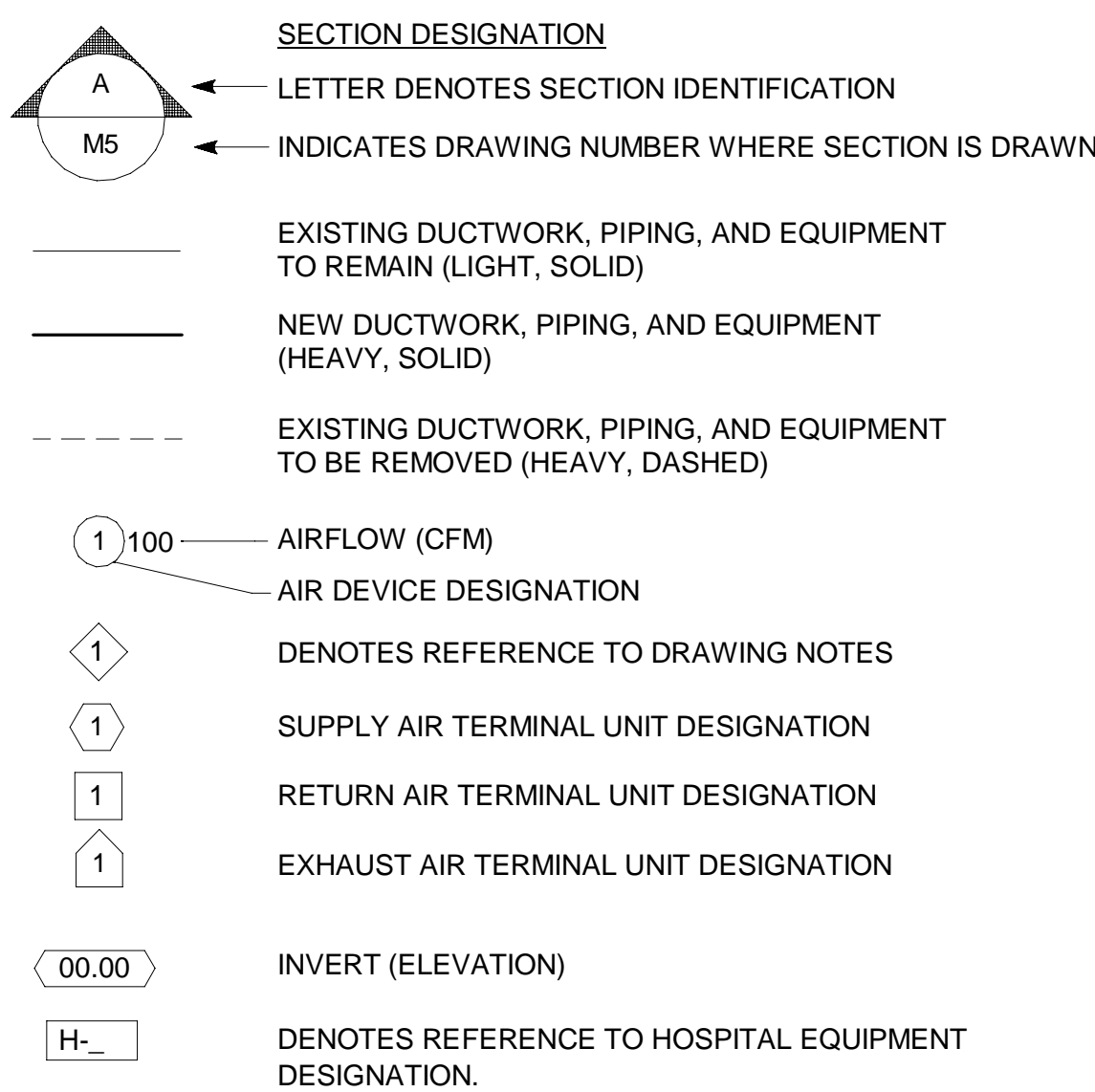
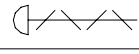
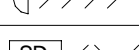
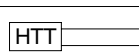
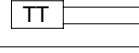
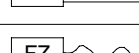

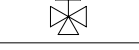


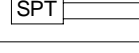



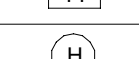

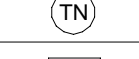
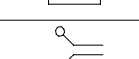

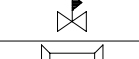


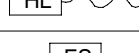
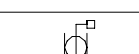


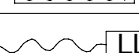
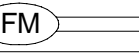
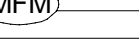
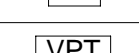


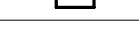












HVAC PIPE SYSTEM DESIGNATIONS		OTHER PIPE DESIGNATIONS	
— XX —	SOLID LINE DENOTES SUPPLY	— XX —	
- - - XX - - -	HIDDEN LINE DENOTES RETURN	G	NATURAL GAS
CD	CONDENSATE DRAIN	LPG	LOW PRESSURE GAS
CHWS	CHILLED WATER SUPPLY	D	DRAIN
CHWR	CHILLED WATER RETURN		
CHGS	CHILLED GLYCOL SUPPLY		
CHGR	CHILLED GLYCOL RETURN		
CWS	CONDENSER WATER SUPPLY		
CWR	CONDENSER WATER RETURN		
HS	HOT WATER HEATING SUPPLY		
HR	HOT WATER HEATING RETURN		
RHS	REHEAT HOT WATER HEATING SUPPLY		
RHR	REHEAT HOT WATER HEATING RETURN		
LPS	LOW PRESSURE STEAM SUPPLY (15 PSIG)		
LPR	LOW PRESSURE CONDENSATE RETURN		
HPS 70	HIGH PRESSURE STEAM SUPPLY (70 PSIG)		
HPR 70	HIGH PRESSURE CONDENSATE RETURN (70 PSIG)		
HPS 90	HIGH PRESSURE STEAM SUPPLY (90 PSIG)		
HPR 90	HIGH PRESSURE CONDENSATE RETURN (90 PSIG)		
PC	PUMPED CONDENSATE		
RS	REFRIGERANT SUCTION		
RL	REFRIGERANT LIQUID		
HG	REFRIGERANT HOT GAS		
FOS	FUEL OIL SUPPLY		
FOR	FUEL OIL RETURN		
FOV	FUEL OIL VENT		
FOF	FUEL OIL FILL		
FOG	FUEL OIL GAGE		
GS	GLYCOL SUPPLY		
GR	GLYCOL RETURN		

MECHANICAL SHEET LIST		
SHEET NUMBER	SHEET NAME	CURRENT REVISION
OBGN		
M000	GENERAL INFORMATION - MECHANICAL	3
M001	SPECIFICATIONS - MECHANICAL	3
M002	SPECIFICATIONS - MECHANICAL	3
MD101	GROUND FLOOR DEMOLITION PLAN - AREA A HVAC	3
MD102	GROUND FLOOR DEMOLITION PLAN - AREA B HVAC	3
VD201	ROOF DEMOLITION PLAN - AREA A HVAC	3
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M101	GROUND FLOOR PLAN - AREA A HVAC	3
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M701	DETAILS - MECHANICAL	3
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M801	SCHEDULES - MECHANICAL	3



ATC DIAGRAM LEGEND		
SYMBOL	DEVICE	DESIGNATION
	AUTOMATIC CONTROL DAMPER	D- (OPPOSED BLADE) (PARALLEL BLADE)
	AUTOMATIC CONTROL DAMPER	D-
	SMOKE ISOLATION DAMPER	SD-
	HUMIDITY/TEMPERATURE TRANSMITTER	HTT-
	TEMPERATURE TRANSMITTER	TT-
	HUMIDITY TRANSMITTER	HT-
	FREEZE STAT (ELECTRIC)	FZ-
	AUTOMATIC CONTROL VALVE (TWO-WAY)	V-
	AUTOMATIC CONTROL VALVE (THREE-WAY)	V-
	AIR MEASURING DEVICE (DUCT MOUNTED)	AMD-
	SMOKE DETECTOR	SD-
	PUMP	P-
	STATIC PRESSURE TRANSMITTER	SPT-
	TEMPERATURE TRANSMITTER (PNEUMATIC)	TT-
	VARIABLE FREQUENCY CONTROLLER	VFC-
	DIFFERENTIAL PRESSURE SWITCH	
	SPACE TEMPERATURE SENSOR	T-
	SPACE THERMOSTAT (DIGITAL)	
	SPACE HUMIDITY SENSOR	H-
	SPACE HUMIDITY TRANSMITTER	HT-
	NIGHT THERMOSTAT (PNEUMATIC)	TN-
	DIFFERENTIAL FLOW TRANSMITTER	FT-
	FLOW METER FITTING	FM-
	AQUASTAT	AS-
	FLOW SWITCH	FS-
	FAN (VANE AXIAL)	
	FAN (CENTRIFUGAL)	
	SPACE THERMOSTAT - ELECTRIC	TE-
	HUMIDITY HIGH LIMIT DIGITAL	HL-
	END SWITCH	ES-
	MOTORIZED BUTTERFLY VALVE	V-
	AIR MEASURING DEVICE (FAN INLET)	AMD-
	FILTER	
	COIL	
	TEMPERATURE LOW LIMIT	LL-
	INSERTION FLOW METER (TRANSMITTER)	FM-
	MAGNETIC FLOW METER (TRANSMITTER)	MFM-
	CURRENT SWITCH	CS-
	VELOCITY PRESSURE TRANSMITTER	VPT-
	SOLENOID VALVE	SV-
	PLENUM FAN	
	PRESSURE MONITOR	

ABC ASSOCIATED AIR BALANCE COUNCIL
AAP MEDICAL GAS AREA ALARM PANEL.
ABBREVV ABBREVIATION
ABV ABOVE
ACCU AIR COOLED CONDENSING UNIT
ACU AIR CONDITIONING UNIT
AD ACCESS DOOR
AFF ABOVE FINISHED FLOOR
AHU AIR HANDLING UNIT
ALP ALARM PANEL
APD AIR PRESSURE DROP
APPROX APPROXIMATE, APPROXIMATELY
ARCH ARCHITECT, ARCHITECTURAL
ARRG ARRANGEMENT
ASHRAE AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS
ASPE AMERICAN SOCIETY OF PLUMBING ENGINEERS
ATC AUTOMATIC TEMPERATURE CONTROLS
BHP BRAKE HORSEPOWER
BLDG BUILDING
BLW BELOW
BNTH BENEATH
BTUH BTU PER HOUR
C COMMON
CC COOLING COIL
CD CEILING DIFFUSER
CLG CEILING COOLING
COMP. COMPRESSOR
CONC CONCRETE
CONN CONNECTION, CONNECT
CONT CONTINUATION, CONTINUED
CU CONDENSING UNIT
CUH CABINET UNIT HEATER
dB DRY BULB
DBA DECIBEL (REFERENCE "A" SCALE)
DESIG DESIGNATION
DIFF DIFFUSER
DISCH. DISCHARGE
DN DOWN
DOAS DIRECT OUTDOOR AIR SUPPLY
DWG DRAWING
(E) EXISTING SCOPE
(ETR) EXISTING SCOPE TO REMAIN
EA EXHAUST AIR
EAT ENTERING AIR TEMPERATURE
EQR EQUIVALENT DIRECT RADIATION
EER ENERGY EFFICIENCY RATIO
EF EXHAUST FAN
EFF EFFICIENCY
EGT ENTERING FLUID TEMPERATURE, EFFECTIVENESS
EH EXHAUST GRILLE
ELC ELECTRICAL
ELEV ELEVATION
ESP EXTERNAL STATIC PRESSURE
ETR EXISTING TO REMAIN
EWT ENTERING WATER TEMPERATURE
EX EXISTING
EXP EXPOSED
EXPS DEGREES FAHRENHEIT
F FILTER BANK
FCU FAN COIL UNIT
FHC FIRE HOSE CABINET
FLA FULL LOAD AMPS
FLR FLOOR
FO FUEL OIL
FOB FLAT ON BOTTOM
FOT FLAT ON TOP
FPI FINS PER INCH
FPM FEET PER MINUTE
FPS FEET PER SECOND
FT FEET
G GAGE
GAL GALLON
GALV GALVANIZED
GPD GALLONS PER DAY
GPH GALLONS PER HOUR
GPM GALLONS PER MINUTE
GR GRILLE
H HEIGHT
H.P. HIGH PRESSURE
HD HEAD
HORIZ HORIZONTAL
HP HORSEPOWER, HEAT PUMP
HVAC HEATING, VENTILATING, AIR CONDITIONING
HZ HERTZ
IMP IMPELLER
IN W.G. INCHES OF PRESSURE, WATER GAUGE
KW KILOWATT
L LENGTH
L.P. LOW PRESSURE
LAT LEAVING AIR TEMPERATURE
LB. POUNDS
LFT LEAVING FLUID TEMPERATURE
LWT LEAVING WATER TEMPERATURE
MAX MAXIMUM
MBH THOUSAND BTU PER HOUR
MCU MODE-CONTROL UNIT
MECH MECHANICAL
MIN MINIMUM
M.O.D. MOTOR OPERATED DAMPER
MTD MOUNTED
N) NEW SCOPE
N.C. NORMALLY CLOSED
N.O. NORMALLY OPEN
NO. NUMBER
NC NOISE CRITERIA
NEBB NATIONAL ENVIRONMENTAL BALANCING BUREAU
NEPA NATIONAL FIRE PROTECTION ASSOCIATION
OE OUTSIDE AIR
OD OPEN END DUCT
OEP OPEN END PIPE
OS&Y OUTSIDE STEM AND YOKE
PH PHASE
PLBG PLUMBING
PPH POUNDS PER HOUR (STEAM)
PPM PARTS PER MILLION
PSG POUNDS PER SQUARE INCH (GAGE)
QTY QUANTITY
RA RETURN AIR
REG REGISTOR
REQD REQUIRED
RG RETURN GRILLE
RH RELATIVE HUMIDITY
RHC REHEAT COIL
RLFA RELIEF AIR
RPM REVOLUTIONS PER MINUTE
RWC RAINWATER CONDUCTOR
RMX REMOVED EXISTING
SA SUPPLY AIR
SF SQUARE FEET
SMACNA SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
SH SENSIBLE HEAT
SPEC SPECIFICATIONS
STRUCT STRUCTURAL
SUCTION SUCTION
TH TOTAL HEAT
TSP TOTAL STATIC PRESSURE
TYP TYPICAL
V VOLTS
V.B. VACUUM BREAKER
VAU VARIABLE AIR VOLUME
VEL VELOCITY
VRF VARIABLE REFRIGERANT FLOW
VRV VARIABLE REFRIGERANT VOLUME
VTR VENT THRU ROOF
W WIDTH, WATTS
W/ WITH
W.G. WATER GAGE
WB WET BULB
WDP WATER PRESSURE DROP
ZVB MEDICAL GAS ZONE VALVE BOX

1. REFER TO SHEET M001 - SPECIFICATIONS - MECHANICAL FOR MORE INFORMATION REGARDING PROJECT SCOPE, REQUIREMENTS, AND CONTRACTOR RESPONSIBILITIES.
2. ALL DUCT DIMENSIONS INDICATED WITHIN MECHANICAL DRAWINGS ARE INSIDE CLEAR DIMENSIONS. INTER-DUCT DUCTWORK SHALL BE UP-SIZED TO ACCOUNT FOR THE THICKNESS OF THE INTERIOR INSULATION.
3. THE WORK OF THIS CONTRACTOR SHALL INCLUDE COORDINATION WITH THE WORK OF ALL OTHER CONTRACTORS. THE REQUIREMENTS OF THE SPECIFICATIONS AND THE DRAWINGS, PROVIDE A COORDINATION SHOP DRAWING INDICATING ALL EXISTING AND TO BE ELECTRICAL, CONDUIT, FIRE PROTECTION PIPING, PLUMBING PIPING, AND PROVIDE FOR MECHANICAL DUCTWORK OFFSETS AT THE TYPICAL LOCATIONS AS INDICATED ON DRAWINGS.
4. THE WORK SHALL INCLUDE ALL NECESSARY COMPONENTS SO AS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM CAPABLE OF BEING READY OPERATED AND MAINTAINED.
5. ALL MOTORS SERVED BY VARIABLE FREQUENCY DRIVES SHALL BE DESIGNED FOR INVERTER DUTY.
6. PROVIDE FIRE DAMPERS AND FIRE SMOKE DAMPERS IN ALL DUCTS PENETRATING FIRE RATED WALLS AND FLOOR SLABS AS INDICATED ON DRAWINGS.
7. PROVIDE VOLUME DAMPERS IN ALL DUCTS AT TEES, ELBOWS AND OUTLETS.
8. PROVIDE PIPE ANCHORS AND GUIDES AS REQUIRED TO RELIEVE PIPE PRESSURE AS REQUIRED.
9. CONTRACTOR SHALL COORDINATE ANY PROPOSED SLAB PENETRATIONS, EXTERIOR WALL PENETRATIONS, OR SHAFT WALL PENETRATIONS WITH THE ARCHITECT AND MECHANICAL ENGINEER. THIS SHALL BE PRESENTED AS A SHOP DRAWING FOR OWNER, ARCHITECT, STRUCTURAL ENGINEER AND MECHANICAL ENGINEER REVIEW.
10. PROVIDE VIBRATION ISOLATION FOR ALL HVAC EQUIPMENT, ROTATING MACHINES AS REQUIRED.
11. PROVIDE ACOUSTIC INSULATION FOR PER DRAWINGS AND SPECIFICATIONS.
12. PROVIDE ACCESS DOORS IN DUCTWORK WHERE INDICATED OR REQUIRED FOR ACCESS TO SYSTEM COMPONENTS INCLUDING THE FOLLOWING:
 - 12.1. AUTOMATIC DAMPERS, FIRE DAMPERS, AND FIRE SMOKE DAMPERS
 - 12.2. SENSORS AND INSTRUMENTS
 - 12.3. VOLUME DAMPERS
13. PROVIDE ESCUTCHEONS AND SEALING OF ALL PENETRATIONS OF FIRE SEPARATIONS IN ACCORDANCE WITH THE APPLICABLE BUILDING CODES.
14. PROVIDE FOR COORDINATE CONCRETE EQUIPMENT PADS FOR MECHANICAL EQUIPMENT AS REQUIRED.
15. DUCT DIMENSIONS SHALL BE GIVEN ON DRAWINGS TO EXPRESS CLEAR DUCT DIMENSIONS AND DO NOT PROVIDE FOR INTERNAL CORROSION OR INTERNAL CONTAMINATION. IN THE EVENT THAT DUCT DIMENSIONS MUST BE MODIFIED DUE TO IN-FIELD CONDITIONS, MAINTAIN THE STATED CROSS SECTIONAL AREA OF EACH DUCT. REFER TO THE SPECIFICATIONS FOR THE LENGTH AND THICKNESS OF INSULATION AS REQUIRED BY MECHANICAL SYSTEMS.
16. FABRICATE AND INSTALL ALL REFRIGERANT PIPING PER MANUFACTURER'S REQUIREMENTS.
17. PROVIDE AND INSTALL ALL DUCTWORK AND PIPING AS HIGH AS POSSIBLE WITHIN THE CEILING PLENUM. "SHOULD" SHALL BE THE EQUIVALENT OF "FURNISH AND INSTALL."
18. CONTRACTOR SHALL COVER AND PROTECT DUCTWORK FROM DIRT, DUST, AND CONSTRUCTION DEBRIS. PROVIDE PROTECTIVE COVERING TO PROTECT EXISTING DUCTWORK INTERFERES SO AS TO PREVENT THE ENTRAPMENT, CIRCULATION, AND TRANSFER OF CONSTRUCTION DUST TO OTHER AREAS AS WELL AS THE PREMATURE LOADING OF HVAC EQUIPMENT FILTERS.
19. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE BUILDING OWNER AND THE ARCHITECT FOR THE REMOVAL OF EXISTING MATERIALS, REMOVAL OF EXISTING MATERIALS, REMOVAL OF EXISTING MATERIALS, AND DELIVERY OF NEW EQUIPMENT/MATERIALS.

1. REFER TO SHEET M001 - SPECIFICATIONS - MECHANICAL FOR MORE INFORMATION REGARDING PROJECT SCOPE, REQUIREMENTS, AND CONTRACTOR RESPONSIBILITIES
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE PRIOR TO SUBMITTING THE DEMOLITION REQUEST TO THE OWNER TO FULLY ASSESS THE SITE AND FULLY UNDERSTAND THE NATURE AND SCOPE OF WORK AS INDICATED BY THESE DOCUMENTS AND AS REQUIRED TO PERFORM THE WORK IN ACCORDANCE WITH THE PAVING SCHEDULE AS ISSUED BY THE CONSTRUCTION MANAGER AND / OR LANDLORD/OWNER.
3. THE CONTRACTOR SHALL PERFORM NO DEMOLITION WORK PRIOR TO OBTAINING SPECIFIC WRITTEN DIRECTION TO PROCEED FROM THE DESIGNATED REPRESENTATIVE OF THE OWNER. SPECIFIC WRITTEN APPROVAL MUST BE OBTAINED PRIOR TO CUTTING STEEL, CONDENSATE, OR WATER LINES, OR REMOVING CONDUIT, WIRING OR DEVICES, OR DEMOLISHING EQUIPMENT. SUBMIT A DEMOLITION REQUEST TO THE OWNER FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL ADVISE THE LANDLORD/OWNER AND BUILDING ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO THE INTENDED START OF WORK TO COORDINATE ALL REQUIRED SYSTEM SHUTDOWNS.
4. THE CONTRACTOR SHALL INCLUDE IN THE SCOPE OF WORK A THOROUGH INVESTIGATION OF THE EXISTING CONSTRUCTION INSTALLATION IDENTIFICATION OF ALL EXISTING CONDUIT, CABLES, AND/OR THE ENGINEER, ANY PIPING, WIRING, EQUIPMENT, DEVICES, ETC. WHICH ARE NOT IDENTIFIED ON THE DEMOLITION DRAWINGS AS EITHER "TO REMAIN" OR "TO BE REMOVED." ANY UNIDENTIFIED CONDUIT, CABLES, OR EQUIPMENT OR DEVICES, ETC. FOUND DURING THE INVESTIGATION SHALL BE REMOVED. THE CONSTRUCTION PERIOD SHALL BE THOROUGHLY INVESTIGATED BY THE CONTRACTOR TO DETERMINE ITS SERVICE AND QUALITY OF CONSTRUCTION.
5. WHERE ANY EXISTING SERVICES, SYSTEMS, COMPONENTS, OR DEVICES INTERFERE WITH THE CONSTRUCTION OR RE-ROUTE PROCESS, THE CONTRACTOR SHALL NOTIFY THE OWNER AND OUPON WRITTEN APPROVAL FROM THE LANDLORD/OWNER'S APPROVED REPRESENTATIVE, SHALL ALTER OR RE-ROUTE AS NECESSARY AND AS APPROVED SUCH EXISTING CONDITIONS AS REQUIRED TO FACILITATE THE REMOVAL PROCESS.
6. WHEN EXISTING MATERIALS (ACMI) ARE IDENTIFIED IN THE FIELD AND INTERFERE WITH THE DEMOLITION OR REMOVAL PROCESS AND / OR INTERFERE WITH THE NEW INSTALLATION PROCESS, THE CONTRACTOR SHALL NOTIFY THE LANDLORD/OWNER AND THEIR APPROVED REPRESENTATIVE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION OF ALL EXISTING SYSTEMS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

WALL RATINGS	
XX	
S	SMOKE PARTITION
SB	SMOKE BARRIER
FP	FIRE PARTITION
FB	FIRE BARRIER
1H	1 HOUR FIRE RESISTANCE RATED WALL ASSEMBLY
2H	2 HOUR FIRE RESISTANCE RATED WALL ASSEMBLY
3H	3 HOUR FIRE RESISTANCE RATED WALL ASSEMBLY

NOTE NOT ALL SYMBOLS AND ABBREVIATIONS MAY APPLY TO THIS PROJECT

PROJECT
**PMMG WEST CHESTER
OB/GYN RENOVATION**

OWNER
**Clinical Care Associates of the
University of Pennsylvania Health
System**

1500 Market St Fl 10
Philadelphia, PA 19102

TEVEBAUGH ARCHITECTURE

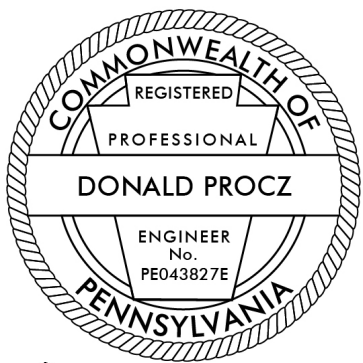
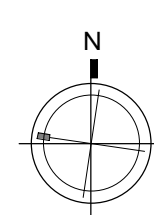
TWO MILL ROAD, SUITE 210
WILMINGTON, DE 19806
302.984.1400

WSP

1700 MARKET STREET, SUITE 1050
PHILADELPHIA, PA 19113
215.209.1200

DCI ENGINEERS
2 MILL ROAD, SUITE 100
WILMINGTON, DE 19806

FOR CONSTRUCTION SET


[illegible]

Date 07/26/2024
Scale 1/8" = 1'-0"
Drawn WSP
Checked WSP
Approved WSP
Project 24021
PMMG: 22.261

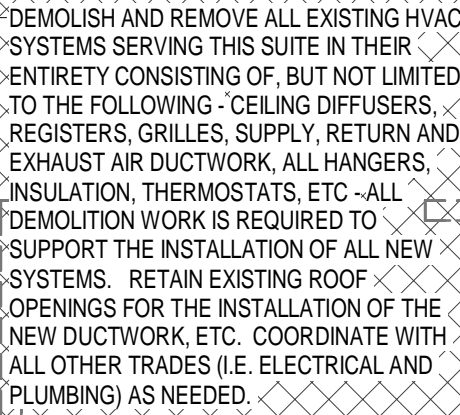
GENERAL INFORMATION

M000

C. EXISTING ROOFTOP UNITS MAY REMAIN IN SERVICE DURING CONSTRUCTION. VERIFY CONSTRUCTION PHASING SCHEDULE WITH OWNER AND CM.

A. DEMO SCOPE OF WORK HATCH 

B. NEIGHBORING TENANT AREA - NIC HATCH

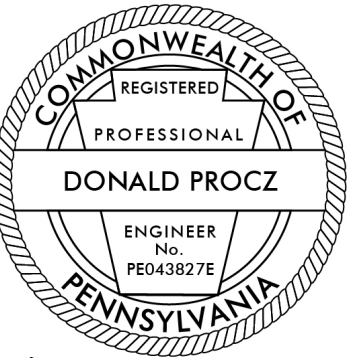


DEMOLISH AND REMOVE EXISTING EXHAUST
FAN AND DUCTWORK IN ITS ENTIRETY.
DEMOLISH ALL CONTROLS, RELATED
CONDUIT, FEEDS, SUPPORTS, INSULATION,
AND OTHER ASSOCIATED APPURTENANCES.
RETAIN ROOF OPENINGS FOR NEW WORK.
COORDINATE WITH OTHER TRADES (I.E.
ELECTRICAL) AS NEEDED.

1
MD101


GROUND FLOOR DEMOLITION PLAN - AREA A HVAC
Scale : 1/4" = 1'-0"

Project Status
**FOR CONSTRUCTION
SET**



Donald S. Gray


[illegible]

	Date	07/26/2024
	Scale	As indicated
	Drawn	WSP
	Checked	WSP
	Approved	WSP
	Project	24021

PMMG: 22.261

GROUND FLOOR DEMOLITION PLAN - AREA A HVAC




 Date 07/26/2024
 Scale As indicated
 Drawn WSP
 Checked WSP
 Approved WSP
 Project 24021
 PMMG: 22.261

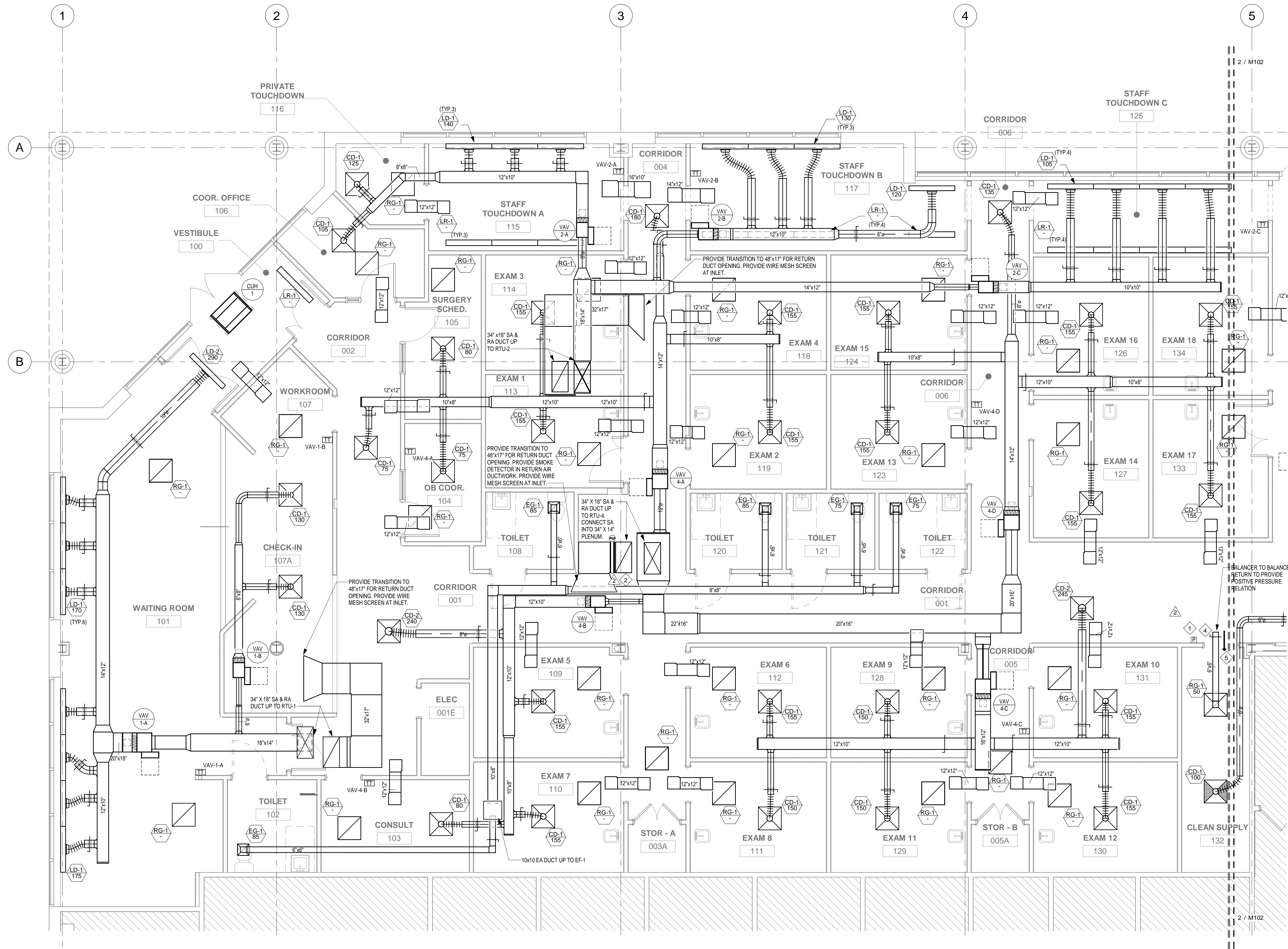


GENERAL NOTES

- REFER TO DRAWING M000 FOR SYMBOLS AND ABBREVIATIONS.
- REFER TO DRAWING M001 FOR MECHANICAL SPECIFICATIONS.
- ROOFTOP UNIT RETURN AND TRANSFER AIR DUCTWORK SHALL INCLUDE ACOUSTIC DUCT LINING. REFER TO SPECIFICATIONS FOR MORE INFORMATION.

SHEET NOTES

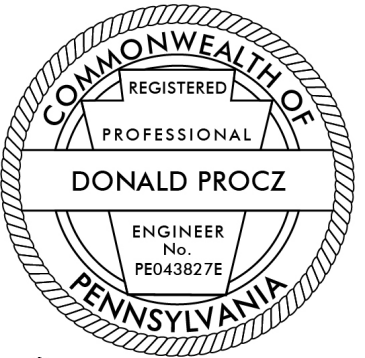
- ROOM PRESSURE SENSOR INSTALLED IN WALL, MIN 48" ABOVE FINISHED FLOOR. BASIS OF DESIGN - SETRALITE ROOM PRESSURE PORT. REFER TO DETAIL DRAWING M701 AND SPECIFICATION DRAWING M001
- DUCT SMOKE DETECTOR.
- ROOFTOP UNIT RETURN DUCTWORK AND TRANSFER AIR DUCTWORK SHALL INCLUDE ACOUSTIC DUCT LINING. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
- PROVIDE DOOR SWEEP, 1" LOOPED NEOPRENE INSERT WITH ANODIZED ALUMINUM 3/4" FLANGE BY NATIONAL GUARD PRODUCTS, INC OR EQUAL.
- BALANCE AIR TO MAINTAIN 0.05" W.G. DIFFERENTIAL.



2
M101 GROUND FLOOR PLAN - AREA A HVAC
Scale: 1/4" = 1'-0"

Project Status

**FOR CONSTRUCTION
SET**



Donald S. Procz

ISSUANCES

NO.	DATE	DESCRIPTION
1	08/12/2024	CONSTRUCTION DOCUMENTS
2	07/12/2024	CDs - ADDENDUM 01
3	07/26/2024	FOR CONSTRUCTION SET

Date	07/26/2024
Scale	As indicated
Drawn	WSP
Checked	WSP
Approved	WSP
Project	24021
	PMMG: 22.261

Sheet Name

**GROUND FLOOR
PLAN - AREA A HVAC**


Sheet

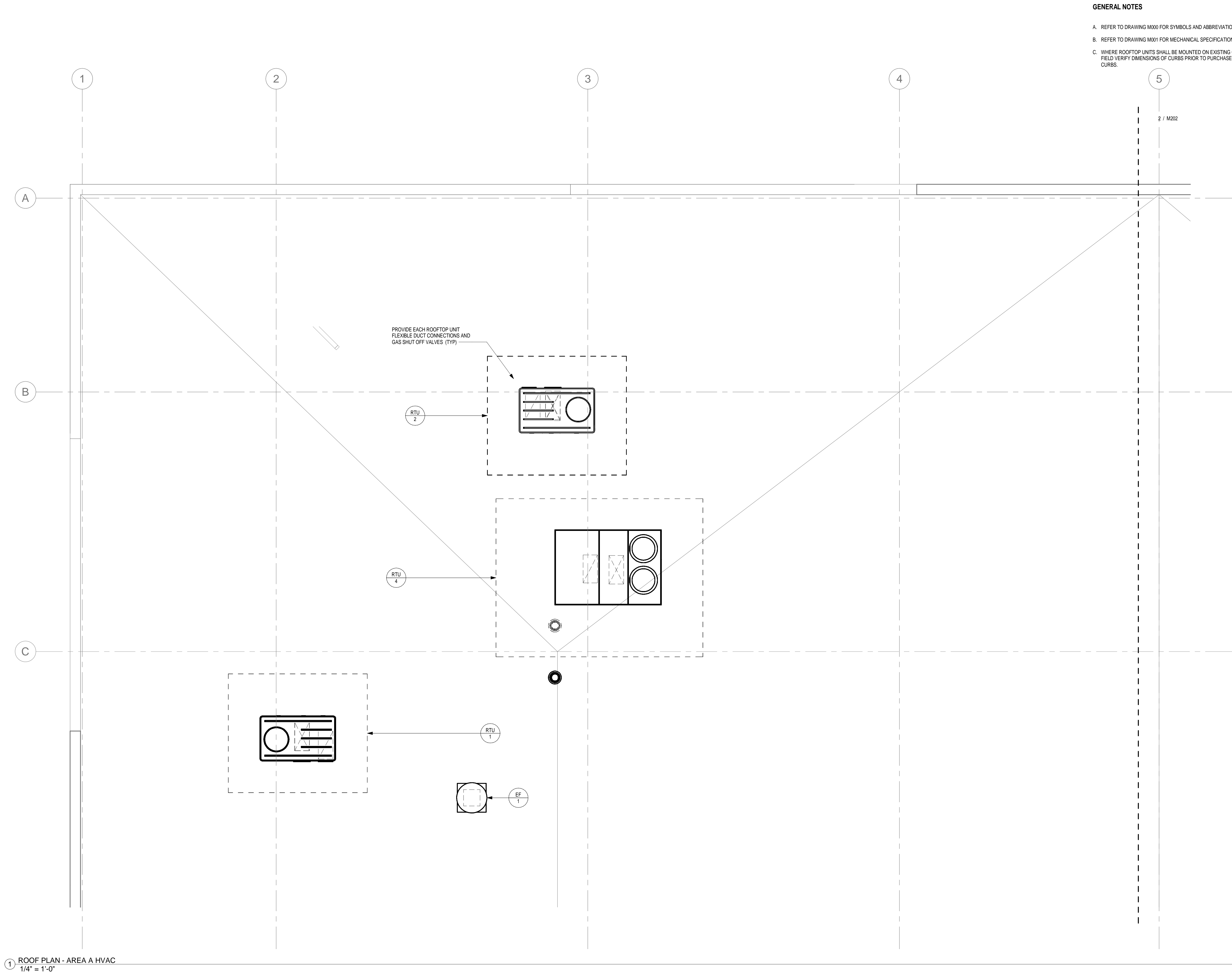
M101

1. ROOM PRESSURE SENSOR INSTALLED IN WALL, MIN 4" ABOVE FINISHED FLOOR, BASIS OF DESIGN - SET-RATELITE ROOM PRESSURE PORT. REFER TO DETAIL DRAWING MT01 AND SPECIFICATION DRAWING M001
2. DUCT SMOKE DETECTOR.
3. ROOFTOP UNIT RETURN DUCTWORK AND TRANSFER AIR DUCTWORK SHALL INCLUDE ACOUSTIC DUCT LINING. REFER TO SPECIFICATIONS FOR MORE INFORMATION.
4. PROVIDE DOOR SWEEP, 1" LOOPED NEOPRENE INSERT WITH ANODIZED ALUMINUM 3/4" FLANGE BY NATIONAL GUARD PRODUCTS, INC. OR EQUAL.
5. BALANCE AIR TO MAINTAIN 0.05" W.G. DIFFERENTIAL.

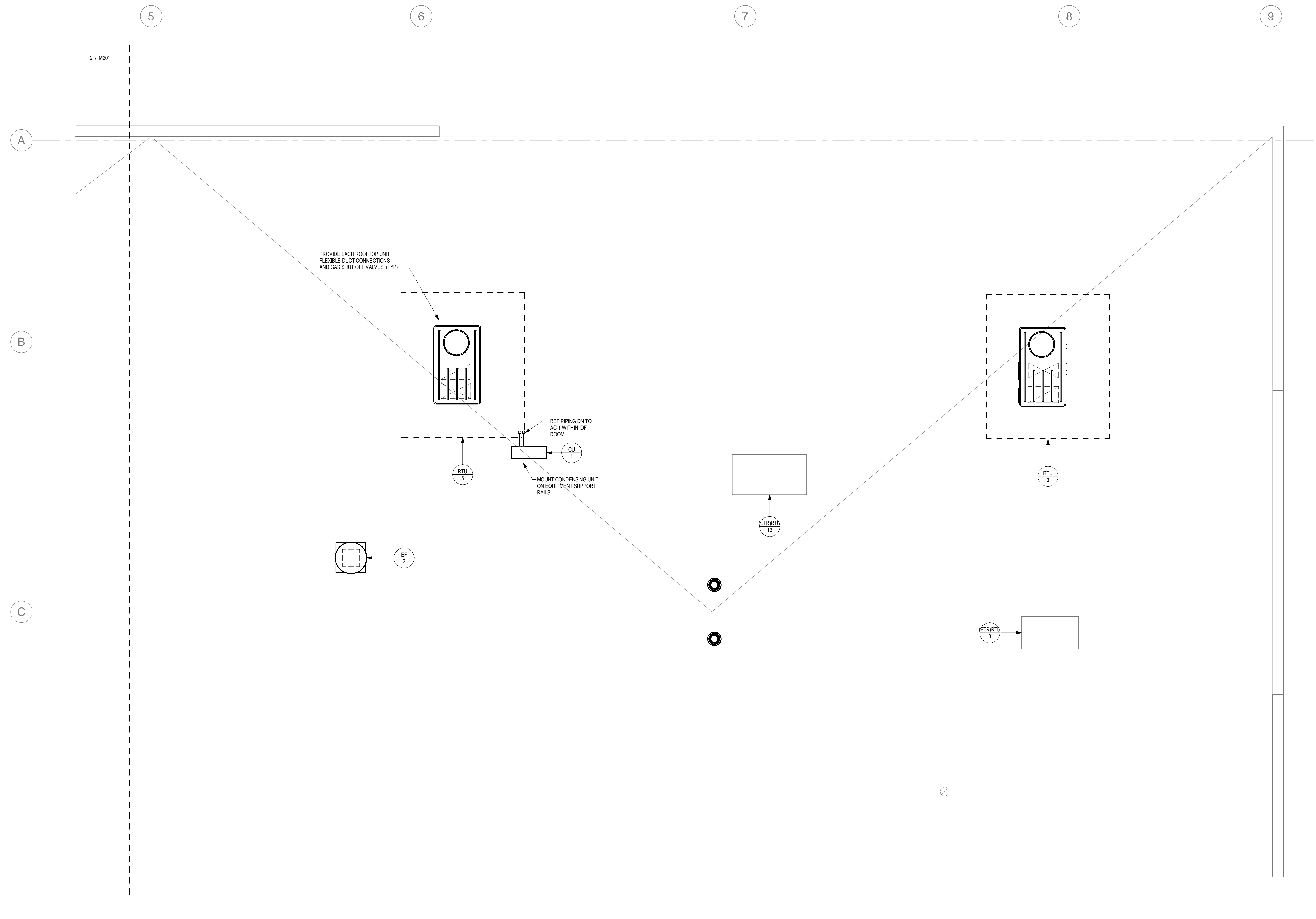




	Date	07/26/2024
	Scale	As indicated
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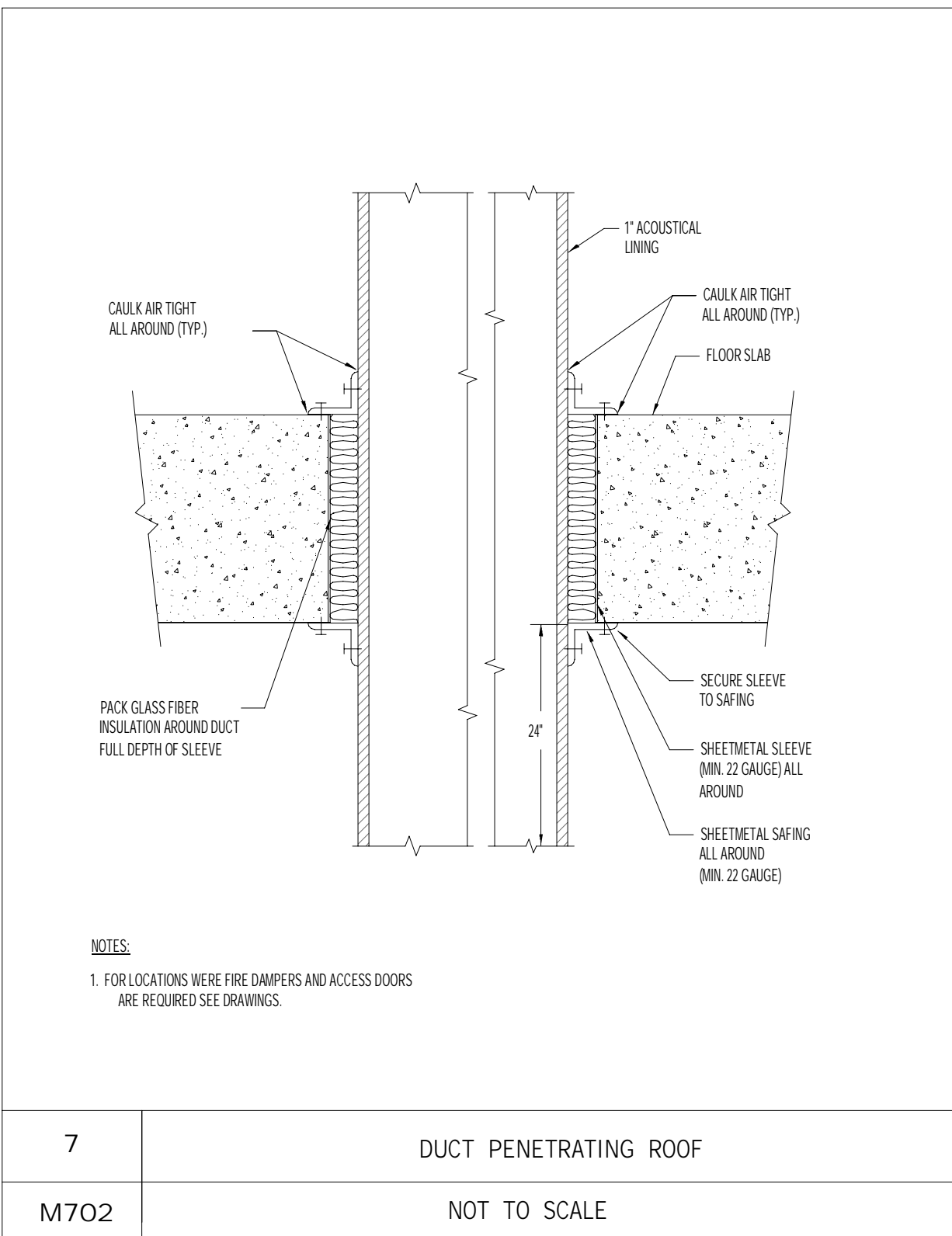


① ROOF PLAN - AREA A HVAC
1/4" = 1'-0"

[illegible]

1 ROOF PLAN - AREA B HVAC
1/4" = 1'-0"





NOTES:

1. SELECTION BASIS OF DESIGN MANUFACTURER: TRANE
2. ALL EQUIPMENT SHALL BE SECURELY MOUNTED AS DETAILED IN THE MANUFACTURER'S PUBLISHED INSTALLATION MANUAL.
3. STATIC PRESSURE INDICATED IS EXTERNAL STATIC PRESSURE EXCLUDING FILTER PRESSURE DROP.
4. AIRFLOW IS BASED ON STANDARD EXTERNAL PRESSURE.
5. UNIT SHALL BE CAPABLE OF SUPPLY AIR TEMPERATURE CONTROL. PROVIDE UNIT WITH SUPPLY AIR TEMPERATURE SENSOR.
6. PROVIDE UNIT DISCONNECT SWITCH.
7. PROVIDE UNIT WITH CONDENSATE DRAIN AND TAP PER DETAIL #7, SHEET M701.
8. FIELD VERIFY UNIT DIMENSIONS AND EXISTING CURB DIMENSIONS. PROVIDE UNIT WITH ROOF CURB ADAPTER AS REQUIRED FOR UNIT INSTALLATION.

NOTES:

1. MAXIMUM SOUND POWER SCHEDULED IS END DISCHARGE SOUND POWER LEVEL, IN dB, BASED ON MAXIMUM SCHEDULED AIRFLOW AT 1.0 IN W.G. INLET PRESSURE AT 500 HZ OCTAVE BAND.
2. HEATING COIL DUTY RATED AT MAXIMUM HEATING AIRFLOW.
3. MAXIMUM AIR FLOW SCHEDULED DROP IS AT MAXIMUM SCHEDULED COOLING AIRFLOW WITH REHEAT COIL.
4. UNITS SHALL BE CAPABLE OF SCR HEATING.
5. PROVIDE UNITS WITH HEATING COIL COVER ELEMENTS.

NOTES:


1. SELECTION BASIS OF DESIGN MANUFACTURER: TITUS
2. FINAL FINISHES SHALL BE SELECTED BY ARCHITECT.
3. BASIS OF DESIGN INCLUDES ROUND CONNECTIONS TO SUPPLY DIFFUSERS, SQUARE CONNECTIONS TO EXHAUST GRILLES, AND SQUARE OPENINGS FOR RETURN GRILLES.

NOTES:

1. SELECTION BASIS OF DESIGN MANUFACTURER: SAMSUNG
2. ALL EQUIPMENT SHALL BE SECURELY MOUNTED AS DETAILED IN THE MANUFACTURER'S PUBLISHED INSTALLATION MANUAL. BASIS OF DESIGN IS WALL-MOUNTED UNIT, 102" MIN ABOVE FINISHED FLOOR. VERIFY INSTALLATION IN FIELD.
3. MECHANICAL CONTRACTOR SHALL SIZE ALL REFRIGERANT LINES AND CONNECTIONS IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS BASED ON IN-FIELD CONDITIONS AND INSTALLED REFRIGERANT LENGTHS.
4. AIRFLOW IS BASED ON STANDARD EXTERNAL PRESSURE.

NOTES:

1. ALL EQUIPMENT SHALL BE SECURELY MOUNTED AS DETAILED IN THE MANUFACTURER'S PUBLISHED INSTALLATION MANUAL, AND WITHIN THESE CONTRACT DOCUMENTS. IF CONFLICT EXISTS, BRING TO THE ATTENTION OF THE ENGINEER PRIOR TO COMMENCING WORK.
2. MECHANICAL CONTRACTOR SHALL SIZE ALL REFRIGERANT LINES, CONNECTIONS, COMPONENTS, SPECIALTIES, FITTINGS, AND DEVICES IN ACCORDANCE WITH MANUFACTURER'S REQUIREMENTS BASED ON IN-FIELD CONDITIONS AND INSTALLED REFRIGERANT LENGTHS.
3. PROVIDE UNIT WITH DISCONNECT SWITCH.

	Date	07/26/2024
	Scale	NOT TO SCALE
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