



## PROCUREMENT DEPARTMENT

Teria G. Sheffield  
Procurement Director

### ADDENDUM # 2

Date: 1/24/2024

PROPOSAL ID #2907

#### IFB #2907 Emergency Operations Center HVAC Renovations

THE FOLLOWING INFORMATION SHALL BE INCORPORATED AS PART OF THE ABOVE MENTIONED SOLICITATION; ALL OTHER TERMS AND CONDITIONS SHALL REMAIN THE SAME.

##### Change 1:

**Reference:** Section 010100, Paragraph 1.08 (reference attached)

**Add:** "TEMPORARY TOILET FACILITIES: The Owner's restrooms and other facilities within vacated work areas shall be available to the contractor. The Contractor shall maintain cleanliness of facilities on a daily basis."

##### Change 2:

**Reference:** Section 010100, Paragraph 1.10 (reference attached)

**Add:** Item D, "Cabling: The Contractor shall protect all building data cabling from damage. The facility will remain as an active 911 call center during the duration of the project. The contractor shall immediately notify the Owner in the event that a cable is damaged."

##### Change 3:

**Reference:** Specification Section 012100 (reference attached)

**Add:** Allowances.

**Change 4:**

**Reference:** Sheet G2.0 (reference attached)

**Add:** Project phasing information

**Change 5:**

**Reference:** Sheet MD2.1 (reference attached)

**Add:** Project phasing information, added electric wall heater demolition.

**Change 6:**

**Reference:** Sheet MD2.2 (reference attached)

**Add:** Project phasing information.

**Change 7:**

**Reference:** Sheet M1.1 (reference attached)

**Add:** General note for fire stopping requirements.

**Change 8:**

**Reference:** Sheet M2.1 (reference attached)

**Add:** Project phasing information, revised VRF layout for 911 Comm Center, revised VRF layout in MACC area for added fire dampers.

**Change 9:**

**Reference:** Sheet M2.2 (reference attached)

**Add:** Project phasing information, added VRF condensing unit.

**Change 10:**

**Reference:** Sheet M3.1 (reference attached)

**Add:** Project phasing information, revised VRF layout for 911 Comm Center.

**Change 11:**

**Reference:** Sheet M4.1 (reference attached)

**Add:** Updated VRF schedules.

**Change 12:**

**Reference:** Sheet M5.2 (reference attached)

**Add:** Details for roof accessories and structural reinforcement.

**Change 13:**

**Reference:** Sheet ED2.0 (reference attached)

**Add:** Project phasing information, revised demolition key note, added electric wall heater demolition.

**Change 14:**

**Reference:** Sheet ED2.1 (reference attached)

**Add:** Project phasing information.

**Change 15:**

**Reference:** Sheet ED3.0 (reference attached)

**Add:** Project phasing information.

**Change 16:**

**Reference:** Sheet E2.0 (reference attached)

**Add:** Project phasing information, revised VRF circuiting.

**Change 17:**

**Reference:** Sheet E2.1 (reference attached)

**Add:** Revised rooftop VRF circuiting.

**Change 18:**

**Reference:** Sheet E3.0 (reference attached)

**Add:** Project phasing information.

**Change 19:**

**Reference:** Sheet E4.0 (reference attached)

**Add:** Revised panel schedules.

**SECTION 010100**  
**SUMMARY OF THE WORK**

1.00 RELATED DOCUMENTS: Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to work of this Section.

1.01 LOCATION OF SITE: 149 W. Black St., Rock Hill, SC 29730

1.02 SUMMARY OF THE WORK:

A. The work described in the Contract Documents, Base Bid, includes the furnishing of all labor, materials, equipment, and services necessary to complete the following:

1. Remove and dispose existing roof top air handling units, split-system units and associated air distribution.
2. Remove and dispose of existing computer room air conditioning units.
3. Installation of variable refrigerant flow systems and air distribution.
4. Installation of new computer room air conditioning units.
5. Installation of new Building Automation System.
6. Remove and dispose of existing ceiling grid and tiles.
7. Installation of new ceiling grid and tiles.
8. Remove and dispose of existing fluorescent lighting.
9. Installation of new LED lighting.

1.03 CONTRACTORS USE OF PREMISES:

A. General: The Contractor shall limit their use of the premises to construction activities in areas indicated; allow for Owner occupancy and use of areas that are not within the construction activities.

B. Use of Existing Building: Protect and maintain existing walkways, roofs, and equipment and parking lot facilities throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and occupants during the construction period.

1.04 OWNER OCCUPANCY: The Owners/Employees will occupy the site and continue daily activities during the construction period. Cooperate with the Owner and project

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liaison during construction operations to minimize conflicts and facilitate Owner usage. Perform the work so as not to interfere with the Owner use except as permitted for specific components of the work.

- 1.05 COORDINATION ISSUES: The Contractor shall coordinate with the schedule of work and work activities, the Owners and their representatives. These schedules shall be updated at periodic coordination meetings at the site.
- 1.06 STAGING AREA AND FIELD OFFICE:
- A. Material Storage: Construction materials may be stored on the construction site (in accordance with manufacturer's recommendations), and shall not be placed to block or cause a hazard to pedestrian or vehicular traffic. Storage shall be in the staging area designated in the Preconstruction Conference unless otherwise approved by the Owner in writing.
  - B. The Contractor shall not wash debris including cementitious residue from tools and equipment into the storm sewer system, onto the grounds or onto the adjacent property.
- 1.07 TEMPORARY WATER AND ELECTRICITY: Water and electric utilities shall be accessible to the Contractor at the project site.
- 1.08 TEMPORARY TOILET FACILITIES: The Owner's restrooms and other facilities within vacated work areas shall be available to the contractor. The Contractor shall maintain cleanliness of facilities on a daily basis.
- 1.09 PARKING: The Contractor shall use parking areas designated by the Owner for parking during the construction.
- 1.10 PROTECTION: Protection shall consist (in general) of the following:
- A. Streets and Walks: Contractor shall protect all streets, parking areas and walks, and shall make all necessary repairs at his own expense.
  - B. Private Roads, Entrances, and Walks: Contractor shall protect private roads, entrances, and walks. He shall maintain them during course of work, and shall repair all damages to same at his own expense.
  - C. Buildings and Equipment: The Contractor shall protect all existing buildings and equipment and shall repair all damages to same at his own expense.
  - D. Cabling: The Contractor shall protect all building data cabling from damage. The facility will remain as an active 911 call center during the duration of the project. The contractor shall immediately notify the Owner in the event that a cable is damaged.
- 1.11 SAFETY:
- A. The Contractor shall be responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the work. The Contractor shall comply with all safety and other applicable requirements in

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regard to all phases of this project including but not limited to all applicable regulations of OSHA and EPA. The Contractor shall handle all products with appropriate precautions and care as stated on the Material Safety Data Sheets (MSDS) for each product.

- B. The Contractor shall be responsible for preventing access to construction equipment, tools and materials that may be hazardous, misused or stolen.
- 1.12 CONTRACTOR'S SUPERVISION: The Contractor shall assign and maintain a single person as "job superintendent" on this project.

END OF SECTION

**SECTION 012100 - ALLOWANCES**  
**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

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

1.3 DEFINITIONS

- A. Allowance: A quantity of work or dollar amount included in the Contract, established in lieu of additional requirements, used to defer selection of actual materials and equipment to a later date when direction will be provided to Contractor. If necessary, additional requirements will be issued by Change Order.

1.4 ACTION SUBMITTALS

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

1.5 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.

1.6 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.

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- 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, 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.

**1.7 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, required maintenance materials, 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.
- B. Submit claims for increased costs due to a change in the 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.



**York County EOC HVAC Replacement**  
**Rock Hill, South Carolina**  
**Project No. 230200.0**

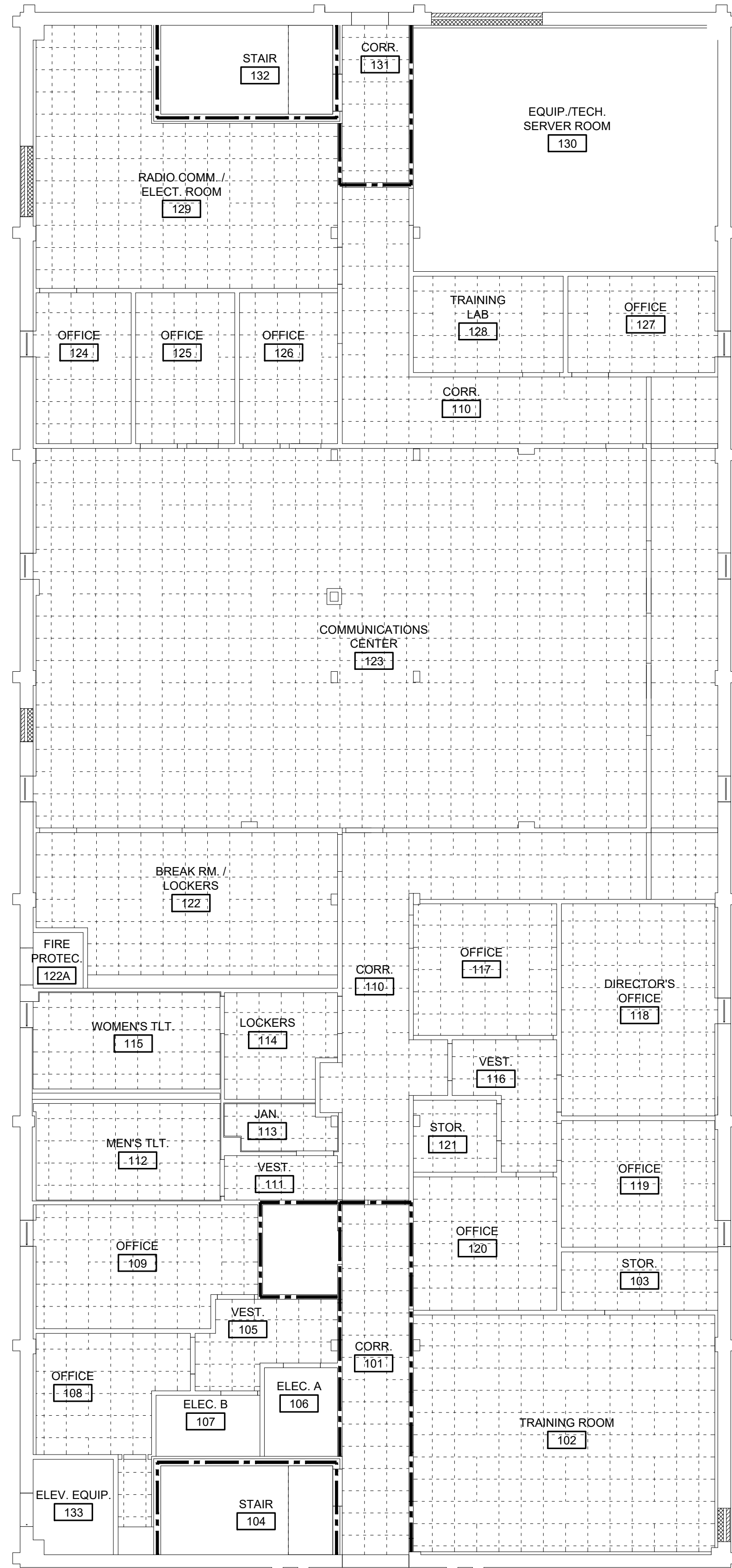
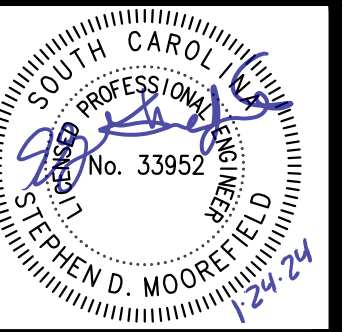
3.2 PREPARATION

- 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 a contingency allowance of 10% of total for use according to Owner's written instructions.

END OF SECTION 012100

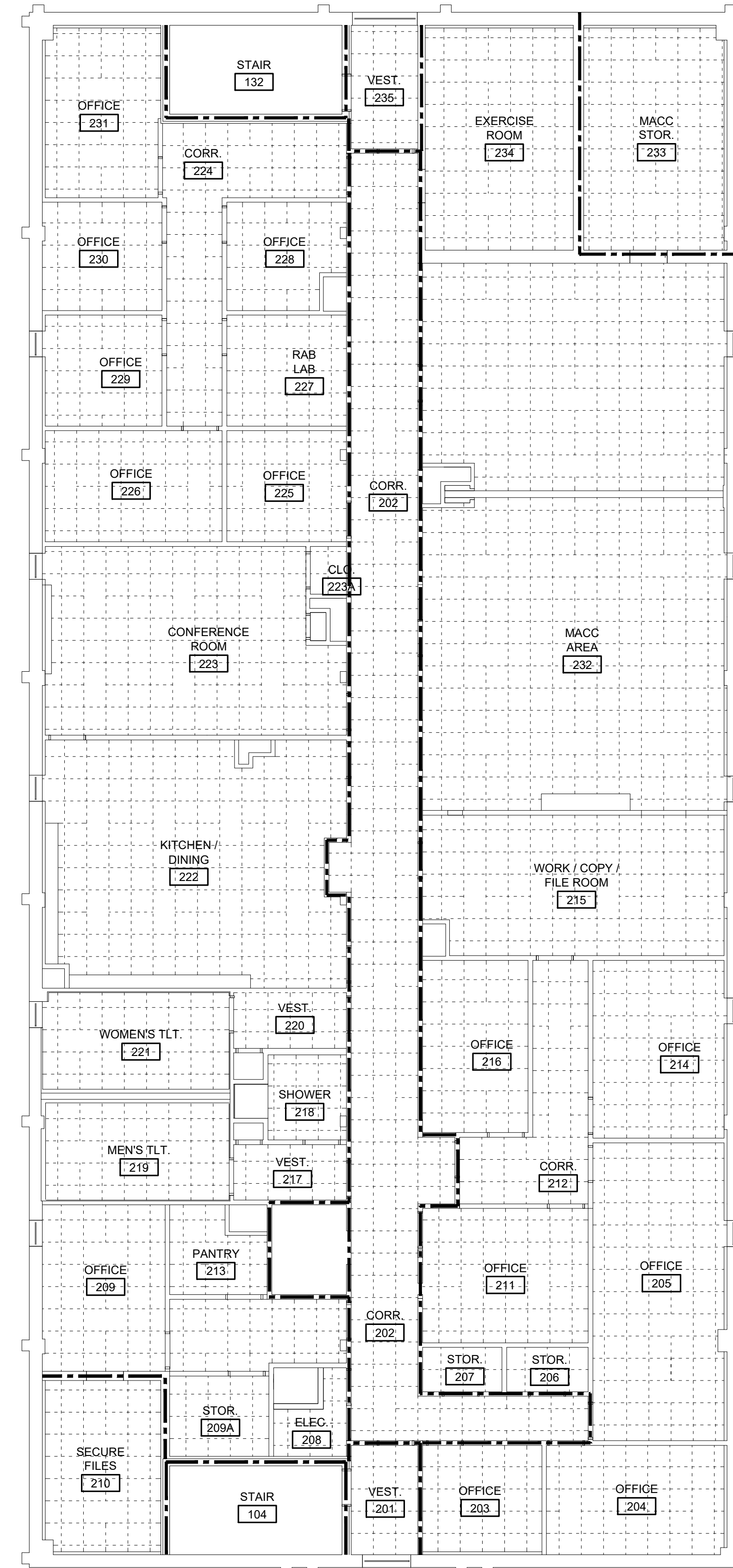


1 FIRST FLOOR CEILING PLAN  
G2.0 1/8" = 1'-0"  
Dwg.# 230200-A3011.DWG

**GENERAL NOTES:**

Dwg.# 230200-A1001.DWG

- CEILING TILES AND GRID IN INDICATED AREAS SHALL BE REMOVED. NEW CEILING GRID AND TILES SHALL BE INSTALLED FOLLOWING COMPLETION OF DUCTWORK DEMOLITION AND SYSTEMS INSTALLATION. CEILINGS SHALL BE INSTALLED TO MATCH EXISTING HEIGHTS.
- CONTRACTOR SHALL COORDINATE WITH OWNER FOR REMOVAL AND INSTALLATION OF ALL CEILING MOUNTED DATA AND AV EQUIPMENT.
- EXISTING CEILING MOUNTED FIRE ALARM DEVICES SHALL BE RELOCATED TO NEW CEILING TILES.
- EXISTING CEILING MOUNTED EXIT SIGNS SHALL BE RELOCATED TO NEW CEILING TILES.
- SPRINKLER HEADS SHALL BE PROTECTED DURING DEMOLITION AND INSTALLATION OF NEW CEILING.
- CEILING SYSTEM SHALL BE USG MARS FLB WITH DONN BRAND DXF 9/16". REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ALTERNATE MANUFACTURERS.
- CEILING WORK ASSOCIATED WITH THE FIRST FLOOR SHALL BE PERFORMED IN PHASE TWO. LIMITED REMOVAL OF CEILING MAY BE COMPLETED TO FACILITATE PHASE ONE SCOPE OF WORK AND SHOULD BE COORDINATED WITH OWNER TO MINIMIZE IMPACT TO BUILDING OPERATIONS.
- CEILING WORK ASSOCIATED WITH THE SECOND FLOOR SHALL BE A PERFORMED IN PHASE ONE.



2 SECOND FLOOR CEILING PLAN  
G2.0 1/8" = 1'-0"  
Dwg.# 230200-A3012.DWG

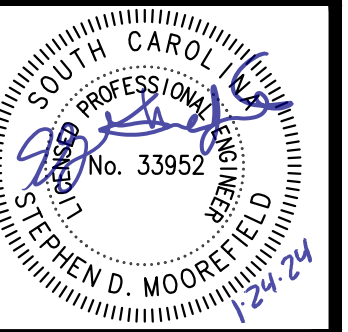
Mark	Date	Revision
▲	1/24/24	ADDENDUM 2

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**ARCHITECTURAL CEILING PLANS**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 07-XX-23

**G2.0**

PRELIMINARY: NOT FOR CONSTRUCTION

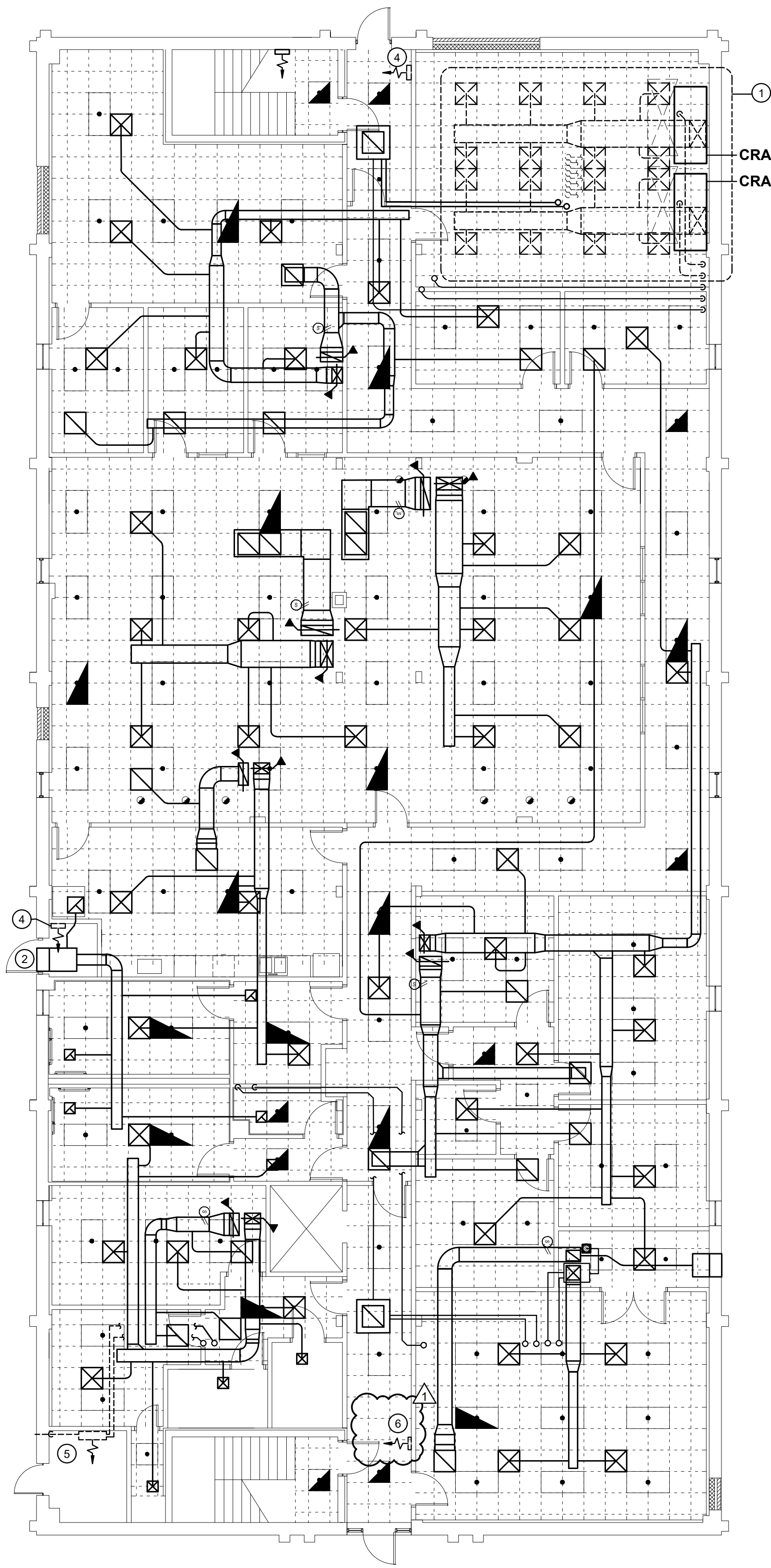


Mark	Date	Revision
▲	1/24/24	ADDENDUM 2

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**MECHANICAL DEMOLITION PLANS**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 01-16-24

**MD2.1**



**GENERAL NOTES**  
Dwg.# 230200-MD201.dwg

REMOVE ALL EXISTING HVAC SYSTEMS -- INCLUDING DUCTWORK, ACCESSORIES, AIR DEVICES, EQUIPMENT, PIPING, ETC. -- ON BOTH LEVELS AND ROOFTOP UNLESS NOTED OTHERWISE.

ALL SECOND FLOOR MECHANICAL DEMOLITION WORK TO HAPPEN IN PHASE ONE.

ALL FIRST FLOOR MECHANICAL DEMOLITION WORK TO HAPPEN IN PHASE TWO, UNLESS NOTED OTHERWISE.

**KEYED NOTES**  
Dwg.# 230200-MD201.dwg

① PHASE ONE, EXISTING LIEBERT COMPUTER ROOM INDOOR (CRAC-1,2) AND OUTDOOR (CU-1,2) UNITS TO BE REPLACED. ALL EXISTING DUCTWORK, DUCT ACCESSORIES, AIR DEVICES, PIPING, ETC. IN COMPUTER ROOM TO REMAIN. CREATE NEW TRANSITION AT CRAC EVAPORATOR INLET/OUTLET TO EXISTING DUCTWORK IF NECESSARY.

② EXISTING WALL LOUVER TO REMAIN. PROVIDE INSULATED BLANK OFF PANEL BEHIND LOUVER.

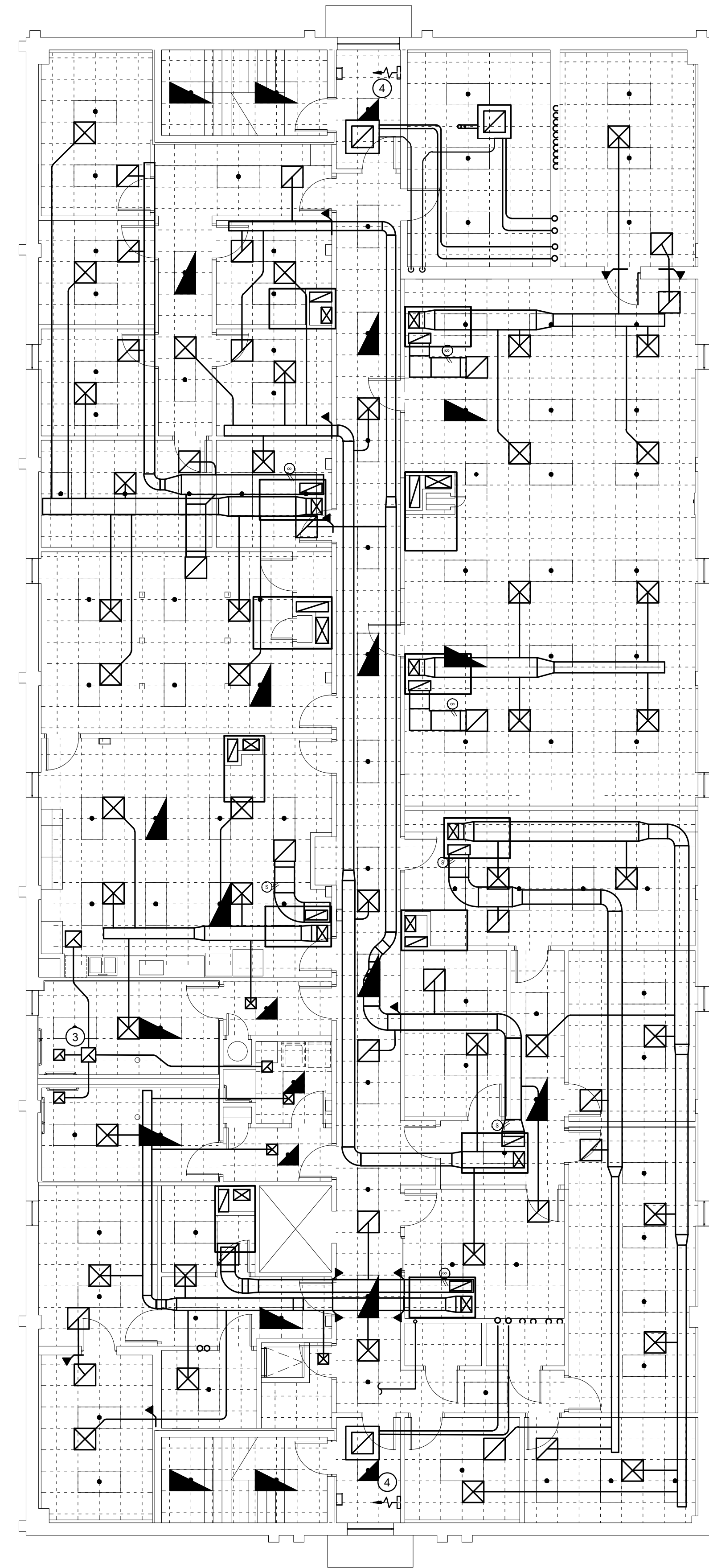
③ EXISTING ROOF CURB TO REMAIN. PROVIDE INSULATED CURB CAP.

④ EXISTING ELECTRIC WALL HEATER TO REMAIN.

⑤ EXISTING ELEVATOR EQUIPMENT ROOM SPLIT SYSTEM TO REMAIN.

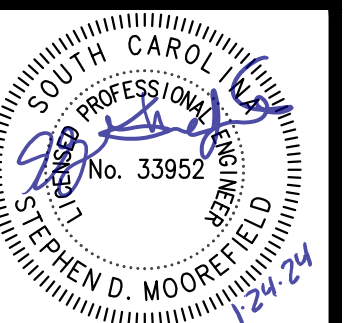
⑥ EXISTING ELECTRIC WALL HEATER TO BE REMOVED.

1  
**MD2.1**  
MECHANICAL DEMOLITION PLAN - FIRST FLOOR  
1/8" = 1'-0"  
Dwg.# 230200-M2000.DWG



2  
**MD2.1**  
MECHANICAL DEMOLITION PLAN - SECOND FLOOR  
1/8" = 1'-0"  
Dwg.# 230200-M2000.DWG

PRELIMINARY: NOT FOR CONSTRUCTION

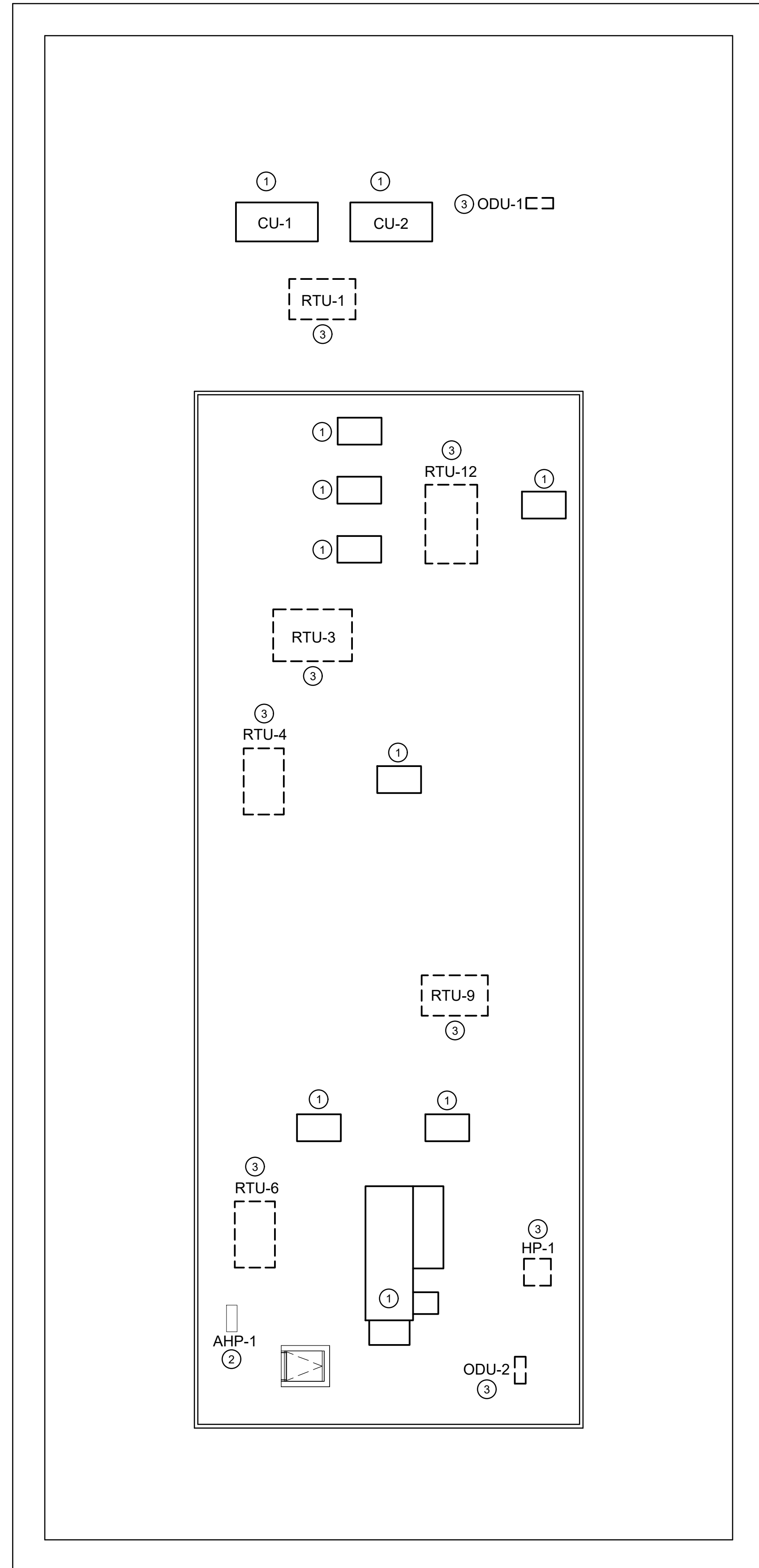


**GENERAL NOTES**  
Dwg # 230200-M2001.dwg

REMOVE ALL EXISTING HVAC SYSTEMS -- INCLUDING DUCTWORK, ACCESSORIES, AIR DEVICES, EQUIPMENT, PIPING, ETC. -- ON BOTH LEVELS AND ROOFTOP UNLESS NOTED OTHERWISE. FOLLOW PHASING OUTLINED IN KEYED NOTES.

**KEYED NOTES**  
Dwg # 230200-M2001.dwg

- ① NEW EQUIPMENT INSTALLED IN PHASE ONE TO REMAIN.
- ② EXISTING EQUIPMENT TO REMAIN.
- ③ PHASE TWO, EXISTING EQUIPMENT SERVING FIRST FLOOR TO BE REMOVED.



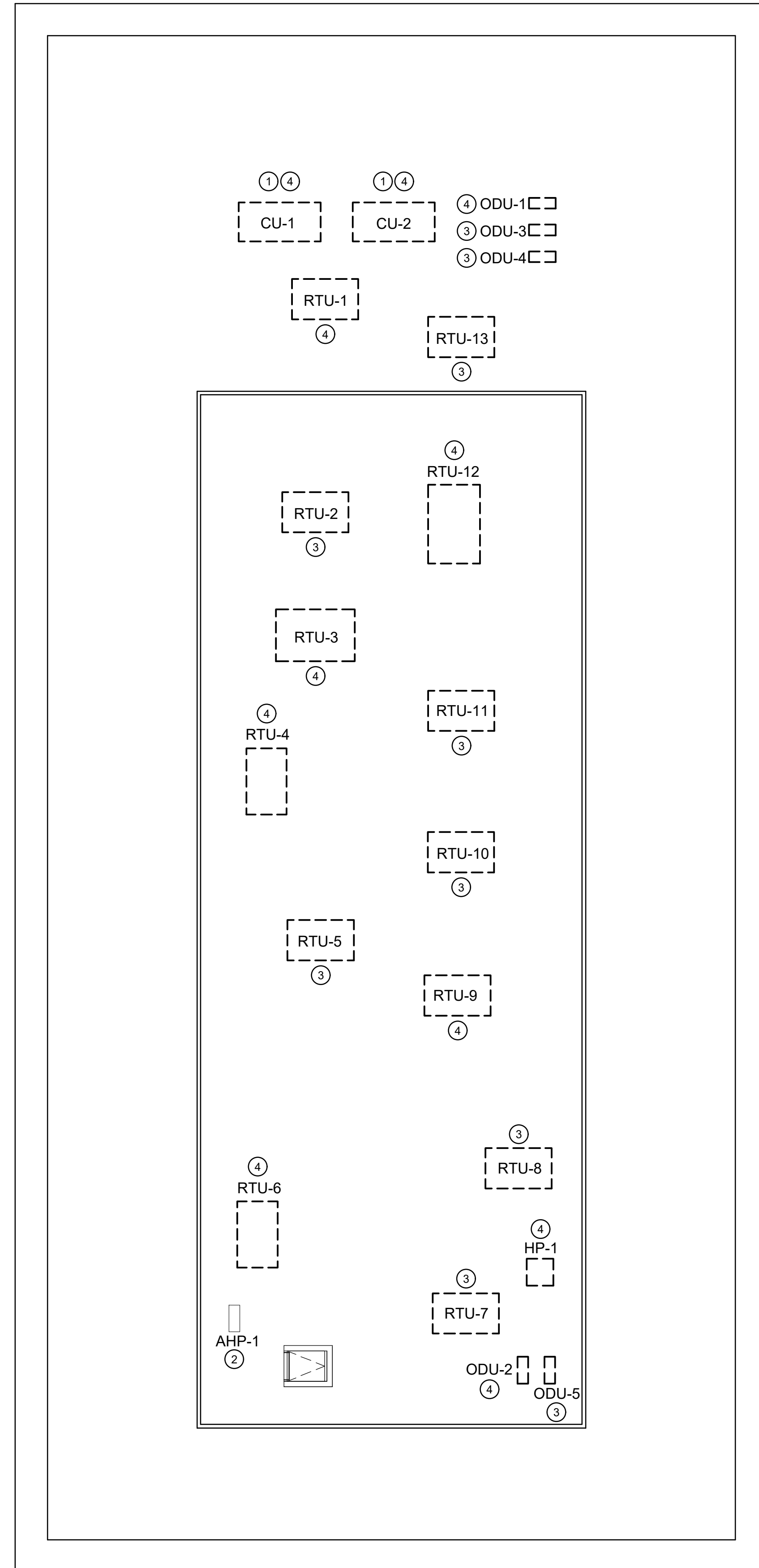
**2**  
**MECHANICAL DEMOLITION PLAN - ROOF**  
**PHASE TWO**  
1/8" = 1'-0"  
Dwg # 230200-M3000.DWG

**GENERAL NOTES**  
Dwg # 230200-M2001.dwg

REMOVE ALL EXISTING HVAC SYSTEMS -- INCLUDING DUCTWORK, ACCESSORIES, AIR DEVICES, EQUIPMENT, PIPING, ETC. -- ON BOTH LEVELS AND ROOFTOP UNLESS NOTED OTHERWISE. FOLLOW PHASING OUTLINED IN KEYED NOTES.

**KEYED NOTES**  
Dwg # 230200-M2001.dwg

- ① PHASE ONE, EXISTING LIEBERT COMPUTER ROOM OUTDOOR (CU-1,2) UNITS TO BE REPLACED. ALL EXISTING DUCTWORK, DUCT ACCESSORIES, AIR DEVICES, PIPING, ETC. TO REMAIN. CREATE NEW TRANSITIONS AT DUCTWORK AND PIPING INLETS/OUTLETS IF NECESSARY.
- ② EXISTING EQUIPMENT TO REMAIN.
- ③ PHASE ONE, EXISTING EQUIPMENT SERVING SECOND FLOOR TO BE REMOVED.
- ④ EXISTING EQUIPMENT SERVING FIRST FLOOR TO REMAIN IN PHASE ONE.



**1**  
**MECHANICAL DEMOLITION PLAN - ROOF**  
**PHASE ONE**  
1/8" = 1'-0"  
Dwg # 230200-M3000.DWG

PRELIMINARY: NOT FOR CONSTRUCTION

Mark	Date	Revision
▲	1/24/24	ADDENDUM 2

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**MECHANICAL ROOF DEMOLITION PLAN**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 01-16-24

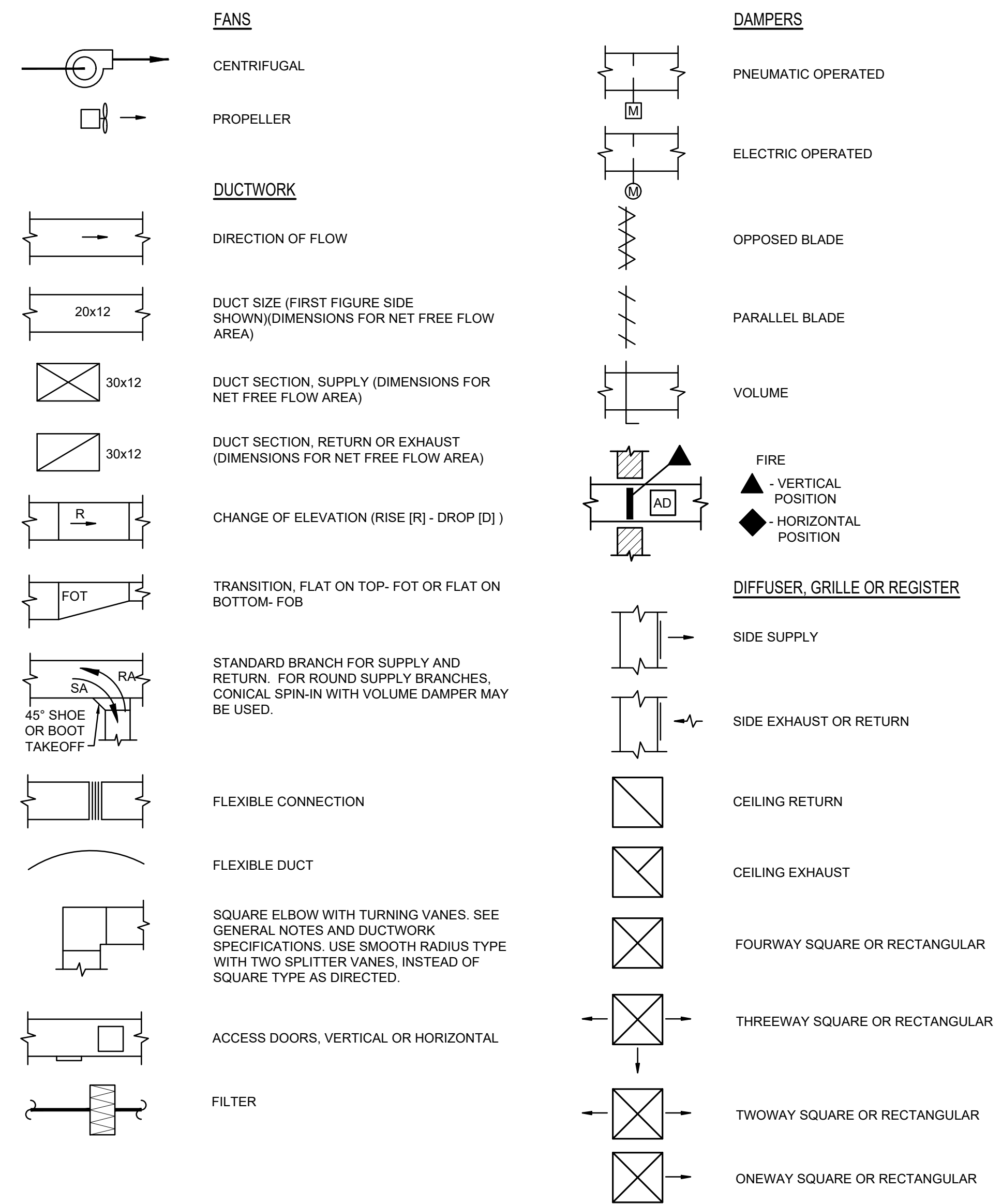
**MD2.2**

**GENERAL NOTES:**  
Dwg # 230200-M1002.DWG

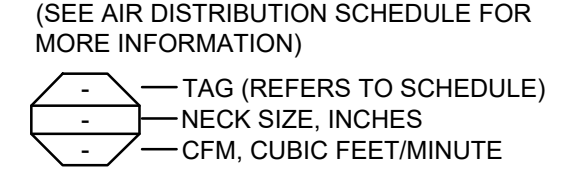
- CONTRACTOR SHALL PREPARE, SUBMIT AND OBTAIN APPROVAL ON SHOP DRAWINGS SHOWING ALL DUCTWORK, UTILITIES, STRUCTURAL, PIPING, CONDUIT AND OTHER INTERFERENCES, BEFORE BEGINNING INSTALLATION. SEE SPECS FOR DETAILED SHOP DRAWING REQUIREMENTS.
- ALL DUCT LAYOUTS ARE GENERALLY DIAGRAMMATIC. CONTRACTOR SHALL VERIFY AVAILABLE SPACE FOR INDICATED DUCTS BASED ON DETAILED SHOP DWGS. AND MEASUREMENTS AND SURVEYS TAKEN OF THE AS-BUILT CONDITIONS.
- ALL PIPE LAYOUTS ARE GENERALLY DIAGRAMMATIC. CONTRACTOR SHALL VERIFY AVAILABLE SPACE FOR INDICATED PIPES BASED ON DETAILED SHOP DWGS. AND MEASUREMENTS AND SURVEYS TAKEN OF THE AS-BUILT CONDITIONS.
- CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL DUCT AND PIPING TO INTERFACE WITH PLUMBING, FIRE PROTECTION, ELECTRICAL, CONTROLS, STRUCTURAL, AND ALL OTHER WORK, EXISTING OR NEW. SEE MECHANICAL GENERAL PROVISIONS IN SPECS FOR FURTHER DETAILS.
- COORDINATE DUCTWORK ROUTING AND SIZES WITH PIPING, CONDUIT, STRUCTURES AND OTHER INTERFERENCES TO AVOID CONFLICTS. IF SIZE MUST BE CHANGED, USE EQUIVALENT FRICTION METHOD TO SELECT REVISED SIZE.
- ALL DIMENSIONS ARE SHOWN FOR FREE FLOW AREA IN NEW HVAC DUCTWORK.
- WHERE REQUIRED FOR LIGHTS, PIPING AND CONDUIT SHALL BE INSTALLED BETWEEN GLAZES AND UNDER DUCTWORK.
- TO PROVIDE ADEQUATE CLEARANCE WHERE DUCT CROSSINGS ARE EXTREMELY TIGHT, LOCATE FLANGED JOINTS AND DUCT REINFORCING SO THAT FLANGES AND REINFORCING OCCUR WHERE ADEQUATE SPACE IS AVAILABLE.
- CONTRACTOR SHALL FURNISH AND INSTALL ALL ACCESS DOORS IN DUCTWORK AS REQUIRED FOR FIRE DAMPERS, CONTROLS, LOCATIONS RECOMMENDED BY SMACNA, AND WHERE REQUIRED BY THE CONTRACT DRAWINGS AND/OR THE SPECIFICATIONS. ALL ACCESS DOORS REQUIRED MAY NOT BE SHOWN ON THE DRAWINGS.
- ACCESS DOORS IN BUILDING FINISHES SHALL BE FURNISHED AND INSTALLED UNDER THE GENERAL CONSTRUCTION DIVISIONS OF THE SPECIFICATIONS.
- LOCATE ALL CONTROL VALVES, VRF/VRV UNITS, AND THE LIKE, IN ACCESSIBLE POSITIONS WITH ADEQUATE MAINTENANCE CLEARANCE. COORDINATE AND LOCATE DEVICES SO ACCESS IS NOT BLOCKED BY LIGHTS, GRILLES, DUCTWORK, PIPING, STRUCTURE, CONDUIT AND THE LIKE. THE GENERAL CONTRACTOR SHALL PROVIDE ACCESS DOORS IN WALLS AND NON LAY-IN TYPE CEILINGS AS NECESSARY. THE MECHANICAL CONTRACTOR SHALL PROMPTLY NOTIFY THE G.C. OF THE SIZE, LOCATION AND TYPE OF ALL ACCESS DOORS REQUIRED IN BUILDING SURFACES.
- MAINTAIN A MINIMUM OF 9" CLEARANCE FOR ACCESS TO CONTROLS ON ALL TERMINAL BOXES, CONTROL VALVES AND THE LIKE.
- MATERIALS, EQUIPMENT AND INSTALLATION SHALL COMPLY WITH ALL REQUIREMENTS OF THE SPECIFICATIONS. SEE MECHANICAL GENERAL PROVISIONS AND ALL OTHER MECHANICAL SECTIONS.
- ELBOWS IN ALL DUCTWORK SHALL BE SMACNA SMOOTH RADIUS TYPE. SEE DUCTWORK SPECIFICATIONS. SQUARE MITERED ELBOWS ARE SHOWN IN MANY PLACES ON THESE DRAWINGS FOR SIMPLICITY OF DRAFTING, BUT SQUARE MITERED ELBOWS SHALL NOT BE USED EXCEPT WHERE ABSOLUTELY NECESSARY TO FIT IN A SPECIFIC SITUATION, AND WHERE SPECIFICALLY APPROVED BY THE OWNER'S REPRESENTATIVE. WHERE SQUARE MITERED ELBOWS MUST BE USED, TURNING VANES SHALL BE PROVIDED PER SPECIFICATIONS.
- ALL BRANCH DUCT CONNECTIONS SHALL BE 45° ENTRY TYPE FOR RECTANGULAR DUCTS, OR CONICAL ENTRY TYPE FOR ROUND DUCTS. TYPICAL WHETHER SPECIFICALLY INDICATED OR NOT.
- ALL RETURN GRILLES OPEN TO THE RETURN AIR PLENUM SHALL HAVE ACOUSTICALLY INSULATED RETURN BOOTS. SEE TYPICAL DETAIL.
- ALL DUCTWORK INSULATION SHALL MEET THE REQUIREMENTS OF SPECIFICATIONS.
- MANUAL BALANCING DAMPERS, ACCESS DOORS AND OTHER DUCTWORK ACCESSORIES SHALL BE CONSTRUCTED OF THE SAME MATERIAL AS THE ADJACENT DUCTWORK IN WHICH THEY ARE INSTALLED.

- WHERE DUCTS PASS THROUGH NON-FIRE RATED WALLS, CONTRACTOR SHALL FRAME AROUND PENETRATION OPENING WITH SAME MATERIAL (TYPE AND GAUGE) AS THE DUCTWORK PENETRATING THE WALL. FRAMING SHALL BE SECURELY ATTACHED TO WALL AND DUCT. PENETRATION OPENING SHALL NOT BE VISIBLE WHEN FRAMING IS IN PLACE.
- ALL PIPING PENETRATIONS THROUGH FIRE RATED WALLS, FLOORS AND CEILINGS SHALL BE PROPERLY FIRE-STOPPED IN ACCORDANCE WITH CODE AND UL REQUIREMENTS. WHERE FIRE RATED CHASES OR ENCLOSURES ARE REQUIRED, COORDINATE SUCH REQUIREMENTS WITH GENERAL CONTRACTOR.
- ALL DUCT PENETRATIONS THROUGH RATED CORRIDOR WALLS (WHERE A FIRE DAMPER IS NOT INDICATED ON THE PLANS) SHALL BE PROPERLY FIRE-STOPPED IN ACCORDANCE WITH ASTM E814 OR UL 1479.
- IN AREAS WHERE PIPING PENETRATIONS THROUGH WALLS, FLOORS AND CEILINGS ARE EXPOSED, ESCUTCHEONS SHALL BE PROVIDED TO IMPROVE THE APPEARANCE OF ALL PENETRATIONS. PROVIDE ADEQUATE SPACING BETWEEN PIPES THAT RUN PARALLEL THROUGH THE SAME WALLS, FLOORS AND CEILINGS TO ACCOMMODATE THE ESCUTCHEONS OF ALL PIPES. WHERE THE WALLS, FLOORS AND CEILINGS ARE FIRE RATED, THE ESCUTCHEONS SHALL BE PROVIDED, HOWEVER, THEY SHALL NOT BE PLACED OVER THE PENETRATIONS UNTIL THEY HAVE FIRST BEEN INSPECTED FOR PROPER CONSTRUCTION AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- REFER TO CONTRACT SPECIFICATIONS FOR DUCT CONSTRUCTION PRESSURE CLASSIFICATIONS AND JOINT SEALING CLASSIFICATIONS, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- CONTRACTOR SHALL ADJUST ALL AIR DISTRIBUTION AND BALANCING DAMPERS TO OBTAIN SCHEDULED OR NOTED AIR FLOW RATES. SEE TESTING AND BALANCING REQUIREMENTS IN SPECIFICATIONS.
- CONTRACTOR SHALL ADJUST ALL FLOW CONTROL DEVICES IN PIPING SYSTEMS TO OBTAIN SCHEDULED OR NOTED LIQUID FLOW RATES. SEE TESTING AND BALANCING REQUIREMENTS IN SPECIFICATIONS.
- AIR DISTRIBUTION DEVICES ARE SHOWN APPROXIMATELY LOCATED. CONTRACTOR SHALL COORDINATE LOCATION WITH LIGHTING AND REFLECTED CEILING PLANS. CONFLICTS AND/OR DEVIATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
- EQUIPMENT CONNECTION SIZES, ELEVATION, AND CONFIGURATIONS ARE SUBJECT TO CHANGE WHEN CERTIFIED VENDOR SHOP DRAWINGS ARE RECEIVED. CONTRACTOR SHALL CHECK CERTIFIED SHOP DRAWINGS PRIOR TO INSTALLATION OF DUCTWORK AND PIPING, AND SHALL MAKE REQUIRED ADJUSTMENTS AT NO ADDITIONAL COST TO THE OWNER.
- EQUIPMENT SELECTIONS SCHEDULED ON THE DRAWINGS AND IN THE SPECIFICATIONS INDICATE A MINIMUM LEVEL OF ACCEPTABLE PERFORMANCE. SUBSTITUTION OF EQUIPMENT AND MATERIALS SHALL BE MADE IN ACCORDANCE WITH THE PRIOR APPROVAL CLAUSE LOCATED IN THE MECHANICAL GENERAL PROVISIONS.
- ALL PIPE ELEVATIONS ARE TO BOTTOM OF PIPE (NOT INSULATION), UNLESS NOTED OTHERWISE.
- PROVIDE OFFSETS IN PIPING AS REQUIRED TO PROVIDE FOR THERMAL EXPANSION, PER SPECIFICATIONS.
- CONTRACTOR SHALL COORDINATE CLOSELY WITH THE GENERAL CONTRACTOR TO VERIFY THAT ADEQUATE OPENINGS ARE PROVIDED IN THE BUILDING STRUCTURAL SYSTEMS AND SLABS TO ALLOW FOR INSTALLATION OF MECHANICAL DUCTWORK AND PIPING SYSTEMS.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR LEADING AND ACHIEVING COORDINATION OF ALL TRADES, SO THAT ALL WORK WILL FIT AND CAN BE PROPERLY INSTALLED BY ALL OTHER TRADES CONTRACTORS. MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING DETAILED INFORMATION FROM ALL TRADES TO SHOW LOCATIONS, SIZES AND COORDINATION ON COORDINATION OVERLAY SHOP DRAWINGS.
- MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING IN THE FIELD THAT THE MECHANICAL EQUIPMENT AND DUCTWORK FOR THIS PROJECT HAS BEEN INSTALLED IN SUCH A MANNER THAT VIBRATIONS WILL NOT BE TRANSMITTED TO THE BUILDING STRUCTURE. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, AVOIDING CONTACT BETWEEN DUCTWORK, DUCTWORK SUPPORTS AND CEILING HANGERS, CONDUIT, WALL STUDS OR BRACES, PIPING AND PIPING HANGERS, AND THE LIKE. CEILING GRID SUPPORT HANGERS SHALL NOT BE SUSPENDED FROM DUCTWORK OR DUCTWORK SUPPORTS.
- MECHANICAL CONTRACTOR SHALL INSTALL MECHANICAL SYSTEMS IN ACCORDANCE WITH GOOD PRACTICE TO REDUCE THE POTENTIAL FOR VIBRATION TRANSMISSION AND ACOUSTICAL NOISE TO THE OCCUPIED SPACES. REFER TO SPECIFICATION SECTION 15042B-TESTS, REGARDING ROOM DESIGN NOISE CRITERIA (NC) LEVELS AND SOUND TESTING REQUIREMENTS.

**SYMBOLS - AIR MOVING DEVICES AND COMPONENTS**  
Dwg # 230200-M1003.DWG



**AIR DISTRIBUTION SYMBOL**  
Dwg # 230200-M1004.DWG



MECHANICAL SUMMARY	
(PROVIDE ON THE MECHANICAL SHEETS IF APPLICABLE)	
<b>MECHANICAL SYSTEMS, SERVICE SYSTEMS, AND EQUIPMENT:</b>	
<b>Thermal zone</b>	
winter dry bulb	21.9 F
summer dry bulb	91.8 F
<b>Interior design conditions</b>	
winter dry bulb	68 F
summer dry bulb	74 F
relative humidity	50%
<b>Building heating load</b>	126.2 MBH
<b>Building cooling load</b>	455.9 MBH
<b>Mechanical spacing conditioning system</b>	
Unitary	
Description of unit	SEE SCHEDULES
Heating efficiency	SEE SCHEDULES
Cooling efficiency	SEE SCHEDULES
Size category of unit	SEE SCHEDULES
Boiler	
Size category. If oversized, state reason:	N/A
Chiller	
Size category. If oversized, state reason:	N/A
List equipment efficiencies	SEE SCHEDULES

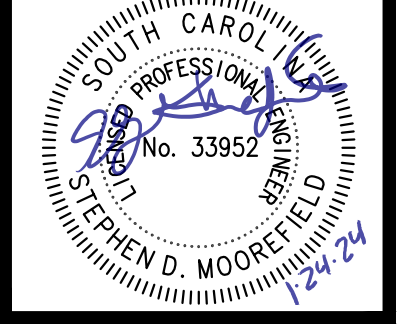
MECHANICAL DRAWING INDEX	
Dwg # 230200-M1001.DWG	
M1.1	GENERAL NOTES AND SYMBOLS
MD2.1	MECHANICAL FIRST AND SECOND FLOOR DEMOLITION PLANS
MD2.2	MECHANICAL ROOF DEMOLITION PLAN
M2.2	MECHANICAL ROOF NEW WORK PLANS
M3.1	MECHANICAL PIPING NEW WORK PLANS
M4.1	MECHANICAL SCHEDULES
M5.1	MECHANICAL DETAILS
M5.2	MECHANICAL DETAILS



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Project Number: 230200  
File Name: 230200-M0101  
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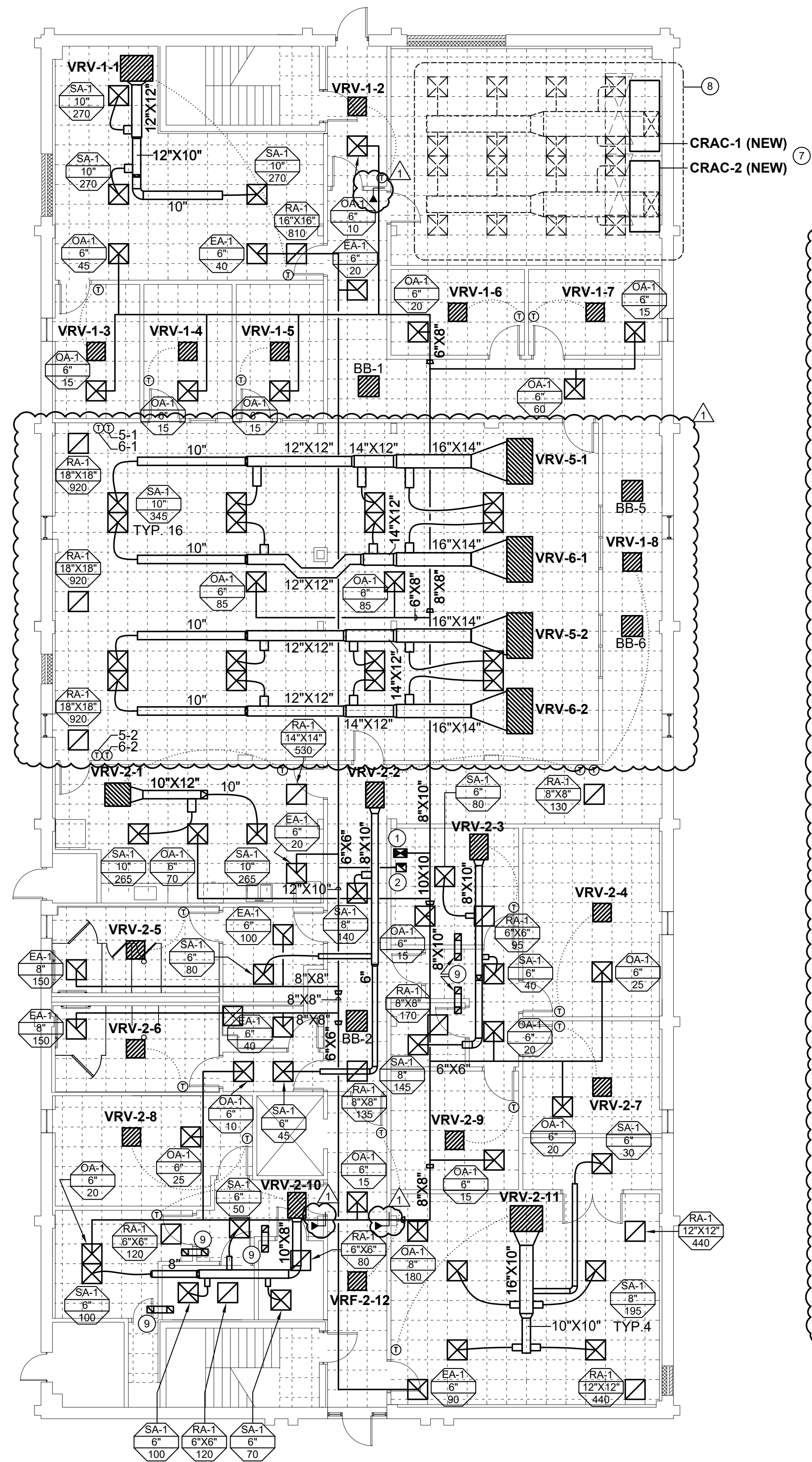
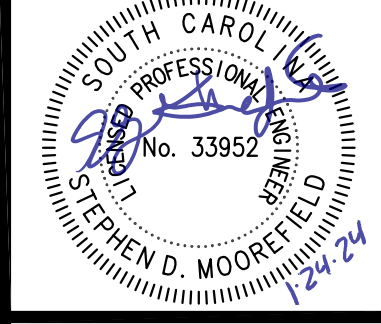
Revision	Date	Mark
ADDENDUM 2	1/24/24	

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**MECHANICAL GENERAL NOTES AND SYMBOLS**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 01-16-24

**M1.1**

PRELIMINARY: NOT FOR CONSTRUCTION



**1** MECHANICAL NEW WORK PLAN - FIRST FLOOR  
1/8" = 1'-0"  
Dwg.# 230200-M2001.DWG

**GENERAL NOTES**  
Dwg.# 230200-M2001.DWG

ALL SECOND FLOOR MECHANICAL WORK TO HAPPEN IN PHASE ONE.

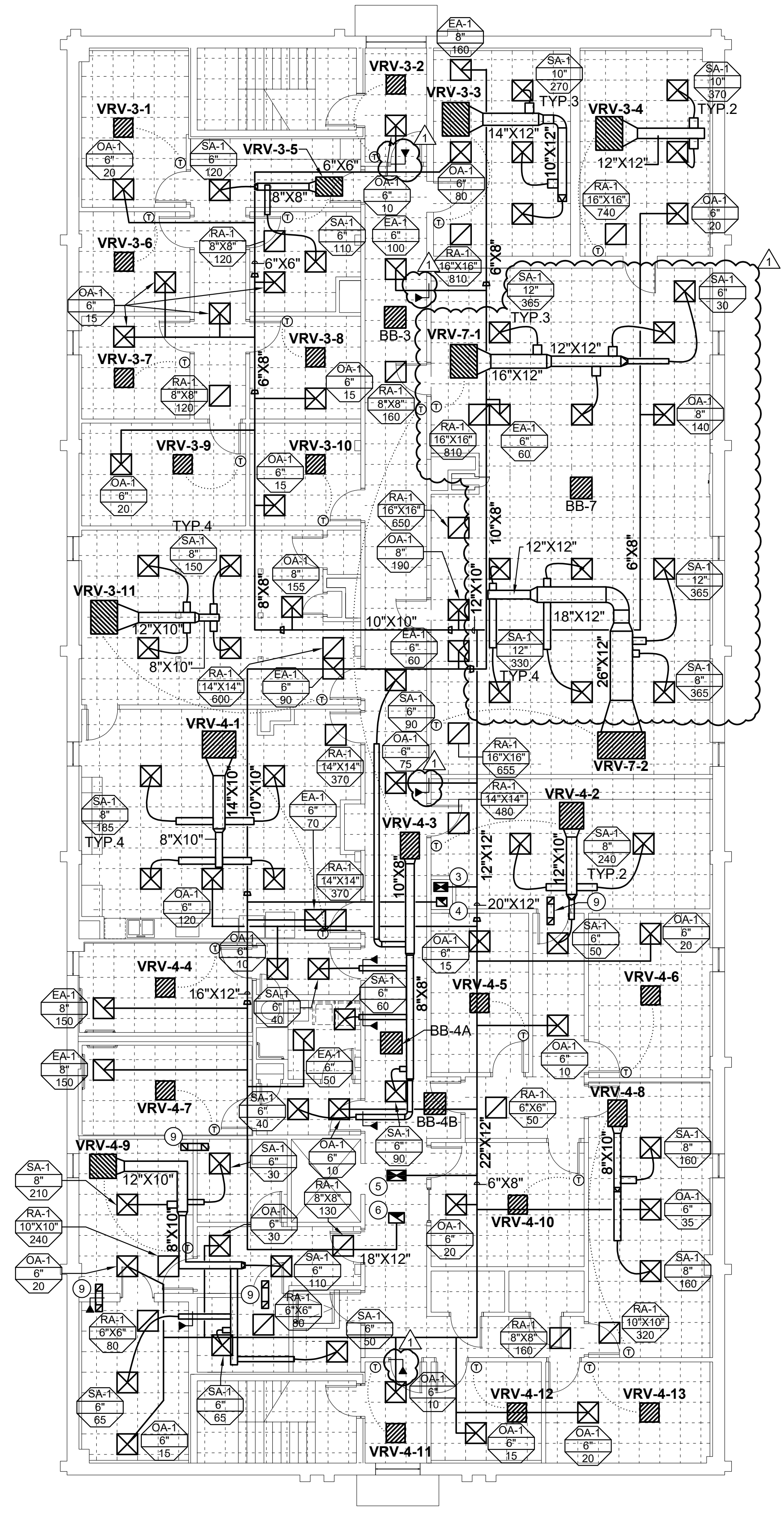
ALL FIRST FLOOR MECHANICAL WORK TO HAPPEN IN PHASE TWO, UNLESS NOTED OTHERWISE.

PROVIDE BALANCING DAMPER AT TAP FOR EACH SA-1 AND OA-1 DIFFUSER.

PROTECT PENETRATIONS OF RATED CORRIDOR WALLS IN ACCORDANCE WITH SC BUILDING CODE 714.4.1.

**KEYED NOTES**  
Dwg.# 230200-M2001.DWG

- 16"X10" OUTSIDE AIR DUCT DOWN FROM LEVEL 2. IN PHASE ONE, CAP DUCTWORK ABOVE FIRST FLOOR CEILING. IN PHASE TWO, COMPLETE FIRST FLOOR DUCT SYSTEM.
- 12"X10" EXHAUST AIR DUCT UP TO LEVEL 2. IN PHASE ONE, CAP DUCTWORK ABOVE FIRST FLOOR CEILING. IN PHASE TWO, COMPLETE FIRST FLOOR DUCT SYSTEM.
- 16"X10" OUTSIDE AIR DUCT DOWN TO LEVEL 1. IN PHASE ONE, CAP DUCTWORK ABOVE FIRST FLOOR CEILING. IN PHASE TWO, COMPLETE FIRST FLOOR DUCT SYSTEM.
- 12"X10" EXHAUST AIR DUCT UP FROM LEVEL 1. IN PHASE ONE, CAP DUCTWORK ABOVE FIRST FLOOR CEILING. IN PHASE TWO, COMPLETE FIRST FLOOR DUCT SYSTEM.
- 22"X12" OUTSIDE AIR DUCT DOWN FROM DOAS-1 ON ROOF.
- 18"X12" EXHAUST AIR DUCT UP TO DOAS-1 ON ROOF.
- IN PHASE ONE, REPLACE EXISTING LIEBERT COMPUTER ROOM INDOOR (CRAC-1.2) AND OUTDOOR (CU-1.2) UNIT. NEW CRAC-1.2 MODEL NUMBER: DS042ADC0EI (WITH VFD). NEW CU-1.2 MODEL NUMBER: DCF205-Y. NEW CU-1.2 TO BE INSTALLED ON ROOF IN SAME LOCATION AS CURRENT CU-1.2.
- ALL EXISTING DUCTWORK, DUCT ACCESSORIES, AIR DEVICES, PIPING, ETC. IN COMPUTER ROOM TO REMAIN. CREATE NEW TRANSITION AT CRAC EVAPORATOR INLET/OUTLET TO EXISTING DUCTWORK AS REQUIRED.
- 8"X8" TRANSFER BOOT. FIELD VERIFY NECESSITY FOR AIR TRANSFER - IF THERE IS MORE THAN 4" OF SPACE BETWEEN TOP OF WALL AND DECK, THE TRANSFER BOOT IS NOT NEEDED.



**2** MECHANICAL NEW WORK PLAN - SECOND FLOOR  
1/8" = 1'-0"  
Dwg.# 230200-M2001.DWG

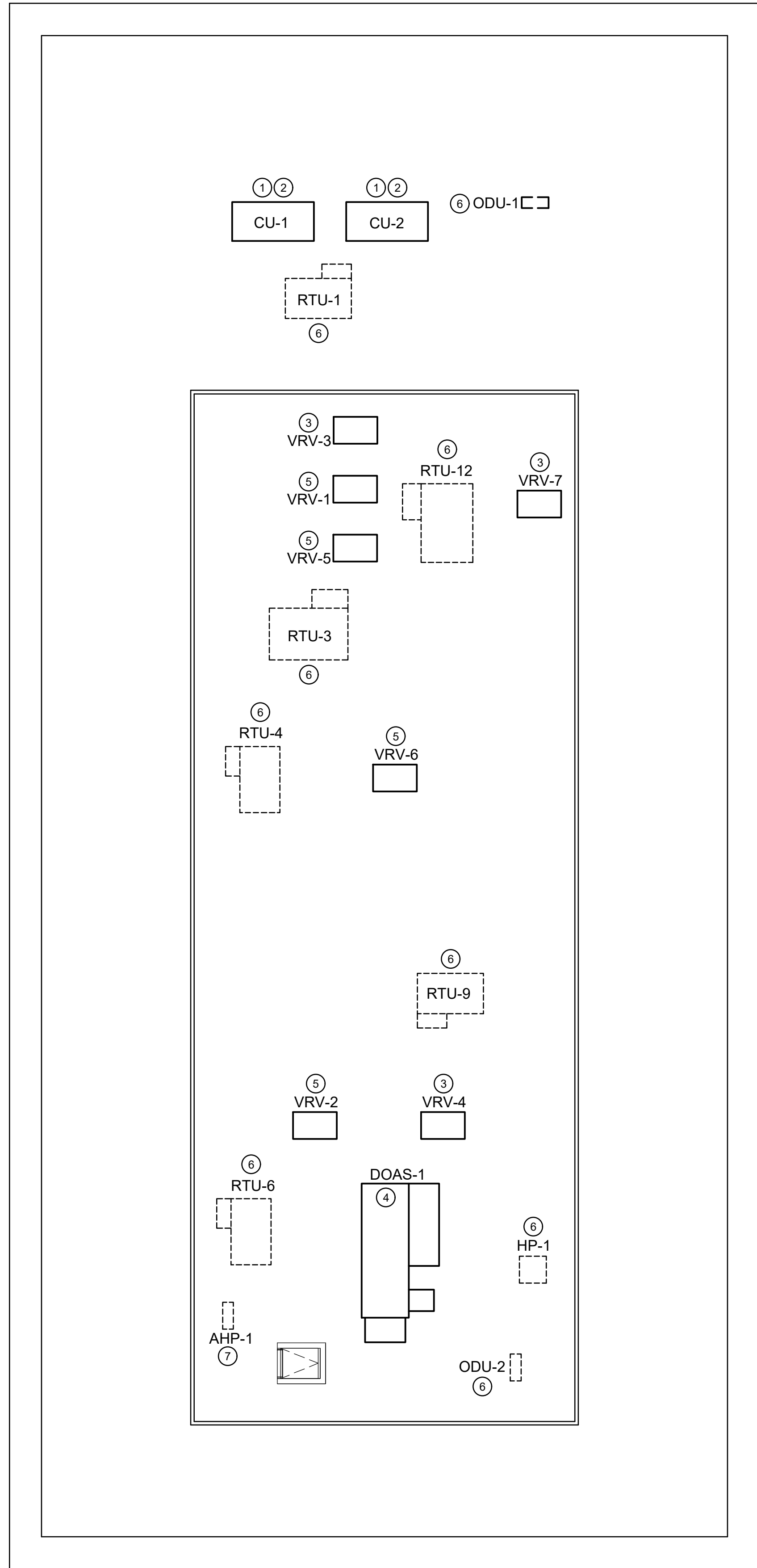
PRELIMINARY: NOT FOR CONSTRUCTION

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
MECHANICAL NEW WORK PLANS

Mark	Date	Revision
ADDENDUM 2	12/24/24	

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 01-16-24

**M2.1**



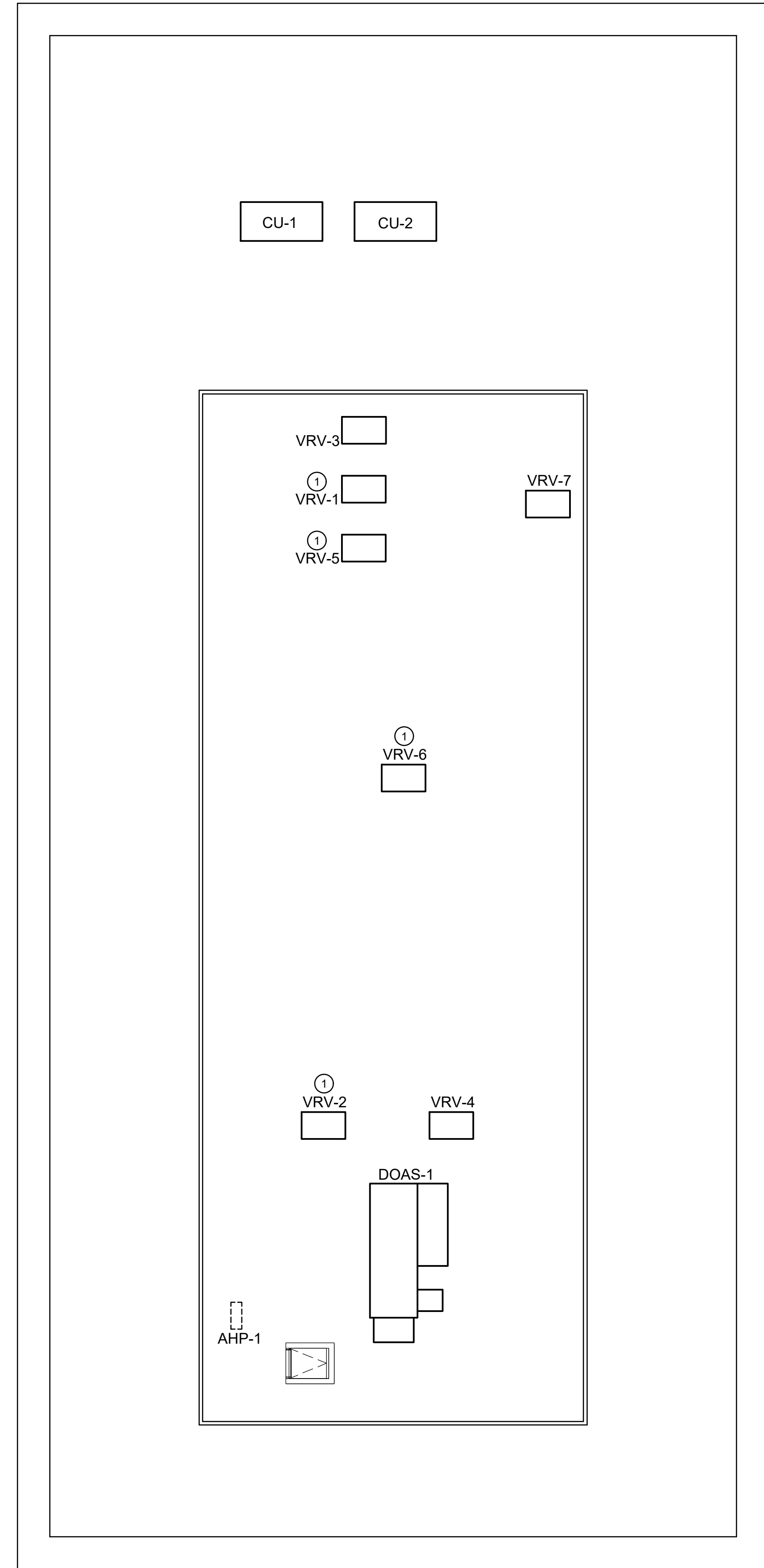
**MECHANICAL NEW WORK PLAN - ROOF  
PHASE ONE**

1  
M2.2

1/8" = 1'-0"  
Dwg.# 230200-M2002.DWG

**KEYED NOTES**  
Dwg.# 230200-M2001.dwg

- ① **IN PHASE ONE, REPLACE EXISTING LIEBERT COMPUTER ROOM OUTDOOR (CU-1,2). NEW CU-1,2 MODEL NUMBER: DCDF205-Y. NEW CU-1,2 TO BE INSTALLED ON ROOF IN SAME LOCATION AS CURRENT CU-1,2.**
- ② **ALL EXISTING PIPING FROM EXISTING CU TO EXISTING CRAC TO REMAIN. CREATE NEW TRANSITIONS FROM NEW PIPING INLETS/OUTLETS IF NECESSARY.**
- ③ **PHASE ONE, INSTALL NEW VRV UNIT AND ALL ASSOCIATED REFRIGERANT PIPING SERVING SECOND FLOOR.**
- ④ **PHASE ONE, INSTALL NEW DOAS UNIT AND ASSOCIATED DUCTWORK MAINS THROUGH THE ROOF. ALL DUCTWORK SERVING SECOND FLOOR SHALL BE INSTALLED. EXHAUST AND OUTSIDE AIR DUCTWORK MAINS SERVING FIRST FLOOR SHALL BE CAPPED ABOVE FIRST FLOOR CEILING.**
- ⑤ **PHASE ONE, INSTALL NEW VRV UNIT SERVING FIRST FLOOR. REFRIGERANT PIPING SHALL ALSO BE INSTALLED DOWN THROUGH SECOND FLOOR, AND SHALL BE TERMINATED ABOVE FIRST FLOOR CEILING. UNIT SHALL NOT BE COMMISSIONED UNTIL PHASE TWO.**
- ⑥ **EXISTING EQUIPMENT CURRENTLY SERVING FIRST FLOOR IS TO REMAIN IN OPERATION DURING PHASE ONE AND REMOVED DURING PHASE TWO. LOCATION OF ALL NEW EQUIPMENT INSTALLED DURING PHASE ONE SHALL NOT INTERFERE WITH CLEARANCES OF REMAINING EXISTING EQUIPMENT BEING REMOVED IN PHASE TWO.**
- ⑦ **AHP-1 TO REMAIN.**



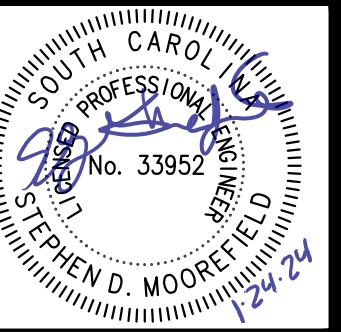
**MECHANICAL NEW WORK PLAN - ROOF  
PHASE TWO**

2  
M2.2

1/8" = 1'-0"  
Dwg.# 230200-M2002.DWG

**KEYED NOTES**  
Dwg.# 230200-M2001.dwg

- ① **PHASE TWO, UNIT AND SYSTEM SERVING FIRST FLOOR TO BE COMMISSIONED.**



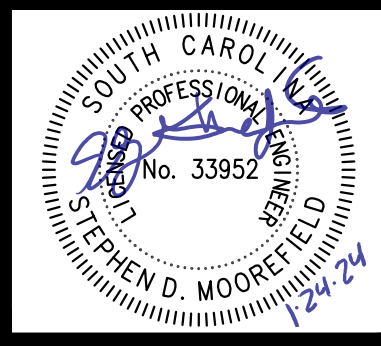
Mark	Date	Revision
▲	1/24/24	ADDENDUM 2

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**MECHANICAL ROOF DEMOLITION AND NEW WORK PLANS**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 01-16-24

**M2.2**

PRELIMINARY: NOT FOR CONSTRUCTION



Revision	Date	Mark	Description
ADDENDUM 2	1/24/24		

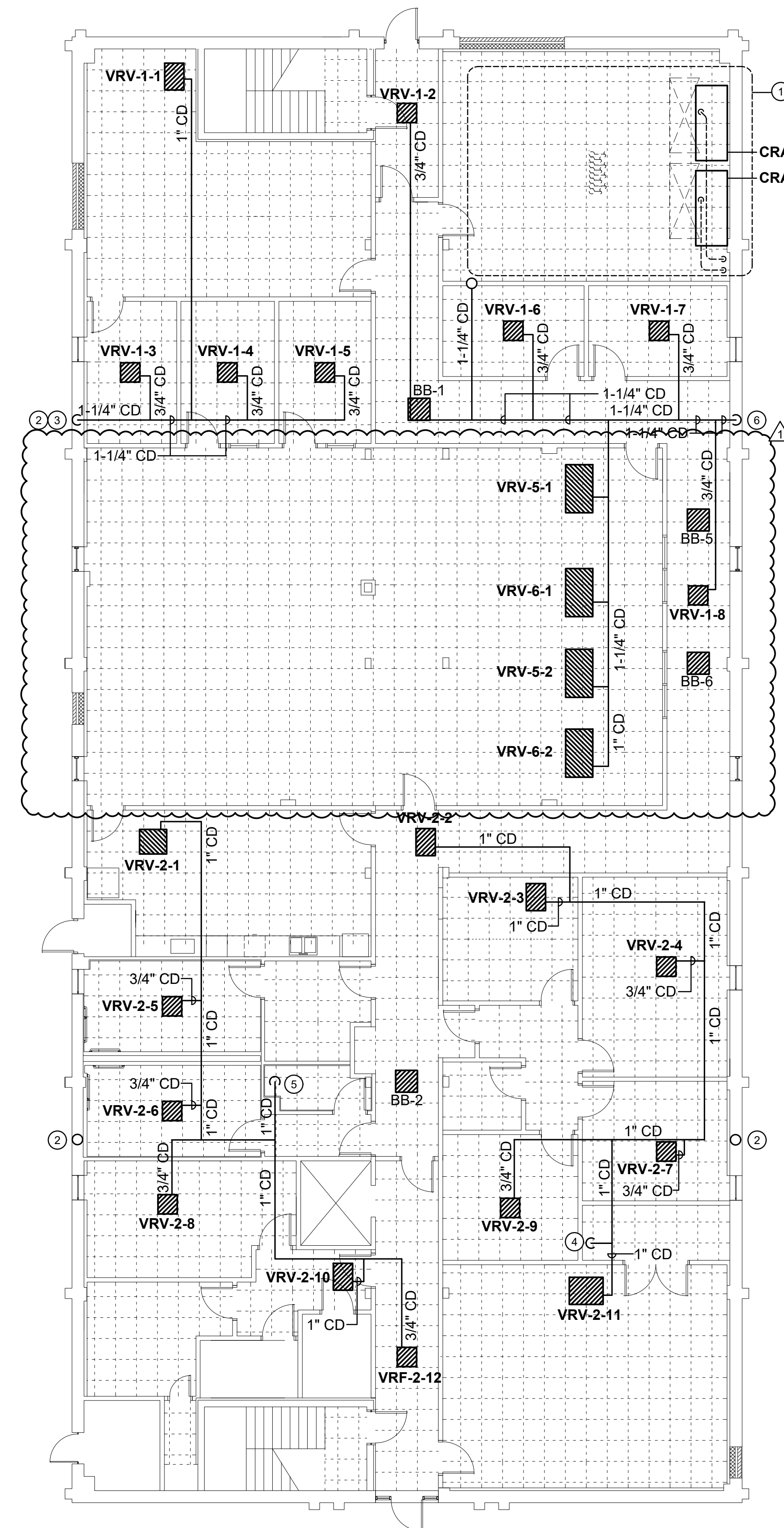
Revision	Date	Mark	Description
ADDENDUM 2	1/24/24		

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
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778 JUSTICE BOULEVARD  
YORK, SC 29745  
**MECHANICAL PIPING NEW WORK PLANS**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 01-16-24

**M3.1**

PRELIMINARY: NOT FOR CONSTRUCTION



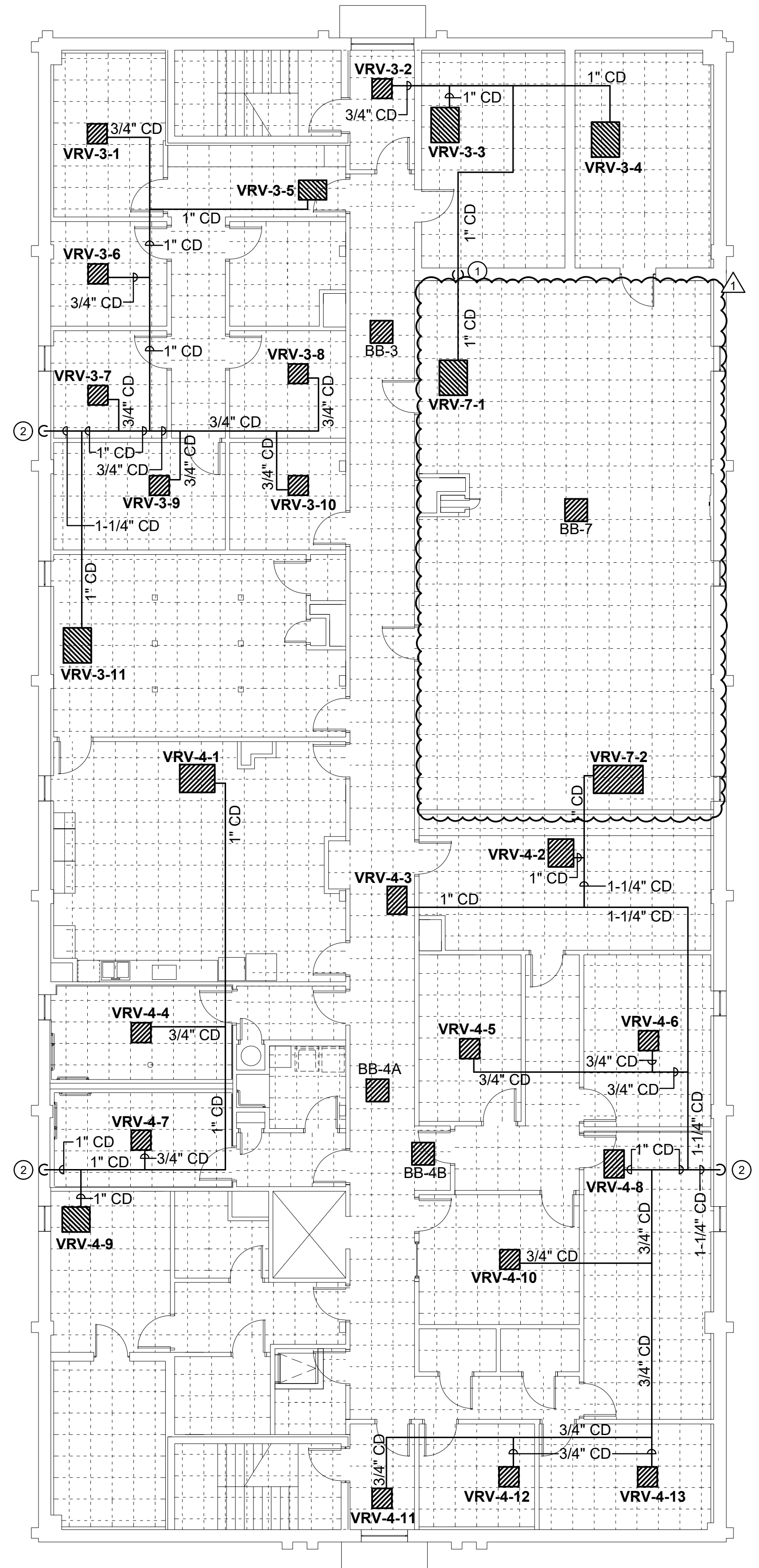
**GENERAL NOTES**  
Dwg # 230200-M3001.DWG

MANUFACTURER TO PROVIDE REFRIGERANT PIPING LAYOUT.

ALL FIRST FLOOR MECHANICAL WORK TO HAPPEN IN PHASE TWO, UNLESS NOTED OTHERWISE.

**KEYED NOTES**  
Dwg # 230200-M3001.DWG

- ALL PIPING AND PIPING ACCESSORIES IN COMPUTER ROOM TO REMAIN. CREATE NEW TRANSITION AT NEW CRAC EVAPORATOR PIPE INLETS/OUTLETS TO EXISTING PIPING IF NECESSARY.
- IN PHASE ONE, DROP CONDENSATE DRAIN PIPE DOWN THROUGH FIRST FLOOR AND ROUTE TO SPLASH BLOCK. THIS SHALL BE ISOLATED FIRST FLOOR WORK DURING PHASE ONE.
- IN PHASE TWO, TAP INTO SECOND FLOOR CONDENSATE DRAIN PIPE IN WALL.
- IN PHASE TWO, ROUTE CONDENSATE DRAIN TO EXISTING FLOOR DRAIN.
- IN PHASE TWO, ROUTE CONDENSATE DRAIN TO EXISTING JANITOR SINK.
- IN PHASE TWO, CONNECT TO EXISTING CONDENSATE DRAIN LINE IN EXTERIOR WALL.



**GENERAL NOTES**  
Dwg # 230200-M3001.DWG

MANUFACTURER TO PROVIDE REFRIGERANT PIPING LAYOUT.

ALL SECOND FLOOR MECHANICAL WORK TO HAPPEN IN PHASE ONE.

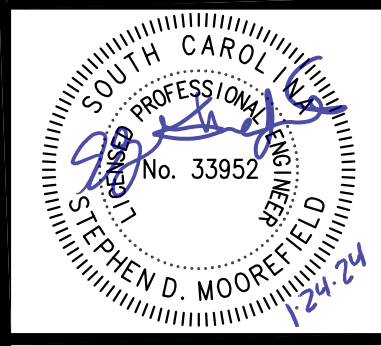
**KEYED NOTES**  
Dwg # 230200-M3001.DWG

- IN PHASE ONE, CONNECT TO EXISTING CONDENSATE DRAIN LINES DOWN THRU WALL TO FIRST FLOOR.
- IN PHASE ONE, DROP CONDENSATE DRAIN PIPE DOWN THROUGH FIRST FLOOR AND ROUTE TO SPLASH BLOCK. THIS SHALL BE ISOLATED FIRST FLOOR WORK DURING PHASE ONE.

**1**  
**M3.1**  
1/8" = 1'-0"  
Dwg # 230200-M3001.DWG  
**MECHANICAL PIPING NEW WORK PLAN - FIRST FLOOR**

**2**  
**M3.1**  
1/8" = 1'-0"  
Dwg # 230200-M3001.DWG  
**MECHANICAL PIPING NEW WORK PLAN - SECOND FLOOR**





Mark	
Date	1/24/24
Revision	ADDENDUM 2

**VRV INDOOR UNIT SCHEDULE**

DRAWING TAG	VRV-1-1	VRV-1-2	VRV-1-3	VRV-1-4	VRV-1-5	VRV-1-6	VRV-1-7	VRV-1-8
SYSTEM	1	1	1	1	1	1	1	1
FLOOR	1	1	1	1	1	1	1	1
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	FXSQ30TAVJU	FXZQ09TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ12TAVJU	FXZQ09TAVJU	FXZQ12TAVJU
TYPE	CONCEALED DUCTED MEDIUM STATIC	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE
AIR FLOW, CFM	810	230	230	230	230	350	315	350
COOLING TOTAL MBH	30	9.5	5.8	5.8	5.8	12	9.5	12
COOLING SENSIBLE MBH	22.6	6.6	4.7	4.7	4.7	7.8	6.6	7.8
HEATING TOTAL MBH	34	10.5	6.5	6.5	6.5	13.5	10.5	13.5
ELECTRICAL								
VOLTS/PH	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
MCA	1.8	0.3	0.3	0.3	0.3	0.4	0.3	0.4
MOP	15	15	15	15	15	15	15	15
ACCESSORIES	1	1	1	1	1	1	1	1
REMARKS	A	A	A	A	A	A	A	A

DRAWING TAG	VRV-2-1	VRV-2-2	VRV-2-3	VRV-2-4	VRV-2-5	VRV-2-6	VRV-2-7	VRV-2-8	VRV-2-9	VRV-2-10	VRV-2-11	VRV-2-12
SYSTEM	2	2	2	2	2	2	2	2	2	2	2	2
FLOOR	1	1	1	1	1	1	1	1	1	1	1	1
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	FXSQ15TAVJU	FXSQ05TAVJU	FXSQ07TAVJU	FXZQ07TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXSQ09TAVJU	FXSQ03TAVJU	FXZQ09TAVJU
TYPE	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CEILING CASSETTE
AIR FLOW, CFM	530	265	230	230	230	230	230	230	230	610	810	350
COOLING TOTAL MBH	15	5.8	7.5	7.5	5.8	5.8	5.8	5.8	5.8	9.5	30	9.5
COOLING SENSIBLE MBH	11.3	4.7	5.8	5.5	4.7	4.7	4.7	4.7	4.7	7	22.6	6.6
HEATING TOTAL MBH	17	6.5	8.5	8.5	6.5	6.5	6.5	6.5	6.5	10.5	34	10.5
ELECTRICAL												
VOLTS/PH	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
MCA	1.4	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.8	1.8	0.3
MOP	15	15	15	15	15	15	15	15	15	15	15	15
ACCESSORIES	1	1	1	1	1	1	1	1	1	1	1	1
REMARKS	A	A	A	A	A	A	A	A	A	A	A	A

DRAWING TAG	VRV-3-1	VRV-3-2	VRV-3-3	VRV-3-4	VRV-3-5	VRV-3-6	VRV-3-7	VRV-3-8	VRV-3-9	VRV-3-10	VRV-3-11
SYSTEM	3	3	3	3	3	3	3	3	3	3	3
FLOOR	2	2	2	2	2	2	2	2	2	2	2
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	FXZQ05TAVJU	FXZQ07TAVJU	FXSQ03TAVJU	FXZQ04TAVJU	FXSQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXSQ08TAVJU
TYPE	CEILING CASSETTE	CEILING CASSETTE	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CONCEALED DUCTED MEDIUM STATIC
AIR FLOW, CFM	230	265	810	740	230	230	230	230	230	230	600
COOLING TOTAL MBH	5.8	7.5	30	24	5.8	5.8	5.8	5.8	5.8	5.8	18
COOLING SENSIBLE MBH	4.7	5.5	22.6	17.1	4.7	4.7	4.7	4.7	4.7	4.7	13.6
HEATING TOTAL MBH	6.5	8.5	34	27	6.5	6.5	6.5	6.5	6.5	6.5	20
ELECTRICAL											
VOLTS/PH	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
MCA	0.3	0.3	1.8	1.8	0.8	0.3	0.3	0.3	0.3	0.3	1.6
MOP	15	15	15	15	15	15	15	15	15	15	15
ACCESSORIES	1	1	1	1	1	1	1	1	1	1	1
REMARKS	A	A	A	A	A	A	A	A	A	A	A

DRAWING TAG	VRV-4-1	VRV-4-2	VRV-4-3	VRV-4-4	VRV-4-5	VRV-4-6	VRV-4-7	VRV-4-8	VRV-4-9	VRV-4-10	VRV-4-11	VRV-4-12	VRV-4-13
SYSTEM	4	4	4	4	4	4	4	4	4	4	4	4	4
FLOOR	2	2	2	2	2	2	2	2	2	2	2	2	2
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	FXSQ24TAVJU	FXSQ15TAVJU	FXSQ09TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXSQ15TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU	FXZQ05TAVJU
TYPE	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE	CEILING CASSETTE
AIR FLOW, CFM	740	530	320	230	230	230	230	320	530	230	230	230	230
COOLING TOTAL MBH	24	15	9.5	5.8	5.8	5.8	5.8	9.5	15	5.8	5.8	5.8	5.8
COOLING SENSIBLE MBH	17.1	11.3	7	4.7	4.7	4.7	4.7	7	11.3	4.7	4.7	4.7	4.7
HEATING TOTAL MBH	27	17	10.5	6.5	6.5	6.5	6.5	10.5	17	6.5	6.5	6.5	6.5
ELECTRICAL													
VOLTS/PH	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
MCA	1.8	1.4	0.8	0.3	0.3	0.3	0.3	0.8	1.4	0.3	0.3	0.3	0.3
MOP	15	15	15	15	15	15	15	15	15	15	15	15	15
ACCESSORIES	1	1	1	1	1	1	1	1	1	1	1	1	1
REMARKS	A	A	A	A	A	A	A	A	A	A	A	A	A

DRAWING TAG	VRV-5-1	VRV-5-2	VRV-6-1	VRV-6-2	VRV-7-1	VRV-7-2
SYSTEM	5	5	6	6	6	6
FLOOR	1	1	2	2	2	2
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	FXSQ44TAVJU	FXSQ44TAVJU	FXSQ44TAVJU	FXSQ44TAVJU	FXSQ44TAVJU	FXSQ44TAVJU
TYPE	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED MEDIUM STATIC	CONCEALED DUCTED HIGH STATIC
AIR FLOW, CFM	1380	1380	1380	1380	1130	2050
COOLING TOTAL MBH	54	54	54	54	36	72
COOLING SENSIBLE MBH	38.6	38.6	38.6	38.6	25.7	56.9
HEATING TOTAL MBH	60	60	60	60	40	81
ELECTRICAL						
VOLTS/PH	208/1	208/1	208/1	208/1	208/1	208/1
MCA	3.3	3.3	3.3	3.3	2.5	9.5
MOP	15	15	15	15	15	15
ACCESSORIES	1	1	1	1	1	1
REMARKS	A	A	A	A	A	A

**ACCESSORIES:**  
1. NEMA-1 TOGGLE SWITCH PROVIDED BY MECHANICAL CONTRACTOR.

**REMARKS:**  
A. SEE CONTROL DIAGRAMS FOR CONTROL REQUIREMENTS.

**VRV BRANCH BOXES**

DRAWING TAG	BB-1	BB-2	BB-3	BB-4	BB-4B	BB-5	BB-6	BB-7
SYSTEM	VRV-1	VRV-2	VRV-3	VRV-4	VRV-4	VRV-5	VRV-6	VRV-7
CONNECTED INDOOR UNITS	ALL SYSTEM 1	ALL SYSTEM 2	ALL SYSTEM 3	1 THRU 5	6 THRU 13	ALL SYSTEM 5	ALL SYSTEM 6	ALL SYSTEM 7
MANUFACTURER	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
MODEL	BSF8054TVJ	BS12054TVJ	BS12054TVJ	BSF6054TVJ	BSF8054TVJ	BSF4054TVJ	BSF4054TVJ	BSF4054TVJ
VOLTA GE/PHASE	208/1	208/1	208/1	208/1	208/1	208/1	208/1	208/1
AMPS	0.8	1.2	1.2	0.6	0.8	0.4	0.4	0.4

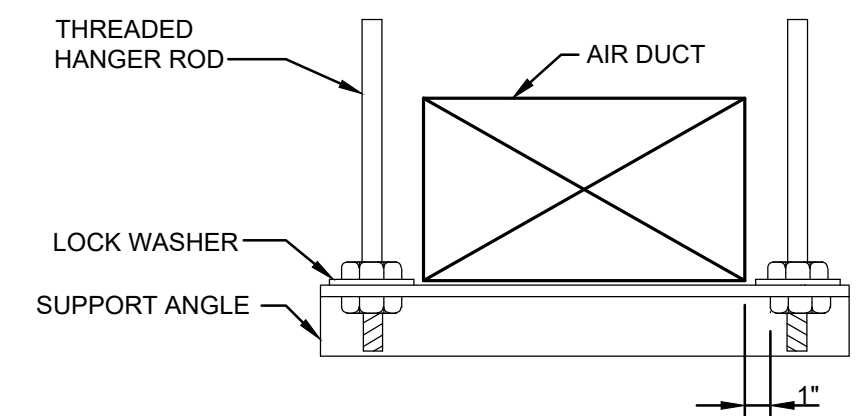
**REMARKS:**  
A. PIPING LAYOUT TO BE PROVIDED BY MANUFACTURER.

AIR DISTRIBUTION SCHEDULE									
TAG	TYPE	MANUFACTURER	PRICE	MODEL	FRAME	MATERIAL	FINISH	APPLICATION	ACCESSORIES
SA-10A-1	SUPPLY DIFFUSER			AMD	33	ALUMINUM	WHITE	LAY-IN	1
RA-1	RETURN GRILLE			630	3P	ALUMINUM	WHITE	LAY-IN	
EA-1	EXHAUST GRILLE			630	3P	ALUMINUM	WHITE	LAY-IN	2

**ACCESSORIES:**  
1. SQUARE TO ROUND NECK ADAPTOR  
2. OBD FOR DUCTED EXHAUST

**DEDICATED OUTSIDE AIR SYSTEM (DOAS) SCHEDULE**

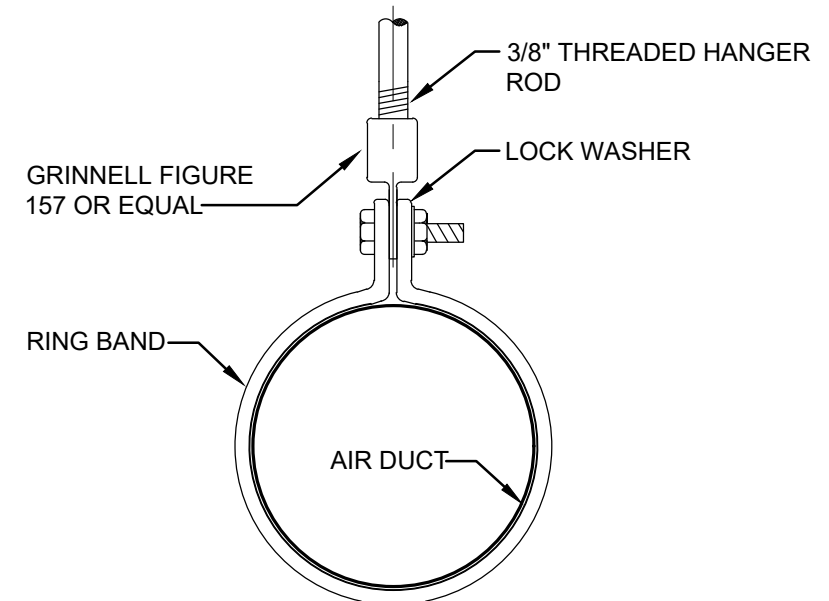
DRAWING TAG	DOAS-1
AREA SERVED	FULL BLDG
LOCATION	ROOFTOP
MANUFACTURER	GREENHECK
MODEL	RVE-40
SUPPLY FAN	
QTY	1
SUPPLY CFM TOTAL	1930
RFM	1517
EXTERNAL STATIC PRESS, IN WG	1.3
DRIVE	DIRECT
MOTOR HP	1-1/2
EXHAUST FAN	
QTY	1
EXHAUST CFM TOTAL	1500
RFM	1356
EXTERNAL STATIC PRESS, IN WG	1.3
DRIVE	DIRECT
MOTOR HP	1
COOLING	
TYPE	AIR SOURCE HEAT PUMP
EAT, F, db/w/b	81.6/67.2
LAT, F, db/w/b	51.7/51.5
SENSIBLE CAPACITY, MBH	63.3
TOTAL CAPACITY, MBH	92.7
REHEAT LAT, F	76.8
ISMRE	7.6
COMPRESSOR TYPE	INVERTER
PRIMARY HEAT	
TYPE	AIR SOURCE HEAT PUMP
TOTAL CAPACITY, MBH	41
EAT, F	49.3
LAT, F	68.9
COP47	3.4
SECONDARY HEAT	
TYPE	ELECTRIC SCR
CAPACITY, KW	20.4
EAT, F	49.3
LAT, F	82.7
ENERGY RECOVERY	
TYPE	ENTHALPY WHEEL
SUPPLY AIR FLOW, cfm	1930
EXHAUST AIR FLOW, cfm	1500
SUMMER PERFORMANCE	
OUTSIDE AIR, db/w/b	93/74
RETURN AIR, db/w/b	



ALUMINUM DUCT			
AIR DUCT SIZE MAX. DUCT DIM.	ROD SIZE	SUPPORT ANGLE ALUMINUM 6061-T6	MAXIMUM SPACING
UP TO 36"	3/8"	2" x 2" x 3/16"	8'-0" O.C.
37" - 59"	3/8"	2 1/2" x 2 1/2" x 3/16"	8'-0" O.C.

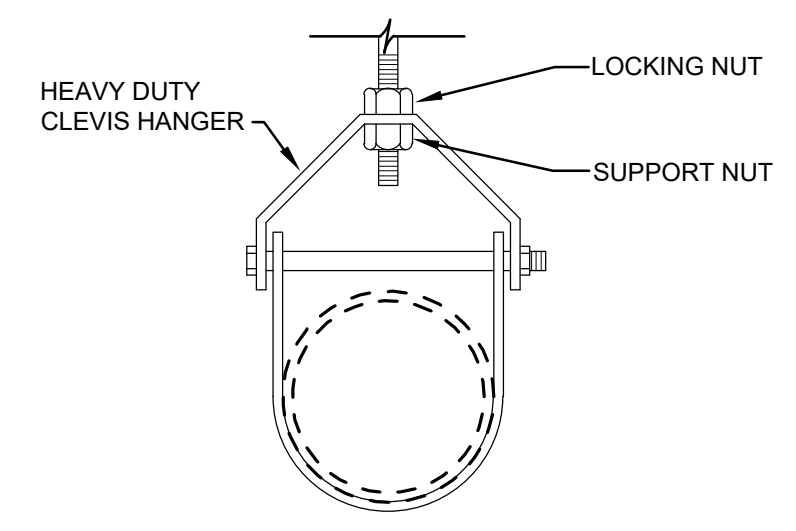
GALVANIZED DUCT			
AIR DUCT SIZE MAX. DUCT DIM.	ROD SIZE	SUPPORT ANGLE STEEL, ASTM A-36	MAXIMUM SPACING
UP TO 36"	3/8"	1 1/2" x 1 1/2" x 1/4"	8'-0" O.C.
37" - 59"	3/8"	2" x 2" x 3/8"	8'-0" O.C.
60" - 83"	3/8"	2" x 2" x 3/8"	6'-0" O.C.
84" - 100"	3/8"	3" x 3" x 3/8"	6'-0" O.C.
100" - 118"	3/8"	3 1/2" x 3 1/2" x 3/8"	6'-0" O.C.

GALVANIZED DUCT WITH MAXIMUM 10'-0" SPACING			
AIR DUCT SIZE MAX. DUCT DIM.	ROD SIZE	SUPPORT ANGLE STEEL, ASTM A-36	MAXIMUM SPACING
UP TO 36"	3/8"	1 1/2" x 1 1/2" x 1/4"	10'-0" O.C.
37" - 58"	3/8"	2" x 2" x 3/8"	10'-0" O.C.
59"	1/2"	2 1/2" x 2 1/2" x 3/8"	10'-0" O.C.
60" - 83"	1/2"	2 1/2" x 2 1/2" x 3/8"	8'-0" O.C.
84" - 100"	1/2"	3" x 3" x 3/8"	8'-0" O.C.
100" - 118"	1/2"	3 1/2" x 3 1/2" x 3/8"	8'-0" O.C.

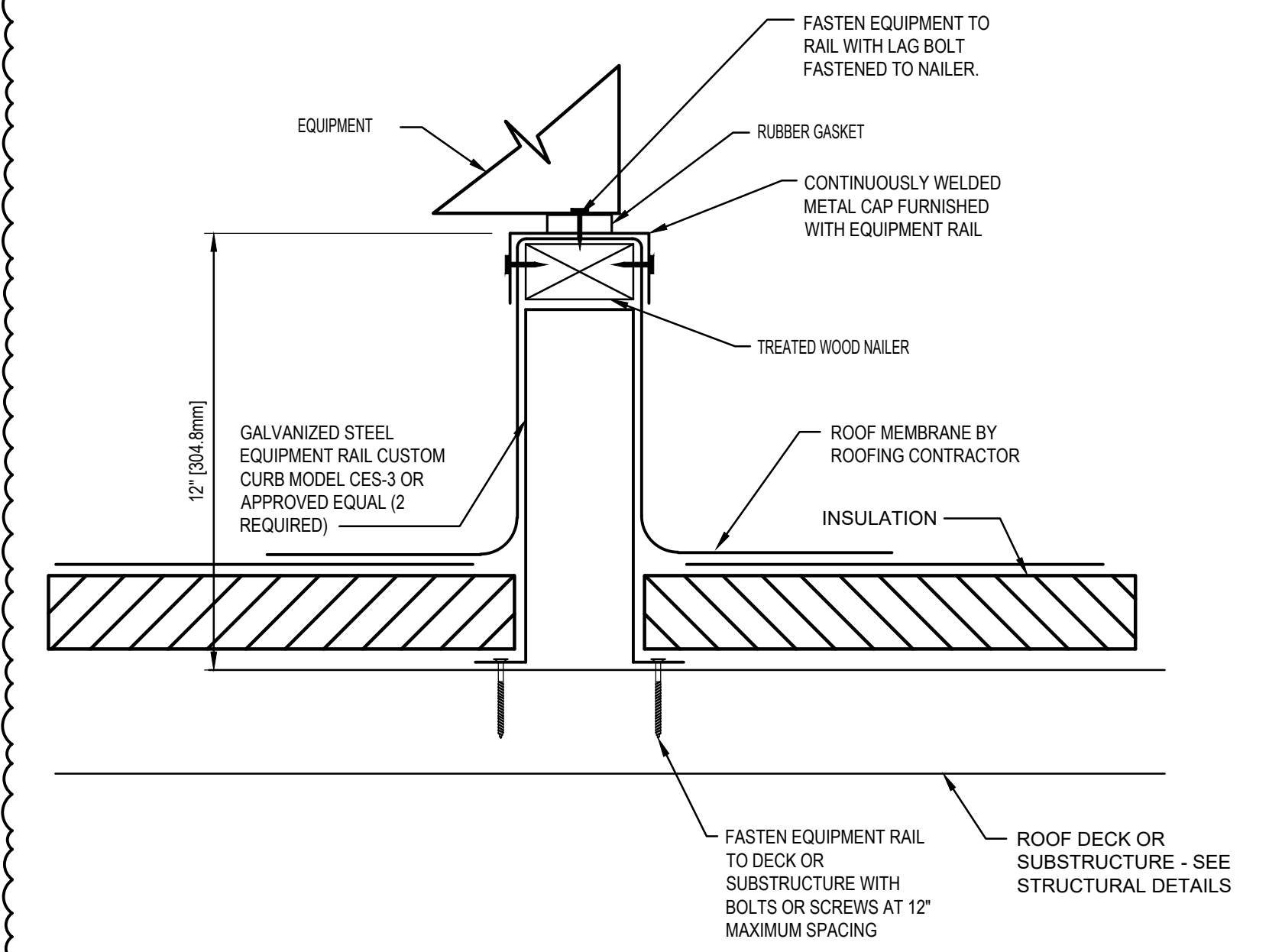


GALVANIZED STEEL DUCT			
AIR DUCT SIZE	RING BAND SIZE	RING BAND BOLT SIZE	MAXIMUM SPACING
UP TO 18" DIA.	1" x 1/8"	2" x 3/8"	8'-0"
19" - 36" DIA.	1 1/2" x 1/8"	2" x 3/8"	8'-0"

**ROUND DUCT SUPPORTER  
(UP TO 36" DIAMETER)**  
FULL SCALE  
Dwg # 230200-M8006.DWG

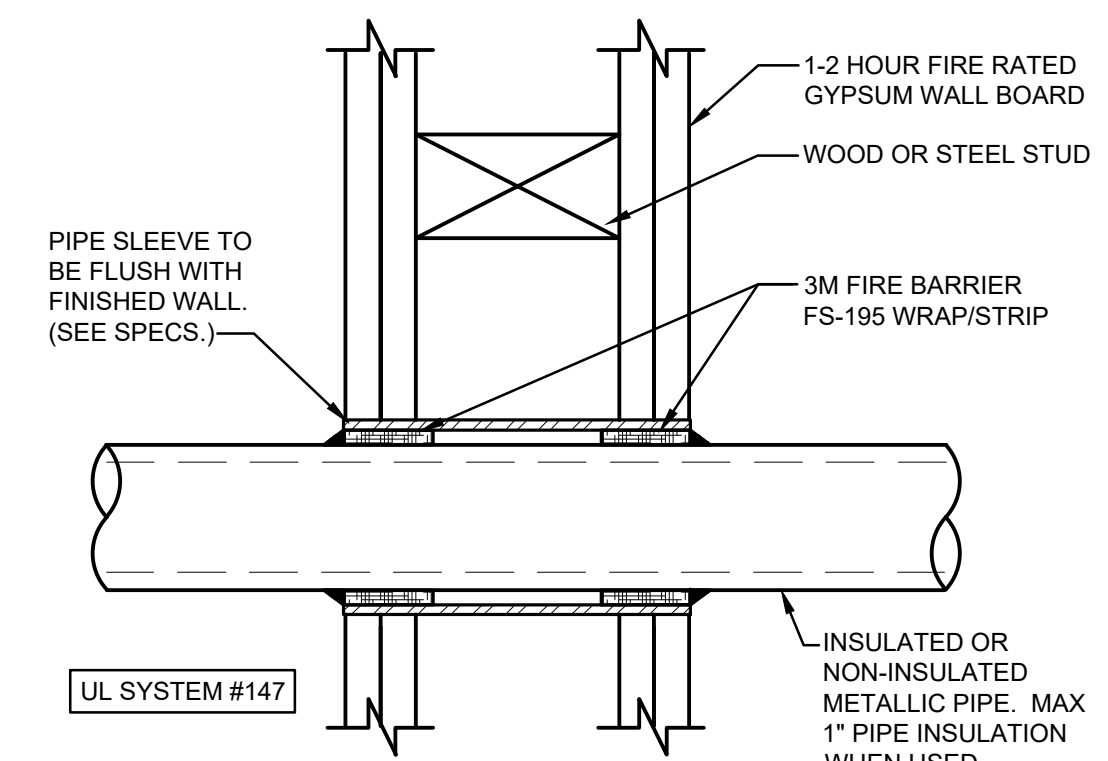


**CLEVIS HANGER DETAIL**  
FULL SCALE  
Dwg # 230200-M8007.DWG



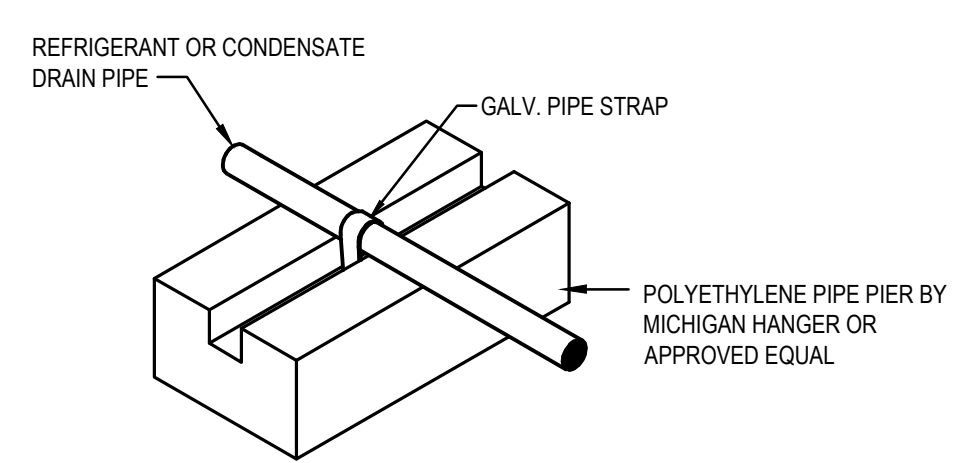
**TYPICAL ROOF MOUNTED RAIL  
INSTALLATION DETAIL**  
NO SCALE  
Dwg # 230200-M8011.DWG

**TRAPEZE SUPPORT  
(MAX. 2" W.G. MAX. 2000 FPM)**  
NO SCALE  
Dwg # 230200-M8003.DWG



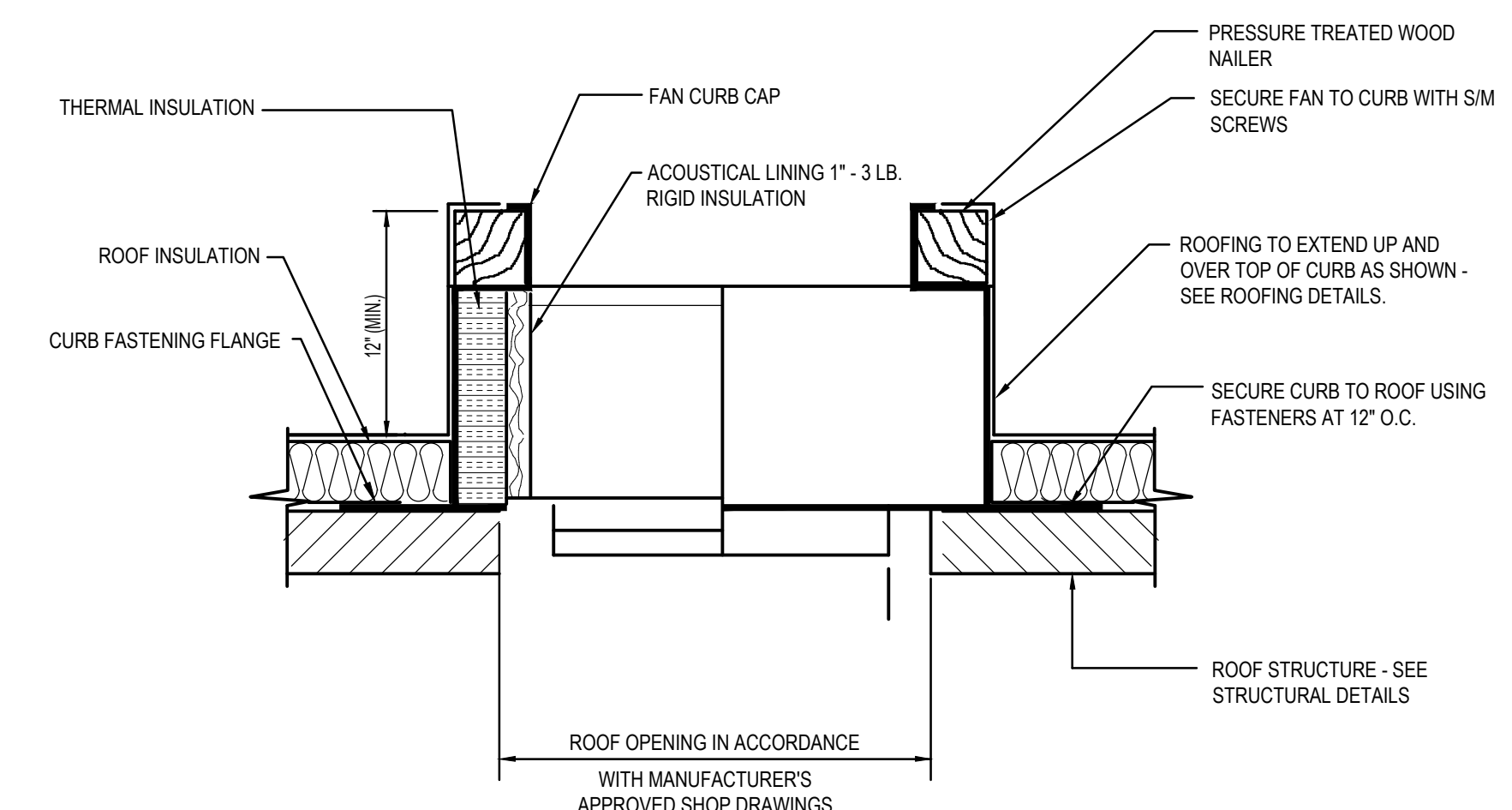
- NOTES:**
- THE SPACE BETWEEN THE PENETRATING ITEM AND SLEEVE MUST ACCOMMODATE AT LEAST ONE WRAP (1/4") OF 3M FIRE BARRIER FS-195 WRAP/STRIP.
  - IF THE ANNULAR SPACE IS LESS THAN 1/2", ONE WRAP OF FS-195 WRAP/STRIP IS REQUIRED. IF THE ANNULAR SPACE IS 1/2" OR GREATER, FILL WITH ADDITIONAL WRAPS OF FS-195 WRAP/STRIP UNTIL THE ANNULAR SPACE IS LESS THAN 1/4". FS-195 WRAP/STRIPS MAY BE FRICTION FIT INTO OPENING.
  - SLIDE THE FS-195 WRAP/STRIPS INTO THE OPENING, LEAVING A MAX. 3/4" EXPOSED WRAP BEYOND THE WALL SURFACE.
  - SEAL THE FS-195 WRAP/STRIP EDGES AND SEAMS WITH A 1/4" MIN. BEAD OF 3M FIRE BARRIER CP 25 CAULK.
  - INSTALL 3M FIRESTOP ON BOTH SIDES OF WALL.
  - THESE RECOMMENDATIONS ARE BASED ON PRODUCT PERFORMANCE PER ASTM E-814 (UL 1479) FIRE TEST AND UL THROUGH-PENETRATION FIRESTOP SYSTEM #147.

**PENETRATION FIRESTOP FOR INSULATED OR NON-INSULATED  
METAL PIPE THRU 1 OR 2 HR. RATED GYPSUM WALLBOARD**  
NO SCALE  
Dwg # 230200-M8010.DWG



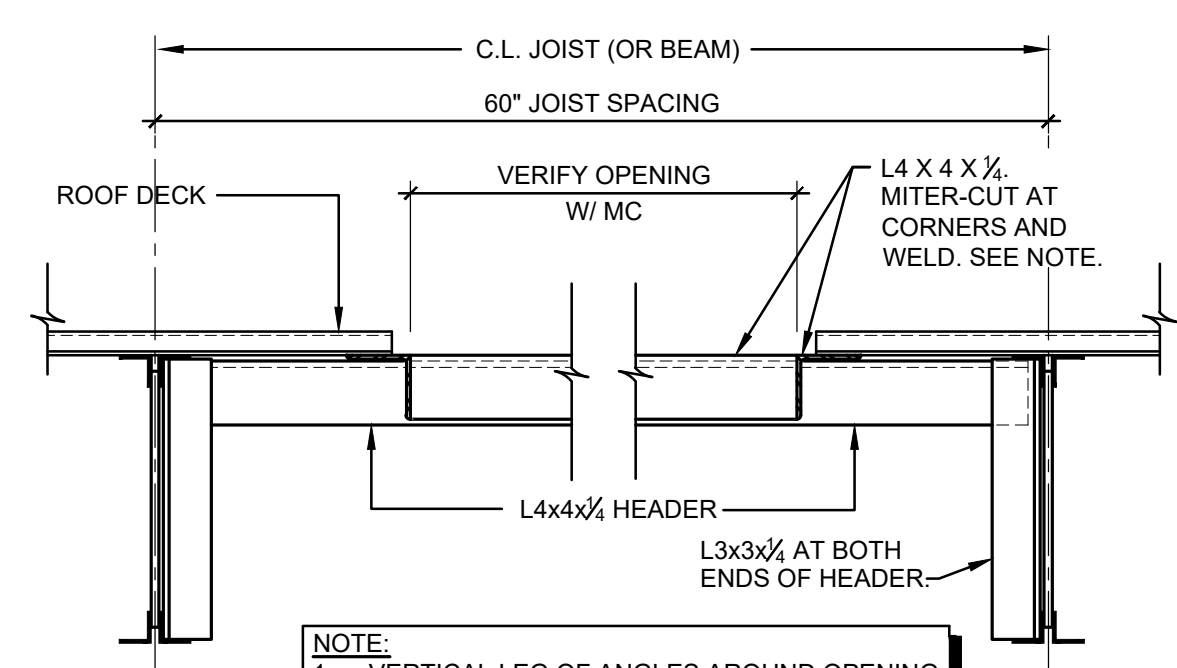
- NOTES:**
- SET PIPE SUPPORTS PER MANUFACTURER'S RECOMMENDATIONS.
  - PROVIDE APPROVED ROOF WALK PAD MATERIALS UNDERNEATH ALL PIPE SUPPORTS. DO NOT INSTALL SUPPORTS DIRECTLY ON MEMBRANE ROOF.
  - DETAIL SHALL ALSO APPLY TO PVC CONDENSATE DRAIN PIPES. LOCATE SUPPORTS AT MAXIMUM 5'-0" O.C. TO PREVENT PIPE FROM SAGGING BETWEEN SUPPORTS. STACK SUPPORT BLOCKS AS REQUIRED TO CREATE SLOPE ON GRAVITY DRAIN PIPES.

**TYPICAL PIPE ON ROOF SUPPORT DETAIL**  
NO SCALE  
Dwg # 230200-M8011.DWG



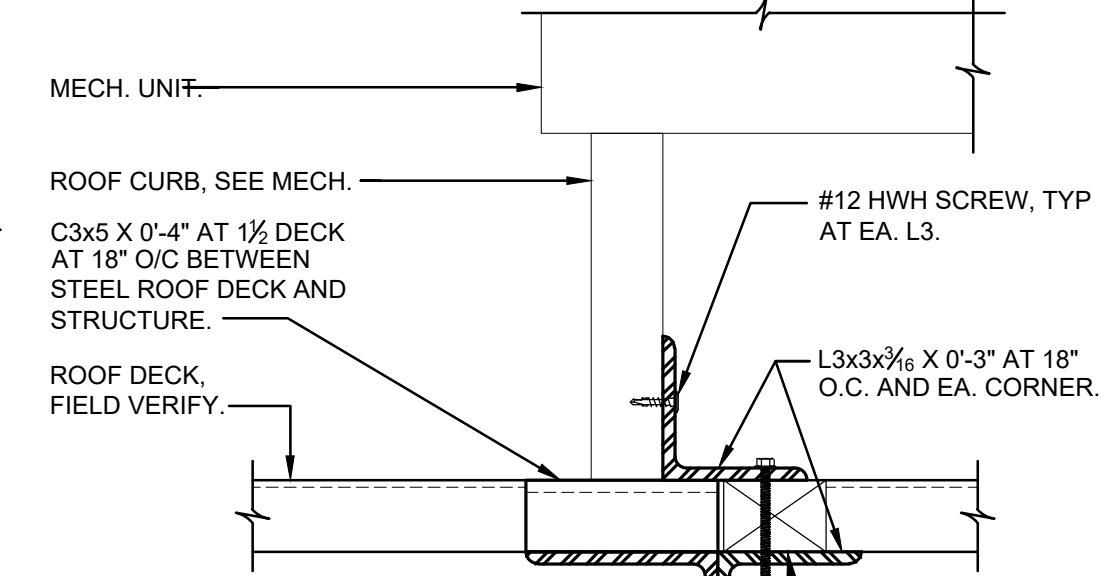
- NOTES:**
- SHIM CURB INSTALLATION AS REQUIRED SO THAT CURB TOP IS DEAD LEVEL.
  - STANDARD ROOF CURB HEIGHT SHALL BE 12" ABOVE FINISHED ROOF SURFACE. SPECIAL HEIGHTS SHALL BE PROVIDED AS REQUIRED TO MATCH ROOFING INSULATION THICKNESS.
  - ALL ROOFING MATERIALS AND CURB FLASHING SHALL MATCH EXISTING.

**STANDARD THERMAL-ACOUSTICAL CURB  
INSTALLATION DETAIL**  
NO SCALE  
Dwg # 230200-M8011.DWG



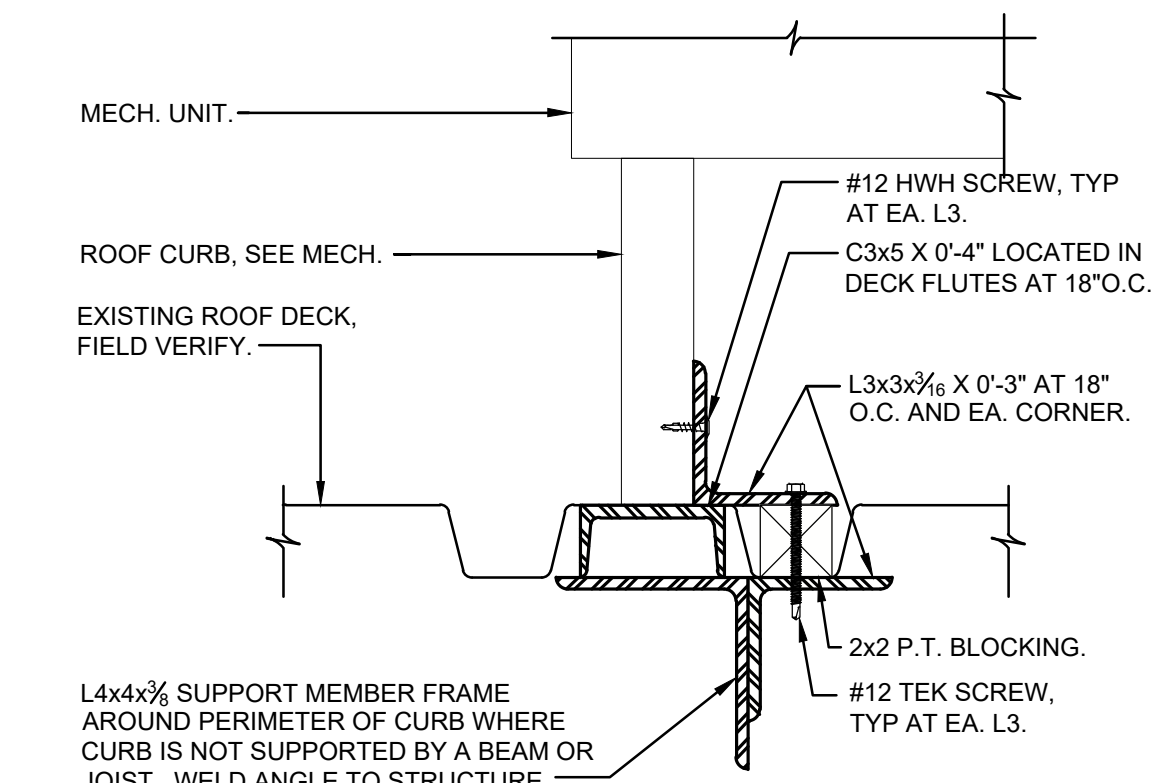
- NOTE:**
- VERTICAL LEG OF ANGLES AROUND OPENING MAY BE TURNED UP OR DOWN AS REQUIRED TO SUIT NEEDS OF CURB. INSTALLER VERIFY OTHER FEATURES SUCH AS ROOF MATERIALS, WOOD BLOCKING, FLASHING ETC. ARE NOT SHOWN. SEE OTHER DRAWINGS.
  - DETAIL APPLIES FOR MECHANICAL OPENINGS WITH MAXIMUM DIMENSION OF 6'-0" X 6'-0"

**TYPICAL DETAIL  
FRAMED ROOF OPENING**  
M5.2 3" = 1'-0"  
Dwg # 230200-S8001.DWG

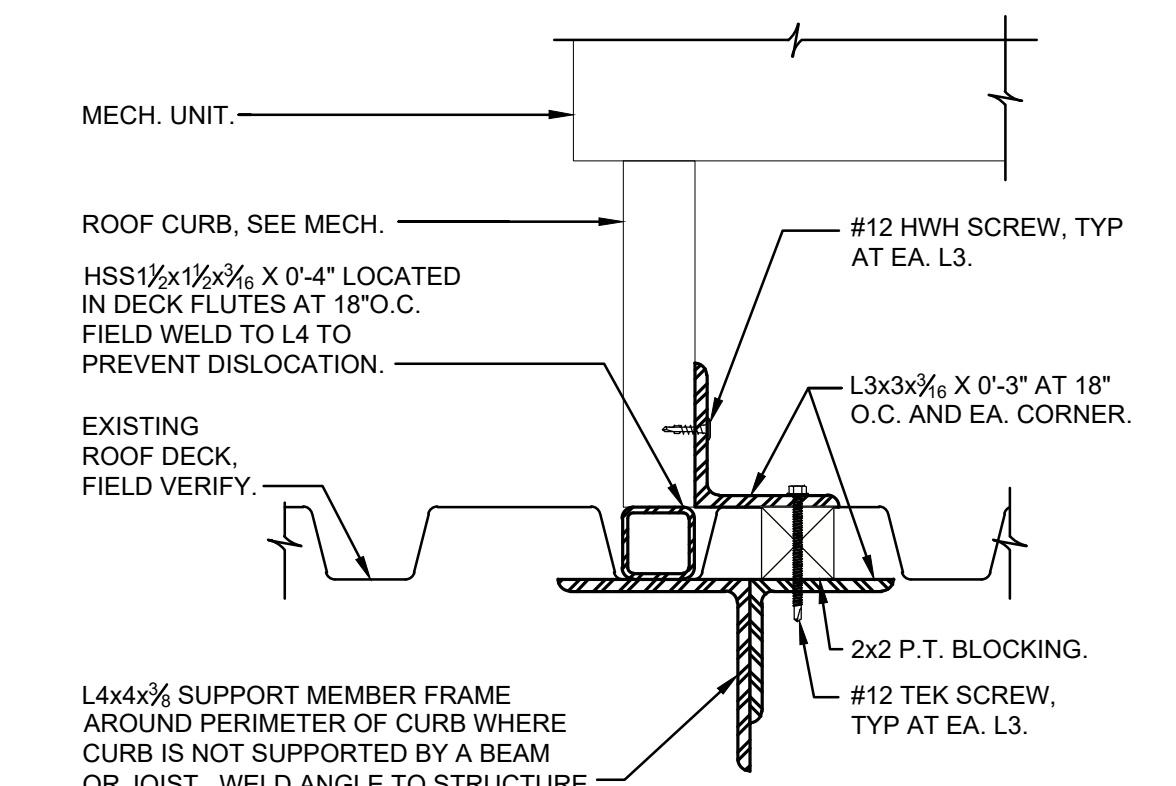


- NOTE:**
- VERTICAL LEG OF ANGLES AROUND PERIMETER OF CURB WHERE CURB IS NOT SUPPORTED BY A BEAM OR JOIST. WELD ANGLE TO STRUCTURE.

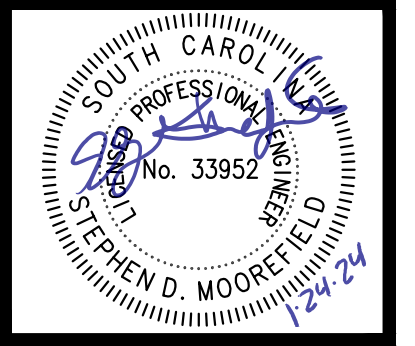
**TYPICAL DETAIL  
FRAME BELOW ROOF CURBS**  
M5.2 3" = 1'-0"  
Dwg # 230200-S8004.DWG



**TYPICAL DETAIL WHEN CURB RUNS PARALLEL  
TO DECK AND IS LOCATED ABOVE FLUTE**  
M5.2 3" = 1'-0"  
Dwg # 230200-S8003.DWG

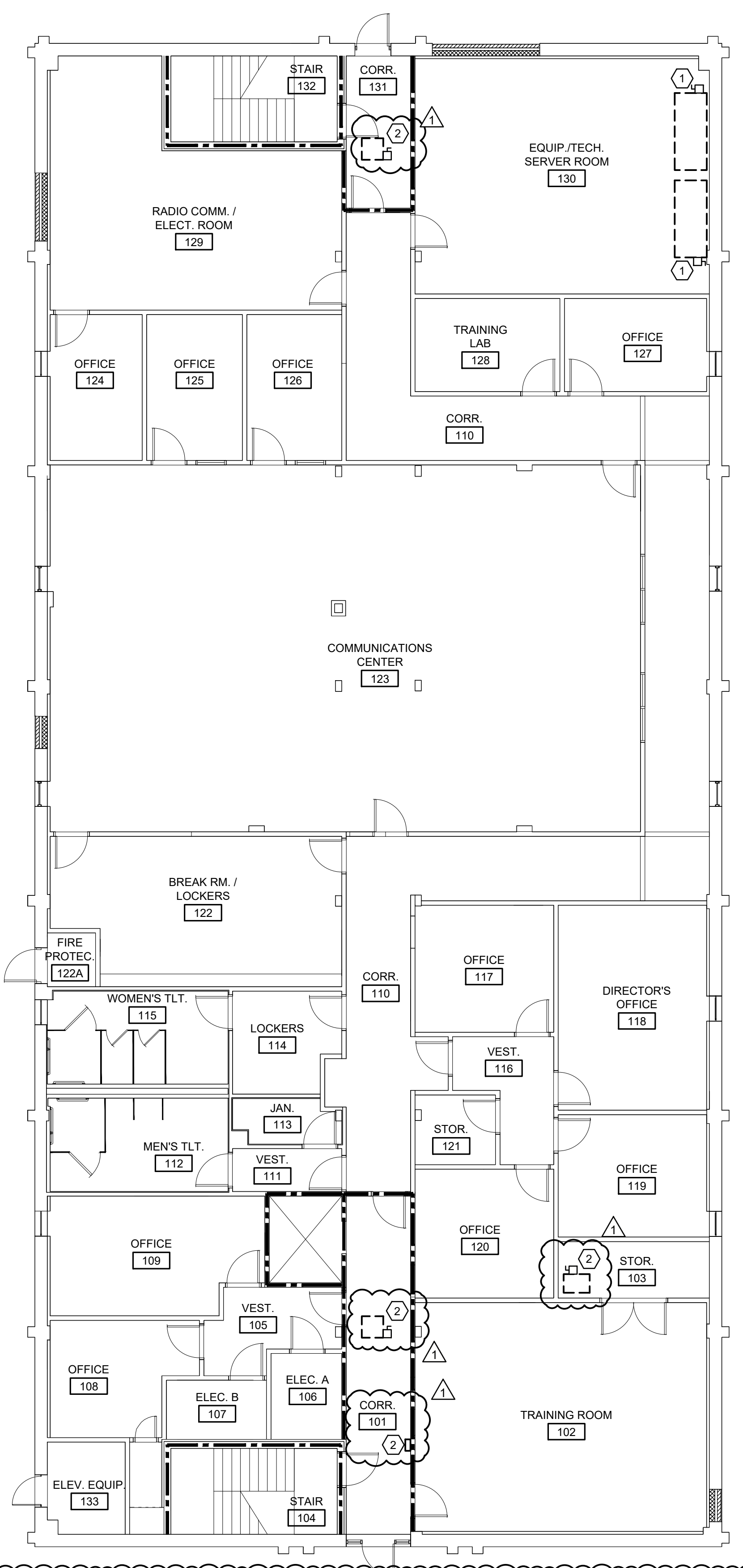
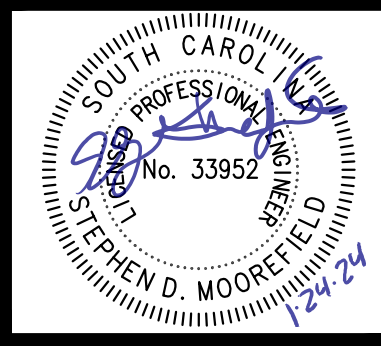


**TYPICAL DETAIL WHEN CURB RUNS PARALLEL  
TO DECK AND IS LOCATED IN A FLUTE**  
M5.2 3" = 1'-0"  
Dwg # 230200-S8002.DWG

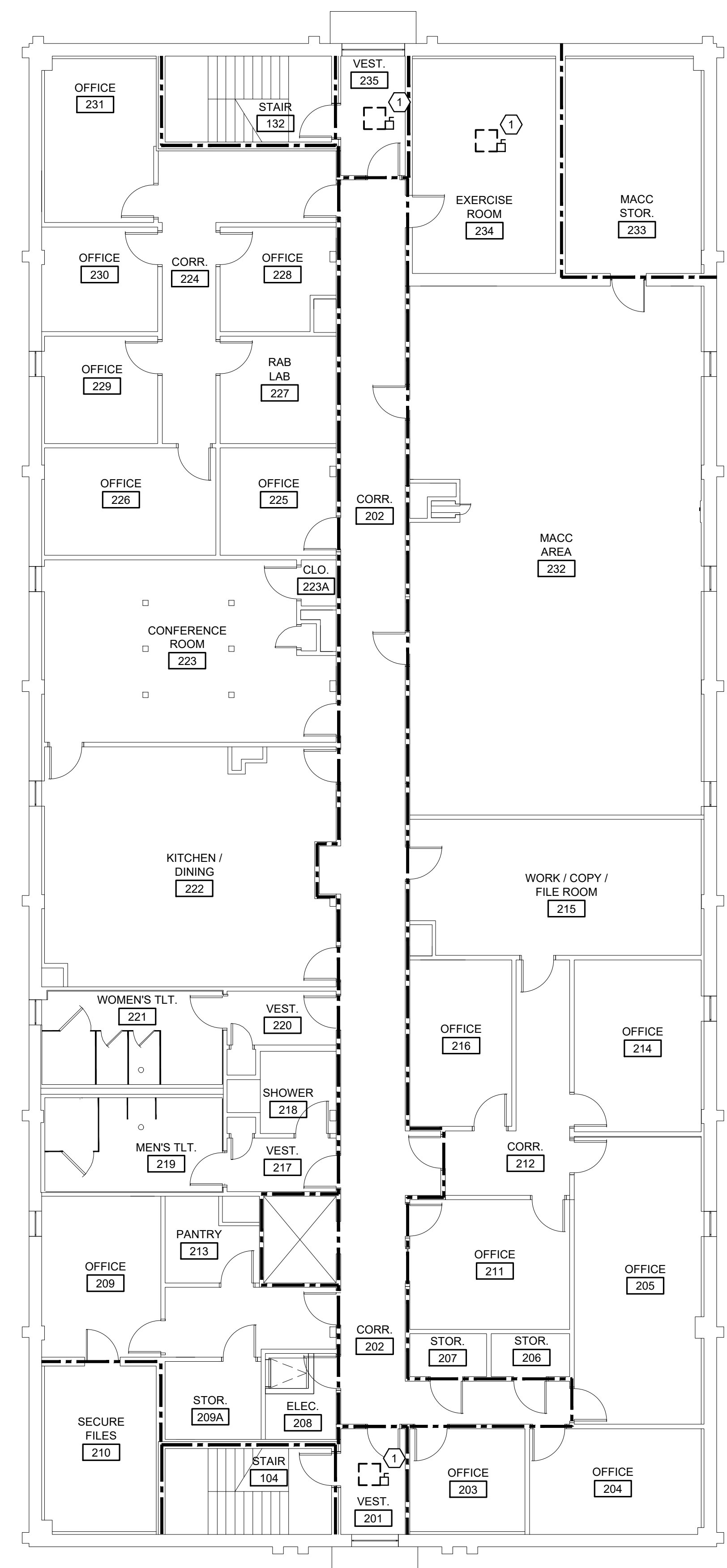


Revision	Date	Mark
ADDENDUM 2	1/24/24	

PRELIMINARY: NOT FOR CONSTRUCTION



- NOTES KEYED TO PLAN**  
Dwg.# 230200-E2001.DWG
- ① EXISTING HVAC EQUIPMENT TO BE DEMOLISHED BY OTHERS. REMOVE DISCONNECT SWITCH AND MAINTAIN CIRCUIT FOR RECONNECTION. SEE NEW WORK PLAN.
  - ② EXISTING HVAC EQUIPMENT TO BE DEMOLISHED BY OTHERS. REMOVE DISCONNECT SWITCH. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.



- NOTES KEYED TO PLAN**  
Dwg.# 230200-E2001.DWG
- ① EXISTING HVAC EQUIPMENT TO BE DEMOLISHED BY OTHERS. REMOVE DISCONNECT SWITCH. REMOVE CONDUIT AND CONDUCTORS BACK TO SOURCE.

**1**  
**ELECTRICAL DEMOLITION PLAN - FIRST FLOOR PHASE TWO**  
ED2.0  
1/8" = 1'-0"  
Dwg.# 230200-E2000.DWG

**2**  
**ELECTRICAL DEMOLITION PLAN - SECOND FLOOR PHASE ONE**  
ED2.0  
1/8" = 1'-0"  
Dwg.# 230200-E2000.DWG

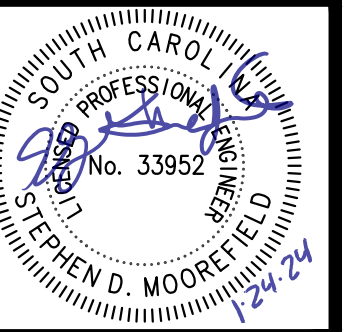
PRELIMINARY: NOT FOR CONSTRUCTION

Mark	Date	Revision
▲	1/24/24	ADDENDUM 2

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**ELECTRICAL DEMOLITION PLANS**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 07-XX-23

**ED2.0**



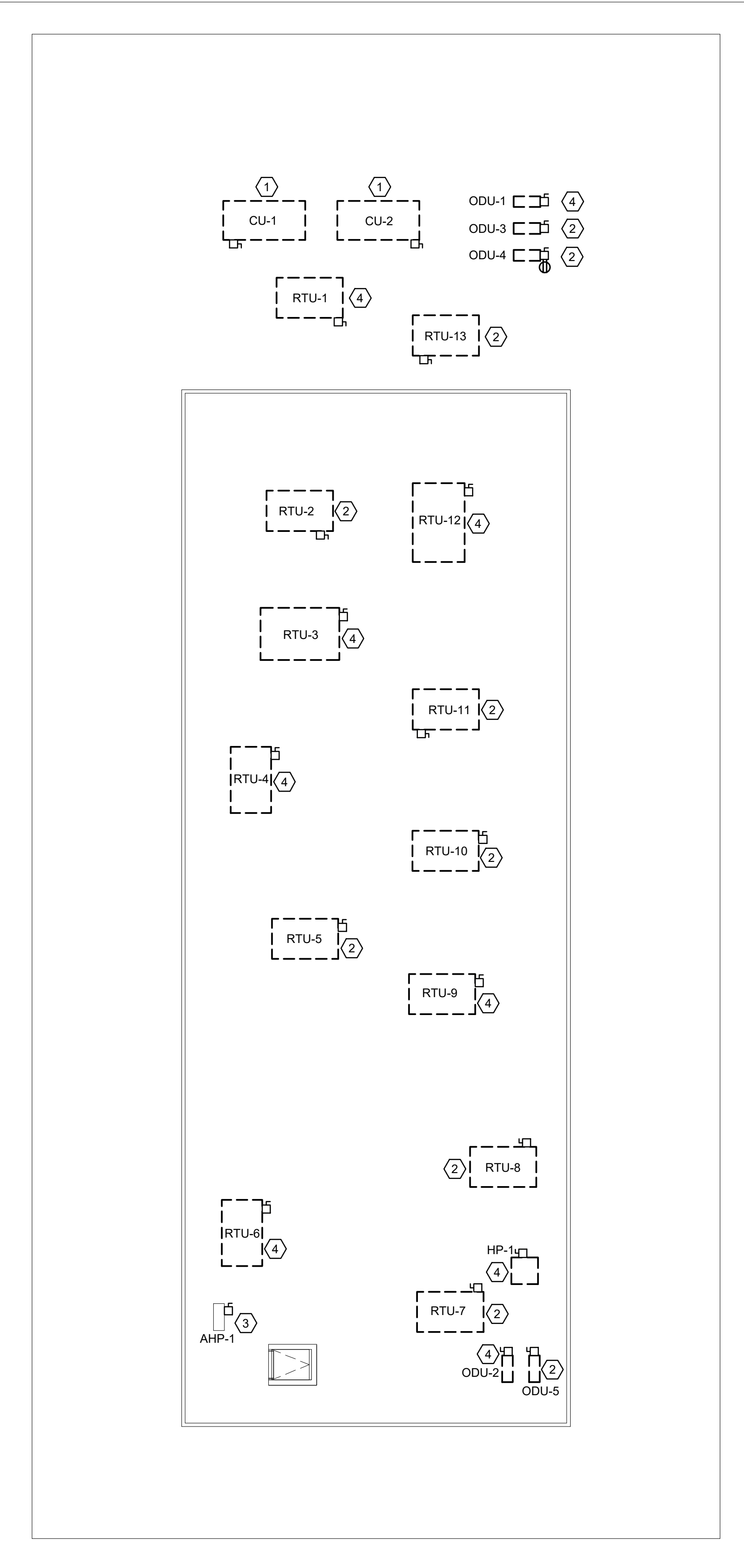
Mark	Date	Revision
△	1/24/24	ADDENDUM 2

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**ELECTRICAL DEMOLITION ROOF PLAN**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 07-XX-23

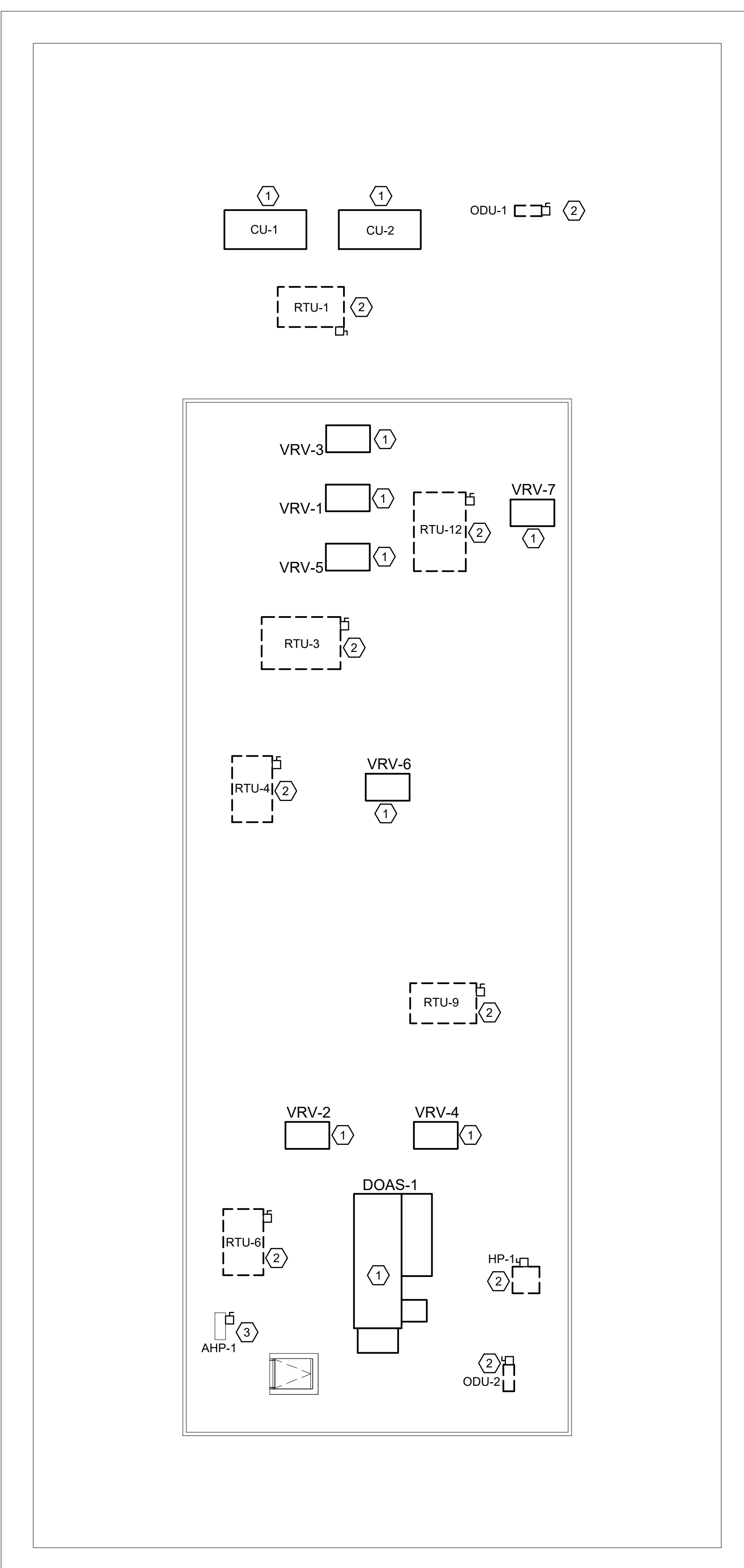
**ED2.1**

PRELIMINARY: NOT FOR CONSTRUCTION



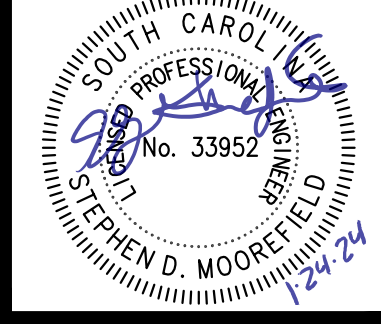
**1**  
**ELECTRICAL DEMOLITION PLAN - ROOF**  
**PHASE ONE**  
1/8" = 1'-0"  
Dwg.# 230200-E2001.DWG

- NOTES KEYED TO PLAN**  
Dwg.# 230200-E2001.DWG
- ① EXISTING HVAC EQUIPMENT TO BE DEMOLISHED BY OTHERS. REMOVE DISCONNECT SWITCH AND MAINTAIN CIRCUIT FOR RECONNECTION. SEE NEW WORK PLAN.
  - ② PHASE ONE, EXISTING HVAC EQUIPMENT TO BE DEMOLISHED BY OTHERS. REMOVE DISCONNECT, CONDUIT AND CONDUCTORS BACK TO PANEL M2. SEAL CONDUIT PENETRATIONS IN ROOF.
  - ③ EXISTING EQUIPMENT TO REMAIN.
  - ④ EXISTING EQUIPMENT SERVING FIRST FLOOR TO REMAIN DURING PHASE ONE.



**2**  
**ELECTRICAL DEMOLITION PLAN - ROOF**  
**PHASE TWO**  
1/8" = 1'-0"  
Dwg.# 230200-E2001.DWG

- NOTES KEYED TO PLAN**  
Dwg.# 230200-E2001.DWG
- ① EXISTING EQUIPMENT INSTALLED IN PHASE ONE TO REMAIN.
  - ② PHASE TWO, EXISTING HVAC EQUIPMENT TO BE DEMOLISHED BY OTHERS. REMOVE DISCONNECT, CONDUIT AND CONDUCTORS BACK TO PANEL M2. SEAL CONDUIT PENETRATIONS IN ROOF.
  - ③ EXISTING EQUIPMENT TO REMAIN.



Revision	Date	Mark
ADDENDUM 2	1/24/24	

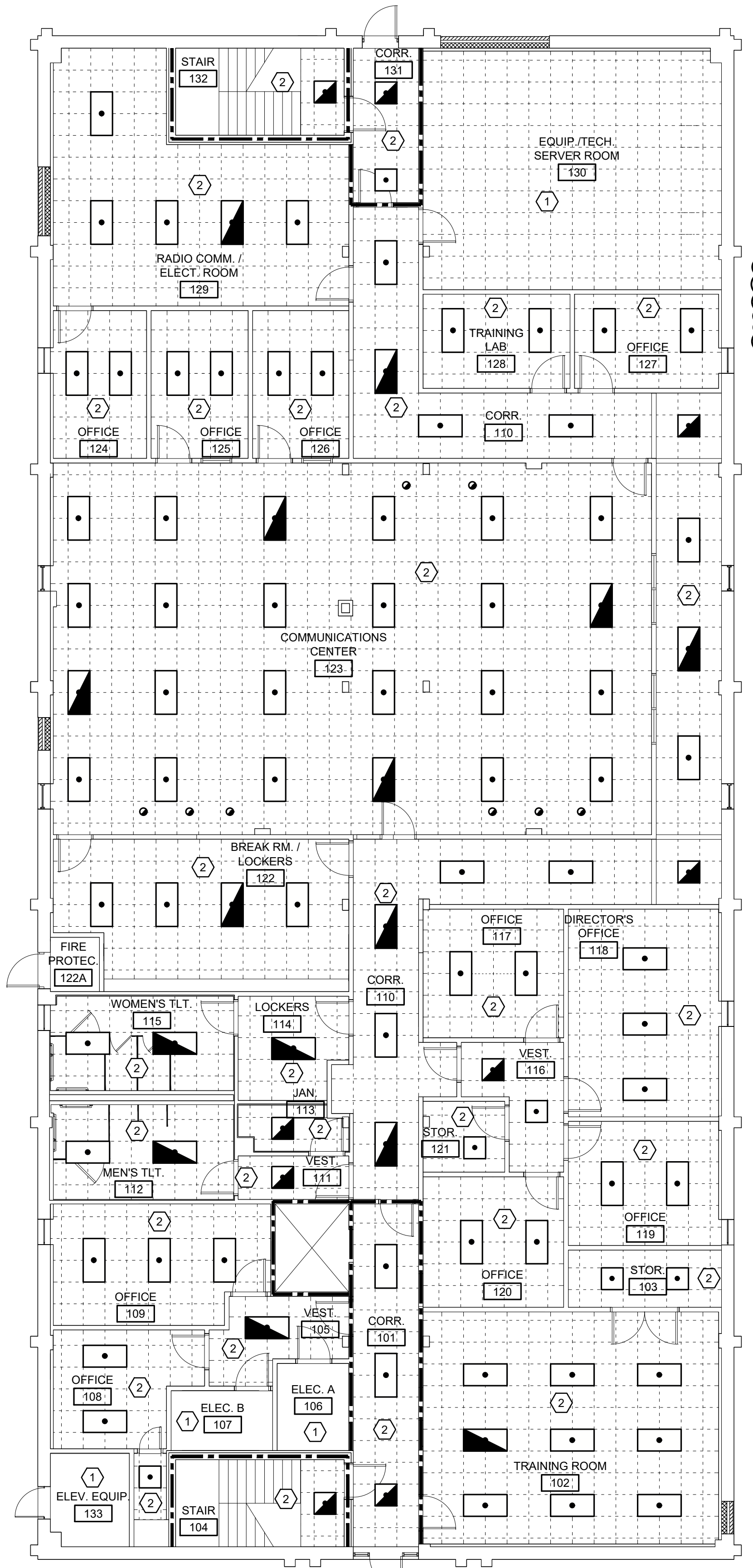
Revision	Date	Mark
ADDENDUM 2	1/24/24	

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745

Lighting Demolition Plans

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 07-XX-23

**ED3.0**

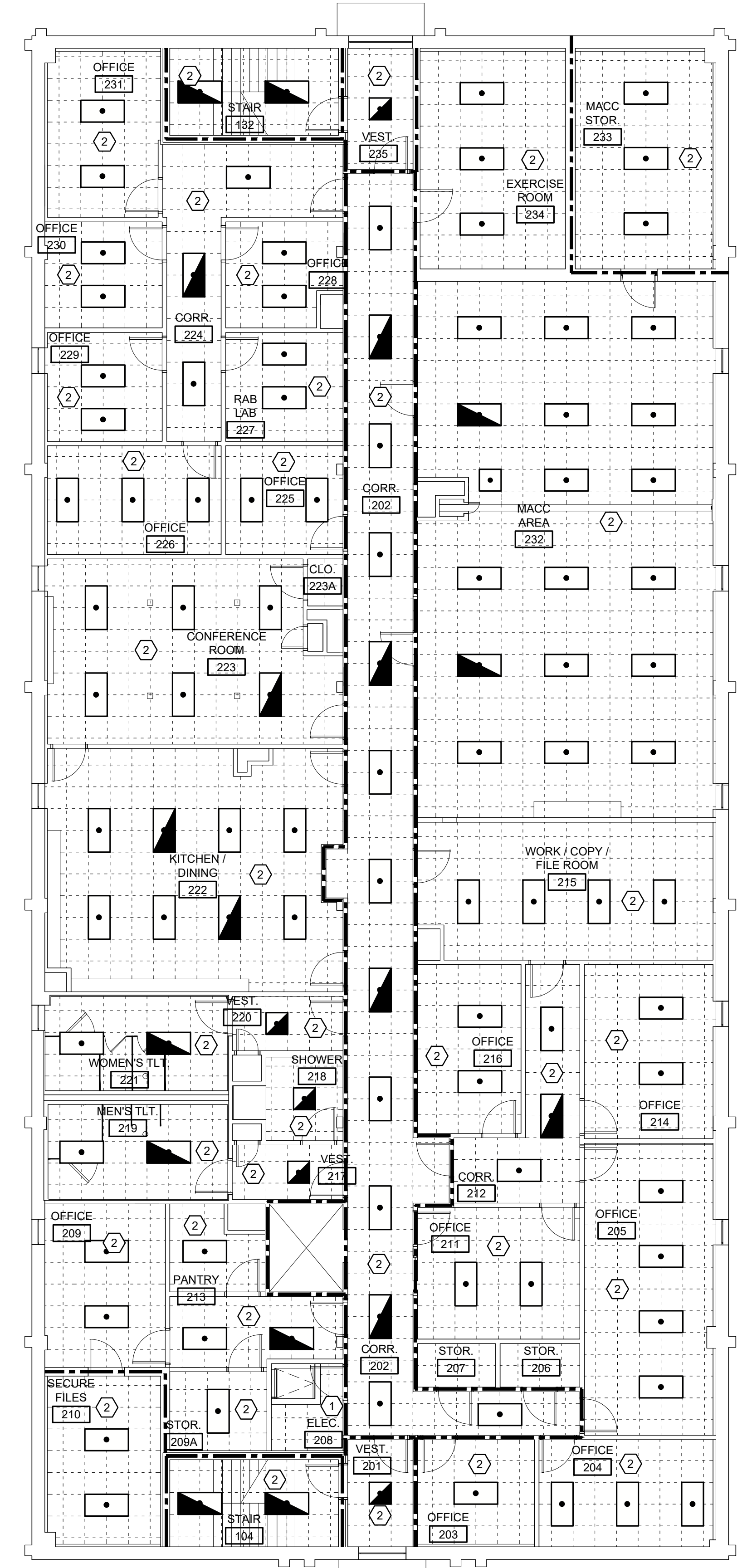


- GENERAL NOTE**  
Dwg # 230200-E3000.DWG
1. ALL EXISTING CEILING MOUNTED EXIT SIGNS SHALL BE CAREFULLY REMOVED, PROTECTED, AND STORED DURING DEMOLITION FOR REINSTALLATION INTO NEW CEILING. CONTRACTOR SHALL VERIFY ALL DIRECTIONAL CHEVRONS ARE REINSTALLED TO BE THE SAME AS PRIOR TO DEMOLITION.
  2. FIRST FLOOR LIGHTING DEMOLITION SHALL BE ACCOMPLISHED IN PHASE TWO.
  3. SECOND FLOOR LIGHTING DEMOLITION SHALL BE ACCOMPLISHED IN PHASE ONE.

**NOTES KEYED TO PLAN**  
Dwg # 230200-E3000.DWG

① EXISTING LIGHT FIXTURES AND LIGHTING CONTROLS TO REMAIN.

② EXISTING LIGHT FIXTURES TO BE REMOVED. MAINTAIN LIGHTING CONTROLS AND CIRCUITING FOR RECONNECTION. SEE NEW WORK PLANS.

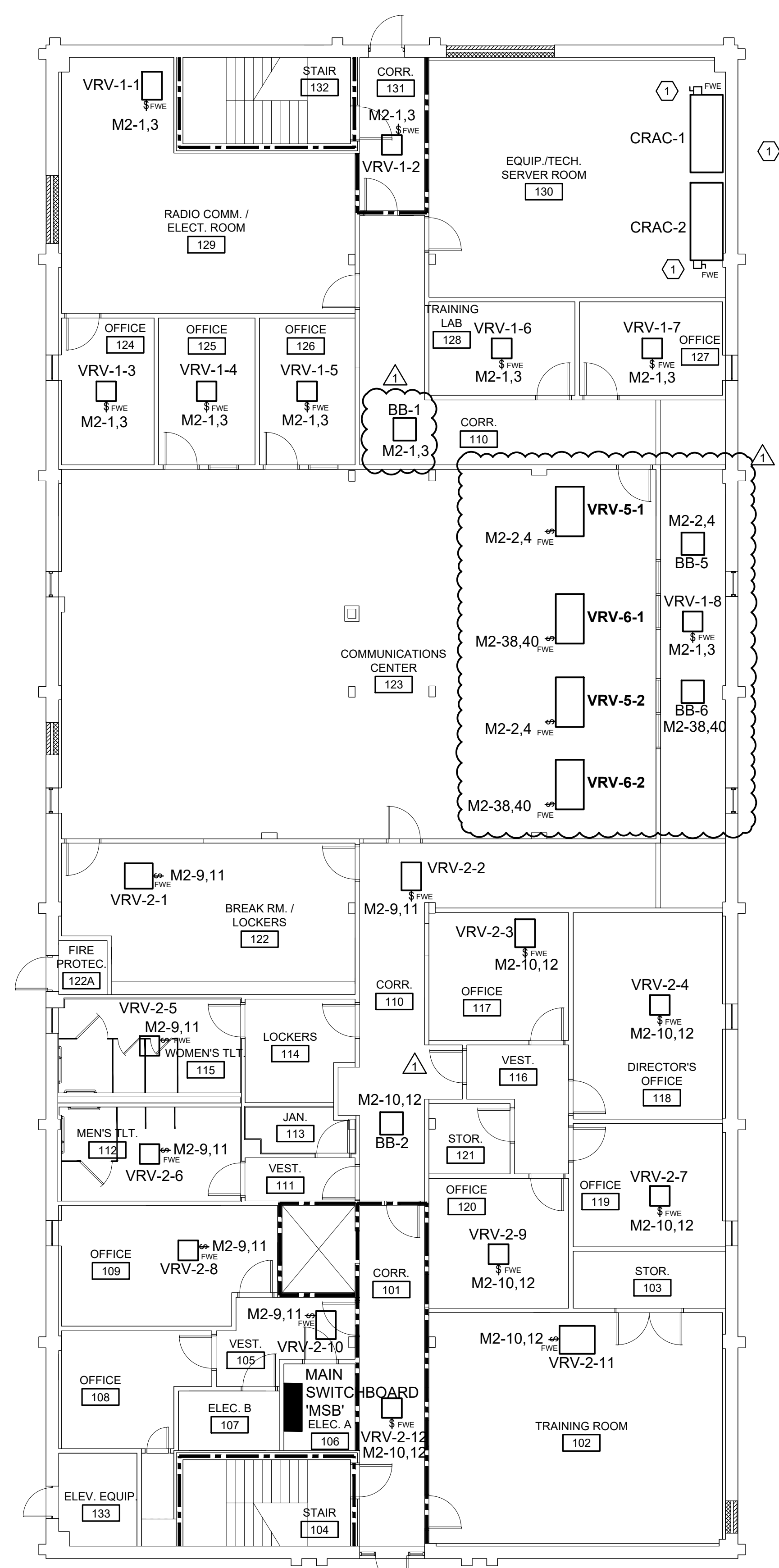
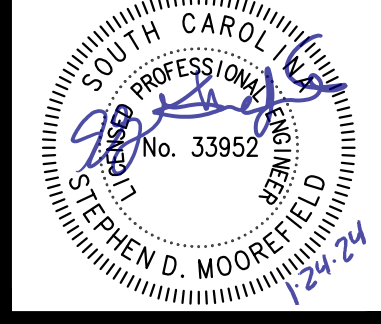


- NOTES KEYED TO PLAN**  
Dwg # 230200-E3000.DWG
- ① EXISTING LIGHT FIXTURES AND LIGHTING CONTROLS TO REMAIN.
- ② EXISTING LIGHT FIXTURES TO BE REMOVED. MAINTAIN LIGHTING CONTROLS AND CIRCUITING FOR RECONNECTION. SEE NEW WORK PLANS.

**1**  
**ED3.0**  
LIGHTING DEMOLITION PLAN - FIRST FLOOR  
PHASE TWO  
1/8" = 1'-0"  
Dwg # 230200-E3000.DWG

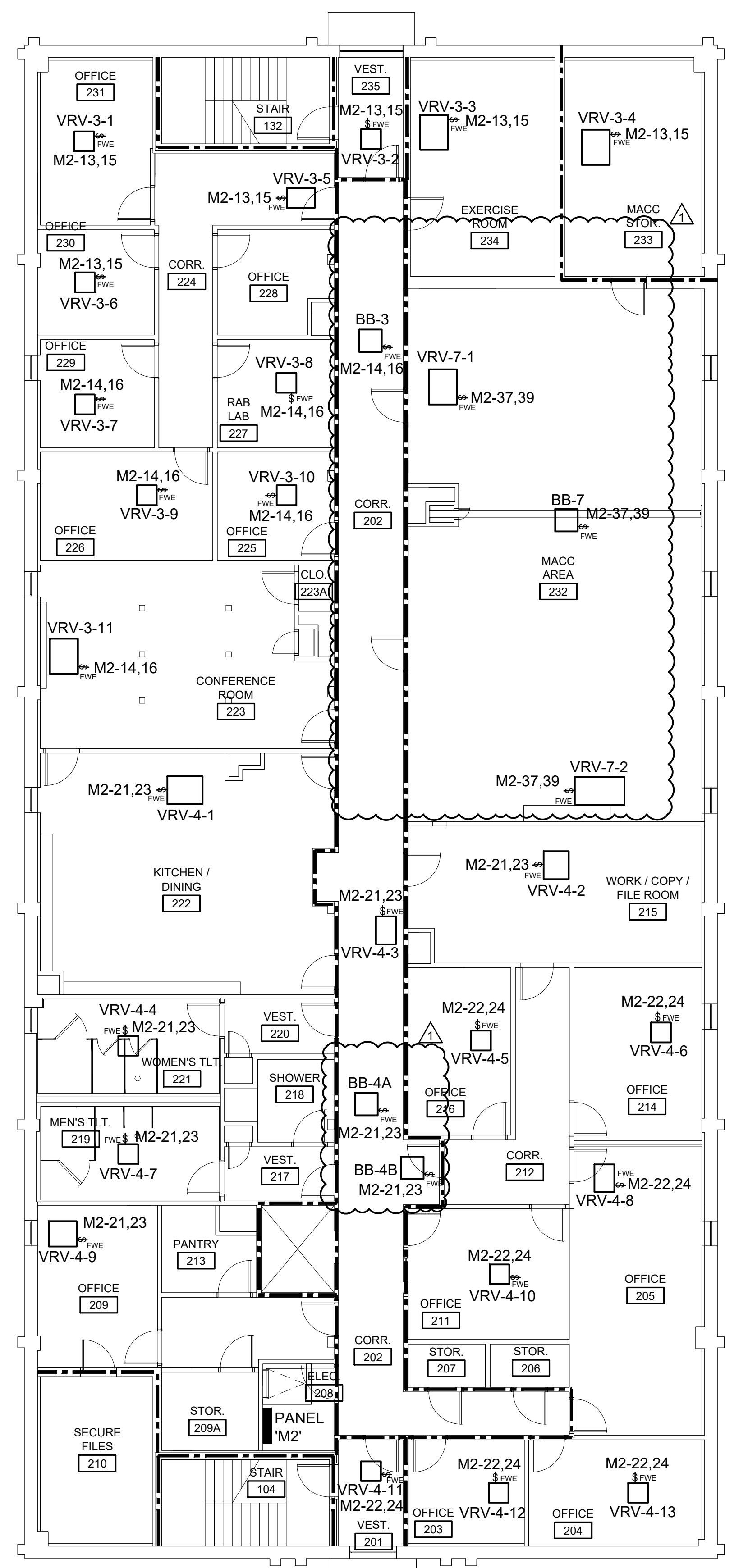
**2**  
**ED3.0**  
LIGHTING DEMOLITION PLAN - SECOND FLOOR  
PHASE ONE  
1/8" = 1'-0"  
Dwg # 230200-E3000.DWG

PRELIMINARY: NOT FOR CONSTRUCTION



**NOTES KEYED TO PLAN**  
Dwg # 230200-E2010.dwg  
1 RECONNECT NEW EQUIPMENT TO EXISTING CIRCUIT FROM MAIN SWITCHBOARD 'MSB'.

**1**  
**E2.0**  
**POWER NEW WORK PLAN - FIRST FLOOR**  
**PHASE TWO**  
1/8" = 1'-0"  
Dwg # 230200-E2010.DWG



**2**  
**E2.0**  
**POWER NEW WORK PLAN - SECOND FLOOR**  
**PHASE ONE**  
1/8" = 1'-0"  
Dwg # 230200-E2010.DWG

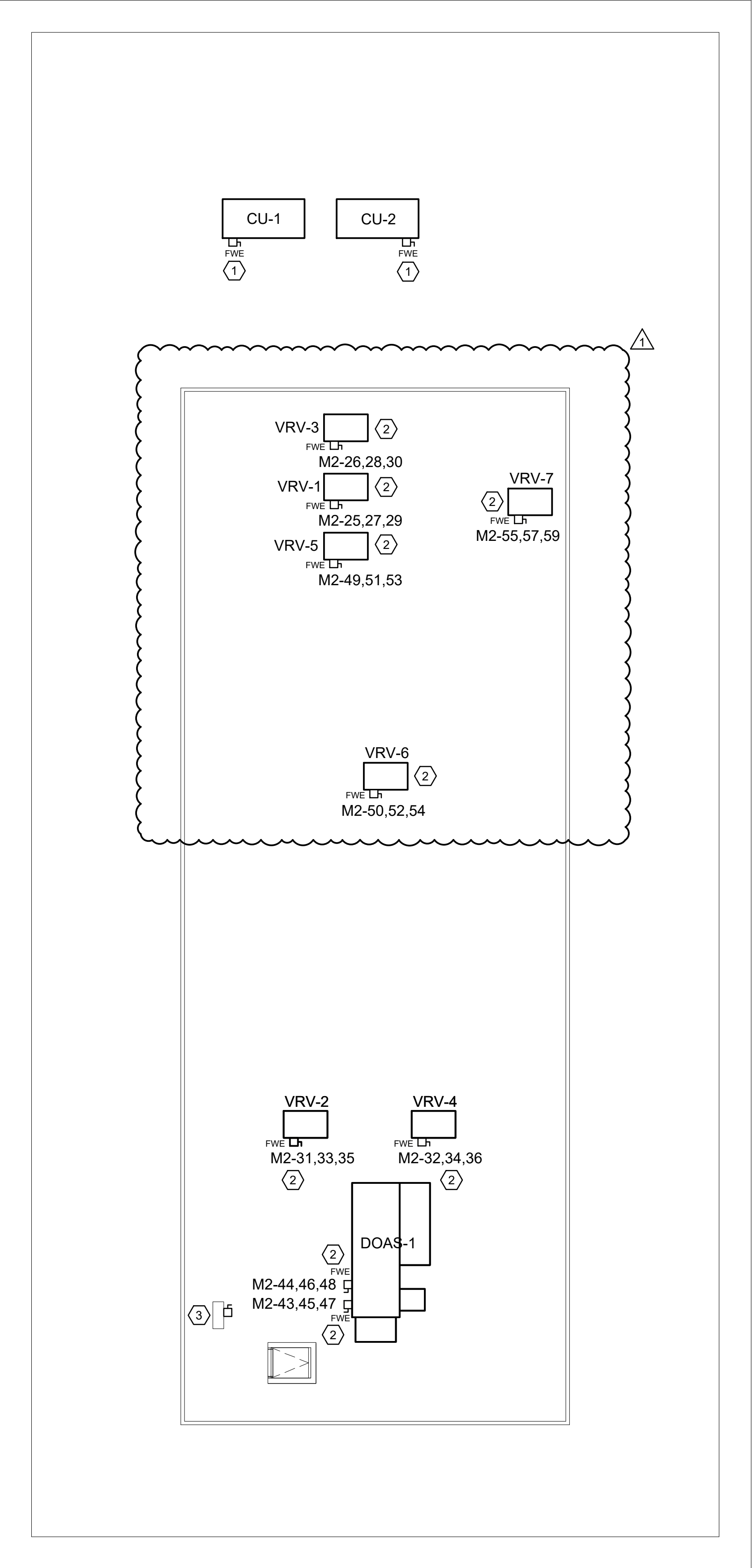
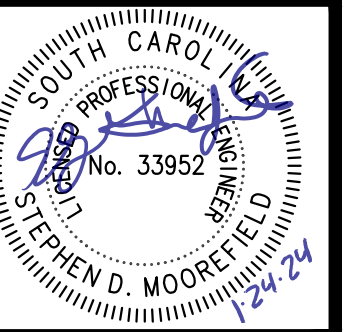
PRELIMINARY: NOT FOR CONSTRUCTION

Mark	Date	Revision
1	1/24/24	ADDENDUM 2

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**ELECTRICAL NEW WORK PLANS**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 07-XX-23

**E2.0**



- NOTES KEYED TO PLAN**  
Dwg # 230200-E2011.DWG
- ① RECONNECT NEW EQUIPMENT COMPLETE TO EXISTING CIRCUIT FROM MAIN SWITCHBOARD 'MSB'.
  - ② CONNECT NEW EQUIPMENT COMPLETE TO CIRCUIT INDICATED FROM PANEL 'M2'. PROVIDE NEW CIRCUIT BREAKER AS INDICATED ON PANEL SCHEDULES.
  - ③ EXISTING EQUIPMENT TO REMAIN.

**1**  
**E2.1**  
**ELECTRICAL NEW WORK PLAN - ROOF**  
1/8" = 1'-0"  
Dwg # 230200-E2011.DWG

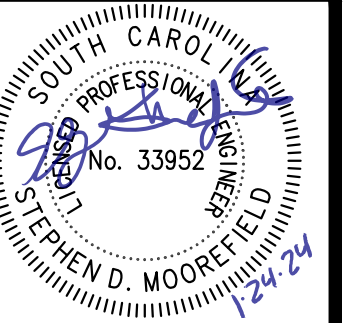
Mark	Date	Revision
△	1/24/24	ADDENDUM 2

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
**ELECTRICAL NEW WORK ROOF PLAN**

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 07-XX-23

**E2.1**

PRELIMINARY: NOT FOR CONSTRUCTION



Revision	Date	Mark
ADDENDUM 2	1/24/24	

Revision	Date	Mark
ADDENDUM 2	1/24/24	

YORK COUNTY EMERGENCY OPERATIONS CENTER  
HVAC RENOVATION  
**YORK COUNTY GOVERNMENT**  
778 JUSTICE BOULEVARD  
YORK, SC 29745  
LIGHTING NEW WORK PLANS

Designed By: MAS  
Drawn By: MAS  
Checked By: SDM  
Date: 07-XX-23

**E3.0**

PRELIMINARY: NOT FOR CONSTRUCTION

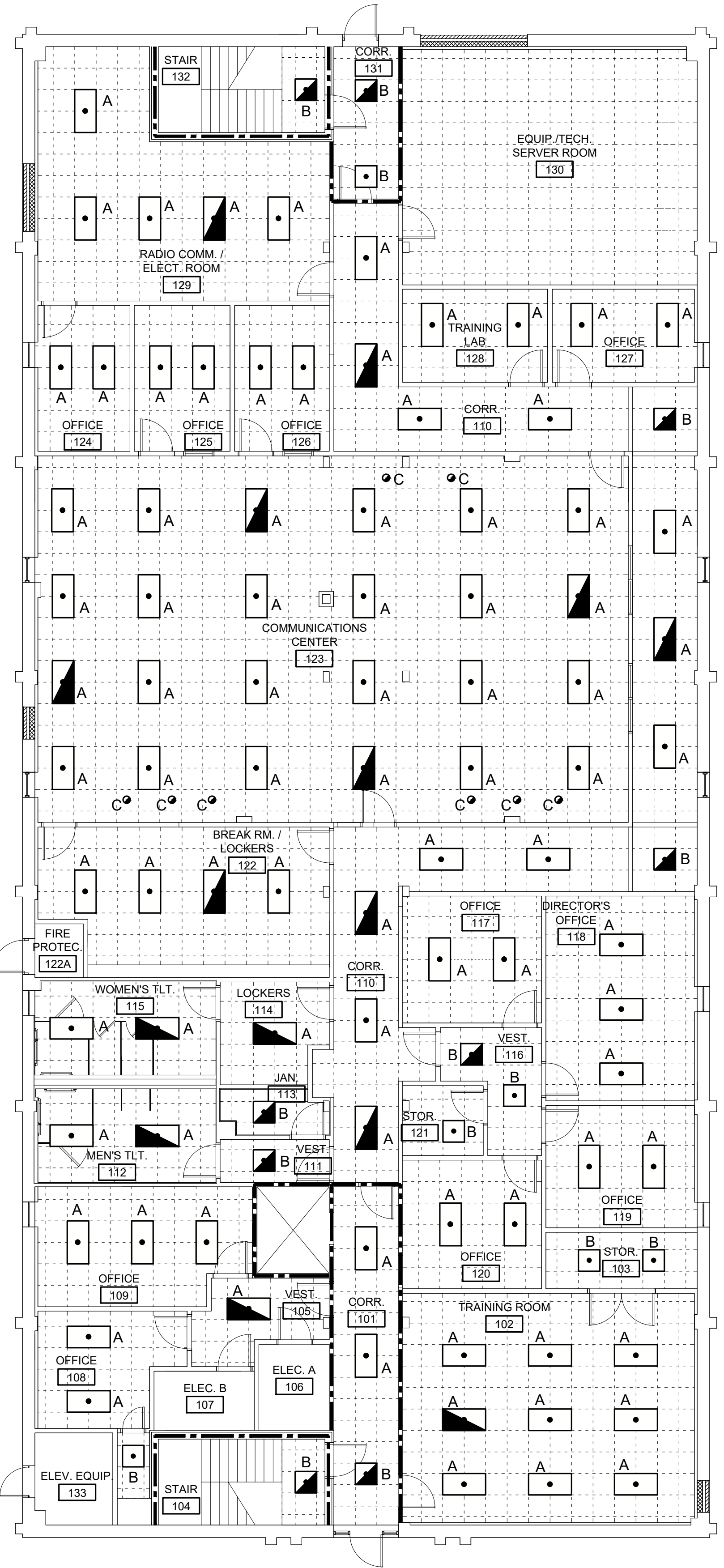
SYMBOL	MANUFACTURER	CATALOG NO.	VOLTS	LAMPS		ENERGY INPUT	MOUNTING	DESCRIPTION
				NO.	TYPE			
A	LITHONIA	STAKS 2X4 AL06 SWW7	120-277	-	LED	5,300 LUMENS 3500°K, 80+ CRI	RECESSED IN CEILING GRID	2x4 LED TROFFER WITH DIFFUSE ACRYLIC CENTER LENS, SWITCHABLE LUMENS, AND SWITCHABLE COLOR TEMPERATURE.
	CURRENT LTG	EQUIVALENT FIXTURE						
	SIGNIFY	EQUIVALENT FIXTURE						
	COOPER	EQUIVALENT FIXTURE						
B	LITHONIA	STAKS 2X2 AL03 SWW7	120-277	-	LED	4,300 LUMENS 3500°K, 80+ CRI	RECESSED IN CEILING GRID	2x2 LED TROFFER WITH DIFFUSE ACRYLIC CENTER LENS, SWITCHABLE LUMENS, AND SWITCHABLE COLOR TEMPERATURE.
	CURRENT LTG	EQUIVALENT FIXTURE						
	SIGNIFY	EQUIVALENT FIXTURE						
	COOPER	EQUIVALENT FIXTURE						
C	LITHONIA	LDN6 AL02 SWW1 LW6 AR LSS MVOLT UGZ	120-277	-	LED	1,300 LUMENS 3500°K, 80+ CRI	RECESSED IN CEILING GRID	6" LED OPEN WALL WASH FIXTURE WITH SEMI-SPECULAR REFLECTOR, SELF-FLANGE, SWITCHABLE LUMENS, AND SWITCHABLE COLOR TEMPERATURE.
	CURRENT LTG	EQUIVALENT FIXTURE						
	SIGNIFY	EQUIVALENT FIXTURE						
	COOPER	EQUIVALENT FIXTURE						

230200-E3001.DWG

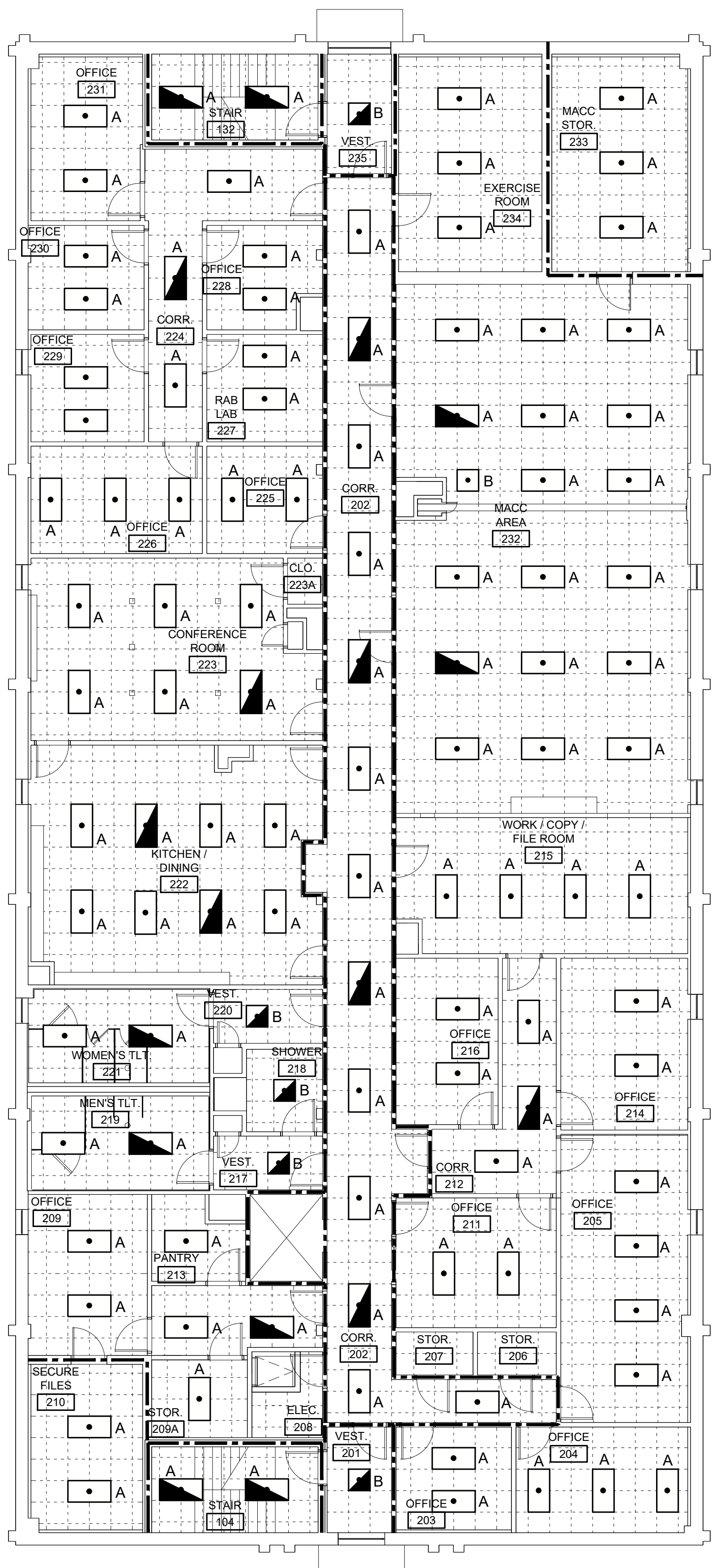
**GENERAL NOTE**

Dwg.# 230200-E3000.DWG

- CONNECT NEW LIGHT FIXTURES TO EXISTING CONTROLLED LIGHTING CIRCUIT. VERIFY EMERGENCY LIGHT FIXTURES ARE CONNECTED TO EMERGENCY LIGHTING CIRCUIT AS EXISTING EMERGENCY LIGHT FIXTURES WERE PRIOR TO DEMOLITION.
- FIRST FLOOR LIGHTING WORK SHALL BE ACCOMPLISHED IN PHASE TWO.
- SECOND FLOOR LIGHTING WORK SHALL BE ACCOMPLISHED IN PHASE ONE.



**1**  
**E3.0** LIGHTING NEW WORK PLAN - FIRST FLOOR  
1/8" = 1'-0"  
Dwg.# 230200-E3001.DWG



**2**  
**E3.0** LIGHTING NEW WORK PLAN - SECOND FLOOR  
1/8" = 1'-0"  
Dwg.# 230200-E3001.DWG



