

SEAL SIGNATURE:

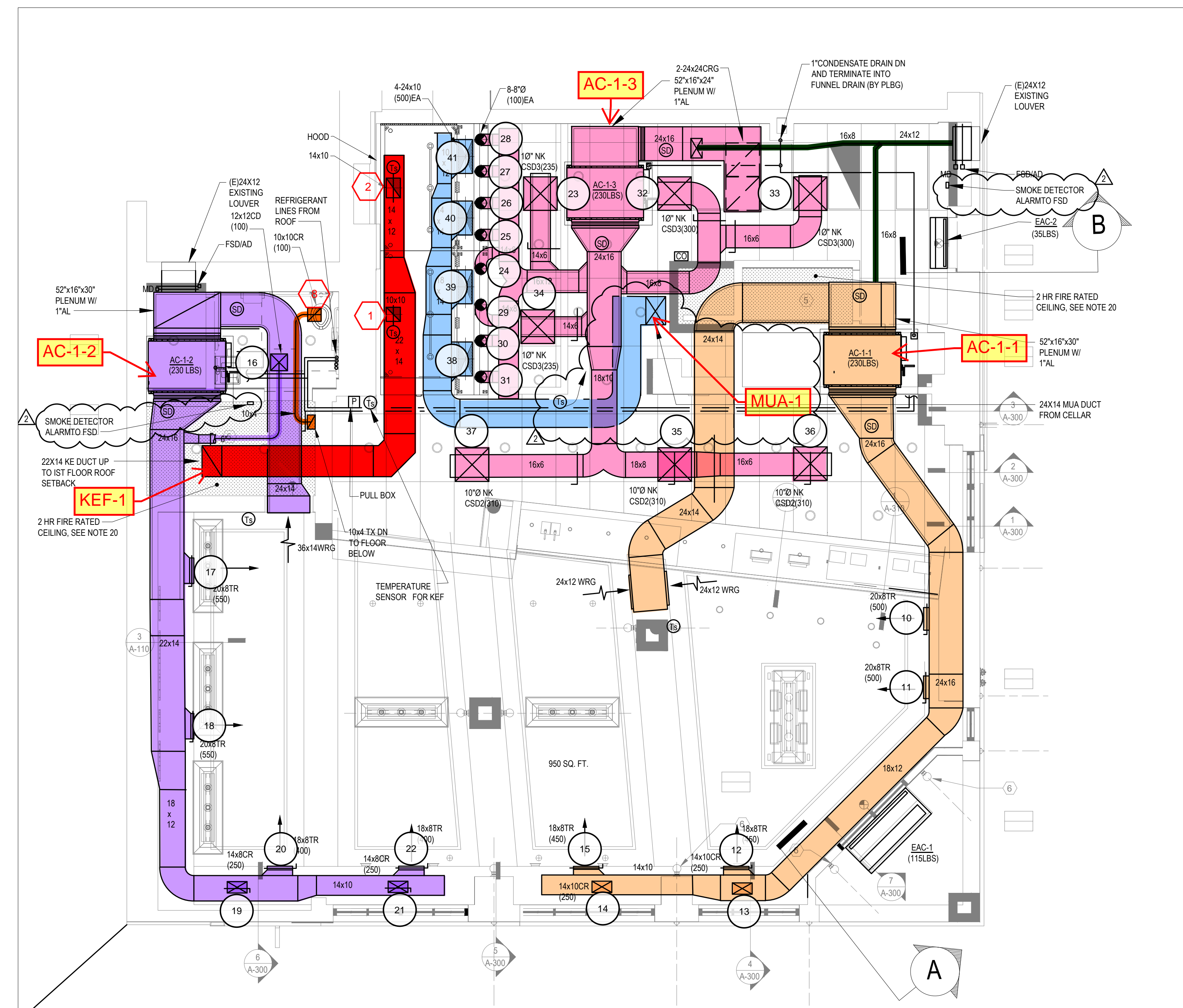
NO.	BY	DATE	DESCRIPTION
SRW	8/12/22		BULLETIN 2
SRW	7/13/22		BULLETIN 1
SRW	5/20/22		ISSUED FOR CONSTRUCTION
SRW	4/12/22		100% PERMIT SET



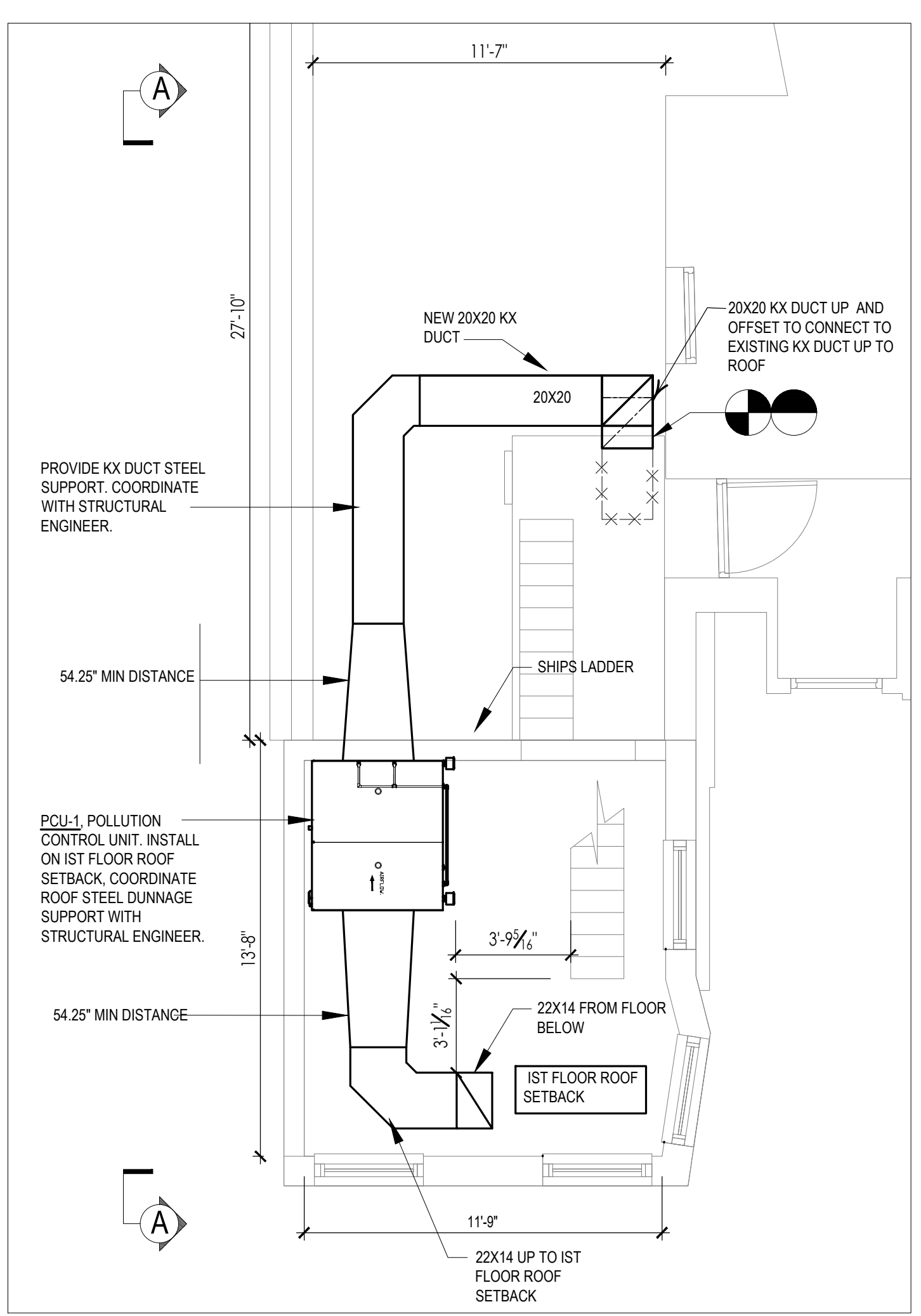
MECHANICAL PLANS

M-101.00

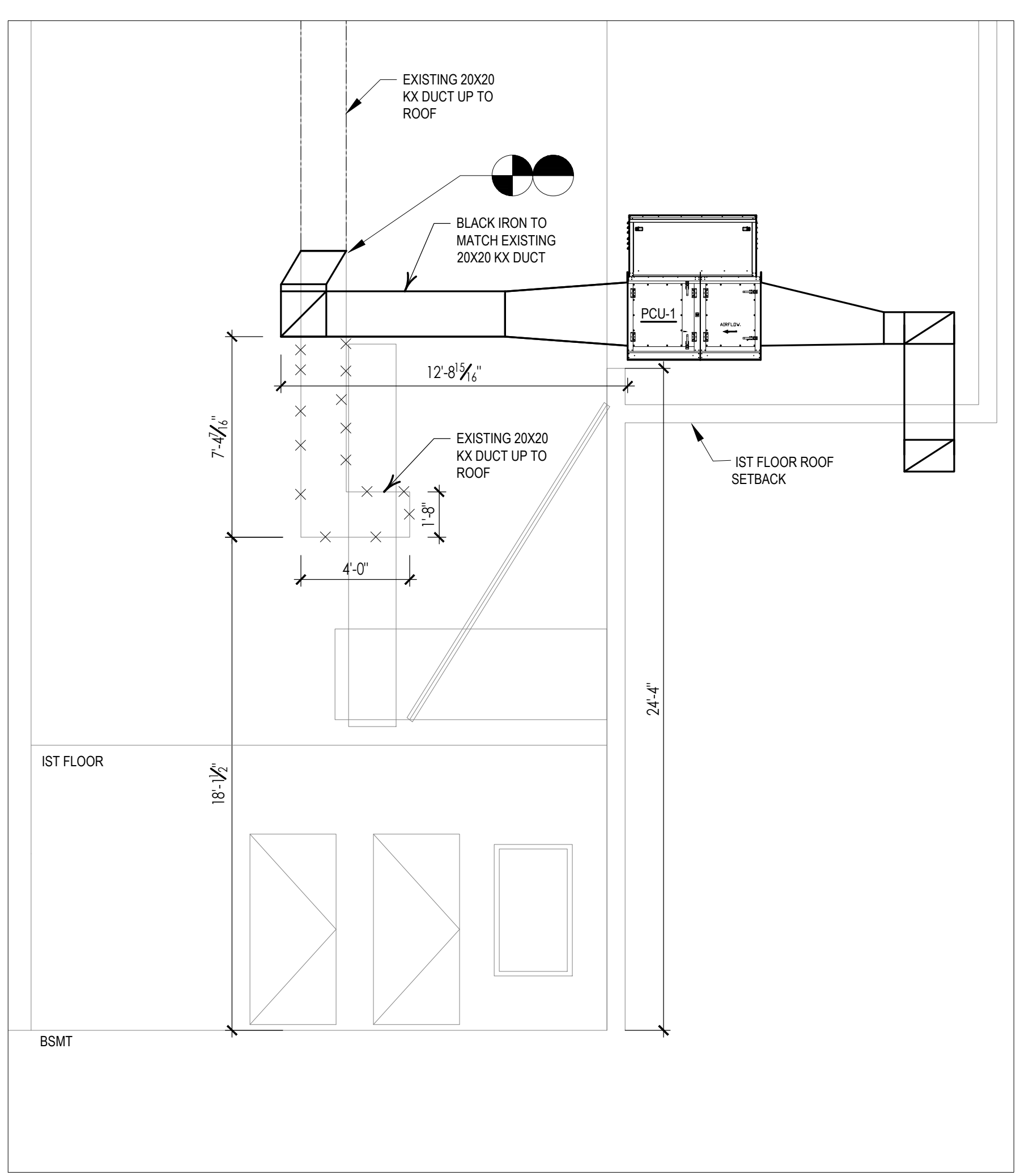
AS NOTED	3 OF 23
PROJECT	1379 Shake Shack LES
NO. IN SET	M00673707-11



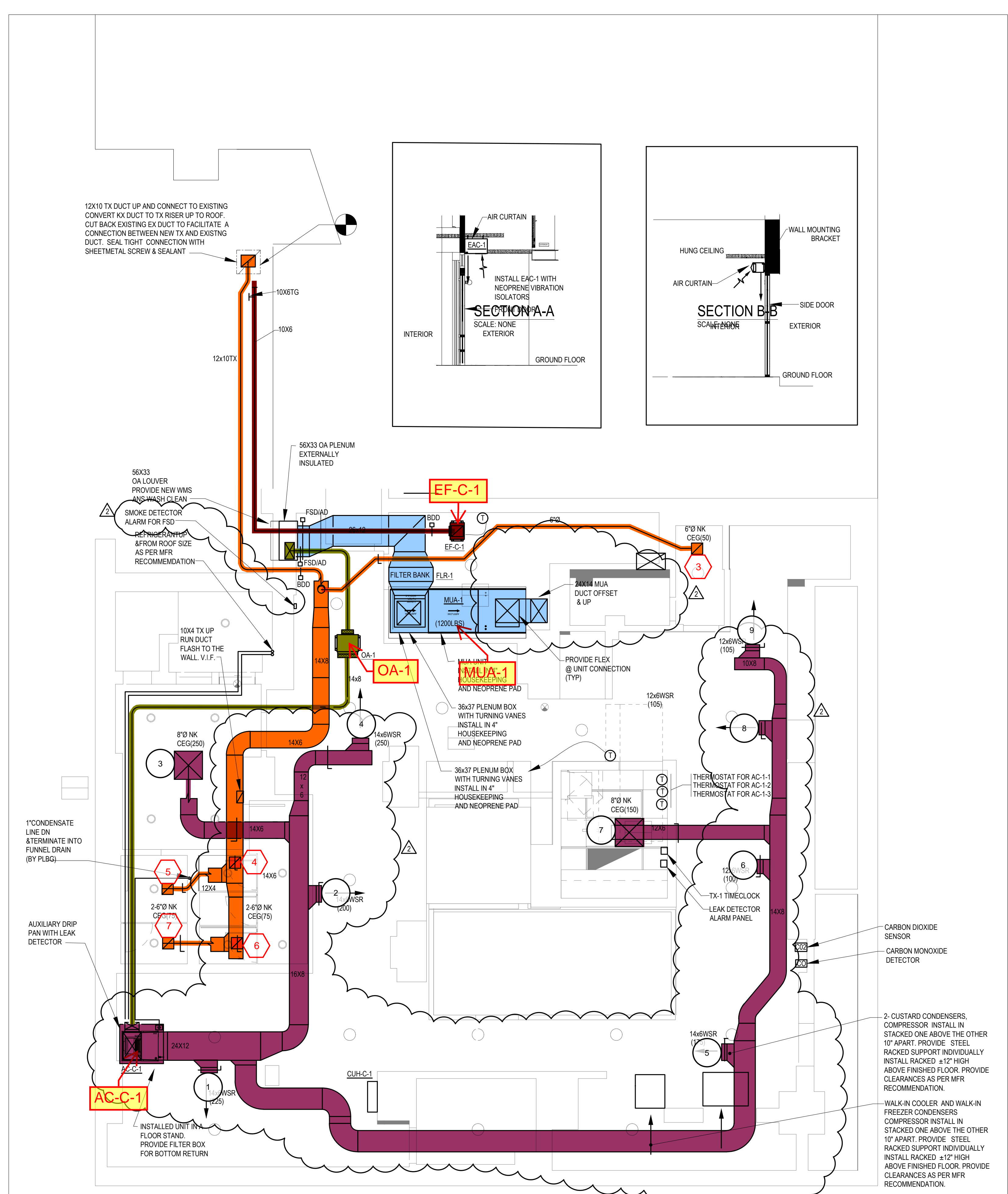
GROUND FLOOR HVAC PLAN
SCALE: 1/4"=1'-0"



ROOF SETBACK HVAC PART PLAN
SCALE: 1/4"=1'-0"



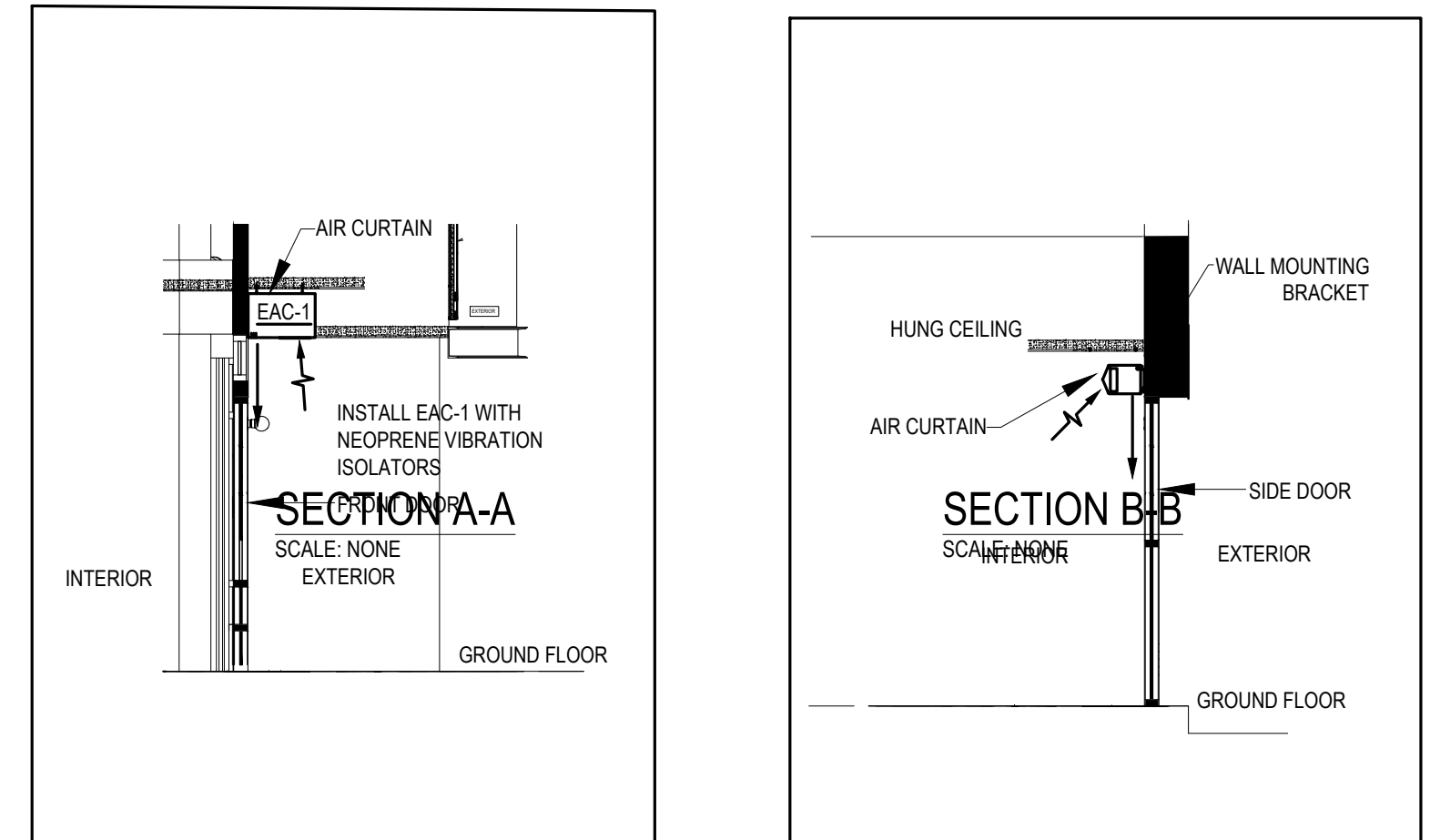
ELEVATION A-A
SCALE: 1/4"=1'-0"



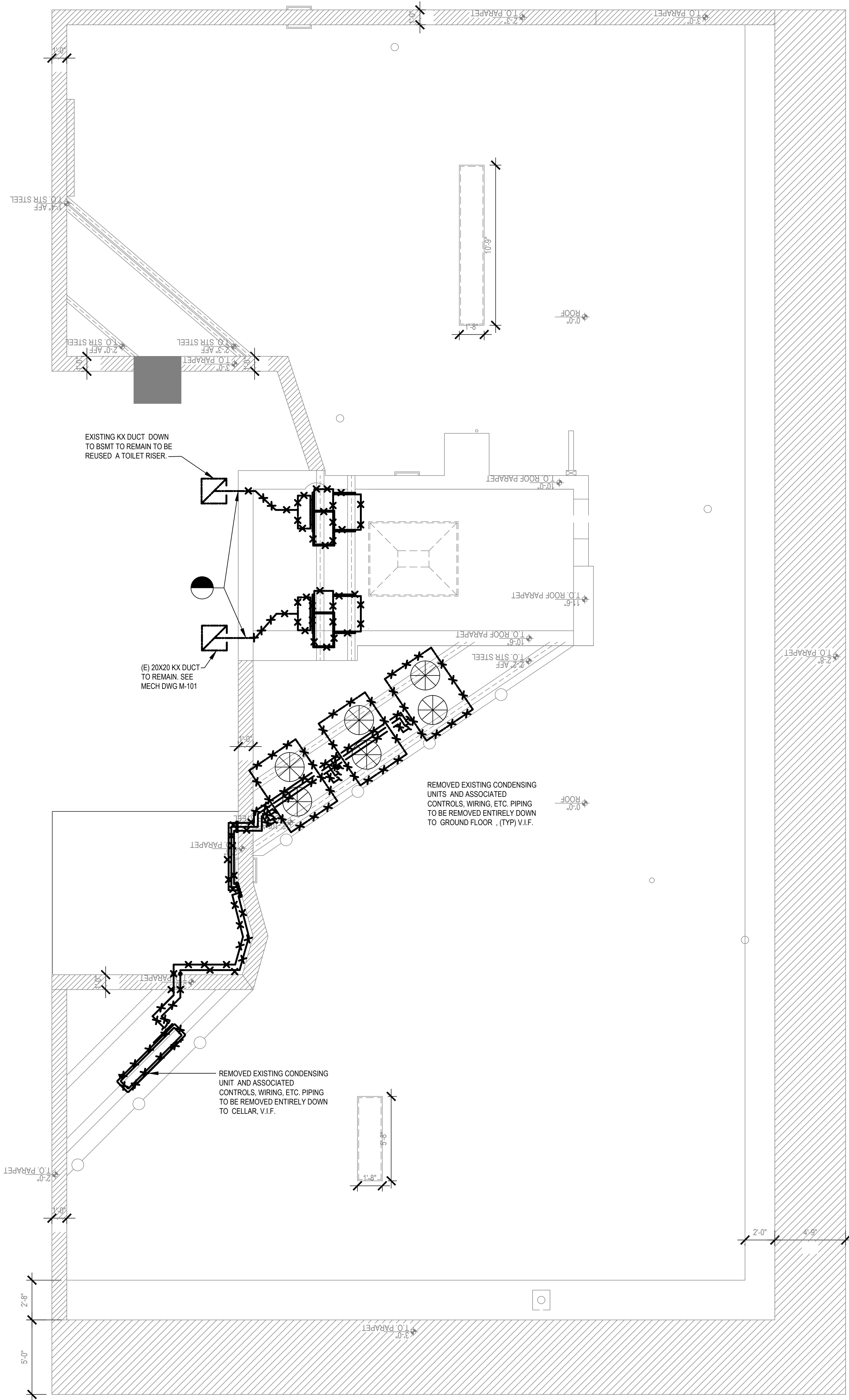
CELLAR FLOOR HVAC PLAN
SCALE: 1/4"=1'-0"

DRAWING NOTES:

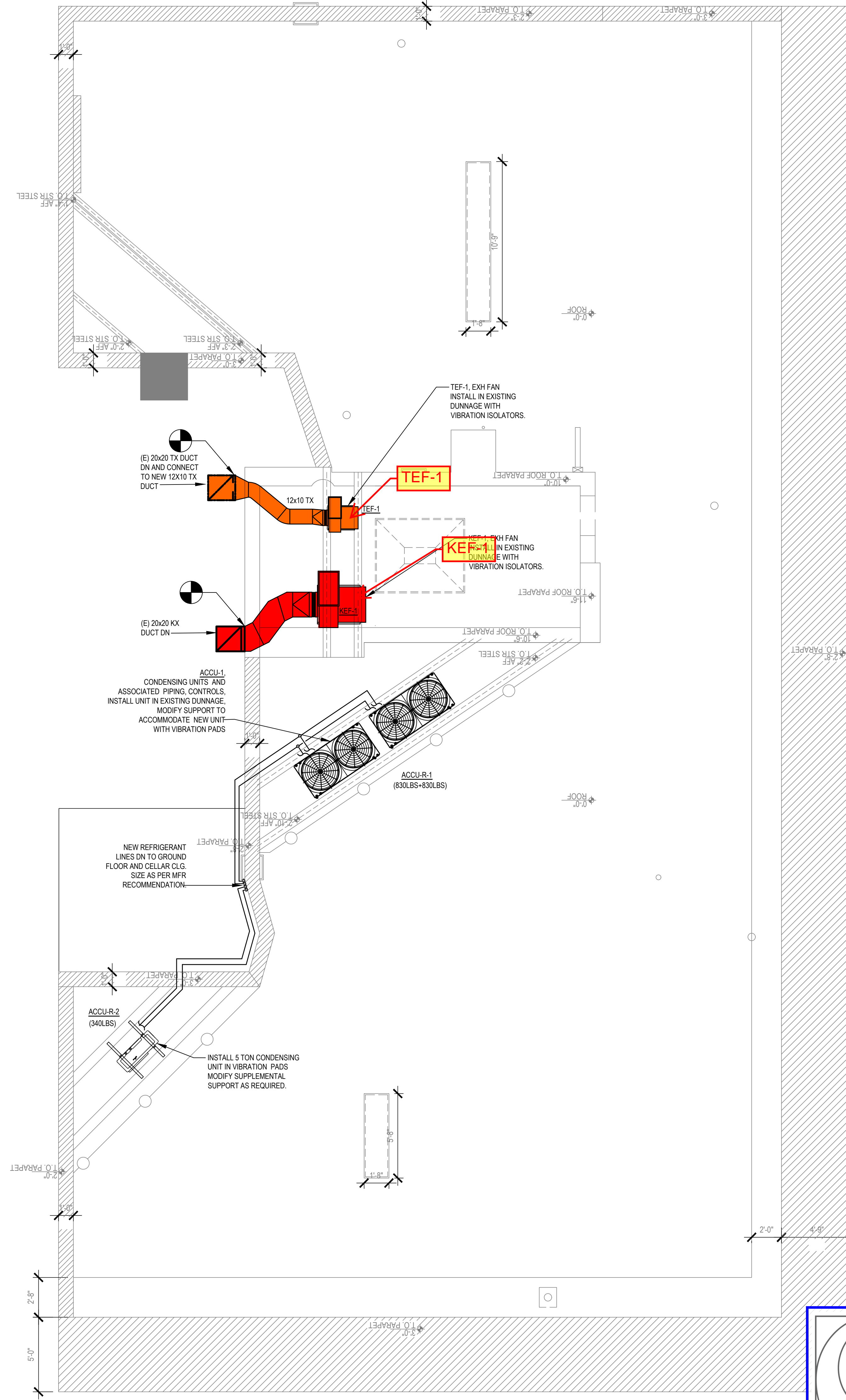
- PROVIDE ACCESS DOORS FOR MECHANICAL EQUIPMENT, DAMPERS, SMOKE DETECTORS, VALVES, ETC AND SHALL BE COORDINATED WITH ARCHITECT FOR CEILING ACCESS.
- PROVIDE 1" ACOUSTICAL LINING A MINIMUM 20 FT DOWNSTREAM OF AC UNITS.
- CONTRACTOR SHALL SUBMIT BALANCING REPORT TO ENGINEER OF ENTIRE FLOOR AT THE END OF CONSTRUCTION.
- PROVIDE (1) ADDITIONAL DAY OF COMFORT BALANCING AFTER THE BALANCING REPORT HAS BEEN APPROVED.
- TRANSFER AIR DUCTS TO BE INTERNALLY LINED.
- ALL EXPOSED DUCT TO BE INTERNALLY LINED.
- ALL DUCTWORK MUST BE RIGID. FLEX DUCT IS NOT PERMITTED.
- ALL NEW DUCTWORK UPSTREAM & DOWNSTREAM OF AC UNITS AND EXHAUST FANS SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE FUNCTIONAL CRITERIA OF SMACNA STANDARDS FOR LOW PRESSURE DUCTWORK. DIMENSIONS SHOWN FOR LINED DUCTWORK SHALL BE CLEAR INSIDE DIMENSIONS.
- ALL DUCT SPLITS AND TAKE-OFFS SHALL BE PROVIDED WITH VOLUME DAMPERS. SPLITTER DAMPERS AND AIR EXTRACTORS ARE NOT ACCEPTABLE. PROVIDE CORD-OPERATED VOLUME DAMPERS FOR ALL DAMPERS ABOVE INACCESSIBLE CEILING.
- VOLUME DAMPERS IN BRANCH DUCTS SHALL BE LOCATED AS FAR AS POSSIBLE FROM AIR OUTLET OR INLET IN ORDER TO REDUCE NOISE AND TURBULENCE. DAMPERS SHALL INCLUDE RAISED SADDLES FOR LOCKING QUADRANT HANDLE, 3/8 INCH ROD AND SEALED END BEARINGS.
- ALL HVAC EQUIPMENT AND CONTROL DEVICES ABOVE INACCESSIBLE CEILING MUST BE PROVIDED WITH ACCESS DOORS AT CEILING FOR SERVICE AND MAINTENANCE.
- ALL OUTSIDE AIR DUCT SHALL BE ALUMINUM CONSTRUCTION WITH EXTERNAL RIGID INSULATION.
- FOR KITCHEN HOOD, MAKE UP AIR AC UNIT, FIRE SUPPRESSION SYSTEM REFER TO CAPTIVE AIRE SHEETS.
- FOR KITCHEN EXHAUST SYSTEM REFER TO CAPTIVE AIRE SHEET DRAWING.
- INSTALL THERMOSTAT, TEMPERATURE SENSOR, CARBON MONOXIDE DETECTOR 48" AFF. PROVIDE LABEL TO MATCH THE UNIT TAG AND CORRESPOND TO THE ELECTRICAL LEGEND IN THE ELECTRICAL PANEL. COORDINATE FINAL LOCATION WITH OWNER REPRESENTATIVE.
- PROVIDE ANALOX AX60 OR APPROVED EQUAL CARBON DIOXIDE SENSOR WITH REMOTE ALARM REPEATER TO BE MTD 18" AFF. PROVIDE CARBON DIOXIDE SENSOR W/ RELAY. RELAY SHALL BE INTERLOCKED WITH THE BLDG FIRE ALARM SYSTEM. THE SENSOR SHALL BE EQUIPPED WITH A LOCAL AUDIBLE & VISUAL ALARM. THE LOW LEVEL ALARM SHALL ACTIVATE THE LOCAL AUDIBLE AND VISUAL ALARM. THE HIGH LEVEL ALARM SHALL ACTIVATE RELAY. INSTALL SENSOR PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- ALARM SET POINTS:
LOW LEVEL ALARM - 0.5% = 5,000 PPM
HIGH LEVEL ALARM - 3.0% = 30,000 PPM
- INSTALL KITCHEN HOOD FIRE SUPPRESSION MANUAL PULL STATION. COORDINATE EXACT LOCATION WITH THE AUTHORITY HAVING JURISDICTION.
- ALL DUCTWORK SHALL BE INSTALLED AS HIGH AS POSSIBLE TO THE UNDERSIDE OF STRUCTURES. COORDINATE THIS WITH ALL OTHER TRADES INSTALLED ABOVE CEILING. SUBMIT FULLY COORDINATED SHOP DRAWINGS FOR REVIEW AND APPROVAL.
- 2 HR FIRE RATED CONSTRUCTION ON STAIRWELL CEILING. COORDINATE WITH ARCHITECTURAL DWGS. OBTAIN FIRE RESISTANCE RATED CONSTRUCTION INSPECTION TO ENSURE COMPLIANCE THAT CEILING IS 2 HOUR RATED & DUCTS ARE ISOLATED.



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ROOF HVAC DEMO PLAN
SCALE: 1/4"=1'-0"



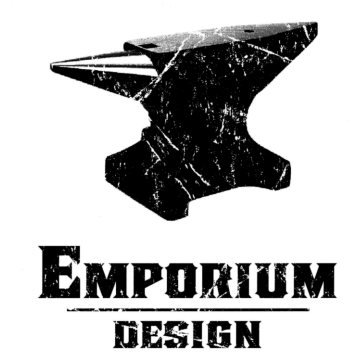
ROOF HVAC PLAN
SCALE: 1/4"=1'-0"

DESIGN ARCHITECT	Emporium Design, LLC	CLIENT	Shake Shack
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MEP ENGINEER	SRW Engineers		
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SEAL SIGNATURE:

SRW	5/20/22	ISSUED FOR CONSTRUCTION	
SRW	4/12/22	100% PERMIT SET	
NO.	BY	DATE	DESCRIPTION



MECHANICAL
ROOF PLANS

M-150.00

AS NOTED	NO. OF SHEETS	4 OF 23
PROJECT	1379	
CLIENT	Shake Shack LES	
DRAWING NO.	M00673707-11	