit invoices or delivery slips to show actual quantities of materials delivered to the site for use in fulfillment of each allowance.
- B. Submit time sheets and other documentation to show labor time and cost for installation of allowance items that include installation as part of the allowance.
- C. Coordinate and process submittals for allowance items in same manner as for other portions of the Work.

1.5 CONTINGENCY ALLOWANCES

- A. Use the contingency allowance only as directed by Architect for Owner's purposes and only by Change Orders that indicate amounts to be charged to the allowance.
- B. Contractor's overhead, profit, and related costs for products and equipment ordered by Owner under the contingency allowance are included in the allowance and are not part of the Contract

Sum. These costs include delivery, installation, taxes, insurance, equipment rental, and similar costs.

- C. Change Orders authorizing use of funds from the contingency allowance will include Contractor's related costs and reasonable overhead and profit.
- D. At Project closeout, credit unused amounts remaining in the contingency allowance to Owner by Change Order.

#### 1.6 ADJUSTMENT OF ALLOWANCES

- A. Allowance Adjustment: To adjust allowance amounts, prepare a Change Order proposal based on the difference between purchase amount and the allowance, multiplied by final measurement of work-in-place where applicable. If applicable, include reasonable allowances for cutting losses, tolerances, mixing wastes, normal product imperfections, and similar margins.
  - 1. Include installation costs in purchase amount only where indicated as part of the allowance.
  - 2. If requested, prepare explanation and documentation to substantiate distribution of overhead costs and other markups.
  - 3. Submit substantiation of a change in scope of Work, if any, claimed in Change Orders related to unit-cost allowances.
  - 4. Owner reserves the right to establish the quantity of work-in-place by independent quantity survey, measure, or count.
- B. Submit claims for increased costs because of a change in scope or nature of the allowance described in the Contract Documents, whether for the purchase order amount or Contractor's handling, labor, installation, overhead, and profit.
  - 1. Do not include Contractor's or subcontractor's indirect expense in the Change Order cost amount unless it is clearly shown that the nature or extent of Work has changed from what could have been foreseen from information in the Contract Documents.
  - 2. No change to Contractor's indirect expense is permitted for selection of higher- or lower-priced materials or systems of the same scope and nature as originally indicated.

#### PART 2 - PRODUCTS (Not Used)

#### PART 3 - EXECUTION

##### 3.1 EXAMINATION

- A. Examine products covered by an allowance promptly on delivery for damage or defects. Return damaged or defective products to manufacturer for replacement.

3.2 PREPARATION

- A. Coordinate materials and their installation for each allowance with related materials and installations to ensure that each allowance item is completely integrated and interfaced with related work.

3.3 SCHEDULE OF ALLOWANCES

- A. Allowance No. 1: Contingency Allowance: Include the sum of \$15,000: Include for unknown conditions during demolition and construction.
  - 1. This allowance includes material cost receiving, handling, and installation and Contractor overhead and profit.

END OF SECTION 012100

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AAMU Council Hall Basement Renovations

Normal, AL



ARCHITECT:

EDT-THA ARCHITECTURE  
JENNIFER THORINGTON-HINES, AIA  
218 RANDOLPH AVENUE SE, SUITE A  
HUNTSVILLE, ALABAMA 35801  
256.883.8496

MECHANICAL &  
PLUMBING :

TOTAL DESIGN ENGINEERING  
STEPHEN CLANTON, PE  
3408 6TH AVENUE SW  
HUNTSVILLE, ALABAMA 35805  
256.539.8585

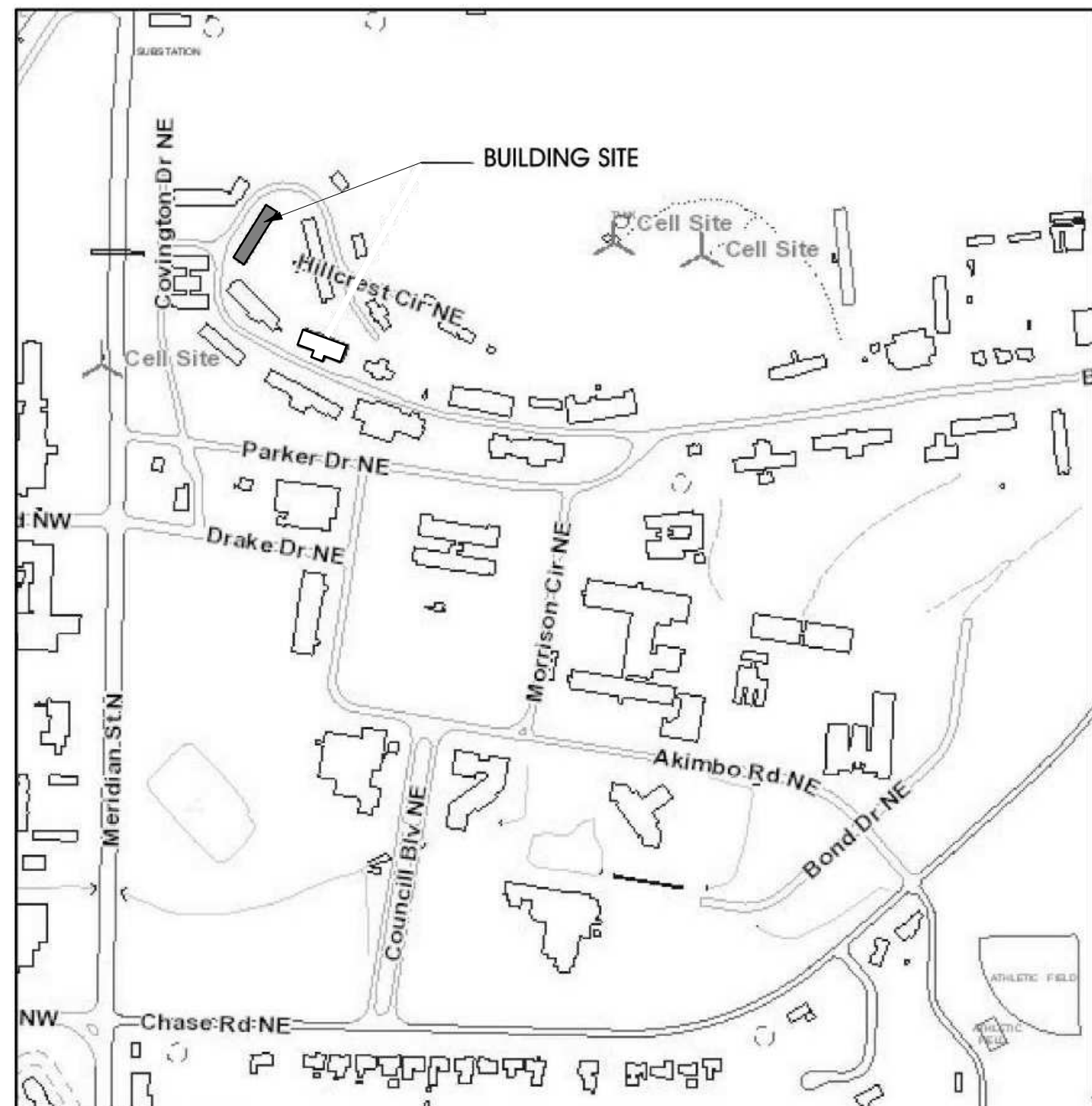
ELECTRICAL:

TOTAL DESIGN ENGINEERING  
ANDREW MINOR, PE  
3408 6TH AVENUE SW  
HUNTSVILLE, ALABAMA 35805  
256.539.8585

AAMU - COUNCILL HALL  
BASEMENT RENOVATIONS

315 BUCHANAN WAY NE  
NORMAL, AL 35762

VICINITY MAP



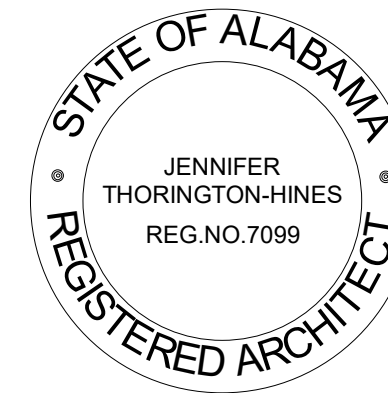
| INDEX OF DRAWINGS |            |
|-------------------|------------|
| Sheet Number      | SHEET NAME |

|                  |                                |
|------------------|--------------------------------|
| 00_GENERAL       |                                |
| G-001            | COVER AND INDEX                |
| G-002            | STANDARDS                      |
| AL 101           | LIFE SAFETY FLOOR PLAN         |
| 05_ARCHITECTURAL |                                |
| AD101            | BASEMENT FLOOR DEMOLITION PLAN |
| A-101            | BASEMENT FLOOR PLAN            |
| 07_PLUMBING      |                                |
| P-101            | PLUMBING FLOOR PLAN            |
| 08_MECHANICAL    |                                |
| M-101            | MECHANICAL FLOOR PLAN          |
| M-201            | MECHANICAL SCHEDULES & DETAILS |
| 09ELECTRICAL     |                                |
| E-101            | ELECTRICAL FLOOR PLAN          |



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AAMU - COUNCILL HALL  
BASEMENT RENOVATIONS  
OWNER: AAMU  
PROJECT ADDRESS: 315 BUCHANAN WAY NE  
NORMAL, AL 35762

ISSUE DATE  
6-14-2023

ISSUED  
FOR CONSTRUCTION

DCM (BC) NUMBER  
2023472  
PROJECT NUMBER  
23T-16-00400

| REVISIONS |                |           |
|-----------|----------------|-----------|
| No.       | Description    | Date      |
| 1         | CLARIFICATIONS | 9-22-2023 |

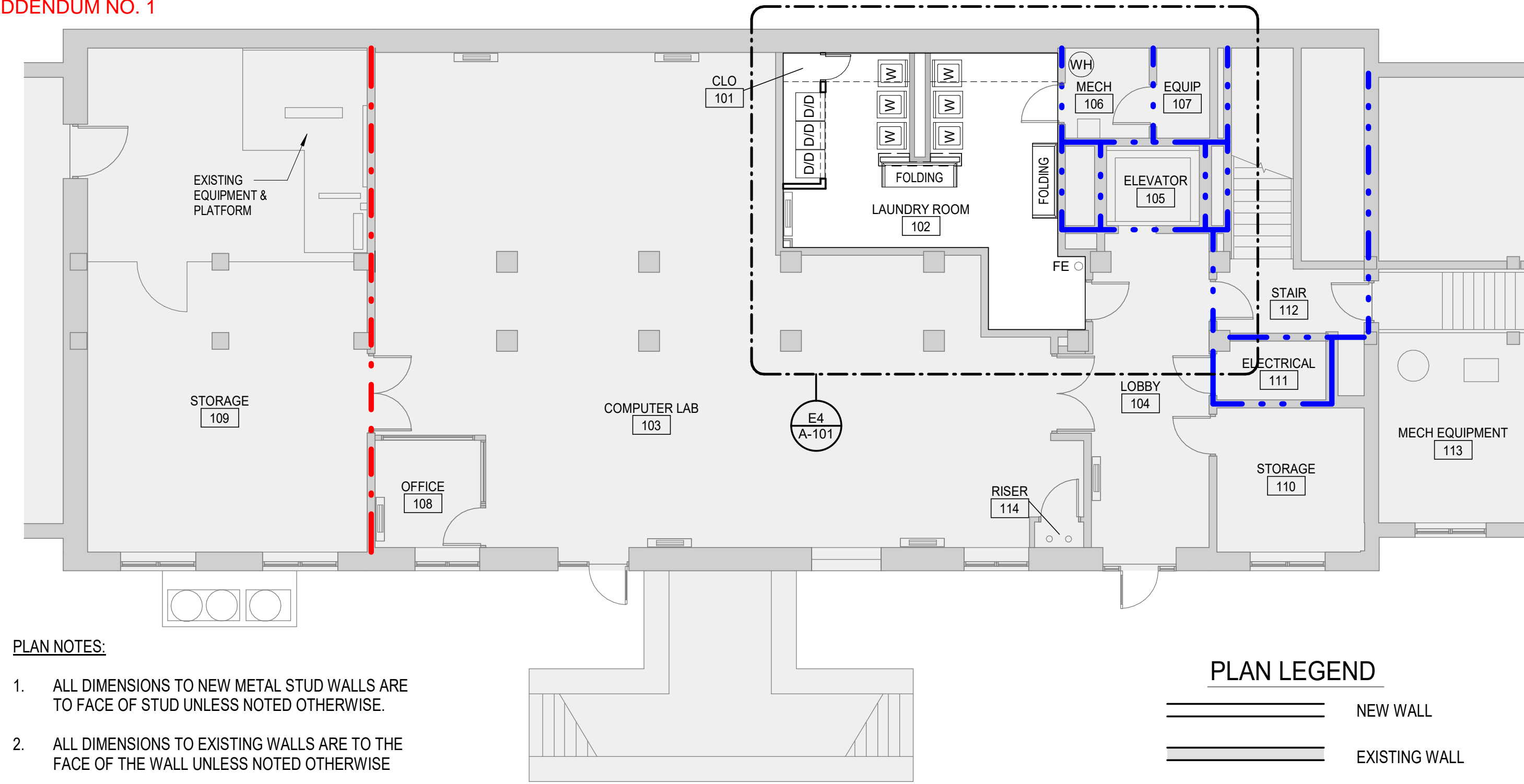
DRAWING TITLE  
COVER AND  
INDEX

DRAWING NO.  
G-001

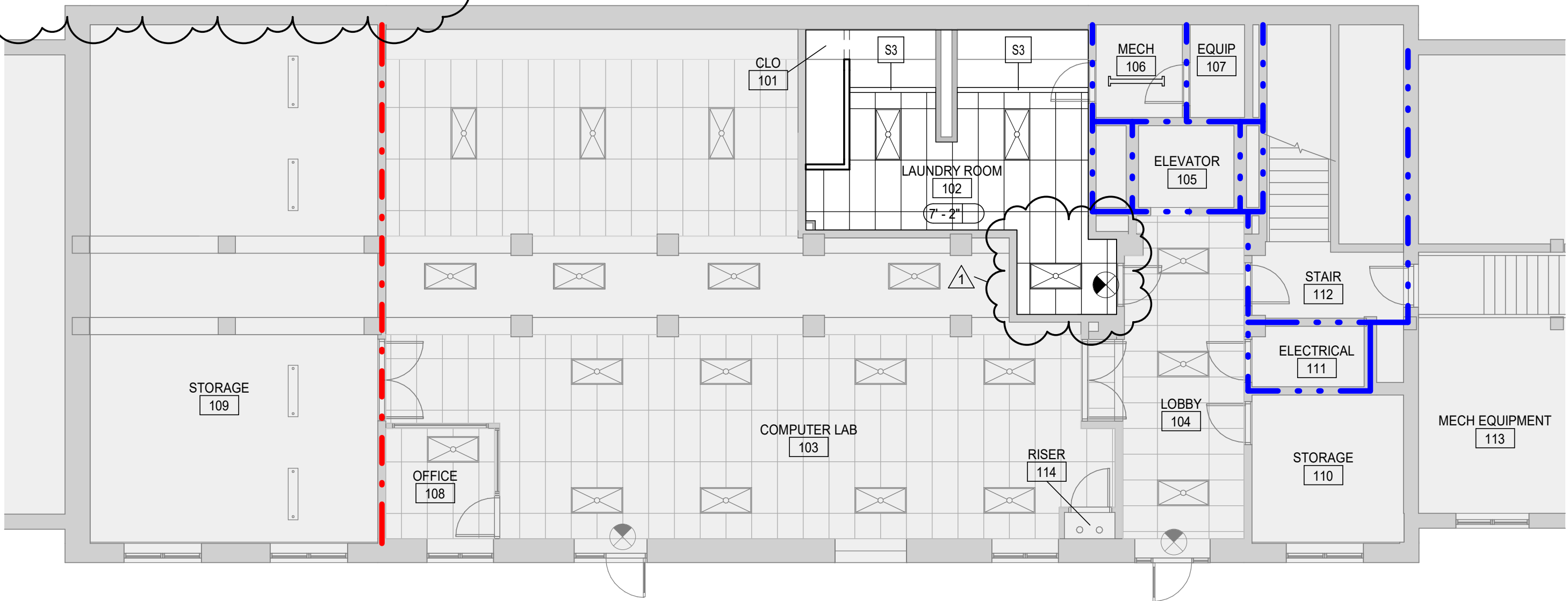


9/22/2023 4:52:21 PM C:\Users\davidm\Documents\AAMU Council Hall\_V23\_CF\_ARCH\_david.mcdendon@edthinc.net.rvt  
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ADDENDUM NO. 1



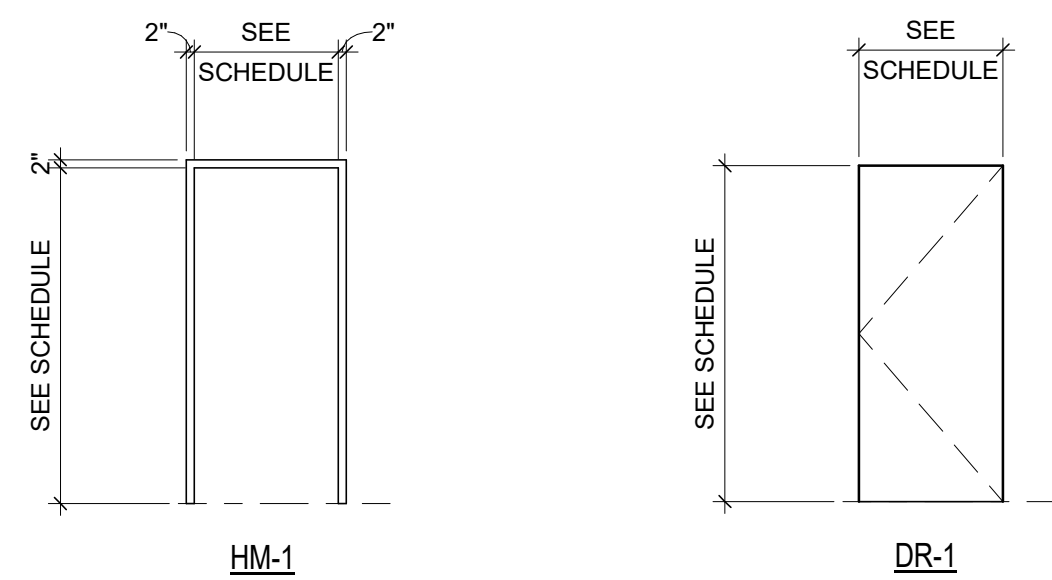
**FLOOR PLAN**  
BASEMENT FLOOR PLAN  
1/8" = 1'-0"  
0 2' 4' 8' 16'



**PLAN**  
BASEMENT REFLECTED CEILING PLAN  
1/8" = 1'-0"  
0 2' 4' 8' 16'

### DOOR SCHEDULE

| DOOR NUMBERS | DOOR |         |         |             |      |        | FRAME    |      |        | DETAILS |         |      | HDWR SET | COMMENTS                |                    |
|--------------|------|---------|---------|-------------|------|--------|----------|------|--------|---------|---------|------|----------|-------------------------|--------------------|
|              | TYPE | WIDTH   | HEIGHT  | THK         | MATL | FINISH | TYPE     | MATL | FINISH | HEAD    | JAMB    | SILL |          |                         |                    |
| FIRST FLOOR  |      |         |         |             |      |        |          |      |        |         |         |      |          |                         |                    |
| 101          | DR-1 | 2' - 0" | 6' - 1" | 0' - 1 3/4" | HM   | PT-3   | HM-1     | HM   | PT-3   | A7/A101 | A7/A101 | N/A  | 1.0      | ⚠️ ADDED EXISTING DOORS |                    |
| E102         | EXT  | 3' - 0" | 7' - 0" | 0' - 1 3/4" | HM   | PT-3   | EXISTING | HM   | PT-3   | N/A     | N/A     | N/A  | N/A      |                         | EXISTING TO REMAIN |
| E106         | EXT  | 3' - 0" | 7' - 0" | 0' - 1 3/4" | HM   | PT-3   | EXISTING | HM   | PT-3   | N/A     | N/A     | N/A  | N/A      |                         | EXISTING TO REMAIN |



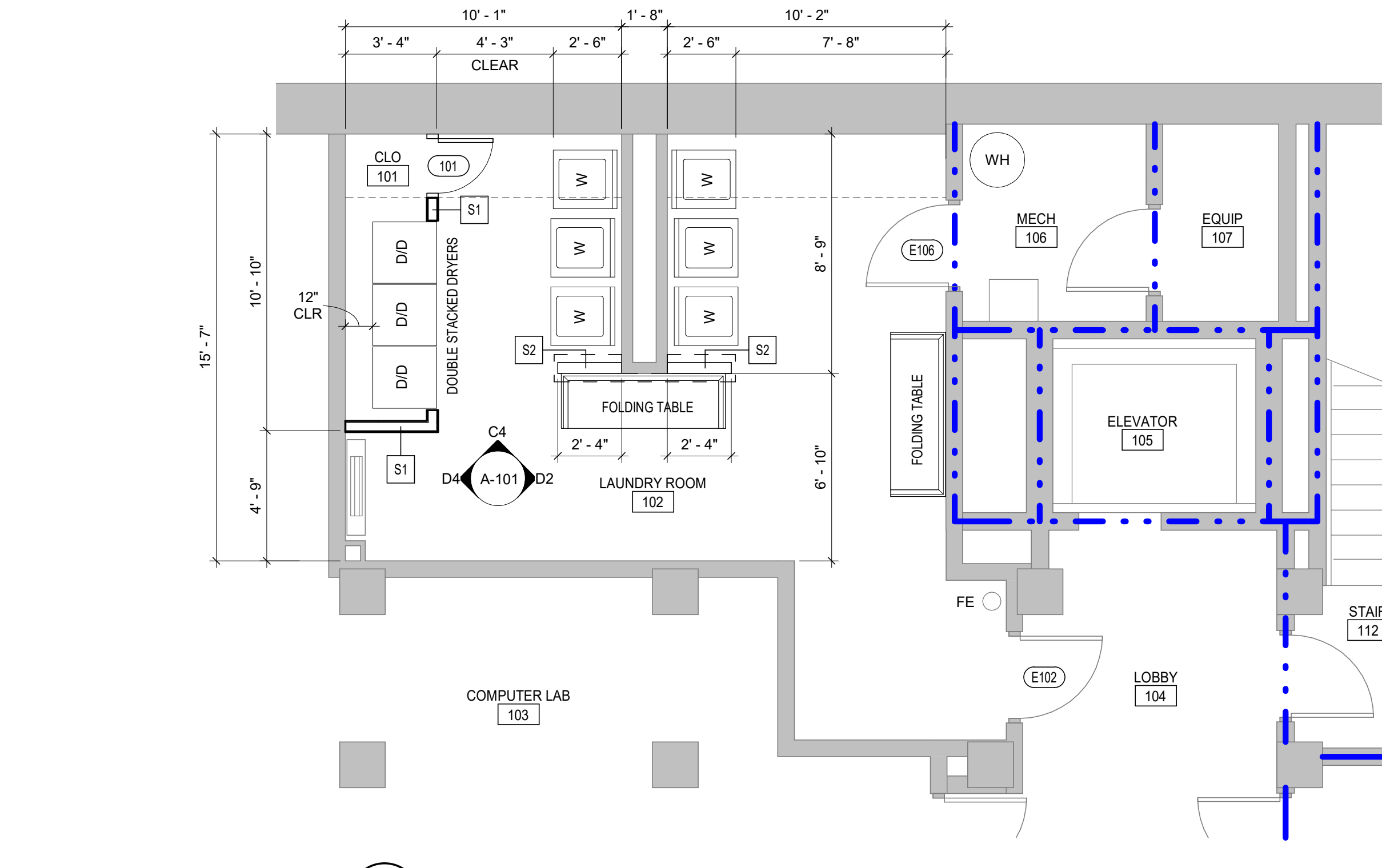
**FRAME TYPE ELEVATION**

**DOOR TYPE ELEVATION**

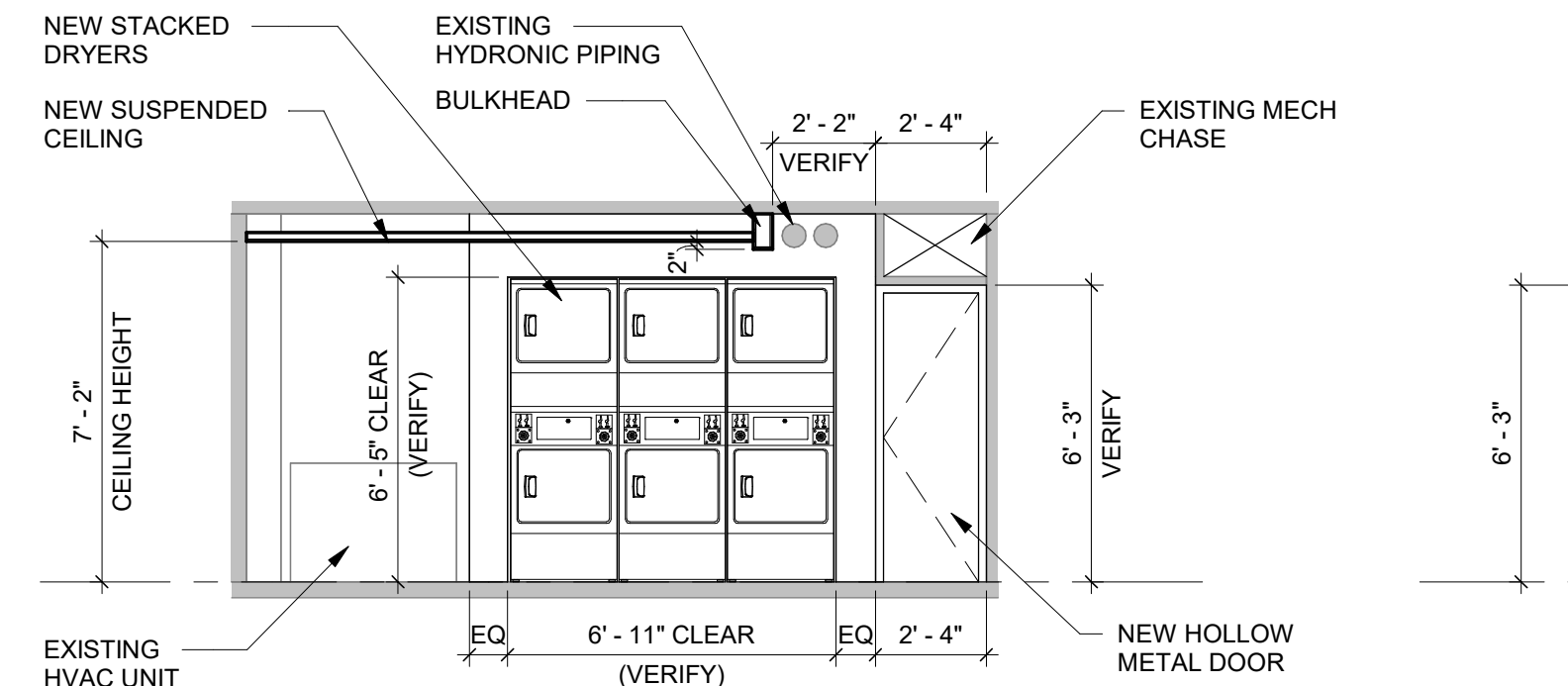
**DETAIL**  
INTERIOR HM DOOR HEAD/JAMB DETAIL  
1 1/2" = 1'-0"  
0 2' 4' 8' 16'

### DOOR MATERIAL LEGEND

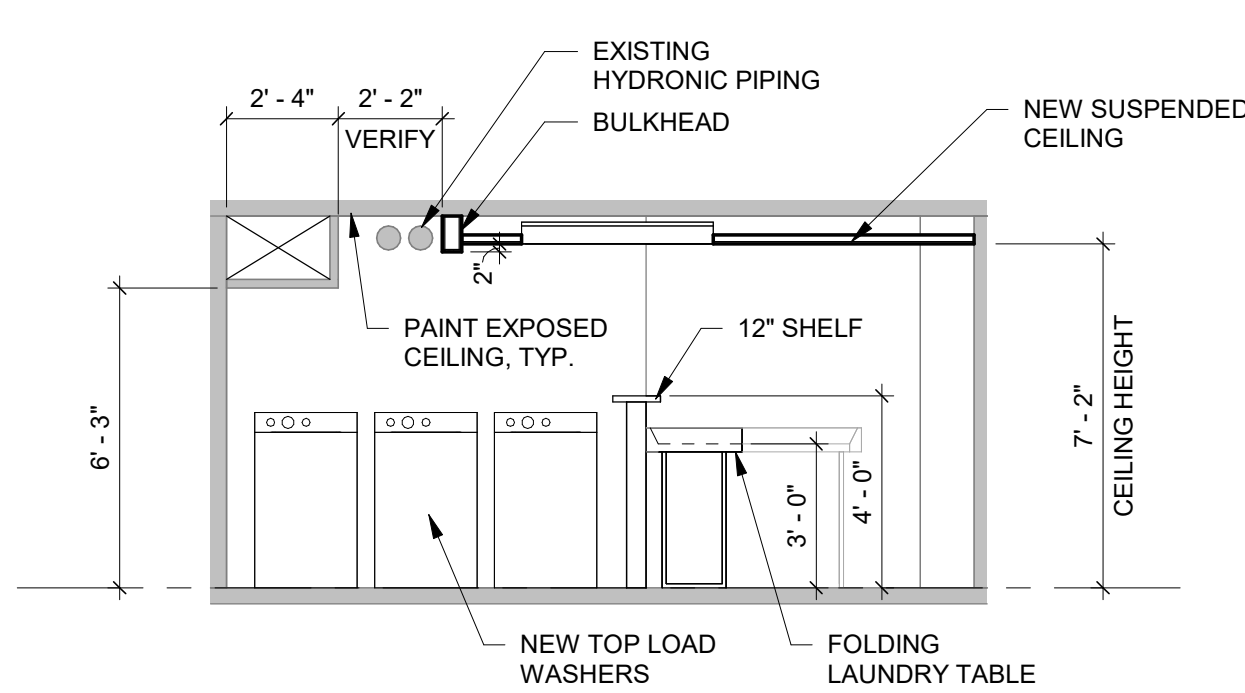
| MARK     | DESCRIPTION                     |
|----------|---------------------------------|
| HM       | HOLLOW METAL (DOOR OR FRAME)    |
| PT       | PAINT FINISH, SEE FINISH LEGEND |
| N/A      | NOT APPLICABLE                  |
| EXISTING | EXISTING TO REMAIN              |



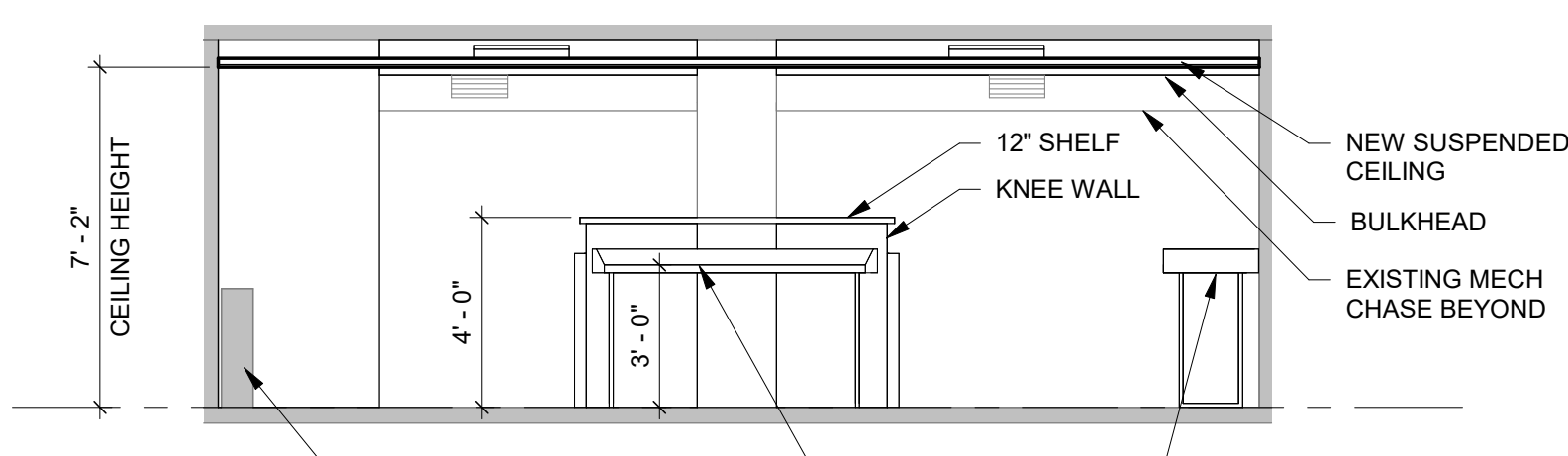
**PLAN ENLARGEMENT**  
LAUNDRY ROOM  
1/4" = 1'-0"  
(REF. SHEET A-101)  
0 1' 2' 4' 8'



**D4 INTERIOR ELEV**  
AT STACKED DRYERS  
1/4" = 1'-0"  
(REF. SHEET A-101)  
0 1' 2' 4' 8'



**D2 INTERIOR ELEV**  
AT WASHERS  
1/4" = 1'-0"  
(REF. SHEET A-101)  
0 1' 2' 4' 8'



**C4 INTERIOR ELEV**  
AT FOLDING TABLE  
1/4" = 1'-0"  
(REF. SHEET A-101)  
0 1' 2' 4' 8'

**FOLDING LAUNDRY TABLES**  
BASIS OF DESIGN:  
MANUF: SOL-O-MATIC (OR APPROVED EQUAL)  
MODEL: TFD-246  
MATERIAL: FIBERGLASS  
SIZE: 24"X72"

### WALL TYPE LEGEND

- S1** PARTITION WALL 3 5/8" METAL STUDS, 16" O.C. WITH 5/8" GYP BD EACH SIDE. WALLS GO TO STRUCTURE ABOVE.
- S2** KNEE WALL 3 5/8" METAL STUDS, 16" O.C. WITH 5/8" GYP BD EACH SIDE. REFER TO INTERIOR ELEVATION FOR HEIGHT.
- S3** BULKHEAD - 3 5/8" METAL STUDS, 16" O.C. WITH 5/8" GYP BD EACH SIDE AND BOTTOM OF WALL.

### FINISH LEGEND

| TAG   | MATERIAL                | MANUFACTURER     | STYLE & COLOR                                  |
|-------|-------------------------|------------------|--|
| ACT-1 | ACOUSTICAL CEILING TILE | ARMSTRONG        | MATCH EXISTING LOBBY CEILING                   |
| PT-1  | PAINT                   | SHERWIN-WILLIAMS | MATCH EXISTING COLOR AND FINISH LEVEL IN LOBBY |
| PT-2  | PAINT                   | SHERWIN-WILLIAMS | SW 7006 "EXTRA WHITE", SEMI-GLOSS              |
| PT-3  | PAINT                   | SHERWIN-WILLIAMS | MATCH EXISTING COLOR AND FINISH LEVEL IN LOBBY |
| RB-1  | RUBBER BASE             | ROPPE            | MATCH EXISTING MATERIAL & COLOR IN LOBBY       |
| VCT-1 | TILE                    | ARMSTRONG        | MATCH EXISTING MATERIAL & COLOR IN LOBBY       |

### FINISH SCHEDULE

| RM. NO. | ROOM NAME    | FINISHES |      |       |         | COMMENTS |
|---------|--------------|----------|------|-------|---------|----------|
|         |              | FLOOR    | BASE | WALLS | CEILING |          |
| 101     | CLO          | VCT-1    | RB-1 | PT-1  | PT-2    |          |
| 102     | LAUNDRY ROOM | VCT-1    | RB-1 | PT-1  | ACT-1   |          |



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## AAMU - COUNCIL HALL BASEMENT RENOVATIONS

OWNER: AAMU  
PROJECT ADDRESS: 315 BUCHANAN WAY NE  
NORMAL, AL 35762

ISSUE DATE  
6-14-2023

ISSUED  
FOR CONSTRUCTION

DCM (BC) NUMBER  
2023472  
PROJECT NUMBER  
23T-16-00400

REVISIONS  
No. Description Date  
1 CLARIFICATIONS 9-22-2023

DRAWING TITLE  
BASEMENT  
FLOOR PLAN

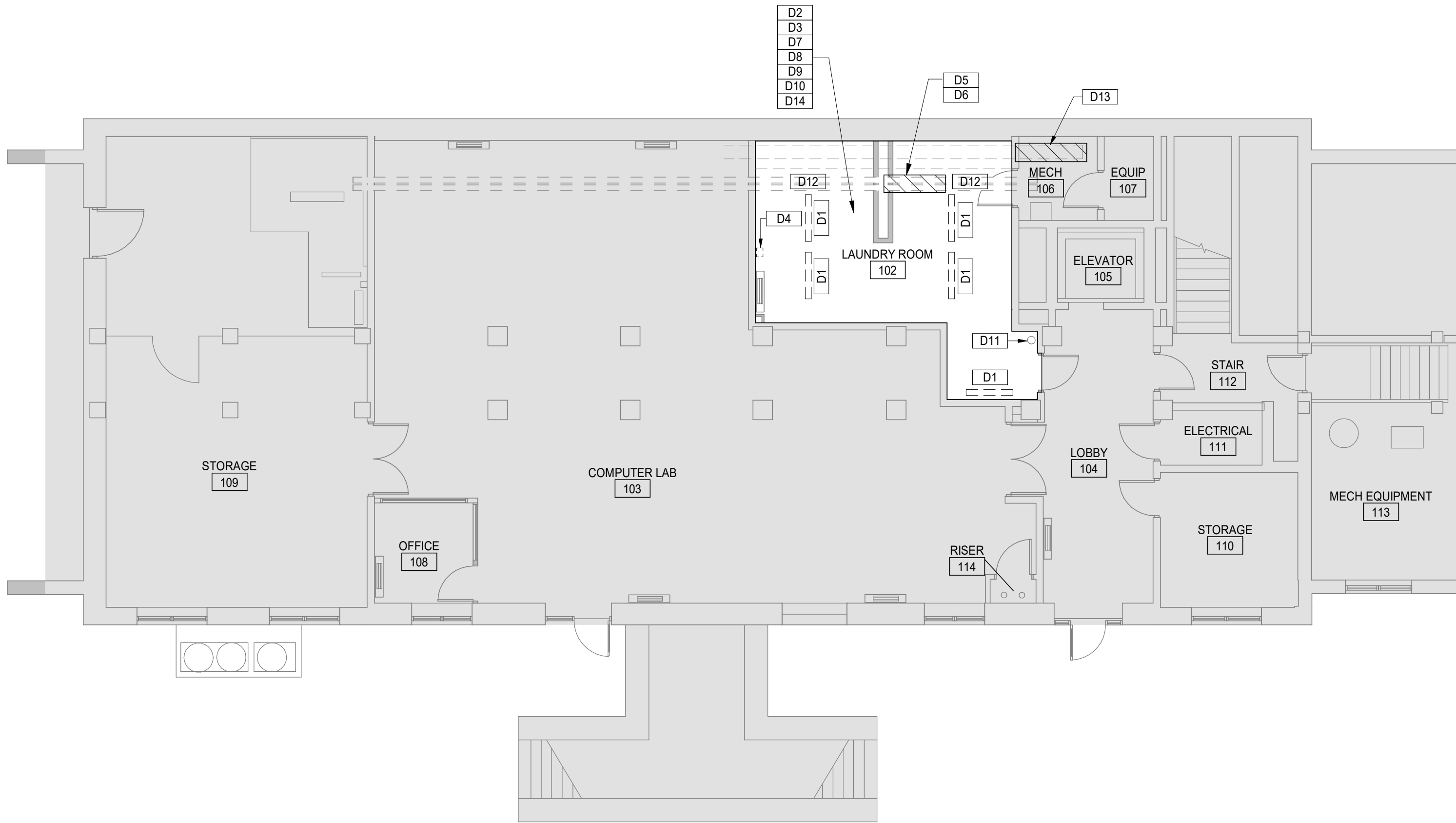
DRAWING NO.

**A-101**



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ADDENDUM NO. 1



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

- GENERAL DEMOLITION NOTES:**
1. ALL INFORMATION SHOWN IS BASED ON FIELD MEASUREMENTS AND EXISTING RECORD DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING FIELD CONDITIONS PRIOR TO BEGINNING ANY DEMOLITION. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN DRAWINGS AND ACTUAL FIELD CONDITIONS.
  2. (THIS SHEET ONLY) ITEMS SHOWN DASHED ON PLAN ARE TO BE REMOVED. ANY ITEM ATTACHED TO WALLS BEING REMOVED IS TO BE REMOVED ALSO. COORDINATE WITH OWNER FOR ANY ITEMS TO BE SALVAGED.
  3. COORDINATE WALLS / DOORS TO BE REMOVED WITH RENOVATION PLANS PRIOR TO DEMOLITION.
  4. ALL DEMOLITION WORK SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL REQUIREMENTS, INCLUDING WASTE DISPOSAL.
  5. ALL DEMOLITION & CONSTRUCTION DEBRIS TO BE HAULED OFF SITE AND LEGALLY DISPOSED OF AT A PERMITTED LOCATION.
  6. EXISTING GYPSUM BOARD WALL FINISHES WILL REMAIN IN PLACE UNLESS OTHERWISE NOTED. PATCH AND REPAIR AREAS DISTURBED BY DEMO WORK AND AREAS DAMAGED PRIOR TO DEMO WORK.
  7. EXISTING ELECTRICAL OUTLETS AND WALL SWITCHES TO REMAIN UNLESS NOTED OTHERWISE.

| LEGEND |   |
|--------|---|
|        | - EXISTING AREAS TO BE DEMOLISHED OR REPAIRED |
|        | - EXISTING TO REMAIN                          |

| KEYNOTE LEGEND |              |
|----------------|--------------|
| Key Value      | Keynote Text |

|     |  |
|-----|--|
| D1  | Demo existing light fixtures in Laundry Room 102 and replace with new light fixtures as noted on the electrical plans.   |
| D2  | Demo existing VCT in Laundry Room 102 and remove all mastic from the existing slab to ensure proper adhesion for new VCT flooring.   |
| D3  | Demo existing wall base in Laundry Room 102 and replace with new. See finish schedule.   |
| D4  | Relocate existing fire alarm devices in Laundry Room 102 as required to maintain functionality for new layout. Refer to electrical plans.  |
| D5  | Repair/Replace existing chiller piping in area of work that is damaged and leaking. Refer to mechanical plans for additional notes.  |
| D6  | Repair/Replace missing insulation on chiller piping in area of work. Refer to mechanical plans for additional notes.   |
| D7  | Patch/Repair/Replace existing drywall where damage has occurred in Laundry Room 102 in order to achieve a final finish appearance.   |
| D8  | Remove and discard all trash and debris in Laundry Room 102 that is not applicable for the completed project.  |
| D9  | Remove and Replace all existing electrical outlets, switches and cover plates in Laundry Room 102. Color: Outlets/Switches to be White and cover plates to be Brushed Stainless Steel. |
| D10 | Remove and Replace existing suspended ceiling wall angles with new.  |
| D11 | Inspect and Replace existing wall mounted fire extinguisher if applicable.   |
| D12 | Remove any existing gypsum board fragments at ceilings where it is called out to be exposed on the plans.  |
| D13 | Demo existing duct. Refer to mechanical plans for additioanal notes.   |
| D14 | Ensure all existing floor drains are cleaned out and functional.   |



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| No.       | Description    | Date      |
| 1         | CLARIFICATIONS | 9-22-2023 |

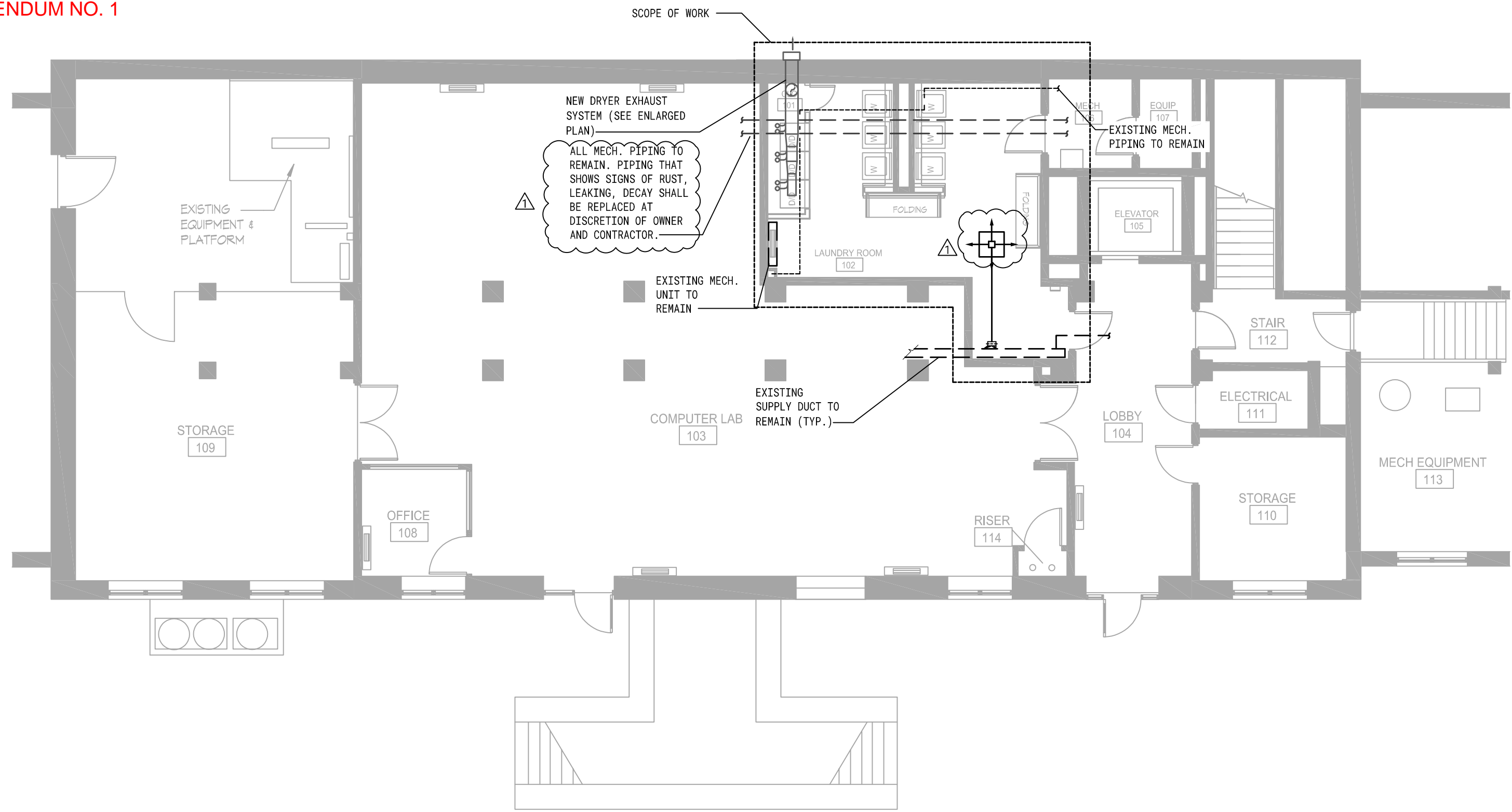
DRAWING TITLE  
BASEMENT  
FLOOR  
DEMOLITION PLAN

DRAWING NO.  
AD101

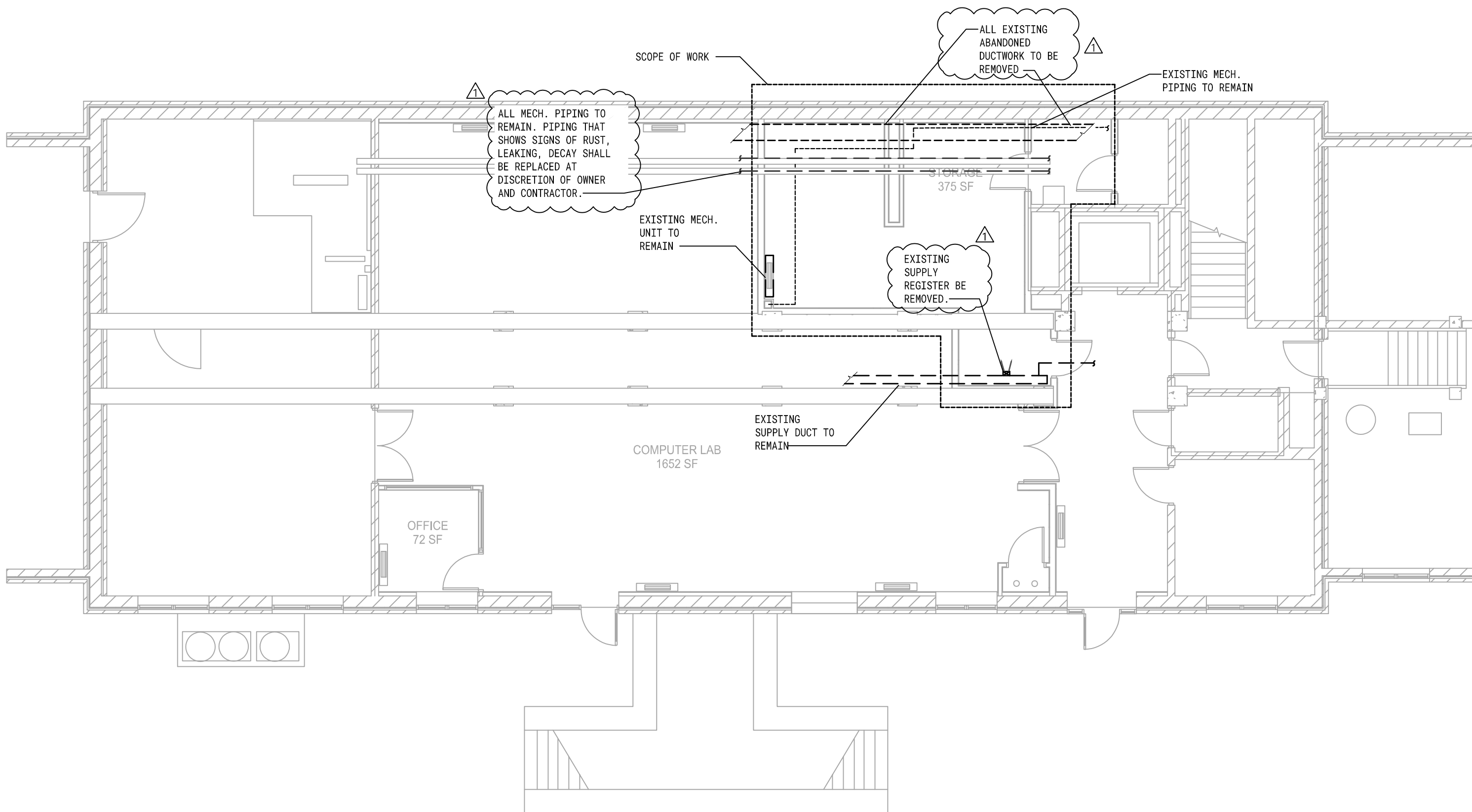


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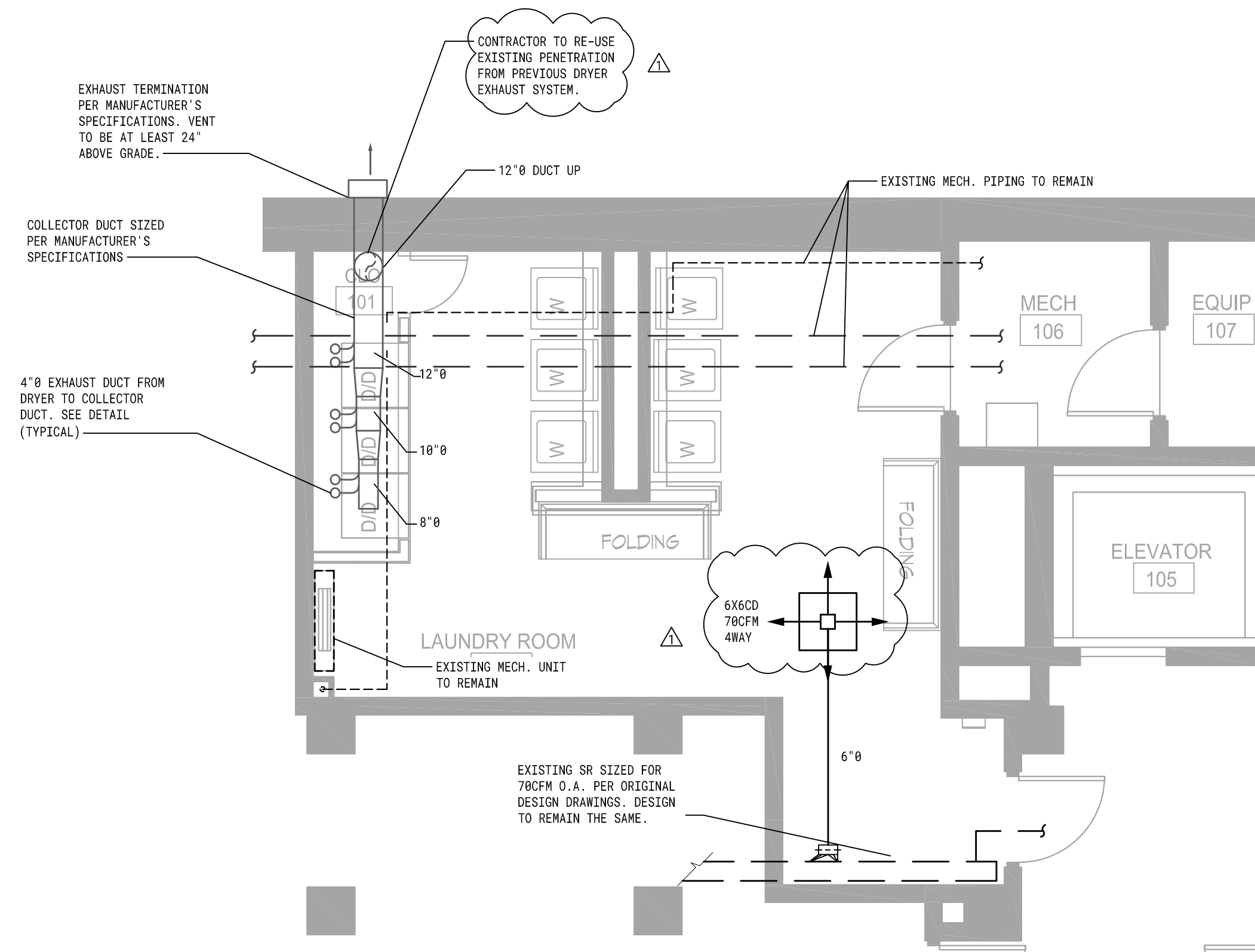
ADDENDUM NO. 1



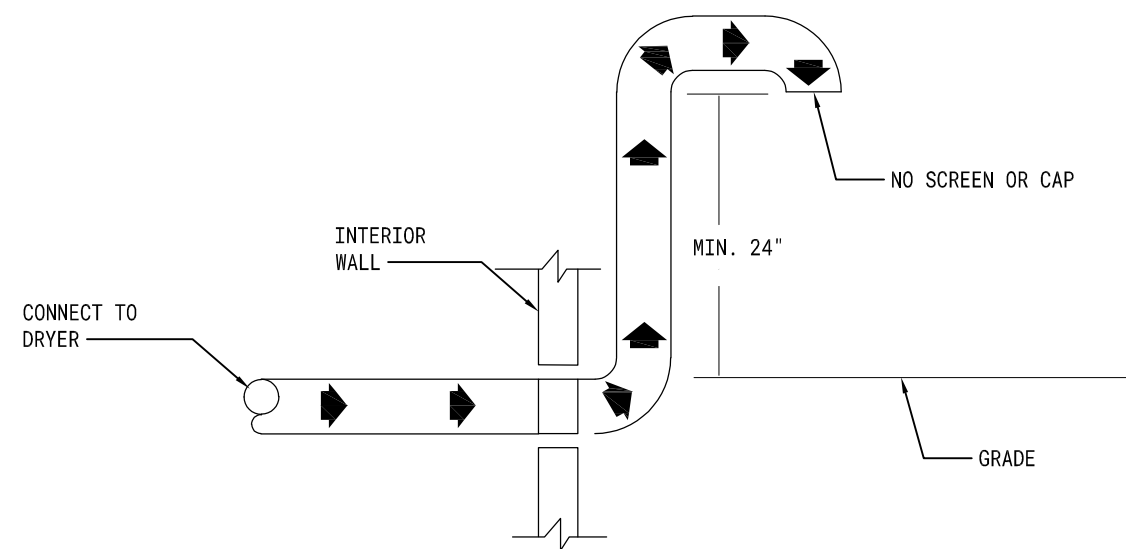
**MECHANICAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



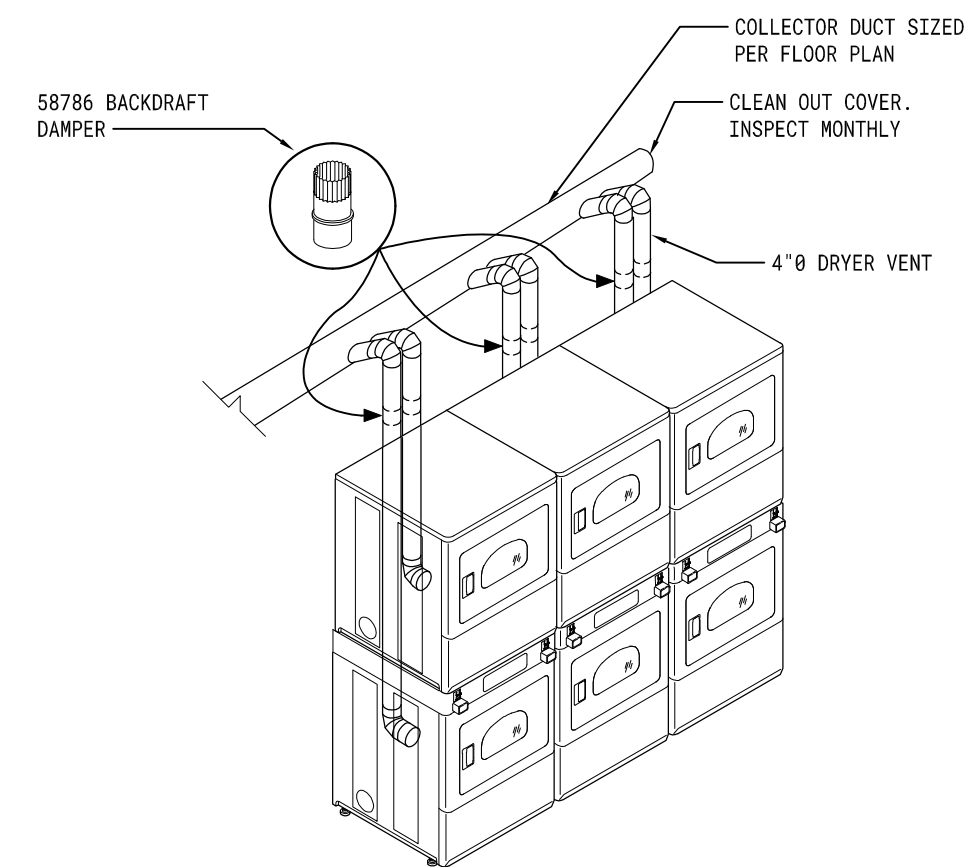
**MECHANICAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



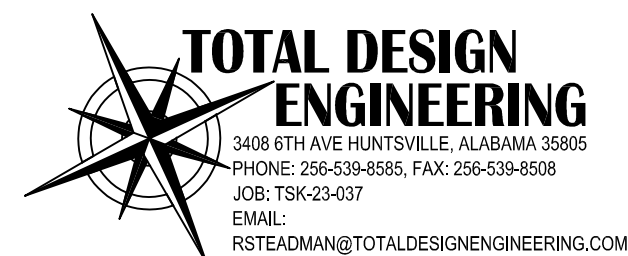
**ENLARGED MECHANICAL FLOOR PLAN**  
SCALE: 1/4" = 1'-0"



**DRYER VENT TERMINATION DETAIL**  
NOT TO SCALE

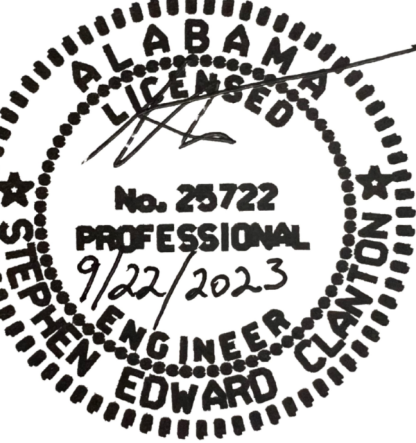


**STACK DRYER VENT DETAIL**  
NOT TO SCALE



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BASEMENT RENOVATIONS

OWNER  
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PROJECT ADDRESS  
NORMAL, AL

ISSUE DATE  
06-14-2023

ISSUED  
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BAC NUMBER

PROJECT NUMBER  
23T-16-00400

| REVISIONS | No.            | Description | Date       |
|-----------|----------------|-------------|------------|
| 1         | CLARIFICATIONS |             | 09-22-2023 |

DRAWING TITLE  
MECHANICAL  
FLOOR PLAN

DRAWING NO.  
M-101



VENTILATION AIR SCHEDULE

| SPACE/ROOM NO. | AREA (SF) | ZONE POPULATION | OUTDOOR AIR (CFM/PERSON) | OUTDOOR AIR (CFM/SF) | BREATHING ZONE OA FLOW (CFM) | ZONE DISTRIBUTION EFFECTIVENESS | ZONE OA FLOW (CFM) | ZONE PRIMARY FLOW (CFM) | CALCULATED PRIMARY OA FRACTION | SYSTEM VENTILATION EFFICIENCY | OCCUPANT DIVERSITY | REQUIRED OA FLOW (CFM) |
|----------------|-----------|-----------------|--------------------------|----------------------|------------------------------|---------------------------------|--------------------|-------------------------|--------------------------------|-------------------------------|--------------------|------------------------|
| LAUNDRY 182    | 350       | 4               | 5                        | .12                  | 63                           | 1.0                             | 63                 | 225                     | .10                            | 1                             | 1                  | 63                     |
| TOTALS         | 350       |                 |                          |                      |                              |                                 |                    | 225                     |                                |                               |                    | 63                     |

REGISTER, GRILLE & DIFFUSER SCHEDULE

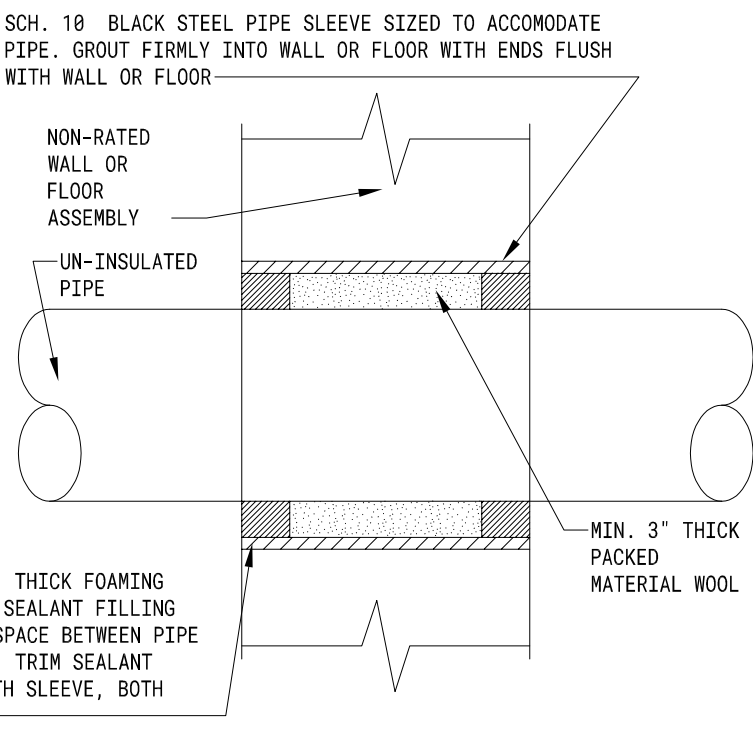
| SYM: | TYPE:            | MANUFACTURER: | MODEL:  | REMARKS:                    |
|------|------------------|---------------|---------|-----------------------------|
| CD   | CEILING DIFFUSER | TITUS         | TDCAA-3 | BAKED WHITE W/VOLUME DAMPER |

NOTES:

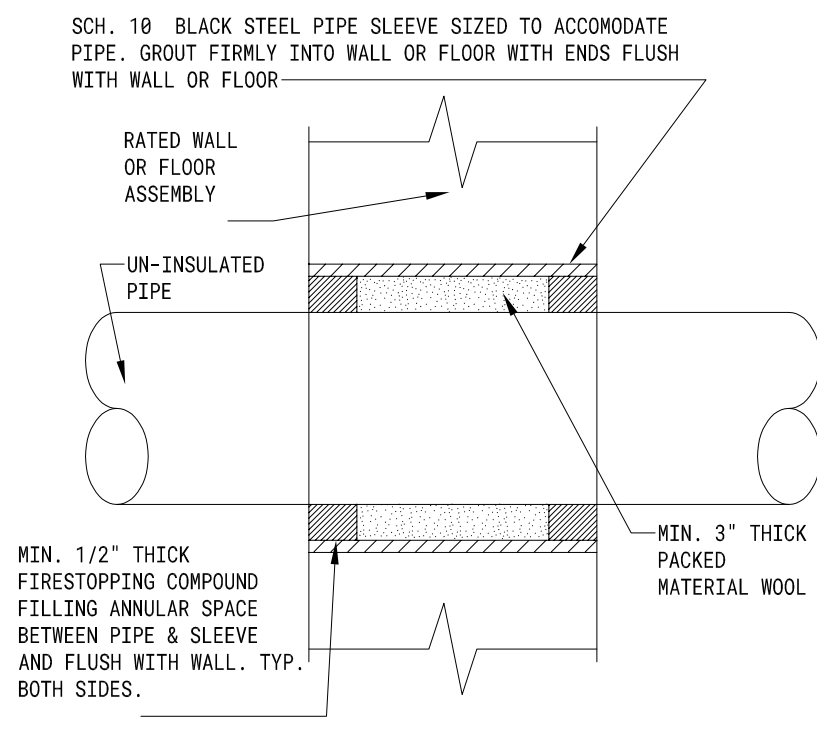
1. REGISTERS, GRILLES & DIFFUSERS HAVE BEEN SPECIFIED AS TITUS TO ESTABLISH QUALITY. EQUAL PRODUCTS WILL BE CONSIDERED AT DISCRETION OF MECHANICAL ENGINEER.
2. COORDINATE WITH ARCHITECTURAL SHEETS & OWNER FOR COLOR OPTIONS OF ALL REGISTERS, GRILLES & DIFFUSERS, PRIOR TO ORDERING.
3. COORDINATE WITH ELECTRICAL SHEETS, AND ARCHITECTURAL SHEETS FOR EXACT CEILING TYPE, PRIOR TO ORDERING.

MECHANICAL NOTES

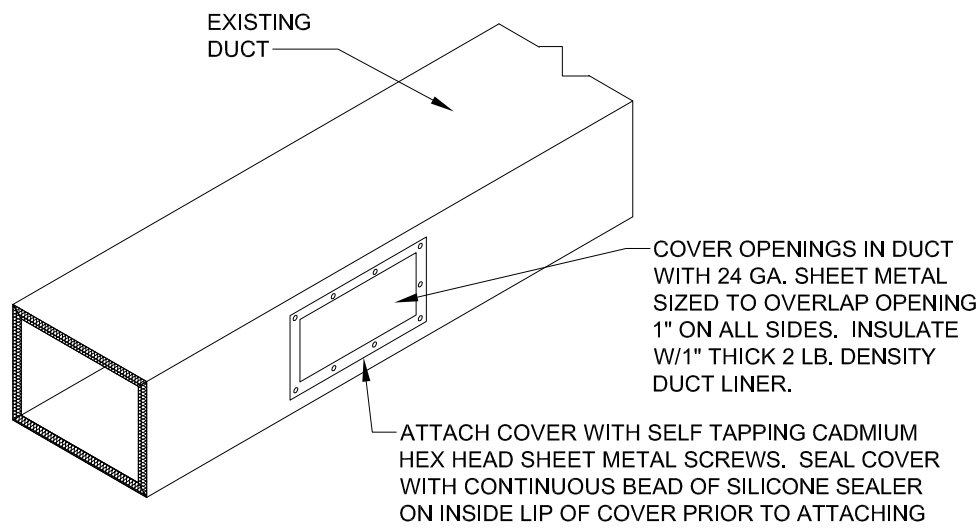
1. DUCT SIZES ARE BASED ON FREE AREA OPENING. SUPPLY DUCTS LOCATED IN INTERIOR UNCONDITIONED SPACES SHALL HAVE AN INSULATION RATING OF NO LESS THAN R-6. SUPPLY AND RETURN DUCTS LOCATED IN EXTERIOR AREAS SHALL HAVE AN INSULATION RATING OF NO LESS THAN R-8. EXTERIOR INSULATION (IF USED) SHALL INCLUDE A VAPOR BARRIER. THE CONTRACTOR WILL ADJUST ACCORDINGLY TO COMPENSATE FOR DUCT LINER (IF USED). ROUND AND RECTANGULAR EQUIVALENT DIMENSIONS ARE ALLOWABLE.
2. THE CONTRACTOR SHALL SELECT DIFFUSERS WITH A NOISE CRITERIA RATING OF NO GREATER THAN NC 40 BASED ON THE SPECIFIED FLOWRATES. DIFFUSERS SHALL CONSIDER THROW AND DROP PERFORMANCE TO PROVIDE APPROPRIATE COVERAGE TO THE CONDITIONED AREAS. ALL DIFFUSERS SHALL PROVIDE FOR ADJUSTABLE FLOWRATE; CONTRACTOR SHALL BE RESPONSIBLE FOR BALANCING TO DESIGN FLOWRATES.
3. ALL 90 DEG. ELBOWS SHALL INCLUDE TURNING VANES.
4. INSTALL A SMOKE DETECTOR IN THE RETURN DUCTS AND SUPPLY DUCTS PRIOR TO FRESH AIR INTAKE UPON ACTIVATION THE SMOKE DETECTOR SHALL SHUT DOWN THE AHU. THE DUCT SMOKE DETECTOR SHALL ALSO BE CONNECTED TO A FIRE ALARM SYSTEM IF SYSTEM IS REQUIRED BY CODE WHICH UPON ACTIVATION SHALL ACTIVATE A VISIBLE AND AUDIBLE SIGNAL. DUCT DETECTORS TO BE INSTALLED ON ALL UNITS OVER 2000 CFM, AND ALL UNITS THAT SERVE EGRESS CORRIDORS.
5. MECHANICAL CONTRACTOR TO COORDINATE EXACT LOCATION OF DIFFUSERS AND REGISTERS WITH GRID AND LIGHTS.
6. MECHANICAL CONTRACTOR TO TIE SUPPLY AND RETURN DIFFUSERS AND GRILLES TO CEILING GRID OR STRUCTURE.
7. REFERENCE TO SPECIFIC MANUFACTURERS ARE USED IN TO ESTABLISH MINIMUM PERFORMANCE REQUIREMENTS AND QUALITY. OTHER MANUFACTURER'S WITH EQUAL OR BETTER QUALITY EQUIPMENT ARE ALLOWED TO SUBSTITUTE THEIR PRODUCTS. EQUAL MANUFACTURER'S WILL BE CONSIDERED AT DISCRETION OF ENGINEER.
8. ALL TAKE-OFFS SHALL INCLUDE MANUAL DAMPERS. BALANCE TO DESIGN FLOWRATES BY MECHANICAL CONTRACTOR.
9. DUCTS PENETRATING WALLS OR PARTITIONS HAVING A FIRE RESISTANCE RATING OF 1 BUT LESS THAN 3 HOURS SHALL INCLUDE FIRE DAMPERS AT THE PENETRATION. DAMPERS SHALL HAVE A FIRE RESISTANCE RATING NO LESS THAN 1.5 HR. USE OF STATIC RATED DAMPERS IS ACCEPTABLE SINCE SYSTEM IS DESIGNED FOR AUTOMATIC SHUTDOWN IN CASE OF FIRE/SMOKE.
10. CONTRACTOR TO APPLY PAINT GRIP FINISH TO ALL EXPOSED DUCTWORK THAT WILL READILY ACCEPT A FIELD PAINTED FINISH. THIS INCLUDES ALL HANGARS, DRIVES, AND ACCESSORIES. COORDINATE WITH OWNER.
11. ALL MECHANICAL PIPING MUST BE INSULATED.
12. ALL DUCTS AND PIPING INDICATED ON THE DRAWINGS ARE DIAGRAMMATIC ONLY. THEY MAY BE REQUIRED TO BE SHIFTED, OFFSET, OR INSTALLED HIGH IN BETWEEN THE JOISTS AS DETERMINED BY FIELD CONDITIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL MATERIALS AND LABOR NECESSARY TO INSTALL THE PIPING AND DUCTS TO MEET THE DESIGN INTENT ON THE DRAWINGS.
13. ROUTE DUCT AND PIPING AS HIGH AS POSSIBLE. COORDINATE WITH OTHER TRADES AND OFFSET WHERE IN CONFLICT WITH OTHER TRADES. CERTAIN AREAS WILL REQUIRE EXTENSIVE COORDINATION BETWEEN ALL TRADES. CONTRACTOR(S) SHALL COORDINATE PRIOR/DURING CONSTRUCTION TO ELIMINATE ANY CONFLICTS.
14. CONTRACTOR SHALL NOT FABRICATE OR CONSTRUCT DUCTWORK, PIPING, ETC, FROM THE DRAWINGS PRIOR TO VERIFYING DUCT, PIPING, ETC., CAN BE INSTALLED IN THE FIELD WITH RESPECT TO FIELD CONDITIONS.



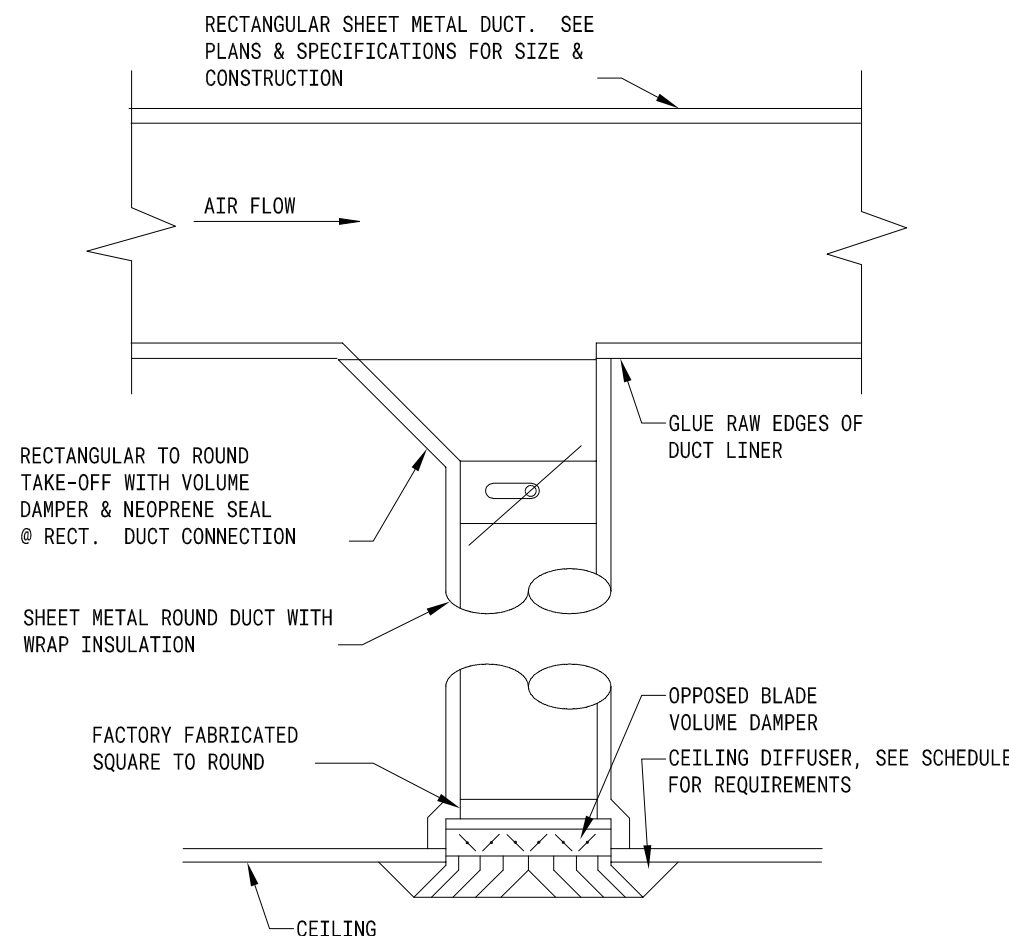
NON-RATED  
PIPE SLEEVE DETAIL  
NOT TO SCALE



RATED: U.L. LISTING C-AJ-1009  
PIPE SLEEVE DETAIL  
NOT TO SCALE



DUCT REMOVAL DETAIL  
NOT TO SCALE



DIFFUSER DUCTING DETAIL  
NOT TO SCALE



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AAMU - COUNCILL HALL  
BASEMENT RENOVATIONS

OWNER  
AAMU  
PROJECT ADDRESS  
NORMAL, AL

ISSUE DATE  
06-14-2023

ISSUED  
FOR CONSTRUCTION

BAC NUMBER

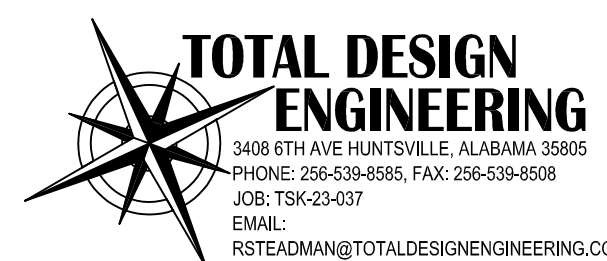
PROJECT NUMBER  
23T-16-00400

REVISIONS  
No. Description Date  
1 CLARIFICATIONS 09-22-2023

DRAWING TITLE  
MECHANICAL  
SCHEDULES &  
DETAILS

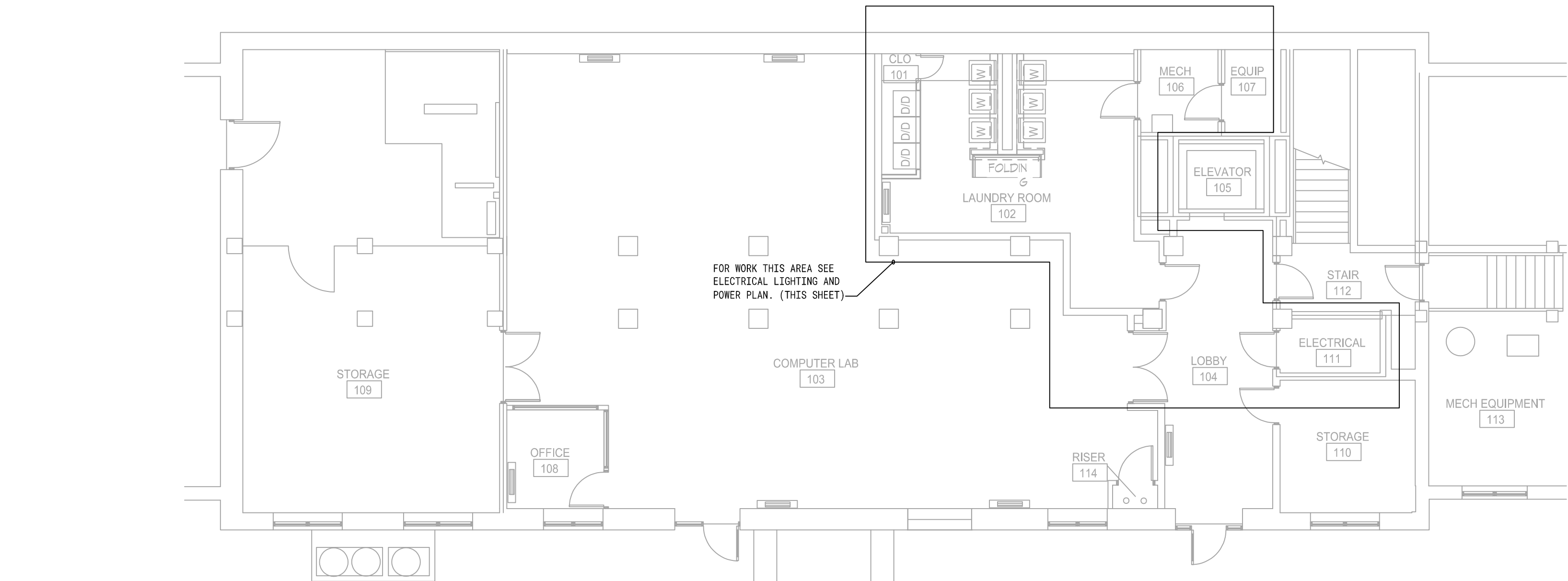
DRAWING NO.

M-201

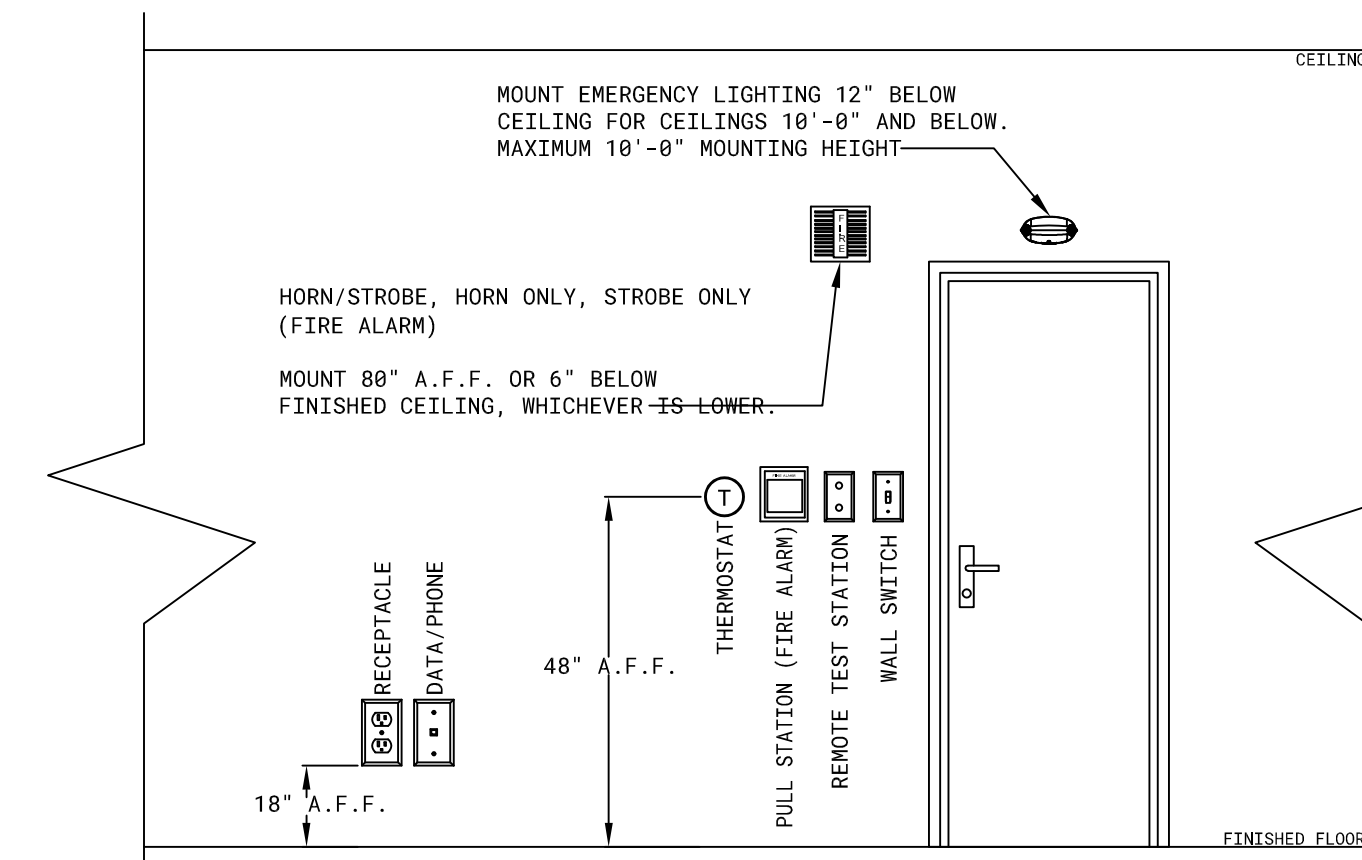


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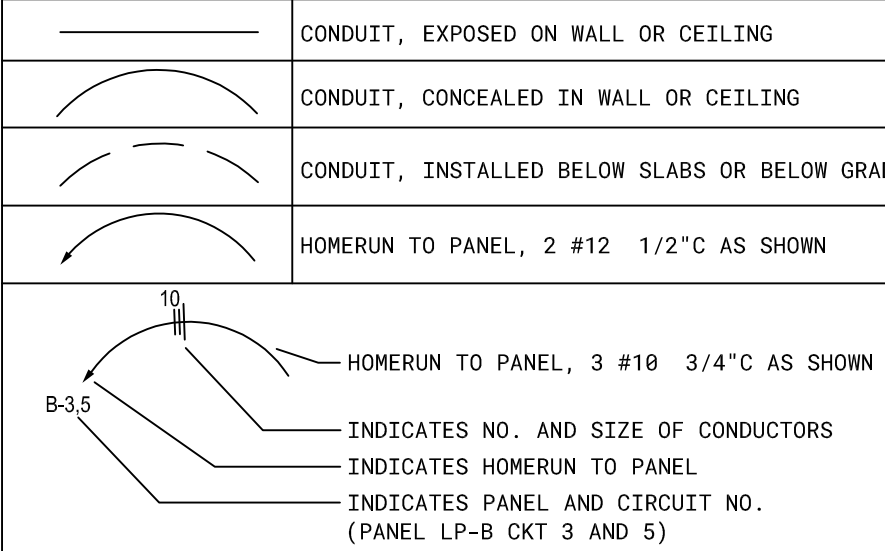


- ### ELECTRICAL NOTES
- ALL NECESSARY NEW ELECTRICAL EQUIPMENT REQUIRED FOR THE WORK PROPOSED SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS NOTED OTHERWISE AS BEING PROVIDED BY OWNER.
  - THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS.
  - THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS AND CERTIFICATES OF INSPECTION FOR ALL WORK.
  - WIRING WHICH PENETRATES FIRE RESISTANT WALLS SHALL BE ENCLOSED IN ELECTRICAL METALLIC TUBING (EMT), UNLESS UL LISTED FOR USE IN THROUGH PENETRATION SYSTEMS. EMT SHALL BE FIRE STOPPED USING APPROVED SEALANTS, CAULKING MATERIALS OR FOAM TO MAINTAIN FIRE RESISTANCE RATINGS. SEAL ALL ROOF PENETRATIONS WEATHER TIGHT PER LOCAL CODE. REQUEST INSPECTION BEFORE AND AFTER ANY THROUGH FIRE WALL PENETRATIONS.
  - METAL CLAD TYPE MC WIRING (WITH GALV. OR ALUMINUM ARMOR) MAY BE USED ABOVE CEILING AREAS PER N.E.C. ARTICLE 336.
  - LOCATION OF ELECTRICAL EQUIPMENT IS DIAGRAMMATIC AND SHOWS THE DESIGN INTENT ONLY. CONTRACTOR SHALL COORDINATE WITH PLANS OF ALL OTHER DISCIPLINES AND THEIR INSTALLERS FOR THE EXACT LOCATION OF ALL EQUIPMENT. PULL BOXES OR J-BOXES, THOUGH NOT SHOWN ON PLANS, SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
  - ALL ITEMS INCIDENTAL AND OR REQUIRED TO COMPLETE THE INSTALLATION SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.
  - ALL ELECTRICAL EQUIPMENT, INCLUDING CONDUIT AND WIRING SHALL BE NEW AND UNUSED UNLESS NOTED OTHERWISE.
  - RECESSED FIXTURES SHALL MAINTAIN A 3" MINIMUM CLEARANCE TO ADJACENT COMBUSTIBLE MATERIALS UNLESS LABELED AS "IC RATED".
  - ALL CIRCUIT RUNS SHALL BE IDENTIFIED WITHIN EACH J-BOX WITH THE PROPER CIRCUIT NUMBER/DESCRIPTION OF EACH CIRCUIT ENTERING THE J-BOX. LABEL J-BOXES AND CONDUITS WITH PANDUIT CORP. INSTA-CODE PIPE MARKERS OR AN ENGINEER APPROVED EQUIVALENT.
  - PROVIDE CIRCUIT I.D. ON THE INSIDE OF ALL RECEPTACLES, CONSISTENT WITH EXISTING METHODS.
  - FITTINGS TO BE SET SCREW STEEL TYPE UTILIZING AN INSULATED THROAT.
  - THE CONTRACTOR SHALL RECORD ON AS-BUILT DRAWINGS ALL SIZES, MATERIAL, ELEVATIONS AND/OR LOCATIONS OF ALL ELECTRICAL EQUIPMENT THAT DEVIATE FROM THESE DRAWINGS.
  - REPAIR AREAS DAMAGED DURING CONSTRUCTION TO MATCH ADJACENT AREAS WITH RESPECT TO BOTH COLOR AND FINISH.
  - IDENTIFY BRANCH CIRCUITS AT THE PANEL AND AT THE LOAD OUTLET, RECEPTACLE AND SWITCH. IDENTIFY THE PURPOSE OF INDIVIDUAL CIRCUIT BREAKERS, AND SAFETY SWITCHES BY MEANS OF NAMEPLATES.
  - MAINTAIN SERVICE CLEARANCE AROUND PANELBOARDS PER N.E.C. ARTICLES 110.26 AND 110.34.
  - PROVIDE CIRCUIT BREAKERS WITH UL LISTED INTERRUPTING RATINGS (RMS SYMMETRICAL AMPERES) GREATER THAN THE AVAILABLE FAULT CURRENT SHOWN ON ELECTRICAL ONE LINE DIAGRAM OR EQUAL RATING AS ELECTRICAL PANEL.
  - ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR ELECTRICAL POWER CONNECTIONS TO ALL OWNER FURNISHED FIXTURES.
  - PROVIDE AND CONNECT ALL CONTROL WIRING REQUIRED FOR THE PROPER OPERATION OF THE MECHANICAL SYSTEMS, EXCEPT WHERE SPECIFICALLY SHOWN OTHERWISE ON THE DRAWINGS OR SPECIFIED. REFER TO MECHANICAL DRAWING CONTROL DIAGRAMS AND MECHANICAL EQUIP. SHOP DRAWINGS.
  - PROVIDE ALL TEMPORARY POWER AND LIGHTING DURING CONSTRUCTION.
  - AT THE TIME OF SHOP DRAWINGS SUBMITTAL CLEARLY MARK ALL DISCREPANCIES BETWEEN SHOP DRAWINGS AND BID DOCUMENTS.



**TYP. MOUNT HEIGHTS DETAIL**  
NOT TO SCALE

### CONDUIT & CONDUCTORS



- SHORT HASH MARKS INDICATE NUMBER OF HOT & SWITCH LEG CONDUCTORS.
- LONG HASH MARKS INDICATE NUMBER OF NEUTRAL CONDUCTORS.
- SIZE CONDUIT PER N.E.C. LATEST EDITION UNLESS NOTED OTHERWISE.
- PROVIDE N.E.C. LATEST EDITION GROUND CONDUCTOR SIZE IN ALL CONDUIT RUNS.
- CONDUIT USED FOR AREAS ON BUILDING EXTERIOR SHALL BE RIGID GALVANIZED STEEL CONDUIT ONLY. UNDERGROUND SHALL BE PVC SCH. 40 OR SCH. 80 UNLESS OTHERWISE NOTED ON DRAWING.
- ALL WIRE SHALL BE SOLID COPPER, #12 AWG MINIMUM TYPE THHN/THWN INSULATION RATED 75°C MIN. 600 VOLTS UNLESS OTHERWISE NOTED.
- WIRE SIZES LARGER THAN #12 AWG TO BE STRANDED COPPER.
- ALL CIRCUITS TO INCLUDE GROUND WIRES.
- PROVIDE A PULL STRING IN ALL EMPTY DATA OUTLET CONDUITS OF NYLON, BRAIDED POLYESTER OR PROPLENE (1089 TEST), INSTALLED WITH 12" SLACK AT EACH END OF THE CONDUIT RUN.
- INSTALL AN INSULATED EQUIPMENT GROUNDING CONDUCTOR IN EACH RACEWAY OR CONDUIT. SIZE EQUIPMENT GROUNDING CONDUCTOR IN ACCORDANCE WITH N.E.C. TABLE 250.66.
- CONDUITS SHALL BE ROUTED PARALLEL OR PERPENDICULAR TO WALLS AND/OR CEILING WHEREVER POSSIBLE. ROUTE NO CONDUITS DIRECTLY BENEATH AND PARALLEL TO MECHANICAL PIPING.
- VOLTAGE DROP: FOR 28A CIRCUITS OVER 100 FEET AND LESS THAN 175 FEET USE #10 CONDUCTORS. FOR 28A CIRCUITS OVER 175 FEET AND LESS THAN 275 FEET, USE #8 CONDUCTORS.

### ABBREVIATIONS

|        |                                  |        |                 |
|--------|----------------------------------|--------|-----------------|
| 1PH    | SINGLE PHASE                     | GA     | GAGE            |
| 3PH    | THREE PHASE                      | G      | GROUND          |
| 3W     | THREE WIRE                       | JBOX   | JUNCTION BOX    |
| 4W     | FOUR WIRES                       | KV     | KILOVOLT        |
| A.F.F. | ABOVE FINISHED FLOOR             | KVA    | KILOVOLT AMPERE |
| AIC    | AMPERE INTERRUPTING CAPACITY     | M.B.   | MAIN BREAKER    |
| AMP    | AMPERE                           | M.L.O. | MAIN LUG ONLY   |
| BKR    | CIRCUIT BREAKER                  | REC    | RECEPTACLE      |
| C      | CONDUIT                          | WP     | WEATHERPROOF    |
| CU     | COPPER                           | XFMR   | TRANSFORMER     |
| DISC   | DISCONNECT SWITCH                |        |                 |
| FC     | FOOT CANDLE                      |        |                 |
| GFCI   | GROUND FAULT CIRCUIT INTERRUPTER |        |                 |

### EXISTING 225 AMP 208/120V 3 PHASE PANEL

| PANEL   |       | MAIN              |      |       | BRANCHES |      |          |      |            |              |        |            | NOTES:                  |    |  |
|---|-------|-------------------|------|-------|----------|------|----------|------|------------|--------------|--------|------------|-------------------------|----|--|
| PP-B  |       | 225 AMP CM.B. MLO |      |       | ONE POLE |      | TWO POLE |      | THREE POLE |              | SPARES |            | **GFCI BREAKER REQUIRED |    |  |
| EXISTING  |       | LOADS (kVA):      |      |       | QTY      | AMPS | QTY      | AMPS | QTY        | AMPS         | QTY    | AMPS       |                         |    |  |
| <input type="checkbox"/> NF 480/277V 3Ø 18K AIC<br><input type="checkbox"/> NF 480/277V 1Ø 18K AIC<br><input type="checkbox"/> NQ 2Ø8/12ØV 3Ø 22K AIC<br><input type="checkbox"/> 24Ø/12ØV 3Ø 22K AIC<br><input type="checkbox"/> NQ 24Ø/12ØV 1Ø 22K AIC<br><input type="checkbox"/> 0Ø 24Ø/12ØV 1Ø 22K AIC<br><input type="checkbox"/> NEMA 1 -- SURFACE<br><input type="checkbox"/> NEMA 1 -- FLUSH<br><input type="checkbox"/> NEMA 3R |       | LIGHTING          |      |       | --       | --   | --       | --   | --         | --           | --     | --         |                         |    |  |
|   |       | GEN. POWER        |      |       | 44.32    | --   | --       | --   | --         | --           | --     | SPACES     |                         |    |  |
|   |       | HVAC              |      |       | --       | --   | --       | --   | --         | --           | --     | QTY AMPS   |                         |    |  |
|   |       | NEW CONN. TOTAL   |      |       | --       | --   | --       | --   | --         | --           | --     | TOTAL CKTS |                         |    |  |
|   |       |                   |      |       | --       | --   | --       | --   | --         | --           | --     | --         |                         |    |  |
|   |       |                   |      |       | --       | --   | --       | --   | --         | --           | --     |            |                         |    |  |
|   |       |                   |      |       | --       | --   | --       | --   | --         | --           | --     |            |                         |    |  |
| CIR.  | BKR   | LABEL             | LOAD |       |          | LOAD |          |      | LABEL      |              |        | BKR        | CIR.                    |    |  |
|   |       |                   | LTS  | PWR   | HVAC     | HVAC | PWR      | LTS  |            |              |        |            |                         |    |  |
| 1   | 4Ø/3  | EXISTING LOAD     | --   | --    | --       | --   | 1.0Ø     | --   | --         | **WASHER     | 2Ø/1   | 2          |                         |    |  |
| 3   |       |                   | --   | --    | --       | --   | 1.0Ø     | --   | --         | **WASHER     | 2Ø/1   | 4          |                         |    |  |
| 5   |       |                   | --   | --    | --       | --   | 1.0Ø     | --   | --         | **WASHER     | 2Ø/1   | 6          |                         |    |  |
| 7   | 3Ø/2  | STACK DRYER-1     | --   | 2.3Ø  | --       | --   | 1.0Ø     | --   | --         | **WASHER     | 2Ø/1   | 8          |                         |    |  |
| 9   |       |                   | --   | 2.3Ø  | --       | --   | 1.0Ø     | --   | --         | **WASHER     | 2Ø/1   | 10         |                         |    |  |
| 11  | 3Ø/2  | STACK DRYER-2     | --   | 2.3Ø  | --       | --   | 1.0Ø     | --   | --         | **WASHER     | 2Ø/1   | 12         |                         |    |  |
| 13  |       |                   | --   | 2.3Ø  | --       | --   | 2.5Ø     | --   | --         | WATER HEATER | 35/2   | 14         |                         |    |  |
| 15  | 3Ø/2  | STACK DRYER-3     | --   | 2.3Ø  | --       | --   | 2.5Ø     | --   | SPARE      |              |        | 2Ø/1       | 16                      |    |  |
| 17  |       |                   | --   | 2.3Ø  | --       | --   | --       | --   |            | --           | SPARE  |            | 2Ø/1                    | 18 |  |
| 19  | 3Ø/2  | STACK DRYER-4     | --   | 2.3Ø  | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 20         |                         |    |  |
| 21  |       |                   | --   | 2.3Ø  | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 22         |                         |    |  |
| 23  | 3Ø/2  | STACK DRYER-5     | --   | 2.3Ø  | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 24         |                         |    |  |
| 25  |       |                   | --   | 2.3Ø  | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 26         |                         |    |  |
| 27  | 3Ø/2  | STACK DRYER-6     | --   | 2.3Ø  | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 28         |                         |    |  |
| 29  |       |                   | --   | 2.3Ø  | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 30         |                         |    |  |
| 31  | 1ØØ/3 | EXISTING LOAD     | --   | --    | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 32         |                         |    |  |
| 33  |       |                   | --   | --    | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 34         |                         |    |  |
| 35  |       |                   | --   | --    | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 36         |                         |    |  |
| 37  | 2Ø/1  | SPARE             | --   | --    | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 38         |                         |    |  |
| 39  | 2Ø/1  | SPARE             | --   | --    | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 40         |                         |    |  |
| 41  | 2Ø/1  | SPARE             | --   | --    | --       | --   | --       | --   | --         | SPARE        | 2Ø/1   | 42         |                         |    |  |
| TOTALS  |       |                   | --   | 28.5Ø | --       | --   | 11.0Ø    | --   |            |              |        |            | TOTALS                  |    |  |