





- GENERAL WORK NOTES:**
1. SIZE ALL REFRIGERANT PIPING AS PER MANUFACTURER'S INSTALL MANUAL. INSTALL ALL REFRIGERANT PIPING AS PER SPECIFICATIONS.
  2. INSTALL HVAC EQUIPMENT AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
  3. CONTRACTOR SHALL EMPLOY THE SERVICES OF A LICENSED, INDEPENDENT, TESTING AND BALANCING AGENCY TO BALANCE EXISTING DUCTWORK AND DIFFUSERS TO THE VALUES SHOWN, FOR SYSTEMS RTU-1 THROUGH RTU-3.
  4. INSULATE ALL HOT WATER PIPING AS PER SPECIFICATION.
  5. PROVIDE VOLUME DAMPERS AT ALL BRANCH DUCTS.
  6. MAX FLEX DUCT TO BE 5'-0".
  7. CLEAN AND SANITIZE EXISTING DUCTWORK AS NECESSARY. SEE SPECIFICATIONS FOR MORE INFORMATION.

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DATE: 04/21/2023  
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**VILLAGE OF MOUNT KISCO**

ADDITIONS AND ALTERATIONS TO MUTUAL STATION



99 MAIN STREET, MOUNT KISCO, NY 10549

CONTRACT

**CONTRACT G**  
**GENERAL CONSTRUCTION**

STATUS

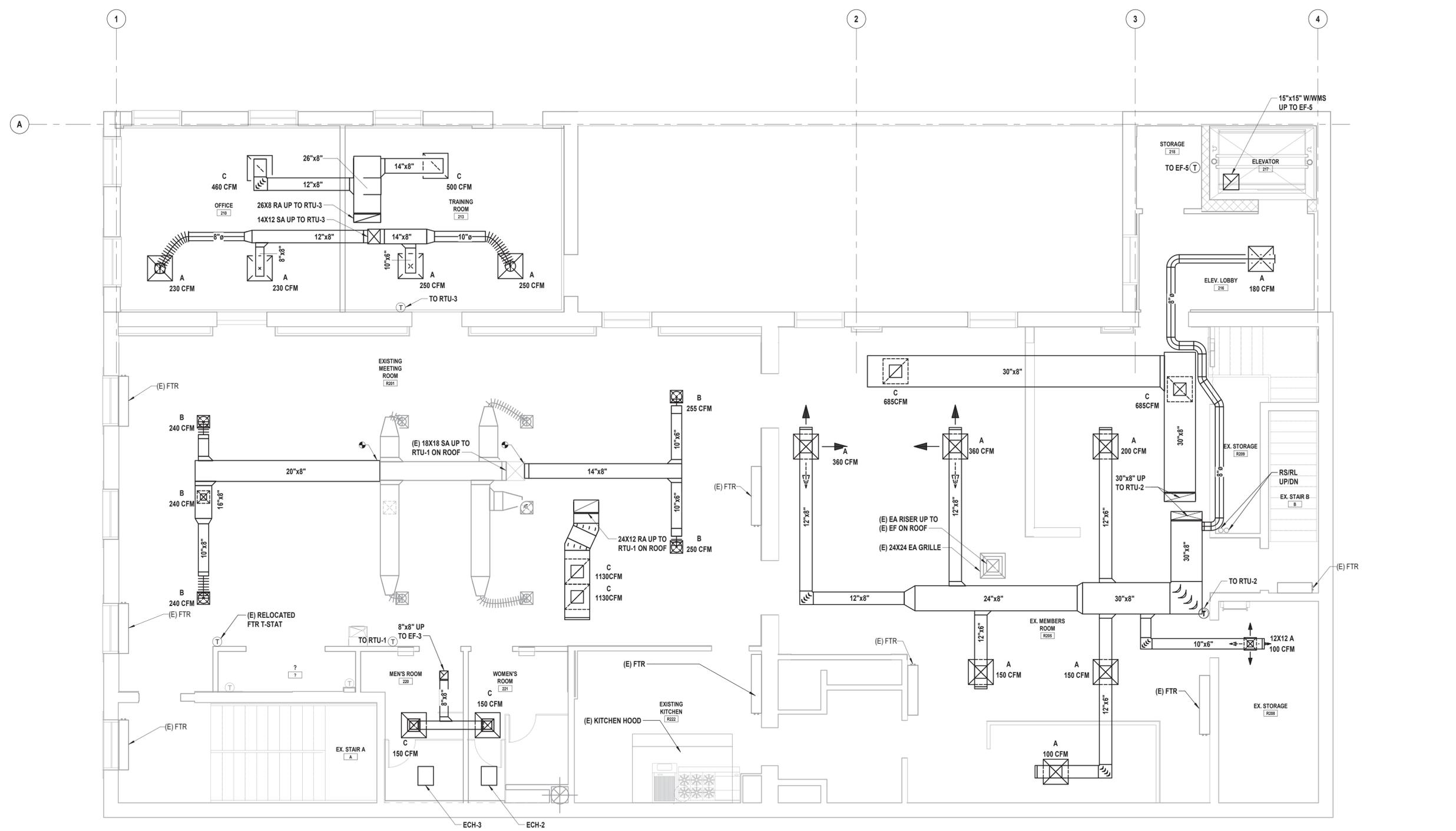
**CONSTRUCTION DOCUMENTS**

SHEET TITLE

**SECOND FLOOR HVAC PLAN**

DRAWING No.

**M 132**



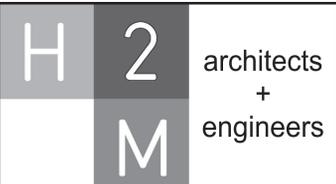
**1 Second Floor HVAC Plan**  
SCALE: 1/4" = 1'-0"

**KEYED MECHANICAL CONSTRUCTION NOTES:**

- 1 CONTRACTOR SHALL PROVIDE AND INSTALL ROOF HARNESS TIE OFF POINTS, FOR RTU-3. SEE 'A' DRAWINGS FOR FURTHER INFORMATION ON ROOF TIE OFF POINTS.

**GENERAL WORK NOTES:**

1. COORDINATE FINAL LOCATION OF RTU'S WITH STRUCTURAL DRAWINGS.
2. ALL HVAC EQUIPMENT TO BE 10'-0" MINIMUM FROM ROOF EDGE WHERE PARAPET IS NOT PROVIDED.
3. ALL FASTENERS INTO TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED OR STAINLESS STEEL.
4. ALL CURBS FOR MECHANICAL EQUIPMENT TO BE PROVIDED AND INSTALLED BY THE 'H' CONTRACTOR.
5. ROOFING WORK SHALL BE PERFORMED BY A CERTIFIED CONTRACTOR APPROVED BY THE ROOF SYSTEM MANUFACTURER TO ENSURE CONTINUAL WARRANTY COVERAGE OF THE ROOF SYSTEM. ALL WORK SHALL BE PERFORMED SO THAT THE WARRANTY WILL BE MAINTAINED AND AVOID OR ALTER THE WARRANTY. THESE DRAWINGS SERVE AS A GENERAL GUIDELINE FOR TYPICAL ROOFING CONVENTIONS. REFER TO AND ADHERE TO MANUFACTURER'S DETAILS AND WARRANTY REQUIREMENTS FOR ADDITIONAL INFORMATION.
6. NO ASBESTOS CONTAINING MATERIAL IS ALLOWED TO BE UTILIZED IN THE INSTALLATION OF ANY ROOFING CAULKING OR MATERIAL.
7. OUTDOOR AIR INTAKES SHALL BE LOCATED 10'-0" MINIMUM FROM ANY SOURCE OF BUILDING EXHAUST.



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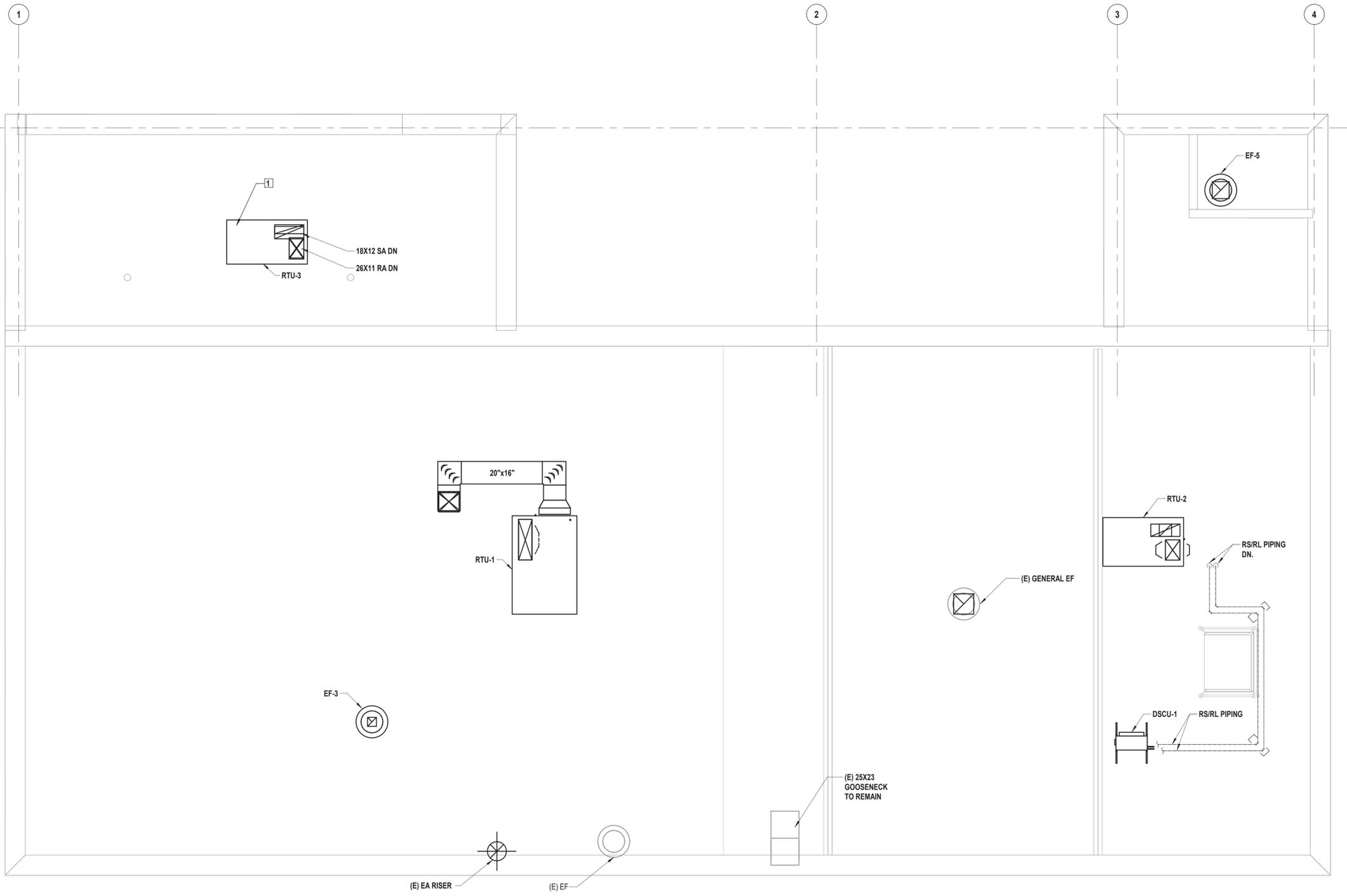
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SHEET TITLE

**ROOF HVAC PLAN**

DRAWING No.

**M 133**



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**PACKAGED ROOFTOP UNITS**

EQUIPMENT NO.	LOCATION	AREA SERVED	EER	IEER	PERFORMANCE/CONSTRUCTION REQUIREMENTS																			REMARKS			
					SUPPLY FAN				MIXED AIR		COOLING COIL				FILTERS	HEATING COIL				BASIS OF DESIGN INFORMATION							
					AIR FLOW (CFM)	NOMINAL SIZE (TONS)	EXT. S.P. (IN W.G.)	BHP	OUTDOOR AIRFLOW (CFM)	OUTDOOR AIR DB/WB (DEG. F)	NO. OF COMPRESSORS	NO. OF COOLING STAGES	REFRIGERANT TYPE	TOTAL/SENSIBLE CAPACITY (MBH)		AIR DATA		HEATING OUTPUT CAPACITY (MBH)	HEATING MEDIUM			MNF	MODEL NO.		NOMINAL DIMENSIONS LxWxH	NOMINAL OPERATION WEIGHT (LBS)	ELECTRICAL DATA
																ENT. DB/WB (DEG. F)	MAX LVG DB/WB (DEG. F)		GAS		VOLTS/PHASE						
INPUT GAS FLOW (CFH)		ENT. AIR TEMPERATURE (DEG. F)		LVG. AIR TEMPERATURE (DEG. F)																							
RTU-1	ROOF	2ND FL. MEETING HALL	12	13.8	2665	7.5	1.24	1.54	403	92/74	2	2	R410A	89.5/64.7	78.4/65.7	55.9/54.6	MERV 8	103	125	59.2	95.1	CARRIER	48HCDE08E2M5-6W2M0	88.1x59.5x49.4	925	208/3	1-11
RTU-2	ROOF	2ND FL. MEMBERS ROOM	16.4	-	1600	4	1.23	1.19	229	92/74	1	2	R410A	48.8/36.5	78.3/65.6	57.2/55.7	MERV 8	59	72	59.7	93.9	CARRIER	48LCD0A05E3M5-0R2F0	74.4x46.8x41.4	915	208/3	2-12
RTU-3	ROOF	2ND FL. OFFICE, TRAINING ROOM	-	16.1	960	3.0	1.00	0.52	150	92/74	1	2	R410A	33.4/22.4	80.0/67.0	58.4/55.9	MERV 8	54	67	60.0	112.1	CARRIER	48GCDN04A2M5-3W2T0	74.4x46.6x33.4	734	208/3	2-9,11-13

- NOTES:
1. VERTICAL DISCHARGE RETURN, HORIZONTAL DISCHARGE SUPPLY CONFIGURATION.
  2. NON-FUSED DISCONNECT.
  3. UN-POWERED CONVENIENCE OUTLET.
  4. WALL MOUNTED LCD DISPLAY THERMOSTAT.
  5. DEHUMIDIFICATION.
  6. 14" ROOF CURB.
  7. CONDENSER COIL GUARD.
  8. THRU BASE ELECTRICAL CONNECTIONS.
  9. ECONOMIZER WITH DIFFERENTIAL ENTHALPY CONTROL.
  10. TWO STAGE HEATING.
  11. TWO STAGE COOLING.
  12. VERTICAL RETURN/SUPPLY CONFIGURATION.
  13. LOW HEAT

**AIR OUTLETS**

DESIGNATION	SYMBOL	BASIS OF DESIGN: MNF/ MODEL NO.	DESCRIPTION	FACE SIZE (IN)	AIR FLOW RANGE (CFM)		NECK SIZE DIAMETER (IN.)	NOTES
					MIN	MAX		
A		NAILOR/UNI	SQUARE FACE CEILING DIFFUSER	24 X 24	0	200	6	1-5
					201	315	8	
					316	450	10	
					451	650	12	
					651	850	14	
B		NAILOR/UNI	SQUARE FACE CEILING DIFFUSER	12 X 12	0	80	4	
					81	125	5	
					126	200	6	
C		NAILOR/6145H-0	RETURN/EXHAUST GRILLE	24 X 24	SEE DRAWINGS	SEE DRAWINGS	NA	
					SEE DRAWINGS	SEE DRAWINGS	NA	
D		NAILOR/6145H-0	RETURN/EXHAUST GRILLE	12 X 12	SEE DRAWINGS	SEE DRAWINGS	NA	

- NOTES:
1. PROVIDE ALUMINUM CONSTRUCTION FOR ALL AIR TERMINALS IN SHOWER ROOMS, TOILETS, JANITORS' CLOSETS AND OTHER HUMID AREAS
  2. FOR CONSTRUCTION DETAILS AND ACCESSORIES SEE THE SPECIFICATIONS.
  3. PROVIDE OPPOSED BLADE DAMPERS FOR ALL REGISTERS.
  4. PROVIDE OPPOSED BLADE DAMPER AND EQUALIZING GRID FOR ALL DIFFUSERS.
  5. PROVIDE MOUNTING FRAMES TO MATCH CEILING IN WHICH UNIT IS INSTALLED, COUNTERSINK ALL MOUNTING SCREWS.

**LOUVERS**

EQUIP. NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION		NOTES
			AIR FLOW RATE (CFM)	MAX. PD (IN. W.C.)	FREE AREA (SQ. FT.)	OVERALL NOMINAL SIZE W X H	SERVICE	MNF	MODEL NO.	
L-1	NORTH SIDE OF APPARATUS BAY	EF-1, 4	2770	.06	4.96	40" x 40"	VENTILATION	GREENHECK	EHH-601	1-5
L-2	NORTH SIDE OF APPARATUS BAY	EF-4	1880	.08	3.16	32" x 32"	EXHAUST	GREENHECK	EHH-601	1-4
LV-VXH	NORTH WALL OF NEW APPARATUS BAY	VEF-1	2100	.09	3.4	48" x 24"	EXHAUST	GREENHECK	EHH-601	1-4, 6

- NOTES:
1. PROVIDE AND INSTALL BIRD SCREEN
  2. ALUMINUM CONSTRUCTION
  3. PROVIDE AAMA 2605 FINISH IN COLOR AS SELECTED BY ARCHITECT.
  4. PROVIDE ANCHOR CLIPS FOR INSTALLATION.
  5. PROVIDE VCD-23 MOTORIZED DAMPER AND 115V/1PH ACTUATOR
  6. PROVIDE VCD-23 MOTORIZED DAMPER AND 208V/3PH ACTUATOR

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**GENERAL CONSTRUCTION**

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**CONSTRUCTION DOCUMENTS**

SHEET TITLE

**SCHEDULES (2 OF 2)**

DRAWING No.

**M 620**

**GENERAL DEMOLITION WORK NOTES:**

- OVER-DEMOLITION SHALL BE ALLOWED PROVIDED THAT ALL SURFACES SHALL BE REBUILT TO MATCH MATERIALS, AND APPEARANCE TO THOSE WHICH WERE REMOVED IN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS AND AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EXISTING EQUIPMENT, FIXTURES AND FINISHES THROUGHOUT CONSTRUCTION AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE INCURRED.
- THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER, AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.

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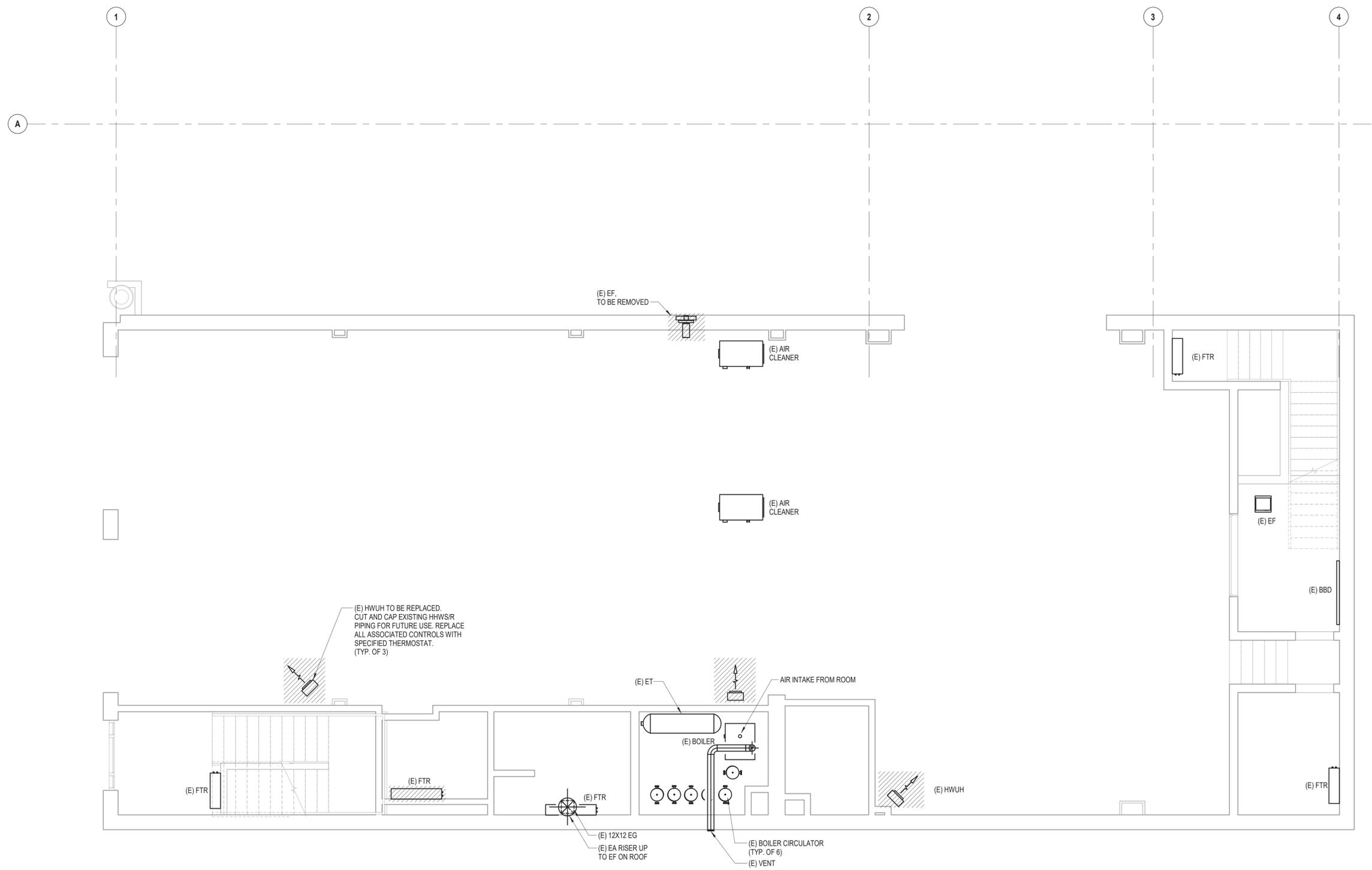
**CONSTRUCTION DOCUMENTS**

SHEET TITLE

**FIRST FLOOR HVAC DEMO PLAN**

DRAWING No.

**MD 101**



**1 First Floor HVAC Demo Plan**  
SCALE: 1/4" = 1'-0"

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  - THE CONTRACTOR SHALL PROTECT ALL PORTIONS OF THE BUILDING FROM DUST, WEATHER, AND FREEZING TO PREVENT DAMAGE TO THE EXISTING STRUCTURE OR BUILDING CONTENTS.
  - EXISTING FINNED TUBE RADIATORS (FTR) SHOWN TO BE REMOVED, SHALL BE REMOVED IN ITS ENTIRETY, REPIPE HHWS AND HHWR PIPING AS NECESSARY TO MAINTAIN HOT WATER LOOP.

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99 MAIN STREET, MOUNT KISCO, NY 10549

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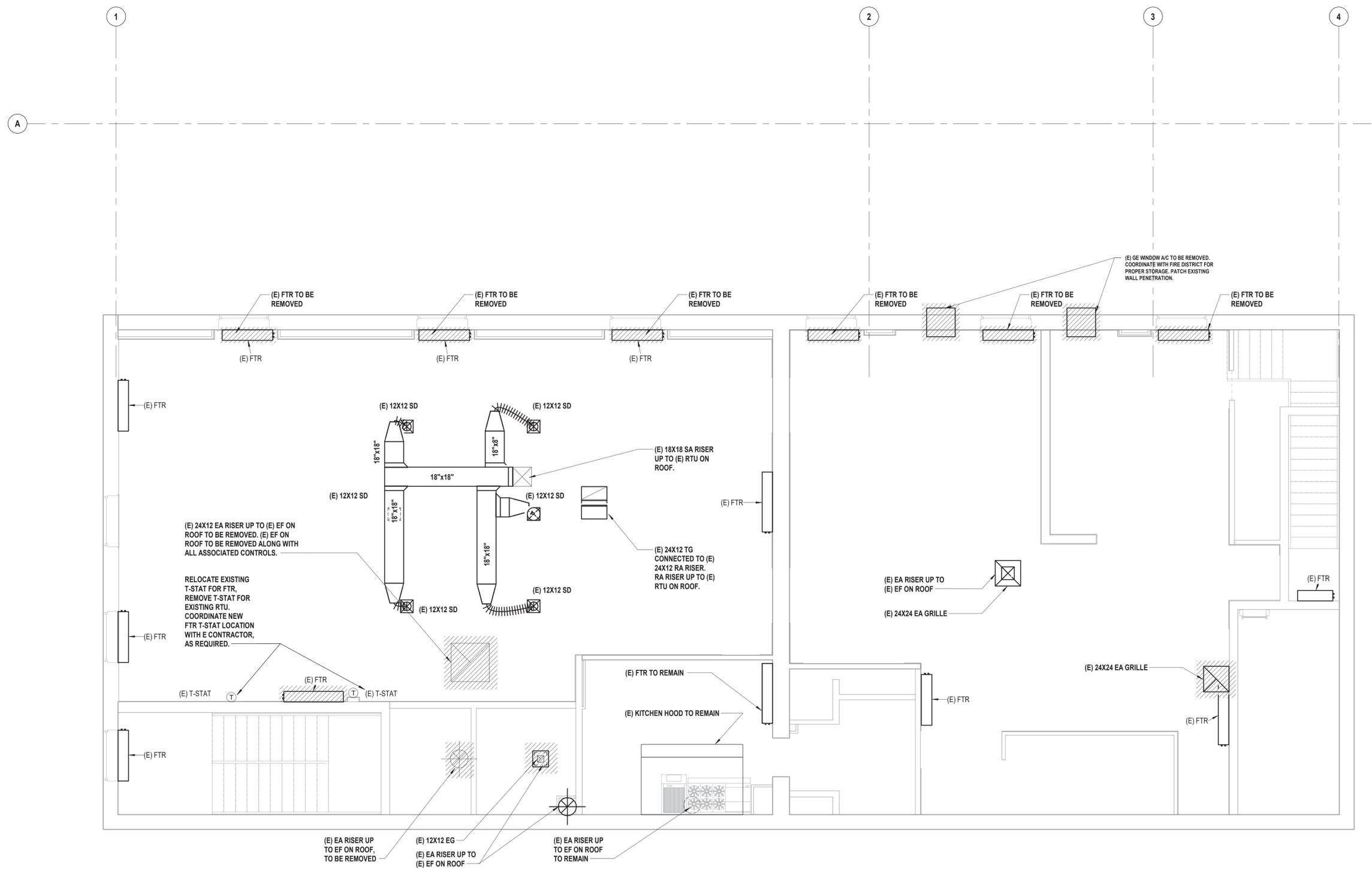
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**SECOND FLOOR HVAC DEMO PLAN**

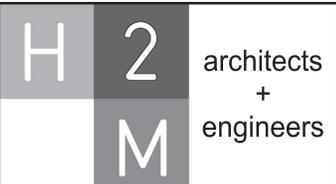
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**MD 102**



**1 Second Floor HVAC Demo Plan**  
SCALE: 1/4" = 1'-0"

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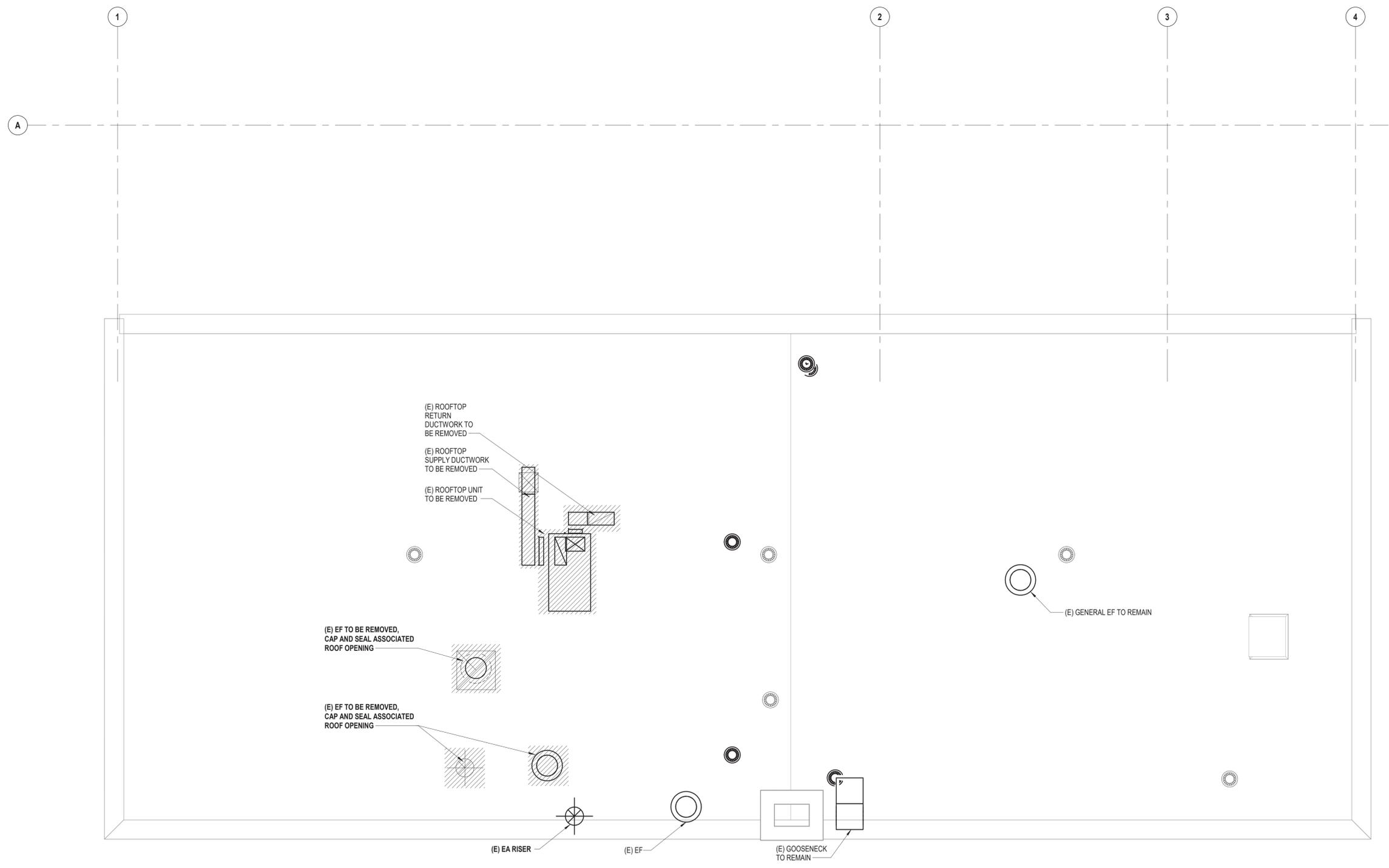
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**CONTRACT G  
GENERAL CONSTRUCTION**

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**ROOF HVAC DEMO PLAN**

DRAWING No.  
**MD 103**



**1 Roof HVAC Demo Plan**  
SCALE: 1/4" = 1'-0"

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