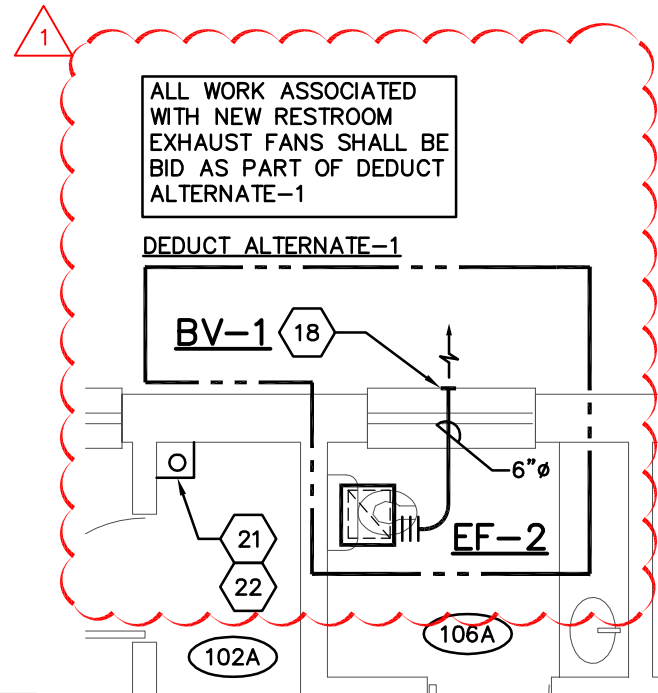
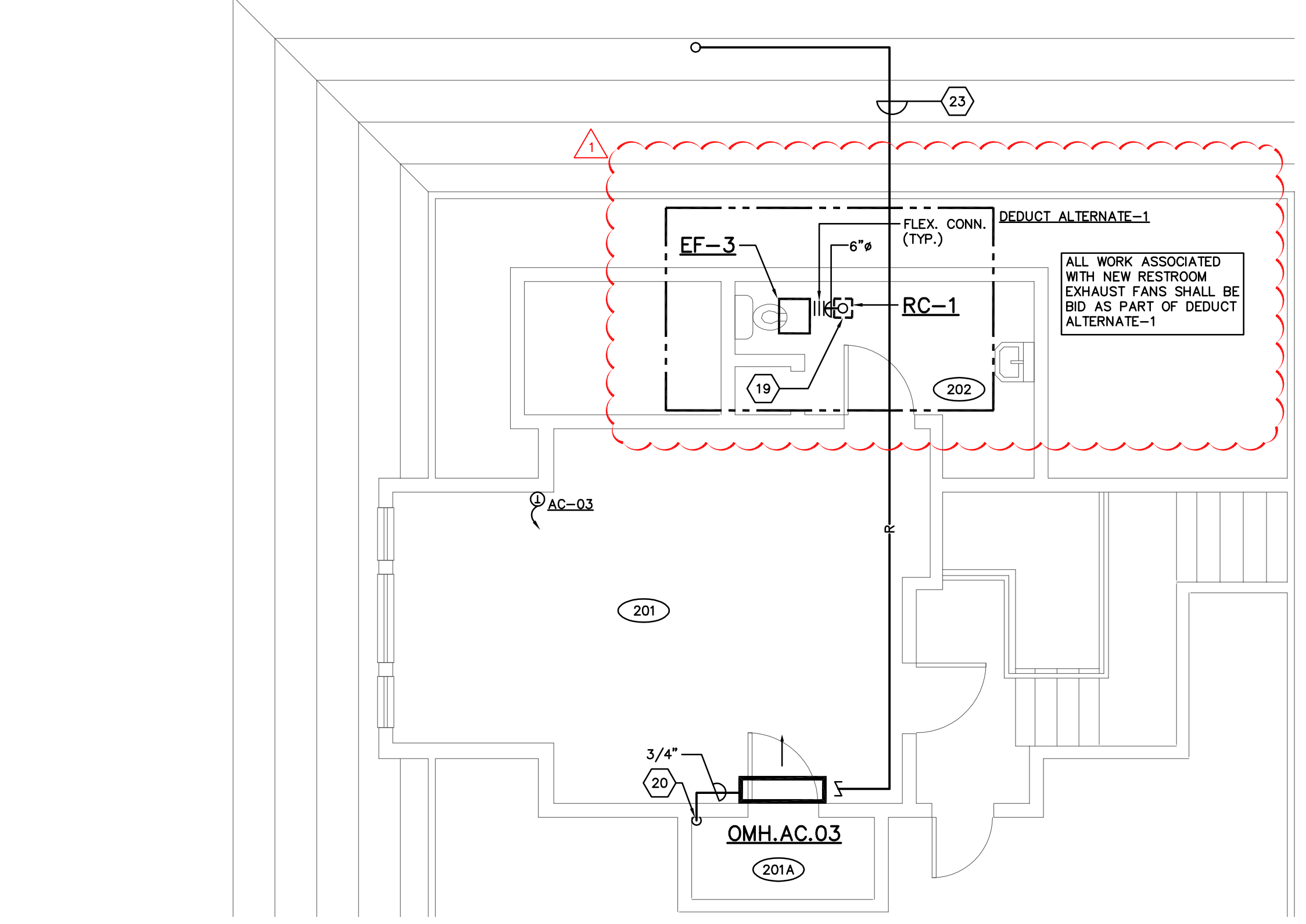
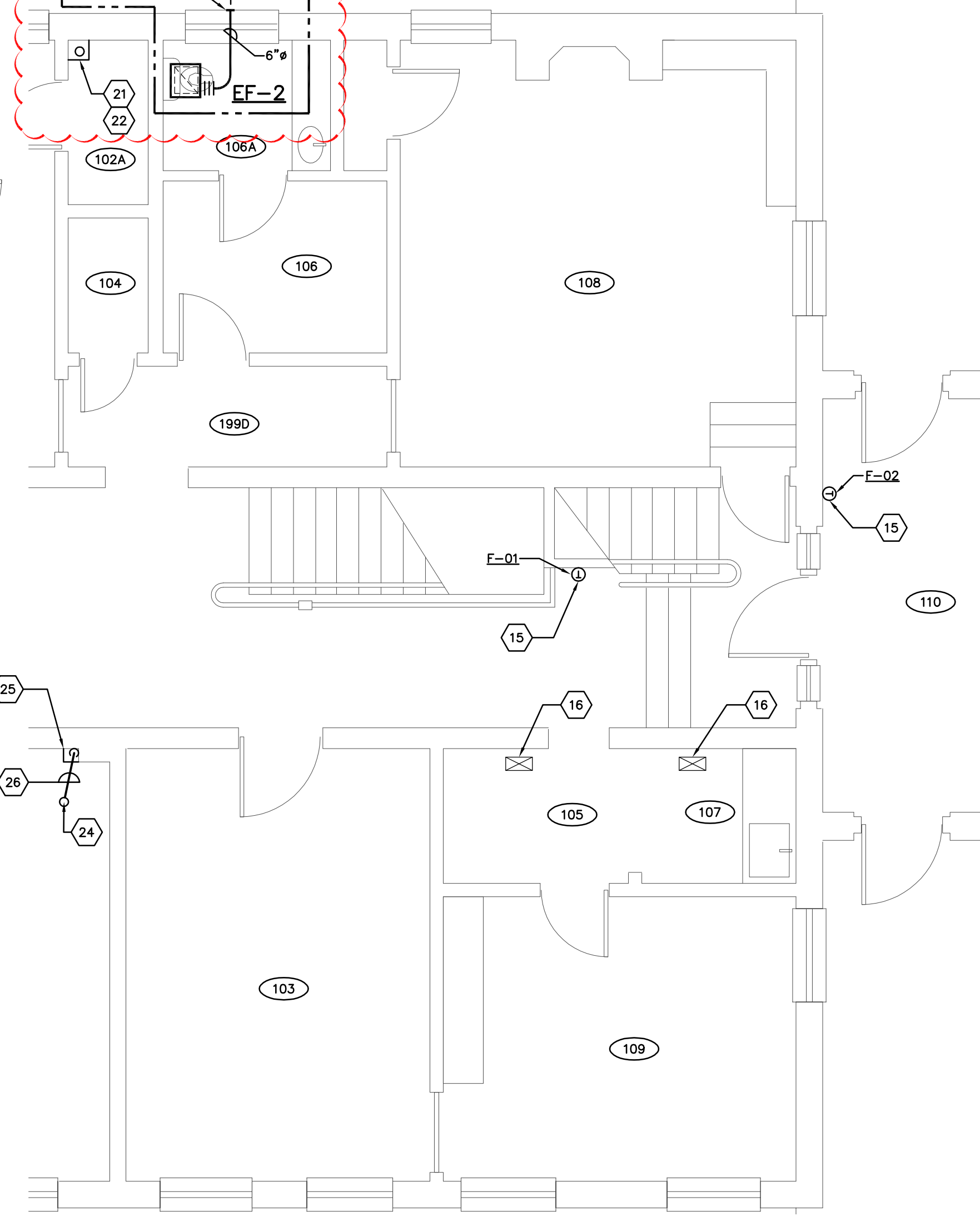


CONSTRUCTION TRAFFIC/WORK PROHIBITED FROM THIS SPECIFIC HATCHED AREA UNLESS NOTED OTHERWISE AND/OR APPROVED BY AND COORDINATED WITH MIAMI UNIVERSITY.



- ### CONSTRUCTION NOTES
- ALL SCOPE, DIRECTIVES, AND REQUIREMENTS FOR EXECUTION OF WORK SHALL BE THE SOLE RESPONSIBILITY OF THE SUCCESSFUL PRIME CONTRACTOR AND/OR AS DELEGATED/DEFINED UNDER SUB-CONTRACTS.
- ALL WORK TO BE SCHEDULED IN ADVANCE WITH MIAMI UNIVERSITY.
  - HOURS AND AREAS OF ACCESS FOR CONSTRUCTION TO BE PER MIAMI UNIVERSITY'S DIRECTION.
  - SEQUENCING AND PHASING OF WORK TO BE COORDINATED WITH AND APPROVED BY MIAMI UNIVERSITY PRIOR TO COMMENCEMENT OF CONTRACT WORK.
  - DESIGNATED WORK AREAS ARE AS INDICATED ON THESE PLANS. ANY WORK REQUIRED OUTSIDE OF THESE AREAS TO BE APPROVED BY AND SCHEDULED IN ADVANCE WITH MIAMI UNIVERSITY IN ADVANCE OF WORK.
  - WORK TO BE DONE IN SUCH A MANNER AS TO AVOID OR MINIMIZE INTERRUPTION OF NORMAL ACTIVITIES IN ADJACENT AREAS REMAINING IN OPERATION DURING CONSTRUCTION. ANY UTILITY OUTAGES OR IMPAIRMENTS TO BE SCHEDULED WITH THE MIAMI UNIVERSITY IN ADVANCE, AND EXECUTED IN THE MANNER DIRECTED.
  - ALL CONDITIONS UPON COMPLETION OF WORK INCLUDED UNDER THIS CONTRACT TO MATCH CONDITIONS PRIOR TO START OF WORK.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY PORTALET(S) ON SITE AT A LOCATION COORDINATED WITH AND APPROVED BY MIAMI UNIVERSITY, IF REQUIRED, THROUGHOUT THE COURSE OF THIS PROJECT. EXISTING RESTROOM FACILITIES WITHIN THE RESIDENCE ARE PROHIBITED FROM USE. MOREOVER, ONLY THOSE AREAS WITHIN THE LIMITS OF CONSTRUCTION INCLUDED ON ARCHITECTURAL PLANS AND/OR AS COORDINATED WITH MIAMI UNIVERSITY IN ADVANCE SHALL BE ACCESSIBLE THROUGHOUT THE COURSE OF CONSTRUCTION.
  - ANY AND ALL EXISTING SUPPLY AND/OR RETURN AIR DIFFUSERS, SMOKE DETECTORS, LIGHTS, EQUIPMENT, ELECTRICAL PANELS, ETC. WITHIN THE LIMITS OF CONSTRUCTION, AS DEFINED BY ARCHITECTURAL DOCUMENTATION, SHALL BE SEALED SHUT UTILIZING SHEET VINYL COVERINGS UNTIL PROJECT COMPLETION.
  - PRIOR TO COMMENCEMENT OF CONTRACT WORK ALL EXISTING WALLS, DOORS, WOOD BASEBOARDS, CEILING, FINISHES, AND FURNITURE SHALL BE PROTECTED AGAINST DAMAGE, DUST/DEBRIS COLLECTION, CUTTING/PATCHING EFFORTS OR ANY WORK PERFORMED AS PART OF THE DEMOLITION/INSTALLATION OF NEW WORK PROCESSES THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL COMPLETION OF ALL CONTRACT SCOPE.
  - PROVIDE MINIMUM 3/4" THICK PLYWOOD PARTITION WITH HEAVY VINYL SHEATHING UNDERLAYMENT, OR BETTER, AT THE FIRST FLOOR LEVEL VERTICAL STAIR OPENING. PLYWOOD PARTITION TO COMPLETELY CLOSE-OFF THE FIRST FLOOR VERTICAL OPENING WITH VINYL SHEATHING SEALED DUST TIGHT TO PERIMETER OF ADJACENT STRUCTURE. IN ADDITION, PROVIDE HEAVY VINYL SHEATHING, OR BETTER, AT VERTICAL PERIMETER STAIR, EXTENDING FROM THE BASEMENT LEVEL FINISHED FLOOR SLAB TO THE EXISTING OVERHEAD CEILING STRUCTURE, SEALED DUST TIGHT, AT TOP AND BOTTOM STRUCTURE INTERFACES. DUST MIGRATION AND SOUND TRANSMISSION TO BE HELD TO AN ABSOLUTE MINIMUM.
  - PROVIDE HEAVY VINYL SHEATHING AT THE EXISTING DOOR BETWEEN CORRIDORS 099A AND 099B, SEALED DUST TIGHT, AT THE PERIMETER STRUCTURE INTERFACES. DUST MIGRATION TO CORRIDOR 099B SHALL BE HELD TO AN ABSOLUTE MINIMUM.

- ### CODED NOTES
- PROVIDE NEW FURNACE IN THIS LOCATION. CONNECT TO EXISTING SUPPLY AND RETURN AIR DUCTWORK AS REQUIRED FOR NEW FURNACE INSTALLATION.
  - CONNECT EXISTING GAS LINE TO NEW FURNACE. SEE FURNACE INSTALLATION DETAIL ON SHEET H2.
  - NEW FLUE AND COMBUSTION AIR PIPING. TERMINATE WITH CONCENTRIC VENT KIT.
  - ALL FLUE PIPING SHALL BE UL 1738 COMPLIANT SIMILAR TO IPEX SYSTEM 1738 OR CENTROTERM.
  - PROVIDE NEW 4" CONCRETE PAD FOR NEW HEAT PUMP. NEW PAD TO BE LEVEL.
  - EXTEND REFRIGERANT PIPING FROM INDOOR UNIT TO OUTDOOR UNIT.
  - DUCT DETECTOR IN RETURN DUCT BY ELECTRICAL CONTRACTOR.
  - NEW 18"x12" SUPPLY AIR DUCT IN THIS LOCATION.
  - EXTEND CONDENSATION DRAIN LINE TO FLOOR DRAIN LOCATED IN MECHANICAL ROOM.
  - EXTEND NEW 6" SUPPLY DUCT TO NEW PLENUM. PLENUM PROVIDED BY SEPARATE PROJECT.
  - EXISTING DUCTWORK UP TO FLOOR MOUNTED REGISTER TO REMAIN.
  - PROVIDE FILTER SECTION ON BOTH SIDES OF THE UNIT SIMILAR TO THE EXISTING CONFIGURATION.
  - UTILIZE EXISTING PATHWAY FOR NEW FLUES AND REFRIGERANT PIPING.
  - CANTILEVER NEW HEAT PUMP OFF EXISTING WALL. REMOVE PROVIDE NEW WALL BRACKET.
  - PROVIDE NEW THERMOSTAT IN EXISTING LOCATION TO CONTROL NEW FURNACE. PROVIDE NEW CONTROL WIRING. UTILIZE EXISTING PATHWAY THROUGH WALL.
  - NEW FLOOR MOUNTED SUPPLY AIR GRILLE TO SERVE BREAK ROOM BY OTHERS.
  - COORDINATE FINAL LOCATION OF FAN WITH EXISTING PIPING ABOVE CEILING.
  - TERMINATE NEW EXHAUST DUCT ABOVE WINDOW WITH BRICK VENT.
  - LOCATE ROOF CAP DIRECTLY ABOVE EXHAUST FAN. CUT HOLE IN EXISTING CEILING LARGE ENOUGH TO RUN NEW DUCTWORK AND INSTALL ROOF CAP. PATCH CEILING TO MATCH EXISTING CEILING AFTER WORK IS COMPLETE.
  - EXTEND CONDENSATION DRAIN LINE DOWN THRU FLOOR TO MECHANICAL ROOM FLOOR DRAIN.
  - ENCLOSE NEW REFRIGERANT LINES IN NEW DRYWALL CHASE. FIELD COORDINATE SIZE REQUIREMENTS. CHASE SHALL BE AS SMALL AS POSSIBLE.
  - EXTEND REFRIGERANT LINES UP TO MINI SPLIT IN ROOM 201.
  - EXTEND REFRIGERANT LINES THRU SECOND FLOOR ATTIC PLACE TO MINI SPLIT MOUNTED ON WALL.
  - DRAIN PIPING FROM MINI-SPLIT LOCATED ON SECOND FLOOR.
  - ENCLOSE VERTICAL PORTION OF CONDENSATION DRAIN LINE IN DRYWALL CHASE. FIELD COORDINATE SIZE REQUIREMENTS. CHASE SHALL BE AS SMALL AS POSSIBLE. PAINTING WILL BE HANDLED BY A SEPARATE PROJECT.
  - CUT AND PATCH EXISTING CEILING AS REQUIRED FOR NEW CONDENSATION DRAIN LINE INSTALLATION.



**SECOND FLOOR HVAC PLAN**  
SCALE: 1/4"=1'-0"

DATE	DESCRIPTION
03/07/22	DEDUCT ALTERNATES $\Delta$
03/01/22	CONSTRUCTION DOCUMENTS
02/21/22	FINAL OWNER REVIEW - 99% CD SUBMITTAL
01/27/22	DESIGN DEVELOPMENT SUBMISSION

H1-22009.DWG ASSOCIATE ENGINEER <b>PRATER</b> Engineering Associates, Inc. 6130 Wilcox Road Dublin, Ohio 43016 (614) 766 4896 FAX: (614) 766 2354		MIAMI UNIVERSITY OLD MANSE HOUSE WATER INFILTRATION IMPROVEMENTS	
PREPARED FOR MIAMI UNIVERSITY PHYSICAL FACILITIES DEPARTMENT OXFORD, OH		PREPARED BY PRATER ENGINEERING ASSOCIATES 6130 WILCOX ROAD; DUBLIN, OHIO 43016	
SHEET TITLE <b>BASEMENT, FIRST, &amp; SECOND FLOOR HVAC PLANS</b>		SHEET NO. <b>H1</b>	
SCALE	COMM. NO.	DESIGNED BY	CHECKED BY
AS NOTED	---	ARP	KJO
		DATE	03/01/2022