

ABBREVIATIONS	
(E)	EXISTING ITEM
(ED)	EXISTING ITEM TO BE DEMOLISHED
(ER)	EXISTING ITEM TO BE RELOCATED
(F)	FUTURE
(N)	NEW
(RL)	RELOCATED ITEM
AAV	AUTOMATIC AIR VENT
AC	AIR CONDITIONING UNIT
ACC	AIR COOLED CONDENSER
ACCU	AIR COOLED CONDENSING UNIT
ACD	AUTOMATIC CONTROL DAMPER
ALCL	AIR COOLED LIQUID CHILLER
AD	ACCESS DOOR
AF	AIR FILTER
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
ARCH	ARCHITECT
AS	AIR SEPARATOR
ASC	APPLICABLE SECTION CONTRACTOR
ATC	AUTOMATIC TEMPERATURE CONTROL
B	BOILER
BDD	BACKDRAFT DAMPER
BE	BATHROOM EXHAUST
BMS	BUILDING MANAGEMENT SYSTEM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BOS	BOTTOM OF STEEL
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
BVC	BOILER VENT AND COMBUSTION AIR
CA	COMBUSTION AIR
CAP	CAPACITY
CC	COOLING COIL
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CM	CONSTRUCTION MANAGER
CO	CLEAN OUT
CONN	CONNECT
CP	CONDENSATE PUMP
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CV	CONNECTOR
CVB	CONSTANT VOLUME BOX
CD	CONDENSATE DRAIN
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROL
DE	DRYER EXHAUST
DF	DESTRATIFICATION FAN
DHW	DOMESTIC HOT WATER
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DWG	DRAWING
DX	DIRECT EXPANSION
EA	EXHAUST AIR
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
ECU	EVAPORATIVE CONDENSING UNIT
EDH	ELECTRIC DUCT HEATER
EF	EXHAUST FAN
EG	EXHAUST GRILLE
EMS	EMERGENCY MANAGEMENT SYSTEM
ERV	EXHAUST REGISTER
ERV	EXHAUST ROOF VENT
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
F	FAN
F&T	FLOAT & THERMOSTATIC TRAP
FA	FREE AREA
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FLR	FLOOR
FM	FLOW METER
FMS	FLOW MEASUREMENT STATION
FO	FUEL OIL
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FP	FAN POWERED
FPB	FAN POWERED BOX
FPI	FINS PER INCH
PFM	FEET PER MINUTE
FSD	FIRE SMOKE DAMPER
FT	FEET
FTR	FIN-TUBE RADIATION
FTU	FAN TERMINAL UNIT

ABBREVIATIONS	
GAL	GALLONS
GC	GENERAL CONTRACTOR
GE	GENERAL EXHAUST
GPM	GALLONS PER MINUTE
H	HUMIDIFIER
HC	HEATING COIL
HE	HOOD EXHAUST
HF	HEPA FILTER
HP	HORSE POWER
HP	HEAT PUMP
HRB	HEAT RECOVERY BOX
HRG	HEAT RECOVERY COIL
HV	HEATING AND VENTILATING UNIT
HVAC	HEATING VENTILATION AND AIR CONDITIONING
HX	HEAT EXCHANGER
HZ	HERTZ
ID	INSIDE DIAMETER
IN	INCHES
IRV	INTAKE ROOF VENT
KE	KITCHEN EXHAUST
KLDWATS	KILOWATTS
LAT	LEAVING AIR TEMPERATURE
LBG	LINEAR BAR GRILLE
LD	LINEAR DIFFUSER, LOUVERED DOOR
LS	LOOSE STARTER
LWT	LEAVING WATER TEMPERATURE
MAT	MIXED AIR TEMPERATURE
MBH	THOUSAND BTUS PER HOUR
MC	MECHANICAL CONTRACTOR
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MER	MECHANICAL EQUIPMENT ROOM
MOD	MOTOR OPERATED DAMPER
MJA	MAKE-UP AIR
MJAU	MAKE-UP AIR UNIT
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OAT	OUTSIDE AIR TEMPERATURE
OSD	OPPOSED BLADE DAMPER
OC	ON CENTER
OD	OUTSIDE DIAMETER
P	PUMP
PC	PLUMBING CONTRACTOR
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PS	PACKAGE STARTER
PSI	POUNDS PER SQUARE INCH
PSIG	POUNDS PER SQUARE INCH GAUGE
RA	RETURN AIR
RD	RETURN DIFFUSER
RF	RETURN FAN
RG	RETURN GRILLE
RIC	RETURN IN COVER
RPM	REVOLUTIONS PER MINUTE
RTU	ROOF TOP UNIT
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SCT	SATURATED CONDENSING TEMPERATURE
SD	SMOKE DAMPER
SDA	SOUND ATTENUATOR
SDC	STAND ALONE DIGITAL CONTROLLER
SF	SQUARE FEET
SF	SUPPLY AIR FAN
SG	SUPPLY GRILLE
SP	STATIC PRESSURE
SPD	SPEED
SR	SUPPLY REGISTER
SST	STATIC SUCTION TEMPERATURE
TA	TRANSFER AIR
TD	TRANSFER DUCT
TE	TOILET EXHAUST
TF	TRANSFER FAN
TG	TRANSFER GRILLE
TOS	TOP OF STEEL
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UC	UNDERCUT DOOR
UF	UNDERFLOOR
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
UV	UNIT VENTILATOR
VAV	VARIABLE AIR VOLUME
VD	VOLUME DAMPER
VFD	VARIABLE FREQUENCY DRIVE
VI	VIBRATION ISOLATOR
VPF	VARIABLE REFRIGERANT FLOW
VSD	VARIABLE SPEED DRIVE
WB	WET BULB TEMPERATURE
WMS	WIRE MESH SCREEN
WSP	WATER SOURCE HEAT PUMP

MECHANICAL VALVES AND ACCESSORIES	
	ISOLATION VALVE SEE SPECIFICATIONS FOR TYPE
	2-WAY CONTROL VALVE (DDC OR PNEUMATIC)
	2-WAY CONTROL VALVE (MOTORIZED)
	3-WAY CONTROL VALVE (DDC OR PNEUMATIC)
	3-WAY CONTROL VALVE (MOTORIZED)
	THERMOSTATIC CONTROL VALVE
	SOLENOID VALVE
	DIFFERENTIAL PRESSURE VALVE
	GATE VALVE
	GLOBE VALVE
	OSY VALVE
	PRESSURE REDUCING VALVE
	SAFETY RELIEF VALVE
	ANGLE VALVE
	BALL VALVE
	BALL VALVE WITH MEMORY STOP
	BUTTERFLY VALVE
	CHECK VALVE (LEFT & RIGHT)
	PRESSURE GAUGE WITH COOK
	PRESSURE GAUGE WITH SIPHON AND COOK
	PRESSURE TEMPERATURE GAUGE PORT
	FLOAT & THERMOSTATIC TRAP
	THERMOSTATIC TRAP
	STEAM TRAP SEE SPECIFICATION FOR TYPE
	SITE GLASS
	THERMOMETER
	THERMOMETER WITH WELL
	CONCENTRIC PIPE REDUCER
	ECCENTRIC PIPE REDUCER
	AUTOMATIC AIR VENT (W/ ISOLATION VALVE)
	MANUAL AIR VENT (W/ ISOLATION VALVE AND HOSE END CONNECTION)
	THERMOSTATIC AIR VENT
	VACUUM BREAKER
	PIPE CAP
	CONCENTRIC PIPE REDUCER
	PIPE RISING / OR RISING AND DROPPING
	PIPE CONNECTION TOP OF MAIN
	PIPE TURNING DOWN
	TEE CONNECTION
	UNION
	PIPE CONNECTION BOTTOM OF MAIN
	PIPE ANCHOR
	FLANGED CONNECTION
	PIPE GUIDE
	PIPE UP TO RADIATION
	STRAINER
	STRAINER AND DRAIN VALVE W/ HOSE END CONN AND CAP.
	FLEXIBLE CONNECTOR
	DIRECTION OF FLOW
	FLOW MEASURING DEVICE
	EXPANSION COMPENSATOR

MECHANICAL PIPING LEGEND	
	(BD) BLOW DOWN
	(BF) BOILER FEED
	(CA) COMPRESSED AIR
	(CD) CONDENSATE DRAIN
	(CF) CHEMICAL FEED
	(CHWR) CHILLED WATER RETURN
	(CHWS) CHILLED WATER SUPPLY
	(CLD) CONDUIT TANK LEAK
	(COND) CONDENSATE
	(CTR) COOLING TOWER RETURN
	(CTS) COOLING TOWER SUPPLY
	(CW) COLD WATER CITY WATER MAKE UP
	(CWR) CONDENSER WATER RETURN
	(CWS) CONDENSER WATER SUPPLY
	(D) DRAIN
	(DTR) DUAL TEMP RETURN
	(DTS) DUAL TEMP SUPPLY
	PIPING TO BE REMOVED
	EXISTING PIPING
	EXISTING PIPING
	(FOG) FUEL OIL GAUGE
	(FOR) FUEL OIL RETURN
	(FOS) FUEL OIL SUPPLY
	(FOV) FUEL OIL VENT
	(GR) GLYCOL WATER RETURN
	(GS) GLYCOL WATER SUPPLY
	(HG) REFRIG HOT GAS
	(HPR) HIGH PRESS STEAM COND RETURN
	(HPS) HIGH PRESS STEAM SUPPLY
	(HPWR) HEAT PUMP WATER RETURN
	(HPWS) HEAT PUMP WATER SUPPLY
	(HWR) HOT WATER RETURN
	(HWS) HOT WATER SUPPLY
	(LPR) LOW PRESS COND RETURN
	(LPS) LOW PRESS STEAM SUPPLY
	(MPR) MED PRESS COND RETURN
	(MPS) MED PRESS STEAM SUPPLY
	(PC) PUMPED CONDENSATE
	(PSC) PUMPED STEAM CONDENSATE
	(PHWR) PRIMARY HOT WATER RETURN
	(PHWS) PRIMARY HOT WATER SUPPLY
	(RG) REFRIG GAS
	(RL) REFRIG LIQUID
	(RS) REFRIG SUCTION
	(SCHWR) SECONDARY CHILLED WATER RETURN
	(SCHWS) SECONDARY CHILLED WATER SUPPLY
	(SHWR) SECONDARY HOT WATER RETURN
	(SHWS) SECONDARY HOT WATER SUPPLY
	(TSTAT) THERMOSTAT
	(V) VENT

DUCTWORK SYMBOLS	
	RECTANGULAR DUCTWORK - FIRST DIMENSION IS SIZE SHOWN (IN)
	ROUND DUCTWORK DIAMETER (IN)
	FLAT OVAL DUCT
	CAPPED DUCT
	EXISTING DUCTWORK
	EXISTING DUCTWORK TO BE REMOVED
	SUPPLY/OUTSIDE AIR DUCTWORK UP
	SUPPLY/OUTSIDE AIR DUCTWORK DOWN
	RETURN AIR DUCTWORK UP
	RETURN AIR DUCTWORK DOWN
	EXHAUST AIR DUCTWORK UP
	EXHAUST AIR DUCTWORK DOWN
	IN-DUCT SOUND ATTENUATOR
	FLEXIBLE DUCT
	RECTANGULAR TO RECTANGULAR TRANSITION
	RECTANGULAR TO ROUND TRANSITION
	MITERED ELBOW WITH TURNING VANES
	MITERED ELBOW
	RADIUSD ELBOW
	SPIN COLLAR
	90° SPLIT TEE WITH TURNING VANES
	BELL MOUTH BRANCH DUCT TAKE OFF
	BELL MOUTH BRANCH DUCT TAKE OFF WITH DAMPER
	BRANCH DUCT TAKE OFF
	BACK DRAFT DAMPER
	COMBINATION FIRE SMOKE DAMPER WITH SMOKE DETECTOR
	FIRE DAMPER
	MOTORIZED DAMPER
	SMOKE DAMPER WITH SMOKE DETECTOR
	VOLUME DAMPER
	VOLUME DAMPER
	DUCT MOUNTED SMOKE DETECTOR
	SIDE WALL MOUNTED SUPPLY REGISTER
	SIDE WALL MOUNTED RETURN / EXHAUST REGISTER / GRILLE
	SUPPLY / INTAKE OR DOOR UNDERCUT PRESSURIZATION
	EXHAUST / RETURN / TRANSFER
	LOUVERED DOOR PRESSURIZATION
	EXHAUST REGISTER / GRILLE
	SUPPLY AIR DIFFUSER BELOW DUCT
	RETURN AIR DIFFUSER BELOW DUCT
	EXHAUST AIR DIFFUSER BELOW DUCT
	LINEAR DIFFUSER
	ACCESS DOOR IN CEILING
	DUCT MOUNTED ACCESS DOOR - ACCESS PANEL

INSTRUMENTATION SYMBOLS	
	CARBON DIOXIDE SENSOR
	CARBON DIOXIDE SENSOR DUCT MOUNTED
	CARBON MONOXIDE SENSOR
	CARBON MONOXIDE SENSOR DUCT MOUNTED
	COMBINATION TEMPERATURE AND CARBON DIOXIDE SENSOR
	CURRENT SENSOR
	FLOW SENSOR
	FREEZE STAT
	LEAK DETECTOR
	HUMIDITY SENSOR
	HUMIDITY SENSOR DUCT MOUNTED
	HYDROGEN SENSOR
	REFRIGERANT LEAK SENSOR
	REFRIGERANT LEAK SENSOR DUCT MOUNTED
	SMOKE DETECTOR
	SMOKE DETECTOR DUCT MOUNTED
	DIFFERENTIAL STATIC PRESSURE SENSOR
	STATIC PRESSURE SENSOR
	TEMPERATURE SENSOR
	TEMPERATURE SENSOR DUCT MOUNTED
	COMBINATION TEMPERATURE RELATIVE HUMIDITY SENSOR
	COMBINATION TEMPERATURE RELATIVE HUMIDITY SENSOR DUCT MOUNTED
	EMERGENCY POWER REQUIRED
	SWITCH
	PACKAGE STARTER BY MECHANICAL
	LOOSE STARTER BY ELECTRICAL
	VARIABLE FREQUENCY DRIVE
	FLOW MEASURING STATION

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF THE MARTIN ARCHITECTURAL GROUP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.

THE MARTIN ARCHITECTURAL GROUP, P.C.
ARCHITECTS AND LAND PLANNERS
A PROFESSIONAL CORPORATION
240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
P (215) 665-1060 F (215) 561-5064

P.A.1: JTG
P.M.: TRT
DRAWN BY: MJP
PROJECT NO: 1022747

NO.	REVISION	DATE
1	PERMIT SET	12/08/2022

Project Status

MECHANICAL SYMBOLS AND ABBREVIATIONS
Granite Run Apartments
MIDDLETOWN TOWNSHIP, PA

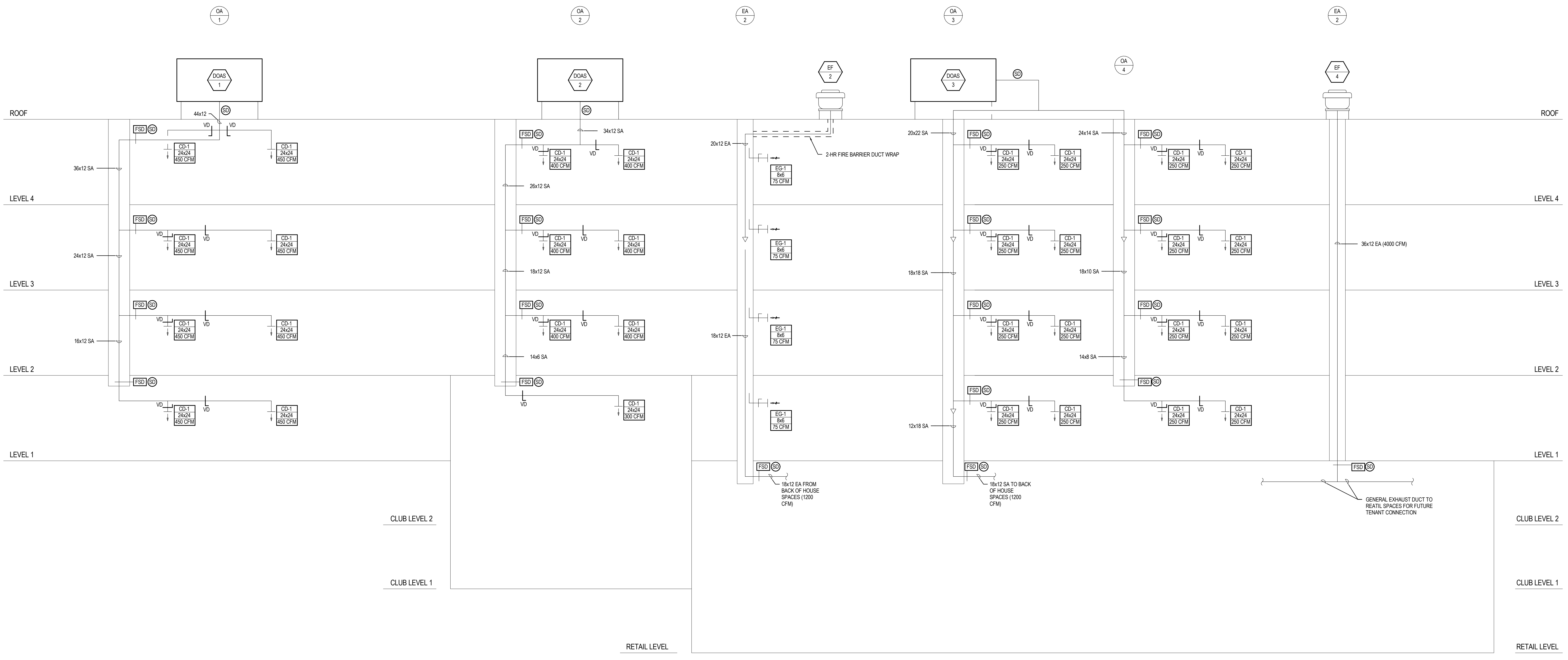
SCALE: AS INDICATED
DATE: 12/19/22

M0.01
The Martin Architectural Group, P.C.

DRAWING LIST - MECHANICAL		NO.	REVISION	DATE
M0.01	MECHANICAL SYMBOLS AND ABBREVIATIONS	•	•	
M0.02	MECHANICAL GENERAL NOTES	•	•	
M0.11	RISER DIAGRAMS	•	•	
M2.03B	MECHANICAL - CLUB LEVELS	•	•	
M0.31	MECHANICAL DETAILS	•	•	
M0.32	MECHANICAL DETAILS	•	•	
M2.01A	MECHANICAL - RETAIL LEVEL PLAN A	•	•	
M2.02B	MECHANICAL - CLUB LEVEL 1 PLAN B	•	•	
M2.03B	MECHANICAL - CLUB LEVEL 2 PLAN B	•	•	
M2.04A	MECHANICAL - FIRST FLOOR PLAN A	•	•	
M2.04B	MECHANICAL - FIRST FLOOR PLAN B	•	•	
M2.04C	MECHANICAL - FIRST FLOOR PLAN C	•	•	
M2.04D	MECHANICAL - FIRST FLOOR PLAN D	•	•	
M2.05A	MECHANICAL - SECOND FLOOR PLAN A	•	•	
M2.05B	MECHANICAL - SECOND FLOOR PLAN B	•	•	
M2.05C	MECHANICAL - SECOND FLOOR PLAN C	•	•	
M2.05D	MECHANICAL - SECOND FLOOR PLAN D	•	•	
M2.06A	MECHANICAL - THIRD FLOOR PLAN A	•	•	
M2.06B	MECHANICAL - THIRD FLOOR PLAN B	•	•	
M2.06C	MECHANICAL - THIRD FLOOR PLAN C	•	•	
M2.06D	MECHANICAL - THIRD FLOOR PLAN D	•	•	
M2.07A	MECHANICAL - FOURTH FLOOR PLAN A	•	•	
M2.07B	MECHANICAL - FOURTH FLOOR PLAN B	•	•	
M2.07C	MECHANICAL - FOURTH FLOOR PLAN C	•	•	
M2.07D	MECHANICAL - FOURTH FLOOR PLAN D	•	•	
M2.08A	MECHANICAL - ROOF PLAN A	•	•	
M2.08B	MECHANICAL - ROOF PLAN B	•	•	
M2.08C	MECHANICAL - ROOF PLAN C	•	•	
M2.08D	MECHANICAL - ROOF PLAN D	•	•	
M6.01	MECHANICAL - UNIT PLANS	•	•	
M6.02	MECHANICAL - UNIT PLANS	•	•	
M6.03	MECHANICAL - UNIT PLANS	•	•	
M6.04	MECHANICAL - UNIT PLANS	•	•	
M6.05	MECHANICAL - UNIT PLANS	•	•	
M6.06	MECHANICAL - UNIT PLANS	•	•	

EXHAUST GENERAL NOTES:

- 2-HOUR FIRE WRAP IS REQUIRED ON ALL HORIZONTAL OFFSET DUCTWORK LOCATED OUTSIDE 2-HOUR FIRE RATED SHAFT.
- PROVIDE DOUBLE-WALL CONSTRUCTION WITH 1" INTERNAL ACOUSTIC LINING FOR DUCTWORK WITHIN 15'-0" OF FAN.
- PROVIDE SUBPACT FOR EXHAUST CONNECTIONS TO RISER WITH MINIMUM 22" VERTICAL DUCT. COORDINATE INLET REQUIREMENTS WITH PLANS.



1 AIRFLOW RISER DIAGRAM
 MO11 12" = 1'-0"

THE MARTIN ARCHITECTURAL GROUP, P.C.
 ARCHITECTS AND LAND PLANNERS
 A PROFESSIONAL CORPORATION
 240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
 P (215) 665-1060 F (215) 561-5064

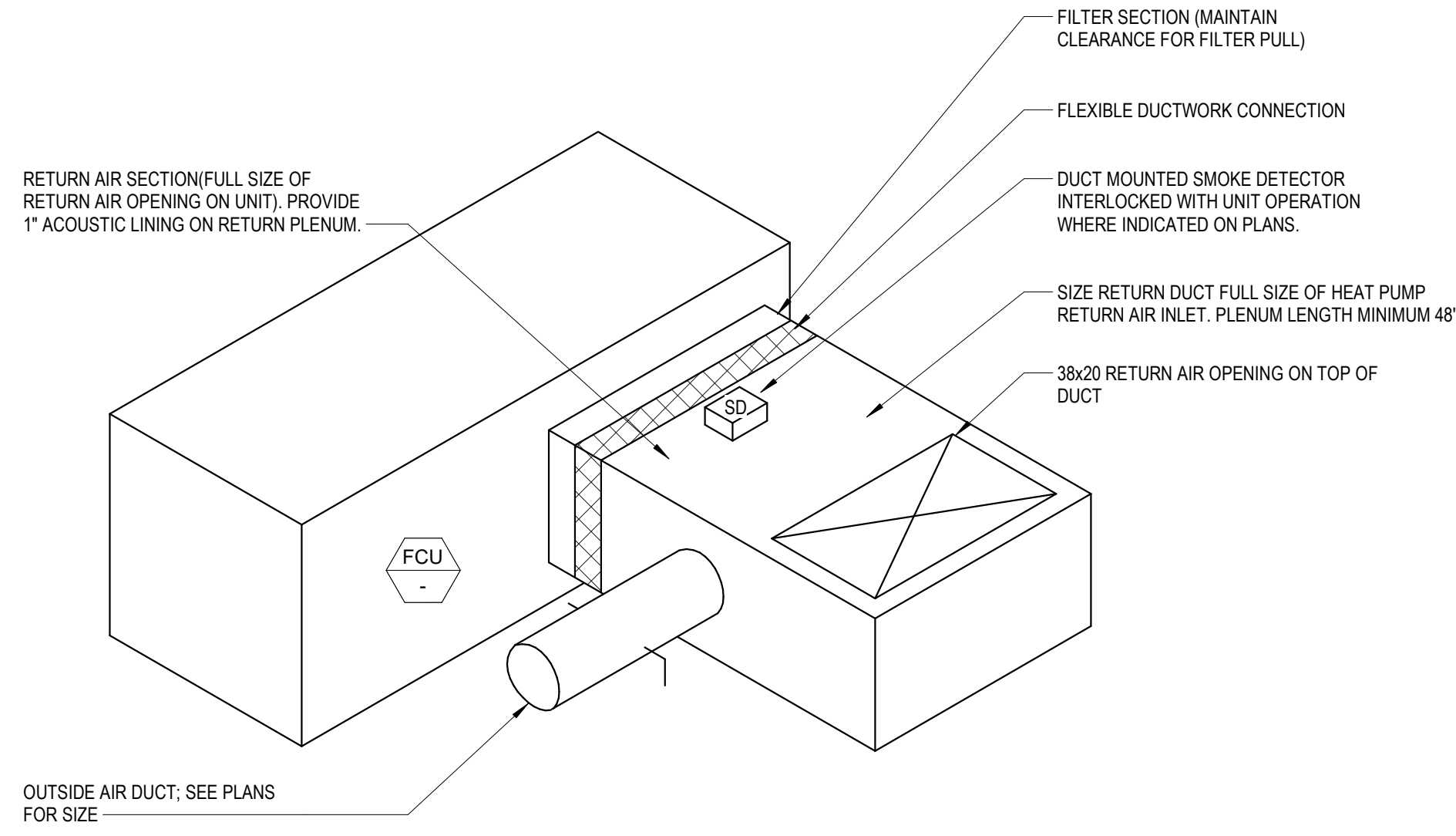
P.A.: JTG
 P.M.: TRT
 DRAWN BY: MJP
 PROJECT NO: 1022747

NO.	REVISION	DATE
1	PERMIT SET	12/19/22

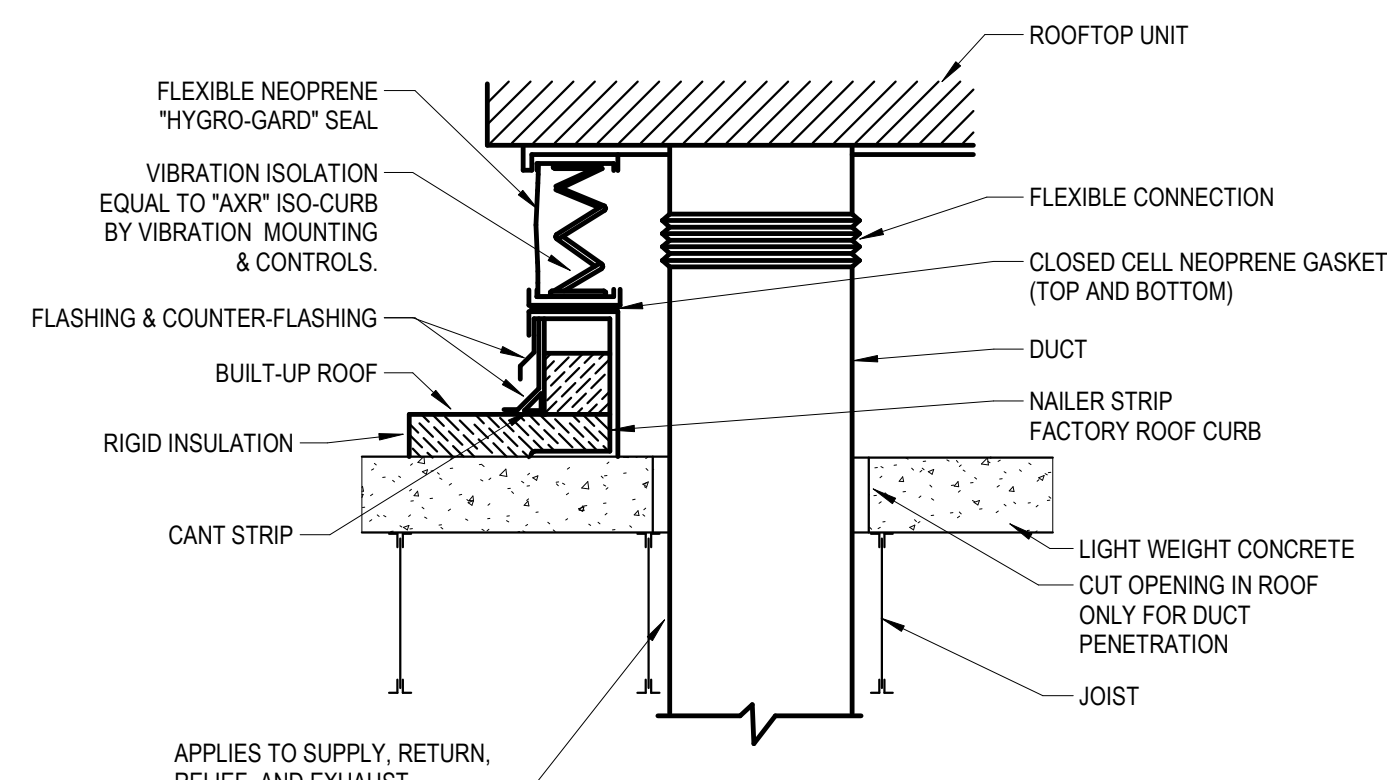
Project Status

RISER DIAGRAMS
Granite Run Apartments
 MIDDLETOWN TOWNSHIP, PA

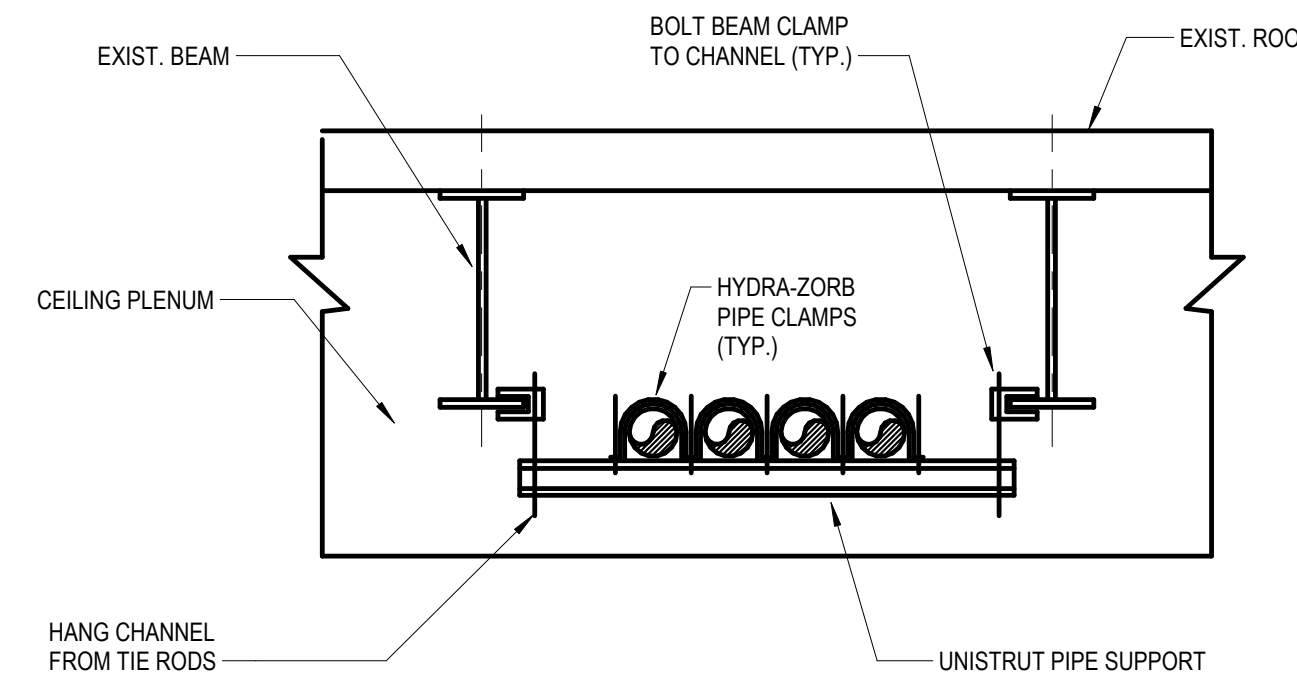
SCALE: AS INDICATED
 DATE: 12/19/22



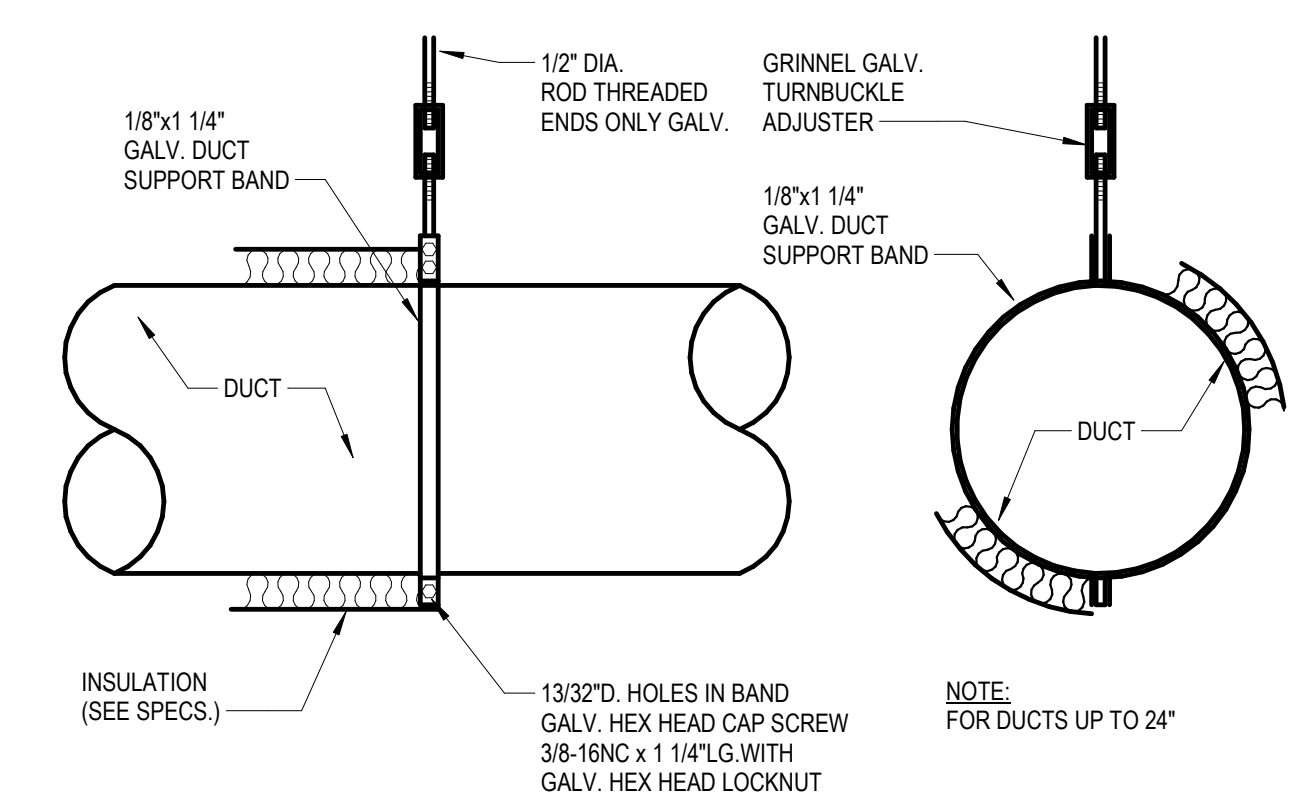
1 VRF WITH RETURN PLENUM
M0.32 NTS



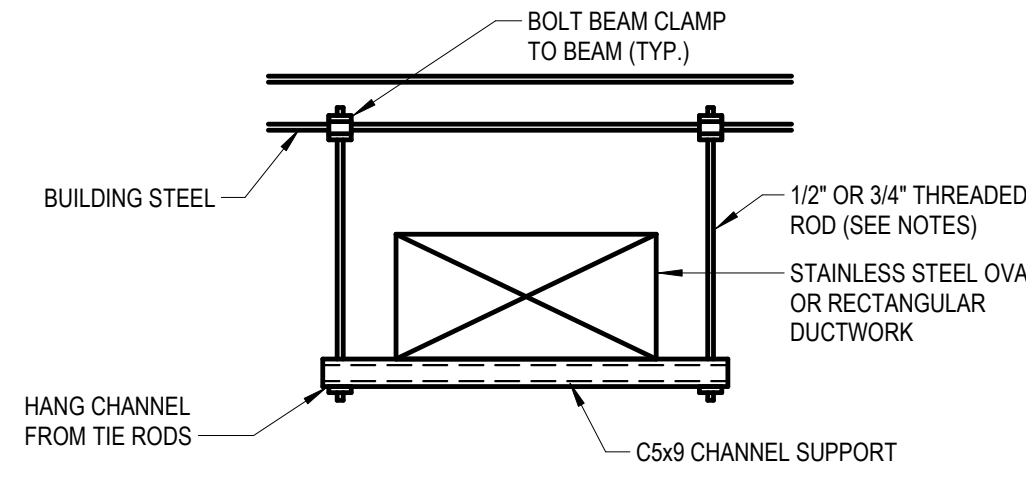
2 ROOF CURB AND VIBRATION ISOLATION (I)
M0.32 NOT TO SCALE



3 CEILING PLENUM PIPING SUPPORTS
M0.32 NOT TO SCALE

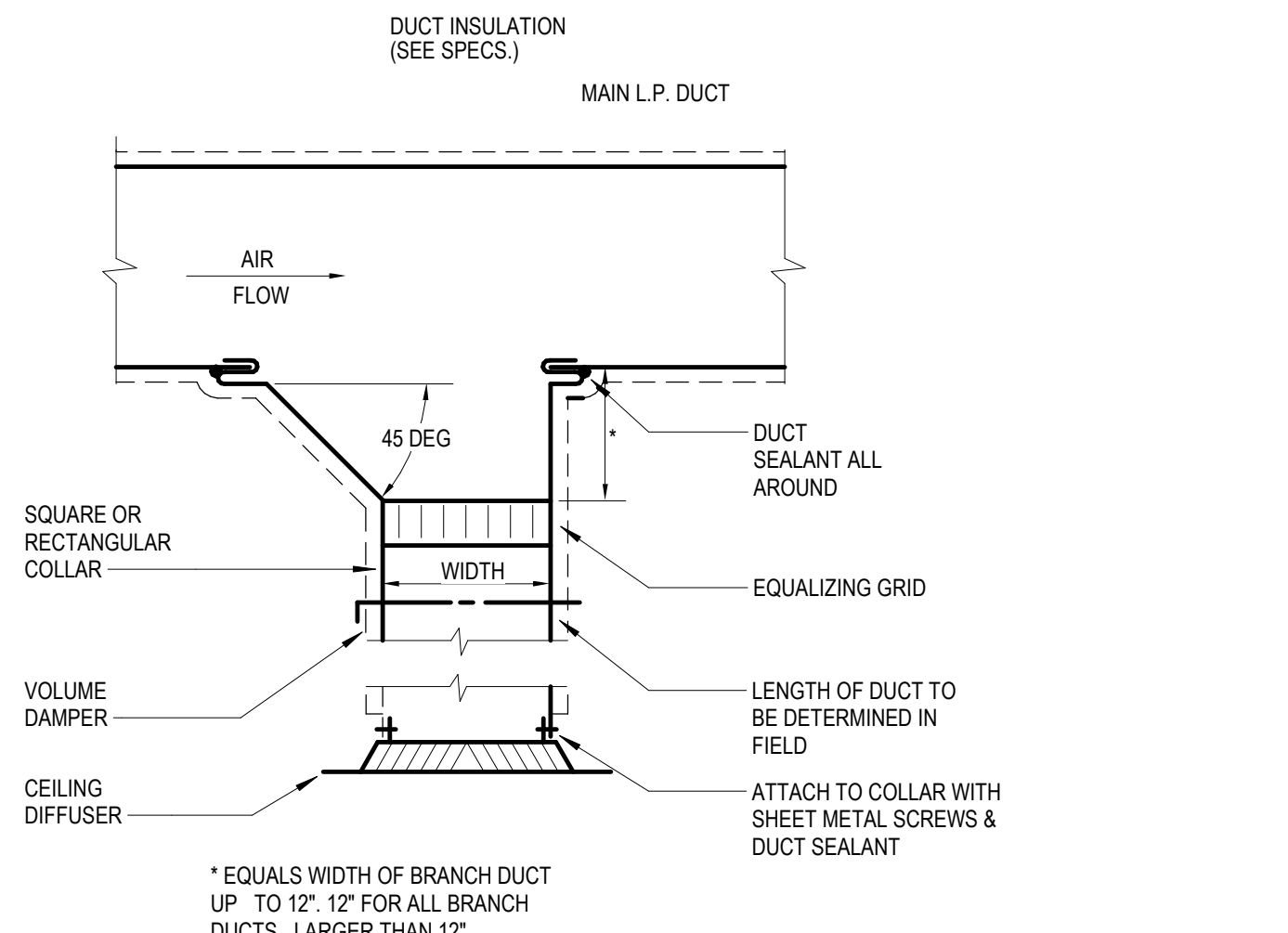


4 ROUND DUCT HANGER (UNDER 24")
M0.32 NOT TO SCALE

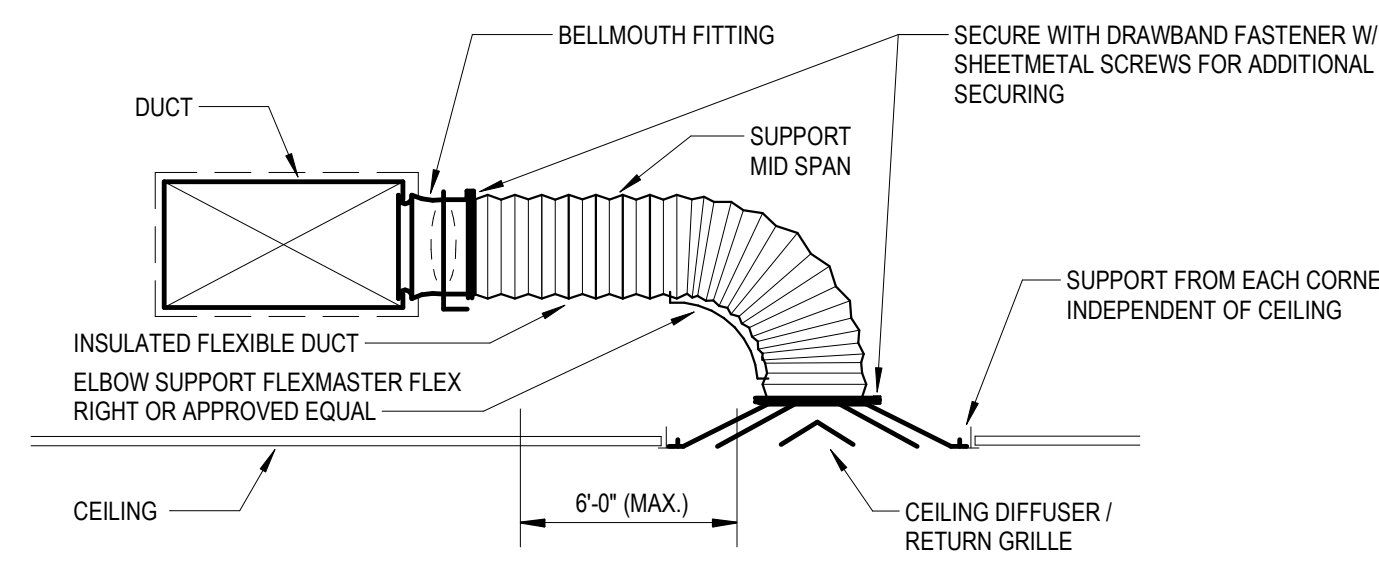


- NOTES:
1. USE 3/4" THREADED RODS FOR 1000 LBS. OR GREATER OF A LOAD ON HORIZONTAL SUPPORT.
2. USE 1/2" THREADED RODS FOR LESS THAN 1000 LBS. OF A LOAD ON HORIZONTAL SUPPORT.
3. PROVIDE ADDITIONAL VIBRATION ISOLATORS WHERE REQUIRED BY SPECIFICATIONS.

5 DUCTWORK SUPPORT
M0.32 NOT TO SCALE

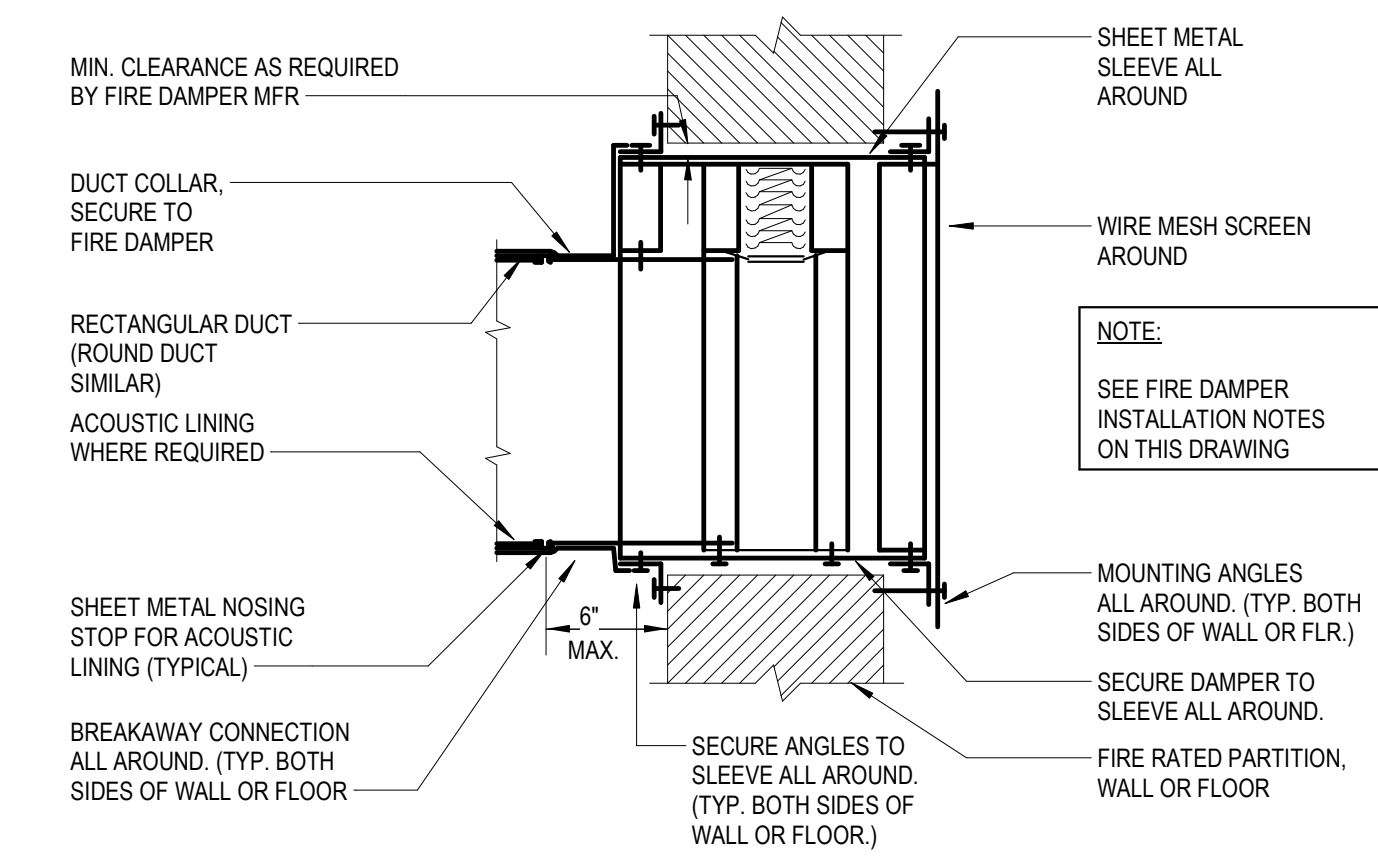


6 L.P. BOTTOM RECTANGULAR BRANCH TAKE-OFF
M0.32 NOT TO SCALE

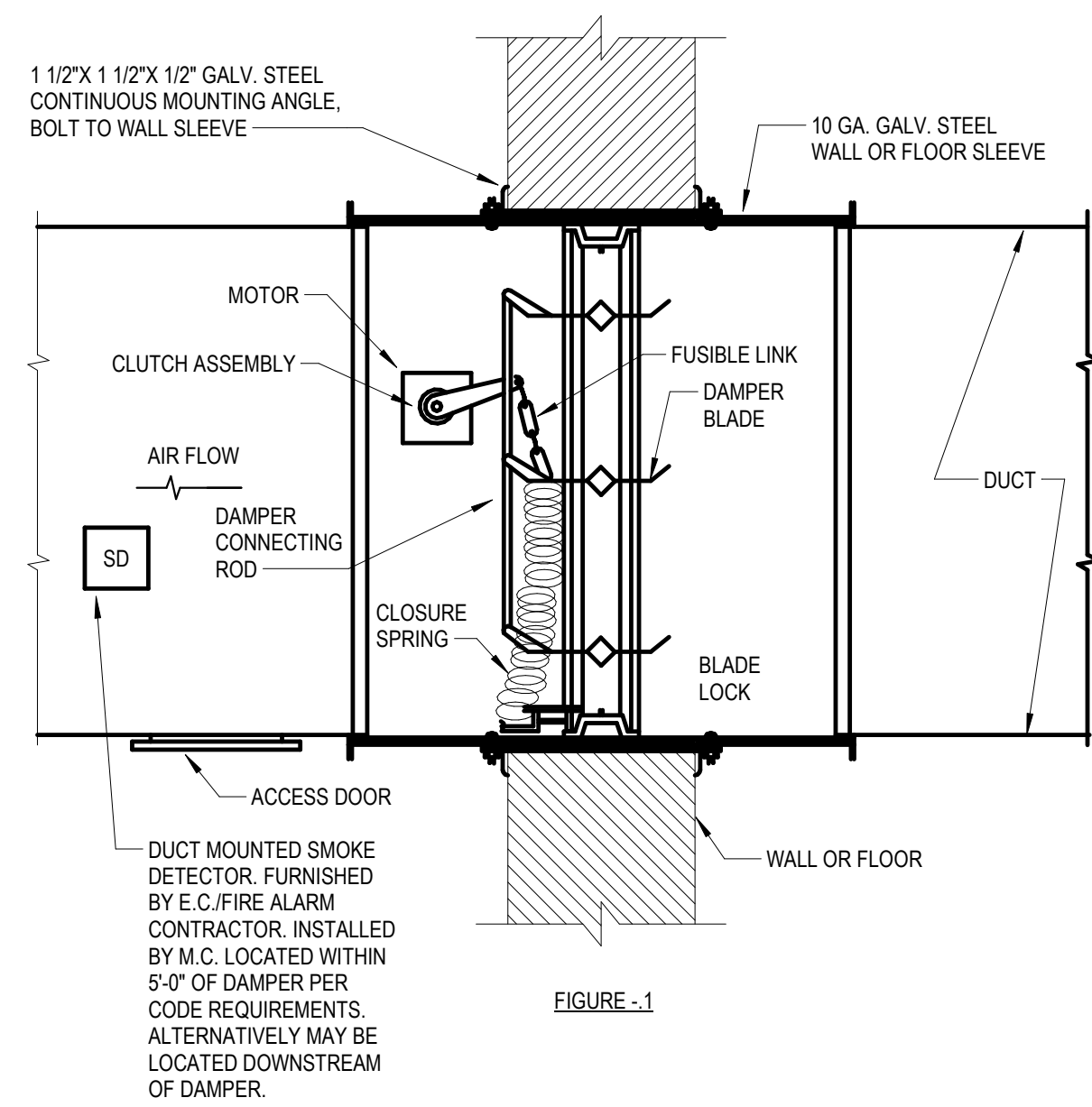


- NOTES:
1. MAXIMUM LENGTH OF FLEXIBLE DUCT SHALL NOT EXCEED 6'-0".
2. FLEXIBLE DUCTWORK SHALL BE SUPPORTED IN ACCORDANCE WITH SMACNA STANDARDS.

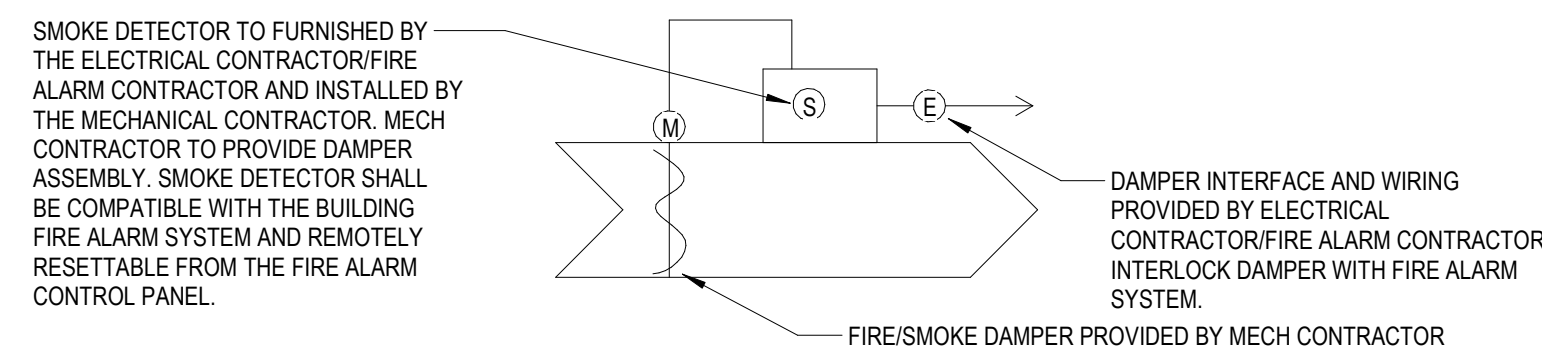
7 FLEX BRANCH DUCT
M0.32 NOT TO SCALE



8 VERTICAL MOUNTED FIRE DAMPER - GRILLE OR REGISTER
M0.32 NOT TO SCALE



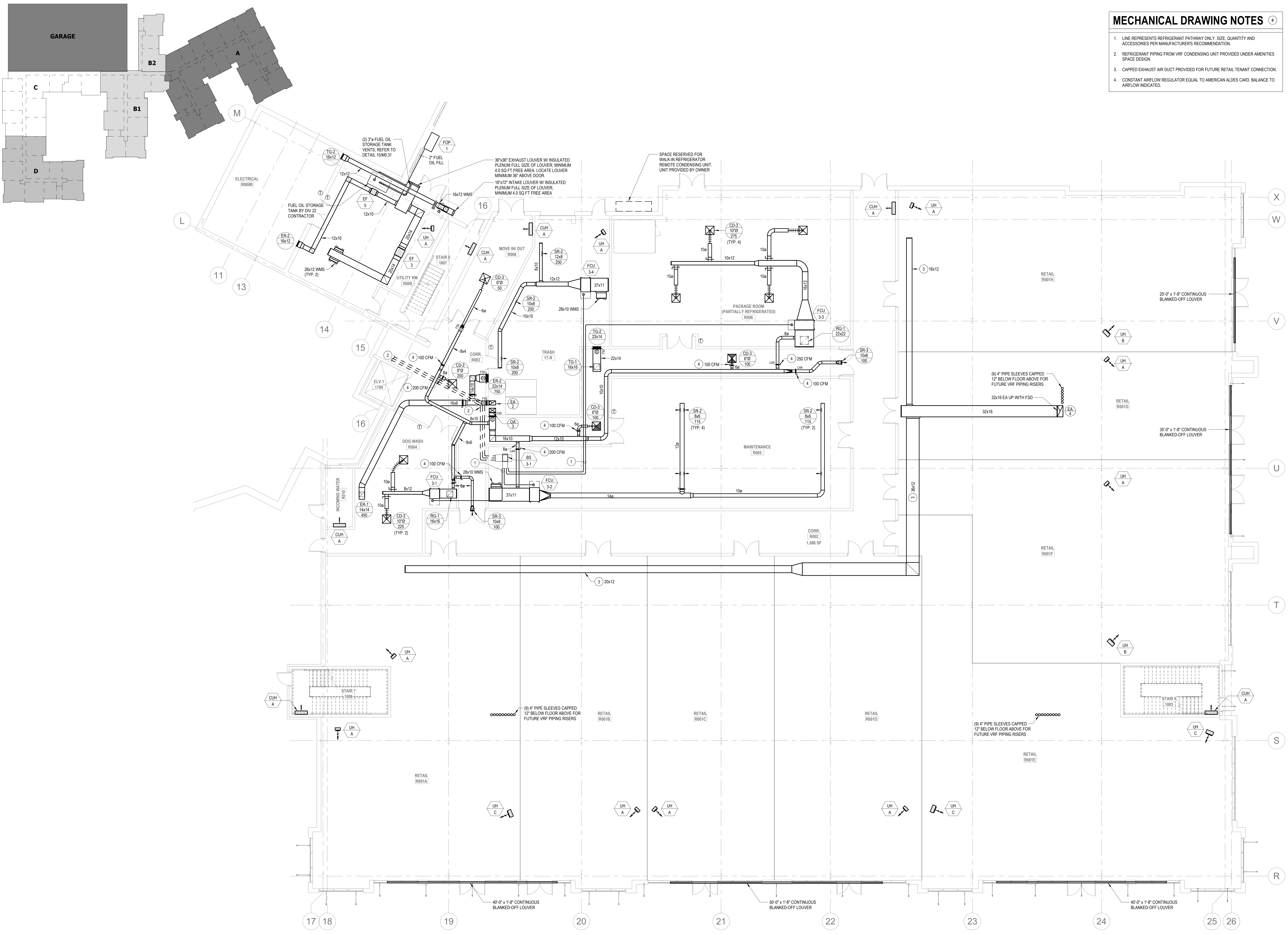
9 COMBINATION FIRE & SMOKE DAMPER (FDSD) DETAIL
M0.32 12" = 1'-0"



- NOTES:
1. GENERAL ARRANGEMENT SHOWN. INSTALL ALL FIRE DAMPERS IN STRICT ACCORDANCE WITH ALL INSTALLATION PROCEDURES REQUIRED BY THE UNDERWRITERS LABORATORY INC. AS FURNISHED BY DAMPER MFR.
2. WHERE FIRE DAMPER IS TO BE MOUNTED WITHIN EXISTING WALL OR FLOOR CUT OPENING AS REQUIRED TO MAINTAIN CLEARANCES STIPULATED BY THE MFR. BETWEEN WALL OR FLOOR AND SLEEVE.
3. WHERE DAMPER DOES NOT FIT IN WALL/FLOOR ASSEMBLY, DAMPERS RATED FOR OUTSIDE THE WALL/FLOOR TYPE USE MAY BE PROVIDED.
4. ACCESS DOORS SHALL BE AS LARGE AS POSSIBLE UP TO 18x12 MAX. LOCATE ON MOST ACCESSIBLE SIDE OF DAMPER AND LABEL ACCESS DOORS "ACCESS FOR FIRE/SMOKE DAMPER".
5. GAUGE OF SHEET METAL SLEEVE, MOUNTING ANGLES, METHODS OF ATTACHMENT, ETCC. AS DIRECTED BY FIRE DAMPER MFR.
6. EXTERNAL INSULATION IS REQUIRED FROM BREAKAWAY CONNECTION TO WALL WHEN DUCTWORK IS ACOUSTICALLY LINED.
7. FIRE/SMOKE DAMPER SHALL HAVE A FIRE RATING EQUAL OR GREATER THAN RATING OF WALL/FLOOR BEING INSTALLED IN AND SHALL BE UL LISTED AND CONFORM TO UL 555 AND UL 555S.
8. MECHANICAL CONTRACTOR TO PROVIDE GAS INTERFACE WITH DAMPER MOTOR TO INDICATE DAMPER POSITION. THE GAS SHALL MONITOR THE FIRE/SMOKE DAMPER STATUS AT EACH LOCATION AND INDICATE THE POSITION AND LOCATION ON THE GRAPHIC FLOOR PLANS AT OPERATORS INTERFACE. ALL OTHER FIRE/SMOKE DAMPER CONTROLS AND ALARMS BY THE ELECTRICAL CONTRACTOR/FIRE ALARM CONTRACTOR.
9. SEE DRAWINGS FOR THE AMOUNT AND LOCATION OF ALL FIRE/SMOKE DAMPERS.

NO.	REVISION	DATE
1	PERMIT SET	12/08/2022

Project Status



- ### MECHANICAL DRAWING NOTES
1. LINE REPRESENTS REFRIGERANT PATHWAY ONLY. SIZE, QUANTITY AND ACCESSORIES PER MANUFACTURER'S RECOMMENDATION.
 2. REFRIGERANT PIPING FROM VRF CONDENSING UNIT PROVIDED UNDER AMENITIES SPACE DESIGN.
 3. CAPPED EXHAUST AIR DUCT PROVIDED FOR FUTURE RETAIL TENANT CONNECTION.
 4. CONSTANT AIRFLOW REGULATOR EQUAL TO AMERICAN ALDES CAR3. BALANCE TO AIRFLOW INDICATED.

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. THE MARTIN ARCHITECTURAL GROUP RESERVES ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT. NO PART OF THIS DOCUMENT IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF THE MARTIN ARCHITECTURAL GROUP. THIS DOCUMENT IS THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP AND WILL BE SUBJECT TO LEGAL PROTECTION.
 © The Martin Architectural Group, P.C.

Professional Certification:
 I hereby certify that these documents were prepared and the property of the duly licensed professional architect under the laws of the state of Maryland.
 JTG
 Professional Architect
 License Number: 1000000000
 Expiration Date:

THE MARTIN ARCHITECTURAL GROUP, P.C.
 ARCHITECTS AND LAND PLANNERS
 A PROFESSIONAL CORPORATION
 240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
 P (215) 665-1060 F (215) 561-5064

P.A.: JTG
 P.M.: TRT
 DRAWN BY: MJP
 PROJECT NO: 1022747

NO.	REVISION	DATE
1	PERMIT SET	12/19/2022

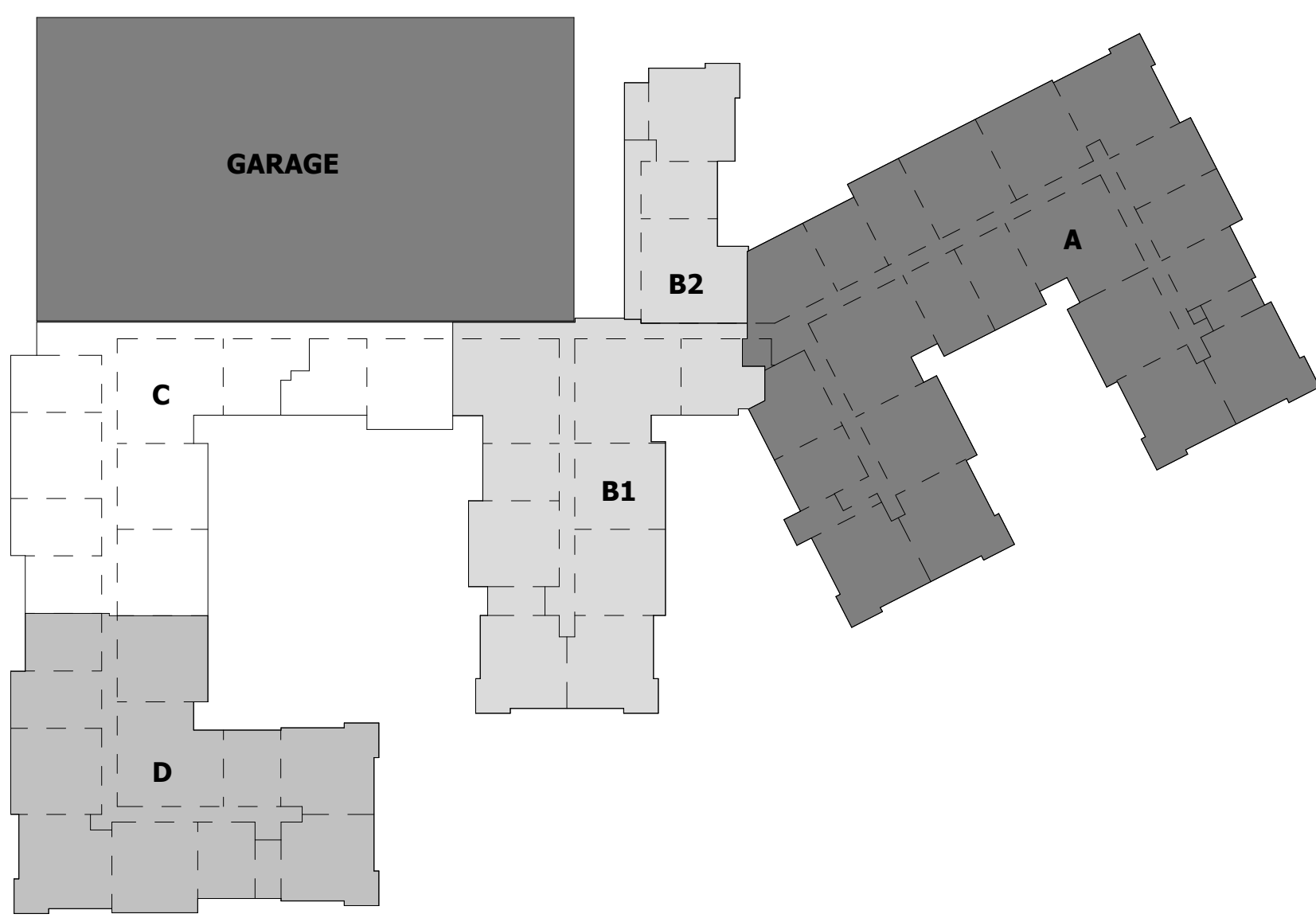
Project Status

MECHANICAL - RETAIL LEVEL PLAN A
Granite Run Apartments
 MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
 DATE: 12/19/22

M2.01A
 © The Martin Architectural Group, P.C.

MECHANICAL - RETAIL LEVEL PLAN A
 1/8" = 1'-0"

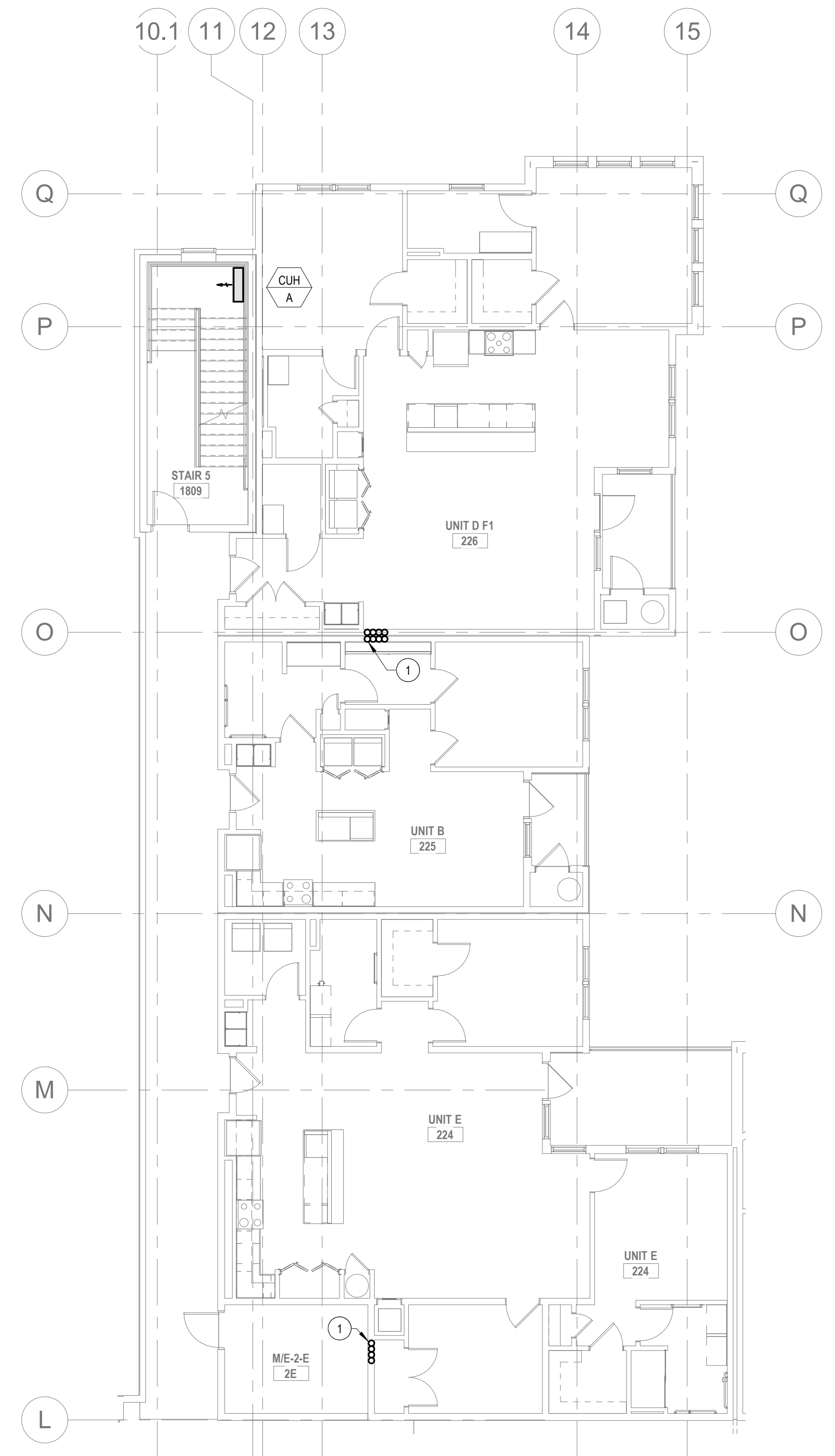


MECHANICAL DRAWING NOTES

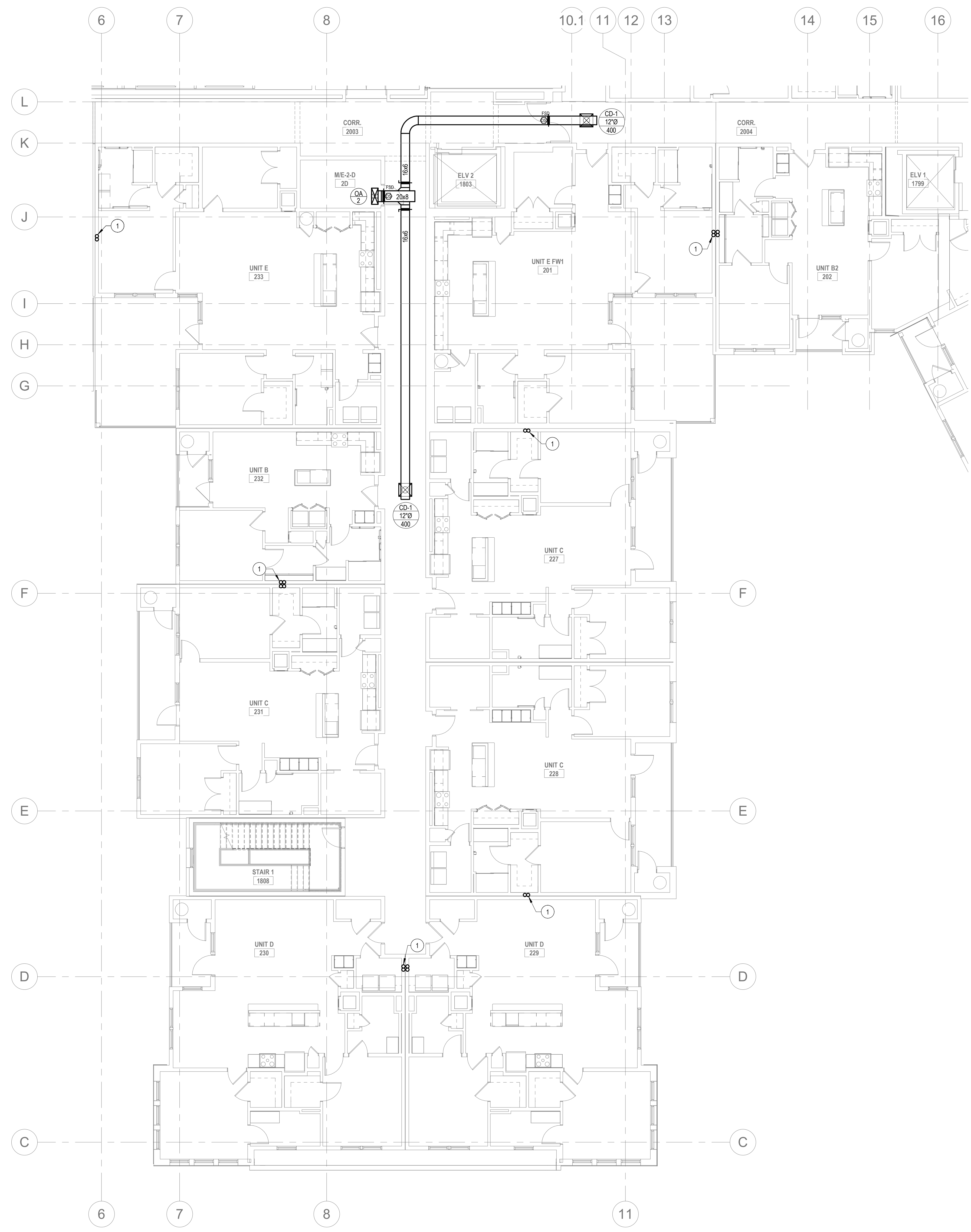
1. REFRIGERANT PIPE RISERS. SEE UNIT PLANS FOR HORIZONTAL PIPING PATHWAYS.

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. THE MARTIN ARCHITECTURAL GROUP RESERVES ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPYRIGHT HEREIN OR SUBSTANTIAL USE WITHOUT THE WRITTEN PERMISSION OF THE MARTIN ARCHITECTURAL GROUP. THIS DOCUMENT IS THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP AND WILL BE SUBJECT TO LEGAL PROTECTION.

© The Martin Architectural Group, P.C.



1 MECHANICAL - SECOND FLOOR PLAN B2
M2.05B 1/8" = 1'-0"



2 MECHANICAL - SECOND FLOOR PLAN B1
M2.05B 1/8" = 1'-0"

Professional Certification:
I hereby certify that these documents were prepared by me or under my direct supervision and I am a duly licensed professional architect under the laws of the state of Maryland.

JTG
Professional Architect
License Number:
Expiration Date:

THE MARTIN ARCHITECTURAL GROUP, P.C.
ARCHITECTS AND LAND PLANNERS
A PROFESSIONAL CORPORATION
240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
P (215) 665-1060 F (215) 561-5064

P.A.: JTG
P.M.: TRT
DRAWN BY: MJP
PROJECT NO: 1022747

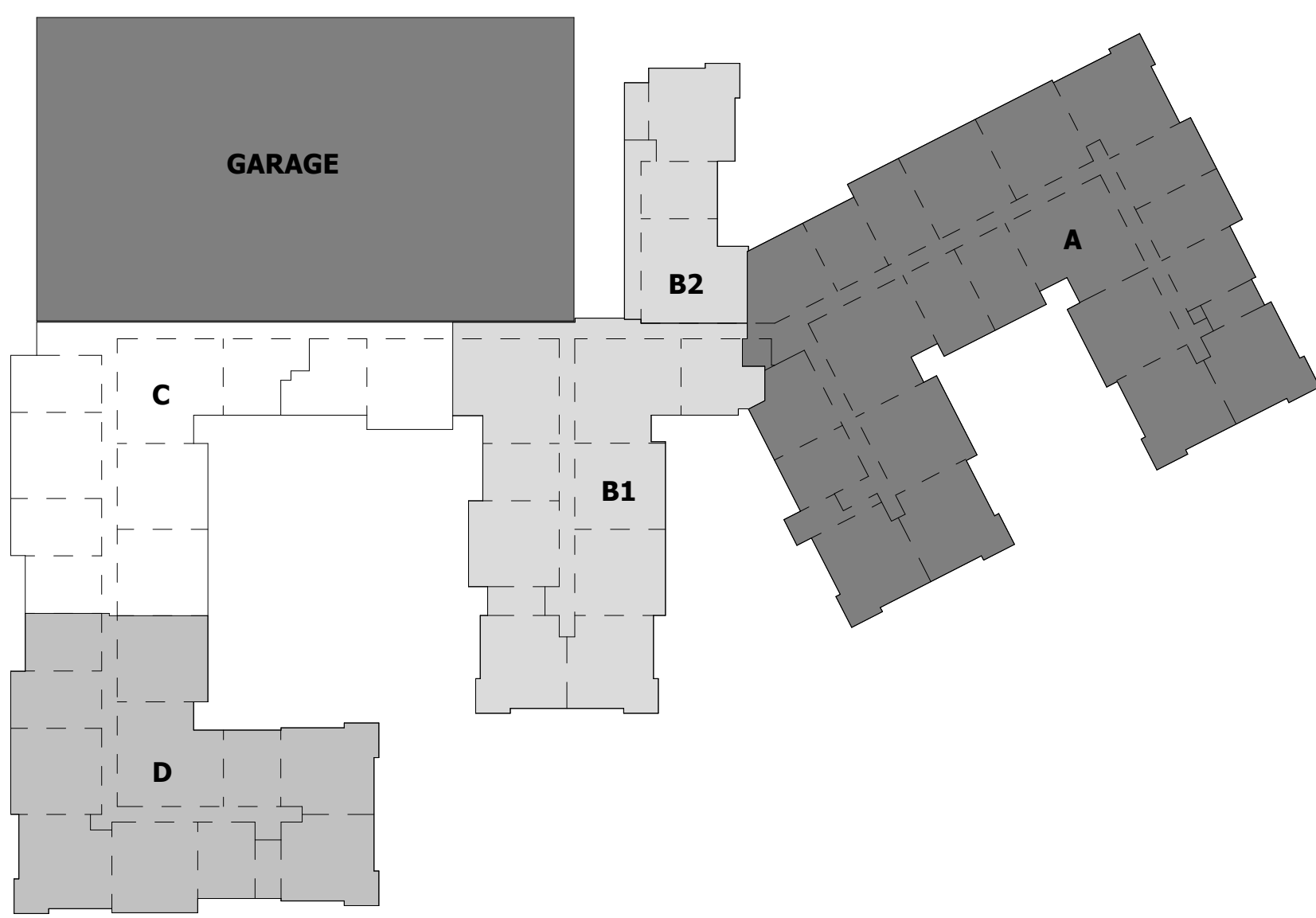
NO.	REVISION	DATE
1	PERMIT SET	12/28/2022

Project Status

MECHANICAL - SECOND FLOOR PLAN B
Granite Run Apartments
MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
DATE: 12/19/22

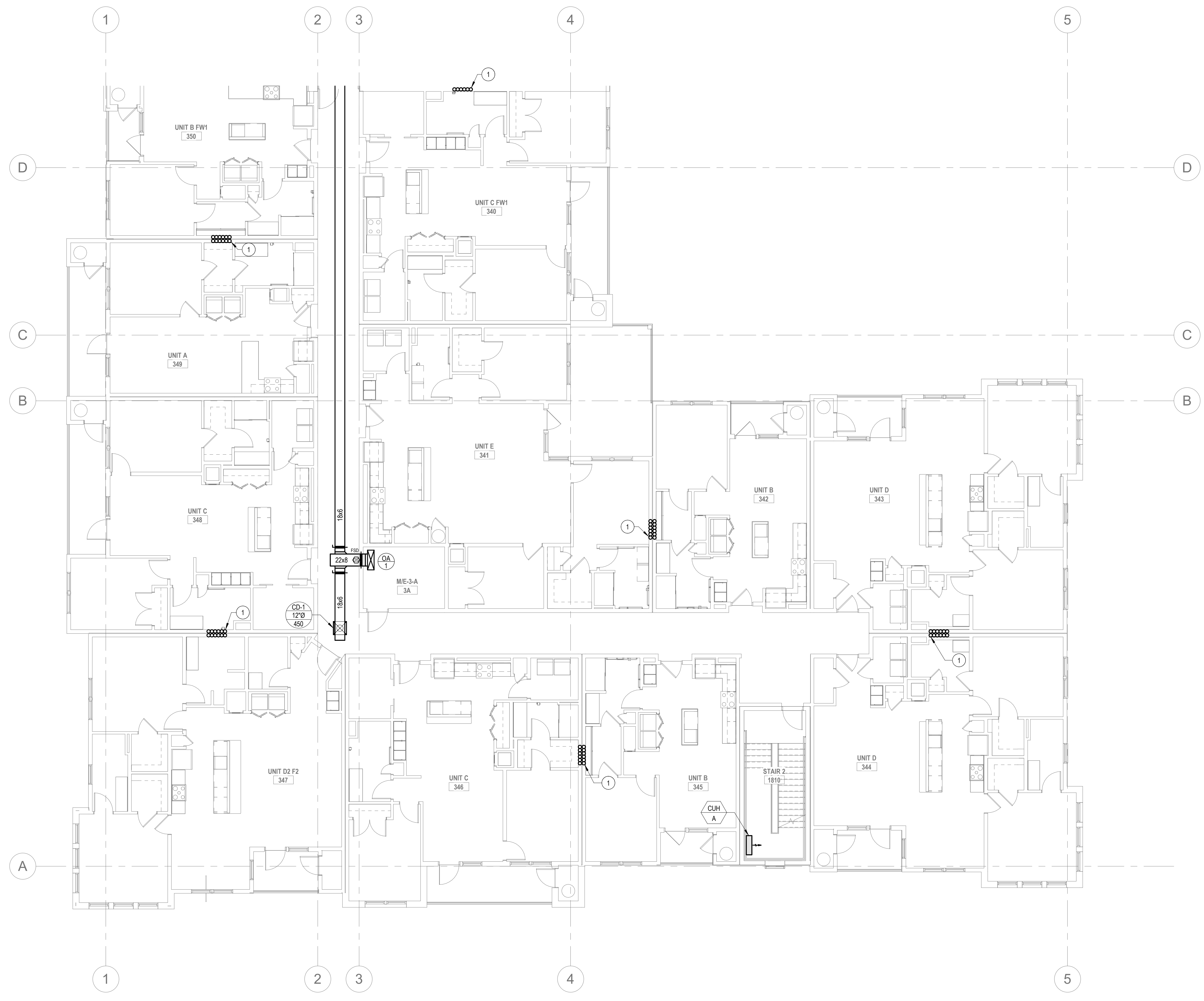
M2.05B
© The Martin Architectural Group, P.C.



MECHANICAL DRAWING NOTES

- REFRIGERANT PIPE RISERS. SEE UNIT PLANS FOR HORIZONTAL PIPING PATHWAYS.

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. THE MARTIN ARCHITECTURAL GROUP RESAINS ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPY RIGHT HERETO. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF THE MARTIN ARCHITECTURAL GROUP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
 © The Martin Architectural Group, P.C.



MECHANICAL - THIRD FLOOR PLAN D
 1/12/2022
 1/8" = 1'-0"

Professional Certification:
 I hereby certify that these documents were prepared by me or under my direct supervision and I am a duly licensed professional Architect under the laws of the state of Maryland.
 Professional Architect: JTG
 License Number:
 Expiration Date:

THE MARTIN ARCHITECTURAL GROUP, P.C.
 ARCHITECTS AND LAND PLANNERS
 A PROFESSIONAL CORPORATION
 240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
 P (215) 665-1060 F (215) 561-5064

P.A.: JTG
 P.M.: TRT
 DRAWN BY: MJP
 PROJECT NO: 1022747

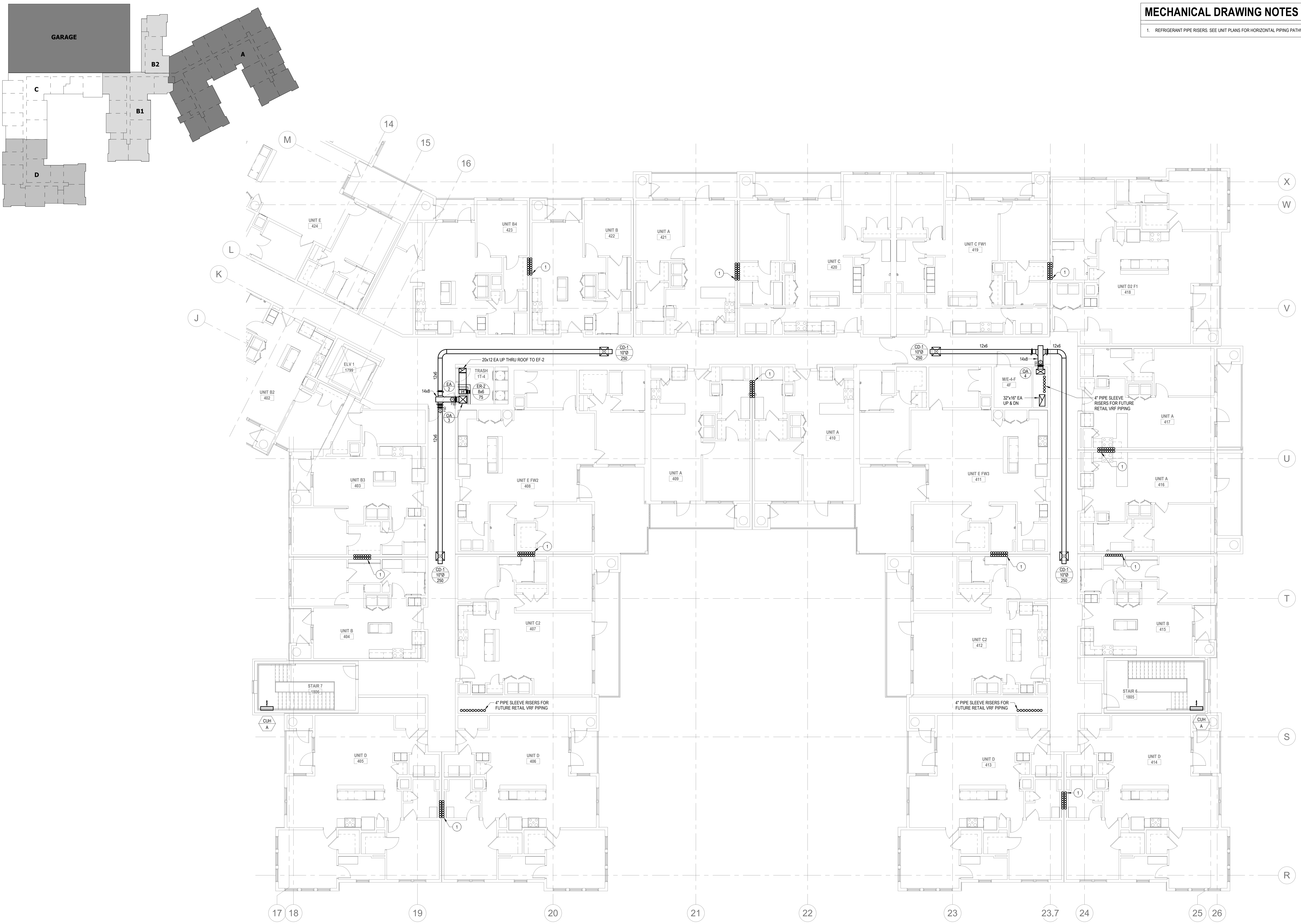
NO.	REVISION	DATE
1	PERMIT SET	12/19/22

Project Status

MECHANICAL - THIRD FLOOR PLAN D
Granite Run Apartments
 MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
 DATE: 12/19/22

M2.06D
 © The Martin Architectural Group, P.C.



MECHANICAL DRAWING NOTES

- 1. REFRIGERANT PIPE RISERS. SEE UNIT PLANS FOR HORIZONTAL PIPING PATHWAYS.

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. THE MARTIN ARCHITECTURAL GROUP RESERVES ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPY RIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF THE MARTIN ARCHITECTURAL GROUP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© The Martin Architectural Group, P.C.

Professional Certification:
I hereby certify that these documents were prepared by me or under my direct supervision and I am a duly licensed professional Architect under the laws of the state of Maryland.
Professional Architect:
JTG
License Number:
Expiration Date:

THE MARTIN ARCHITECTURAL GROUP, P.C.
ARCHITECTS AND LAND PLANNERS
A PROFESSIONAL CORPORATION
240 NORTH 32ND STREET, PHILADELPHIA, PA, 19103
P (215) 665-1060 F (215) 561-5064

P.A.: JTG
P.M.: TRT
DRAWN BY: MJP
PROJECT NO: 1022747

NO.	REVISION	DATE
1	PERMIT SET	12/19/22

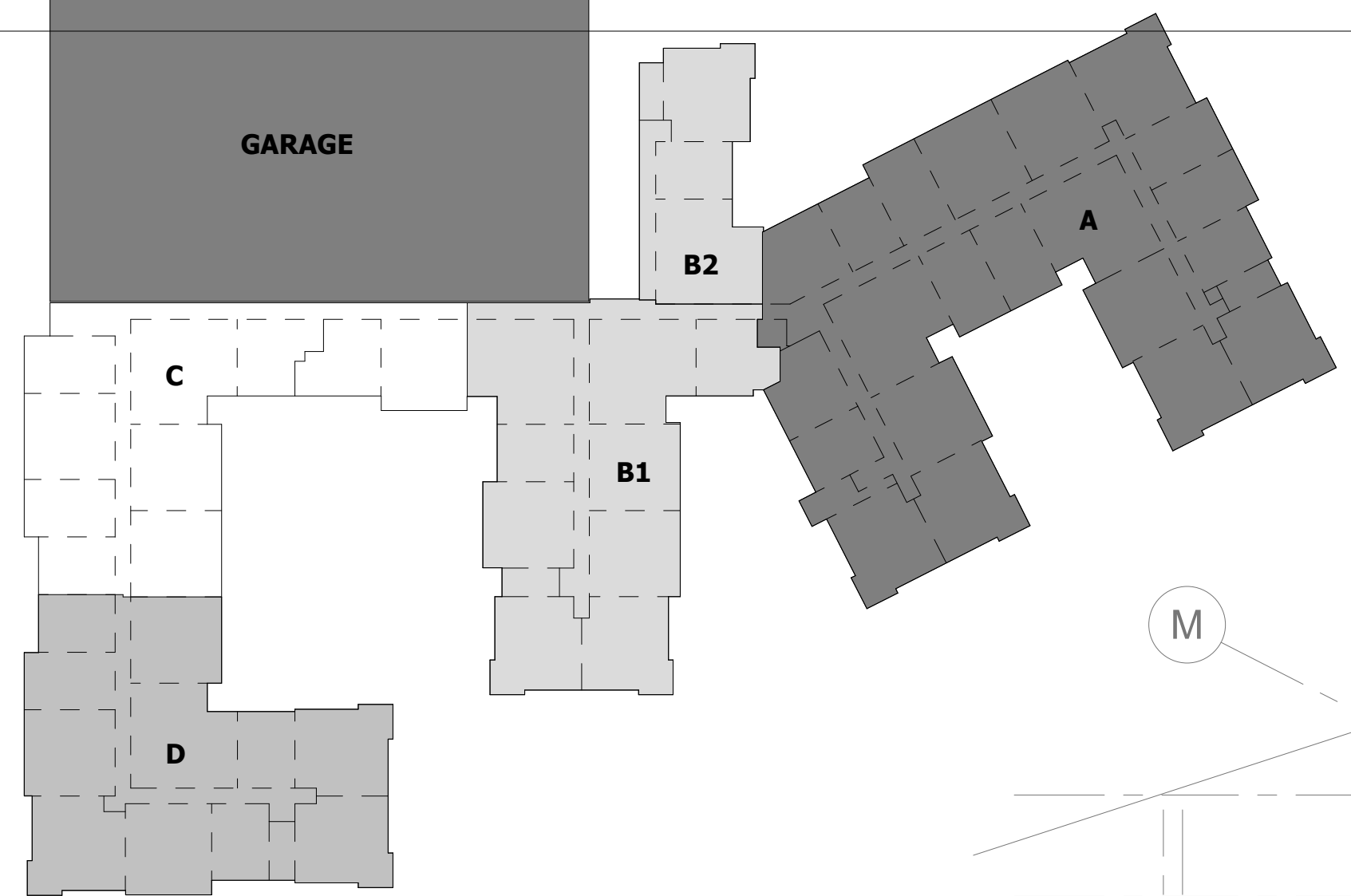
Project Status

MECHANICAL - FOURTH FLOOR PLAN A
Granite Run Apartments
MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
DATE: 12/19/22

M2.07A
© The Martin Architectural Group, P.C.

MECHANICAL - FOURTH FLOOR PLAN A
1/8" = 1'-0"



MECHANICAL DRAWING NOTES

1. PROVIDE CONDENSING UNIT TAGS INCLUDING UNIT SIZE AND ROOM NUMBER OF ASSOCIATED INDOOR UNIT. COORDINATE FINAL CONDENSING UNIT LOCATIONS TO AVOID PLACEMENT ABOVE FOURTH FLOOR BEDROOMS.
2. REFRIGERANT PIPE RISERS DOWN IN ROOF PIPE CURB. REFER TO DETAIL 16/M.03.1.

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. ANY REPRODUCTION OF THIS DOCUMENT WITHOUT THE WRITTEN PERMISSION OF THE MARTIN ARCHITECTURAL GROUP WILL BE SUBJECT TO LEGAL PROSECUTION.
 © The Martin Architectural Group, P.C.



Professional Certification:
 I hereby certify that these documents were prepared by me or under my direct supervision and I am a duly licensed professional architect under the laws of the state of Maryland.
 Professional Architect: JTG
 License Number:
 Expiration Date:

THE MARTIN ARCHITECTURAL GROUP, P.C.
 ARCHITECTS AND LAND PLANNERS
 A PROFESSIONAL CORPORATION
 240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
 P (215) 665-1066 F (215) 561-5064

P.A.: JTG
 P.M.: TRT
 DRAWN BY: MJP
 PROJECT NO: 1022747

NO.	REVISION	DATE
1	PERMIT SET	12/28/2022

Project Status

MECHANICAL - ROOF PLAN A
Granite Run Apartments
 MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
 DATE: 12/19/22

M2.08A
 © The Martin Architectural Group, P.C.

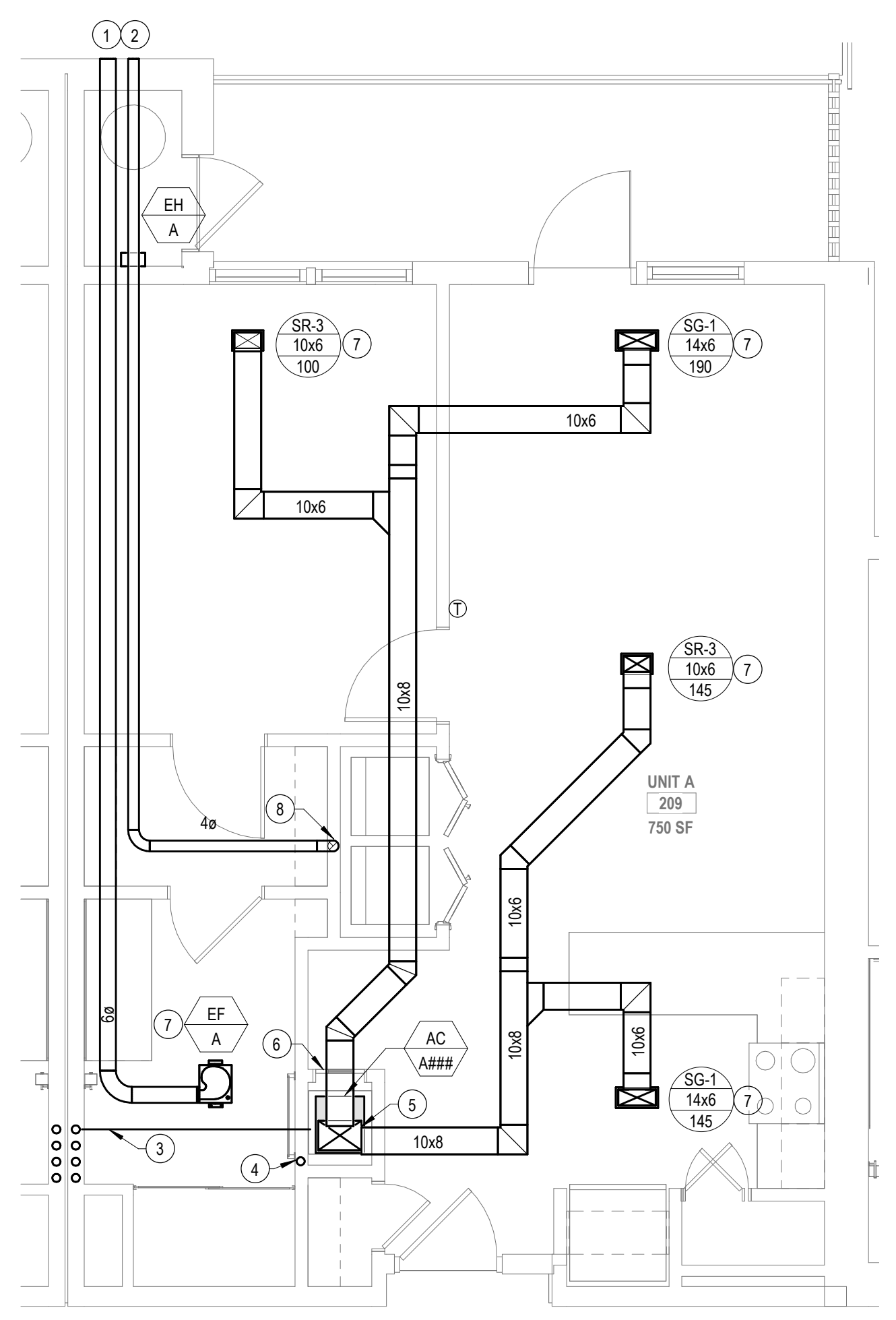
MECHANICAL - ROOF PLAN A
 1/22.08A 1/8" = 1'-0"

MECHANICAL DRAWING NOTES

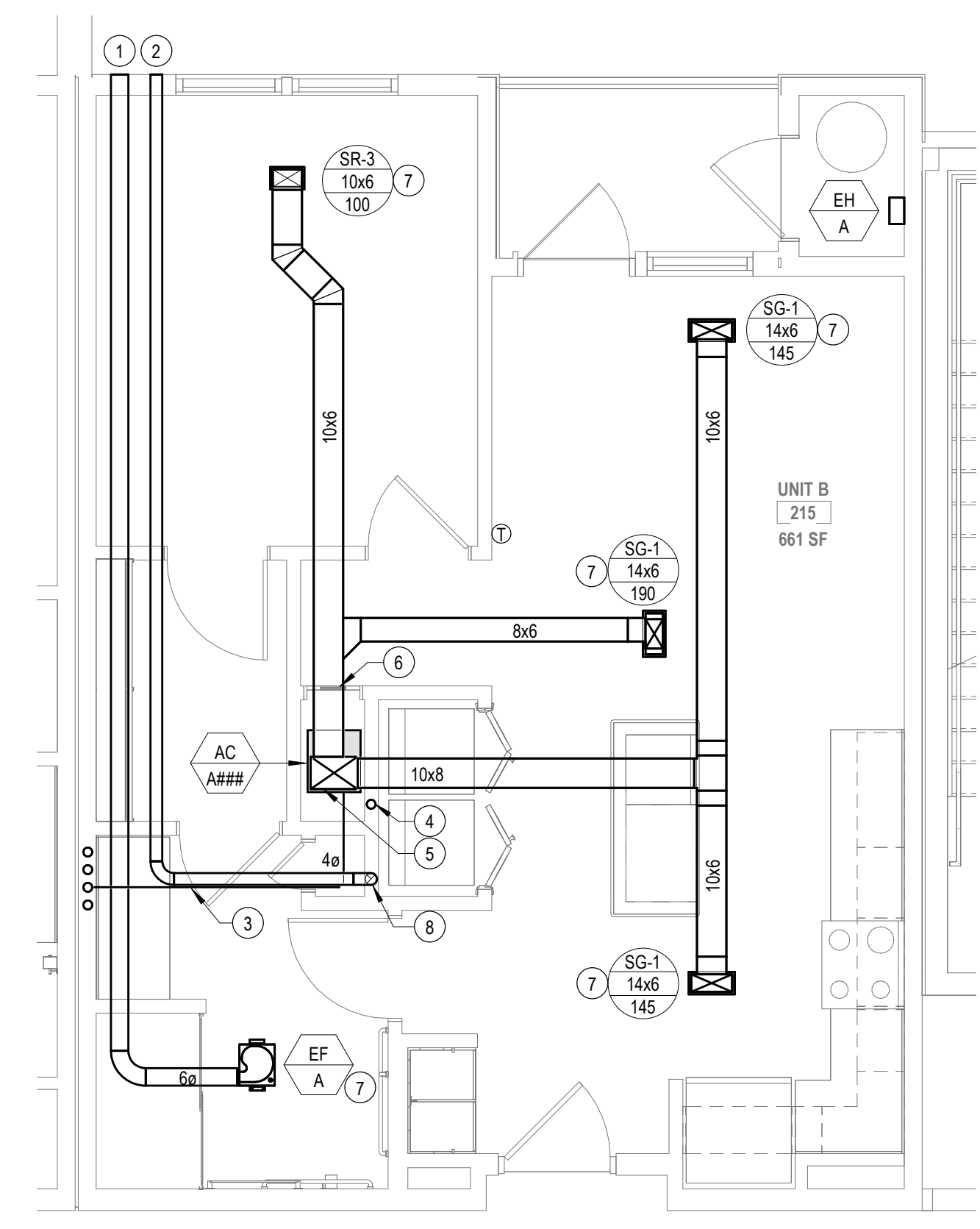
- 6" TOILET EXHAUST DUCT TERMINATE AT THE FACADE WITH VENT CAPS. REFER TO ARCHITECTURAL DRAWINGS FOR TERMINATION.
- 4" DRYER EXHAUST AT FACADE WITH DRYERWALL/VENT LOW-PROFILE TERMINATION. COORDINATE FINISH COLOR WITH ARCHITECT.
- LINE REPRESENTS REFRIGERANT PATHWAY ONLY. EACH AC UNIT SHALL BE CONNECTED TO THE CONDENSING UNIT WITH TWO (2) REFRIGERANT PIPES. REFRIGERANT PIPING SHALL BE SIZED PER THE MANUFACTURER'S REQUIREMENTS. TYPICAL FOR ALL PIPING BETWEEN CONDENSING UNITS AND EVAPORATORS IN HEAT PUMP APPLICATION.
- 1" CONDENSATE PIPE RISER WITHIN STUD CAVITY. TERMINATE IN LEVEL 1 AT NEAREST RECEPTACLE PROVIDED BY PLUMBING CONTRACTOR. TERMINATE WITH CODE COMPLIANT AIR GAP. SLOPE ALL HORIZONTAL RUNS OF CONDENSATE AT 1/8"1'-0".
- PROVIDE FIRE DAMPER AT THE SUPPLY DUCT AIR PENETRATION INTO CEILING PLENUM.
- LOUVERED PANEL REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.
- PROVIDE CEILING RADIANT DAMPERS LISTED AT A 2-HR RATING FOR EACH CEILING PENETRATION.
- DRYER EXHAUST PIPE DOWN TO RECESSED DRYER VENT BOX. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

MECHANICAL GENERAL NOTES

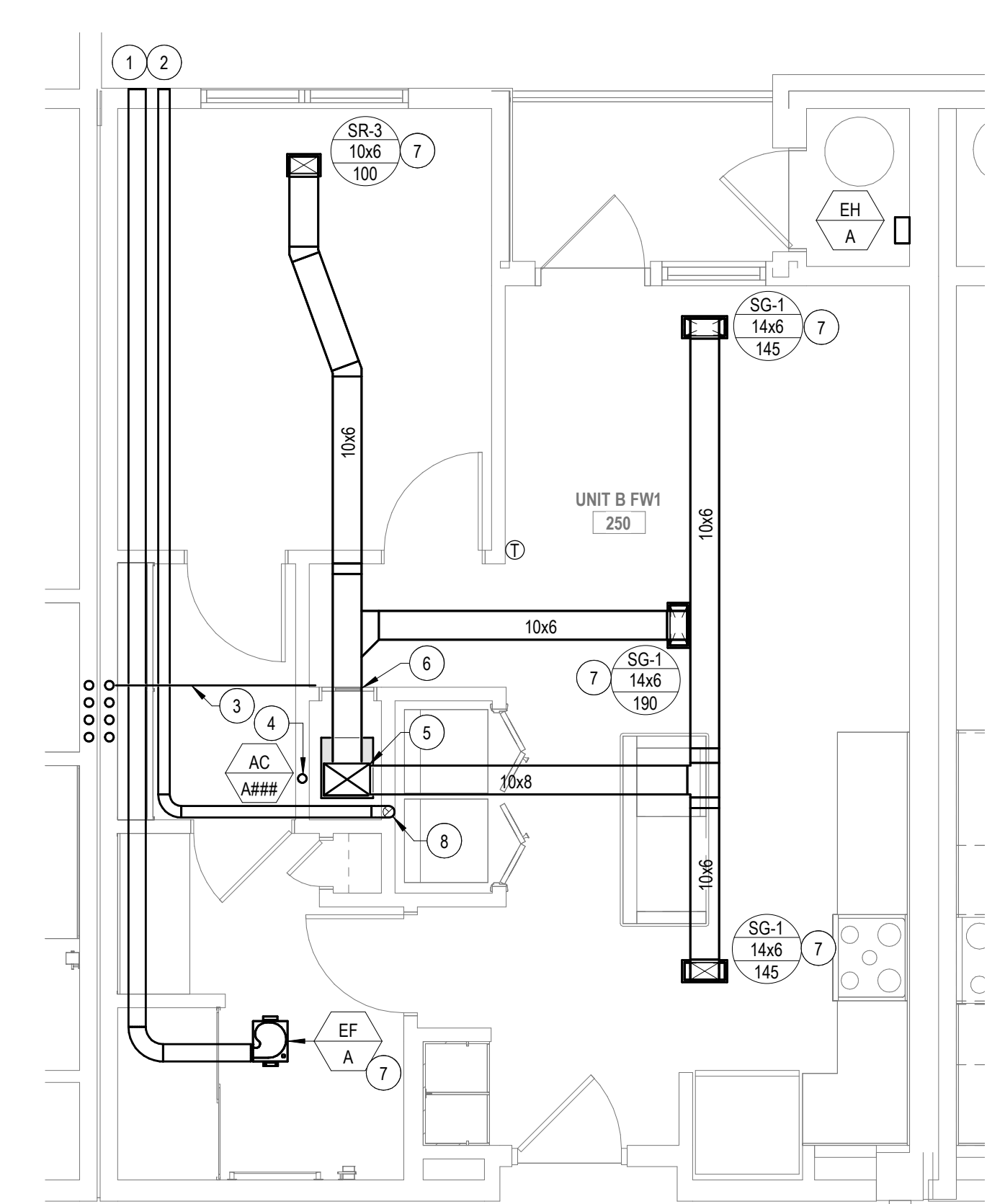
- COORDINATE DUCTWORK WITH TRUSS OPENINGS AND TRUSS SPACING. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.



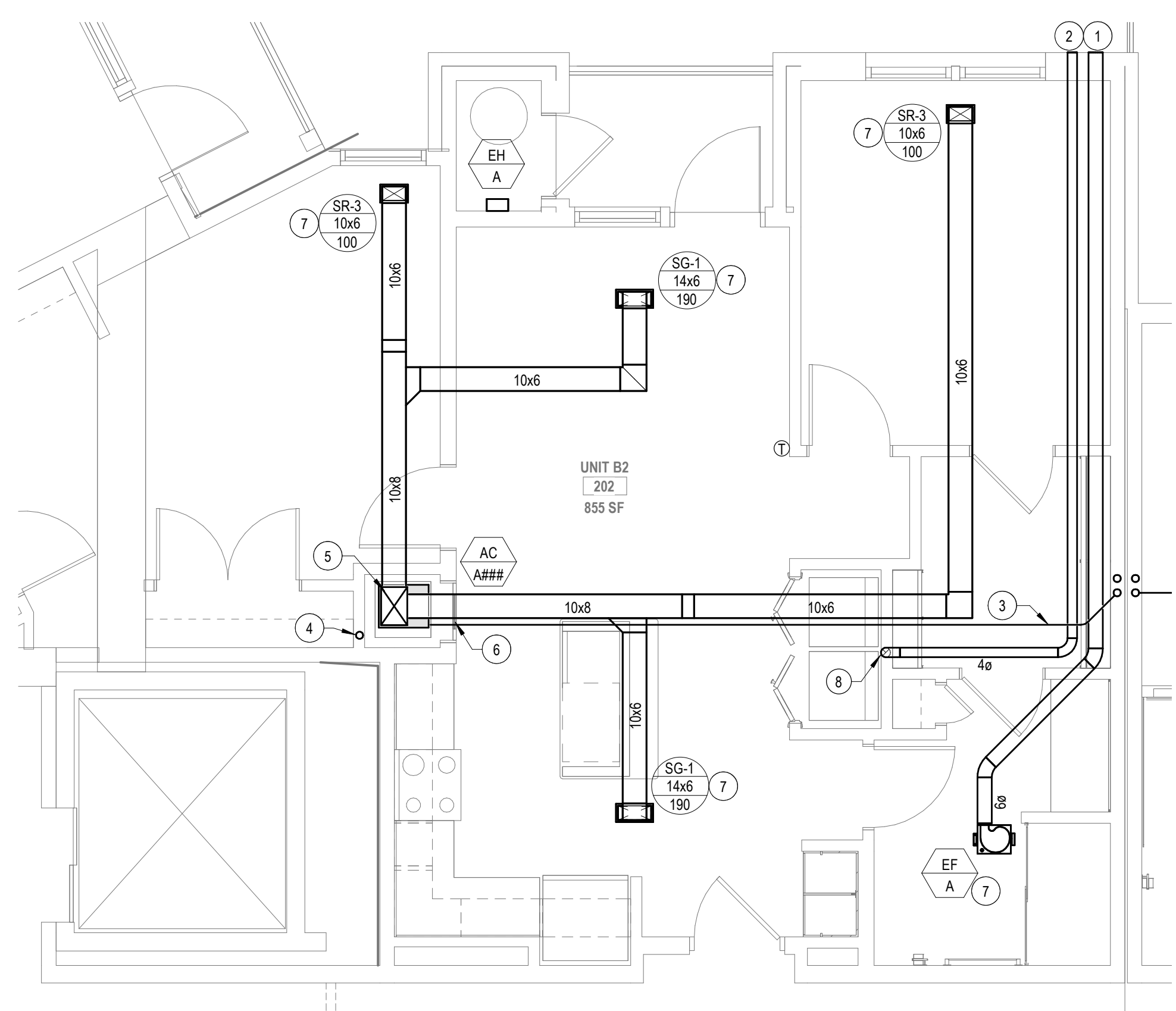
1 MECHANICAL - UNIT - A PLAN
 M6.01 1/4" = 1'-0"



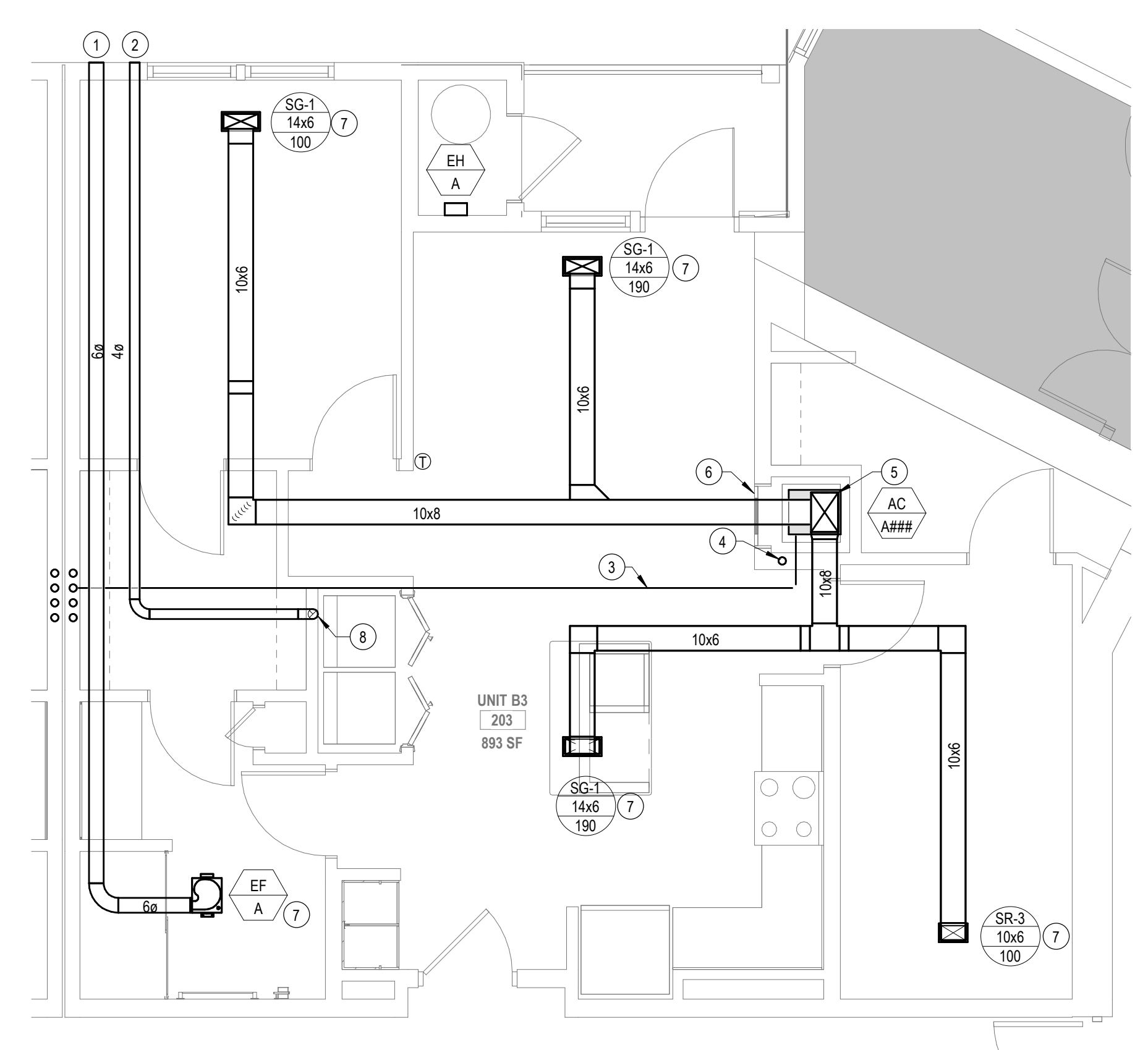
2 MECHANICAL - UNIT - B PLAN
 M6.01 1/4" = 1'-0"



3 MECHANICAL - UNIT - B (FW-1) PLAN
 M6.01 1/4" = 1'-0"



4 MECHANICAL - UNIT - B2 PLAN
 M6.01 1/4" = 1'-0"



5 MECHANICAL - UNIT - B3 PLAN
 M6.01 1/4" = 1'-0"

THE MARTIN ARCHITECTURAL GROUP, P.C.
 ARCHITECTS AND LAND PLANNERS
 A PROFESSIONAL CORPORATION
 240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
 P (215) 665-1066 F (215) 561-5064

P.A.: JTG
 P.M.: TRT
 DRAWN BY: AAK
 PROJECT NO: 1022747

NO.	REVISION	DATE
1	PERMIT SET	12/28/2022

Project Status

MECHANICAL - UNIT PLANS
Granite Run Apartments
 MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
 DATE: 12/19/22

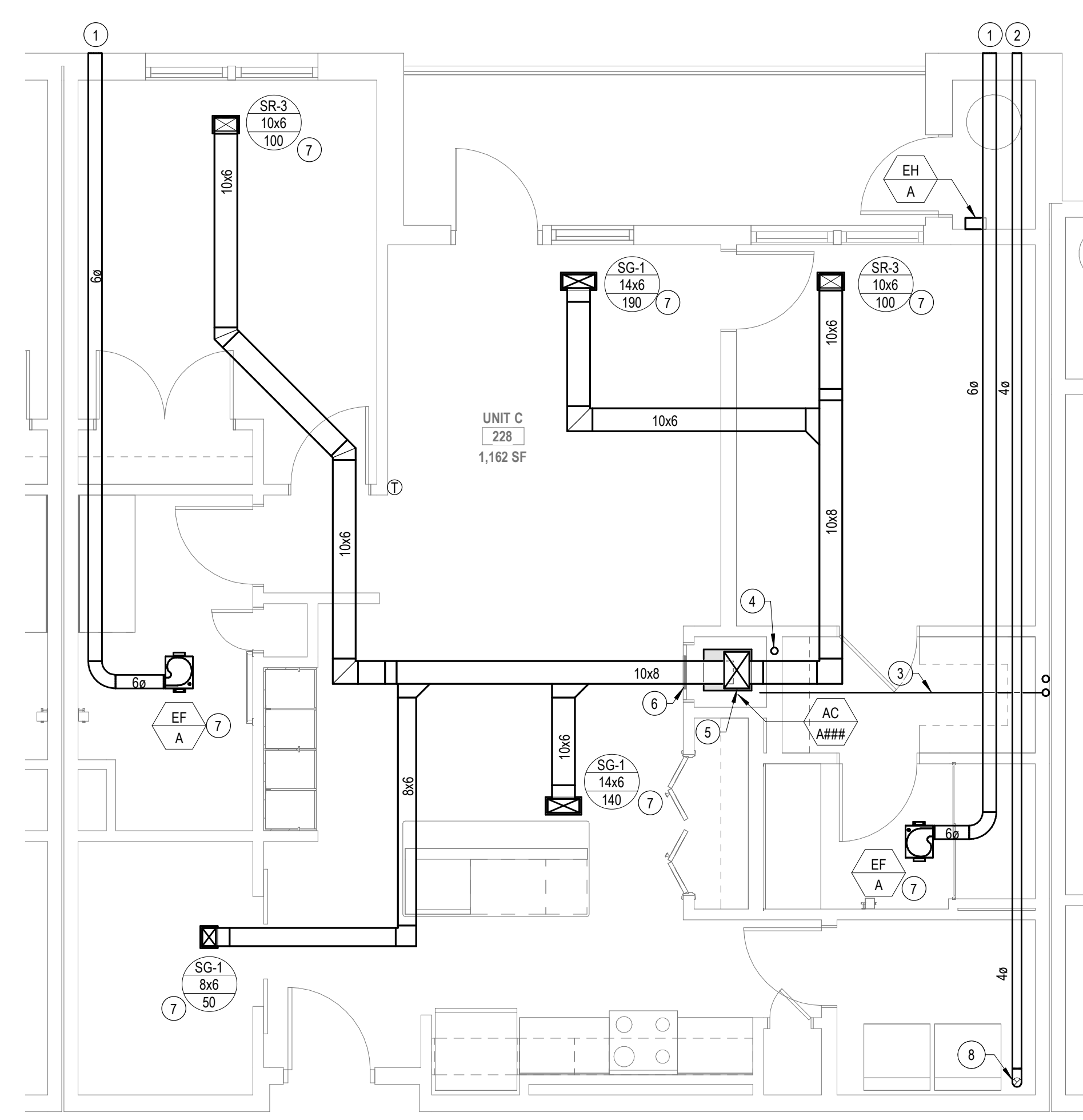
M6.01
 © The Martin Architectural Group, P.C.

MECHANICAL DRAWING NOTES

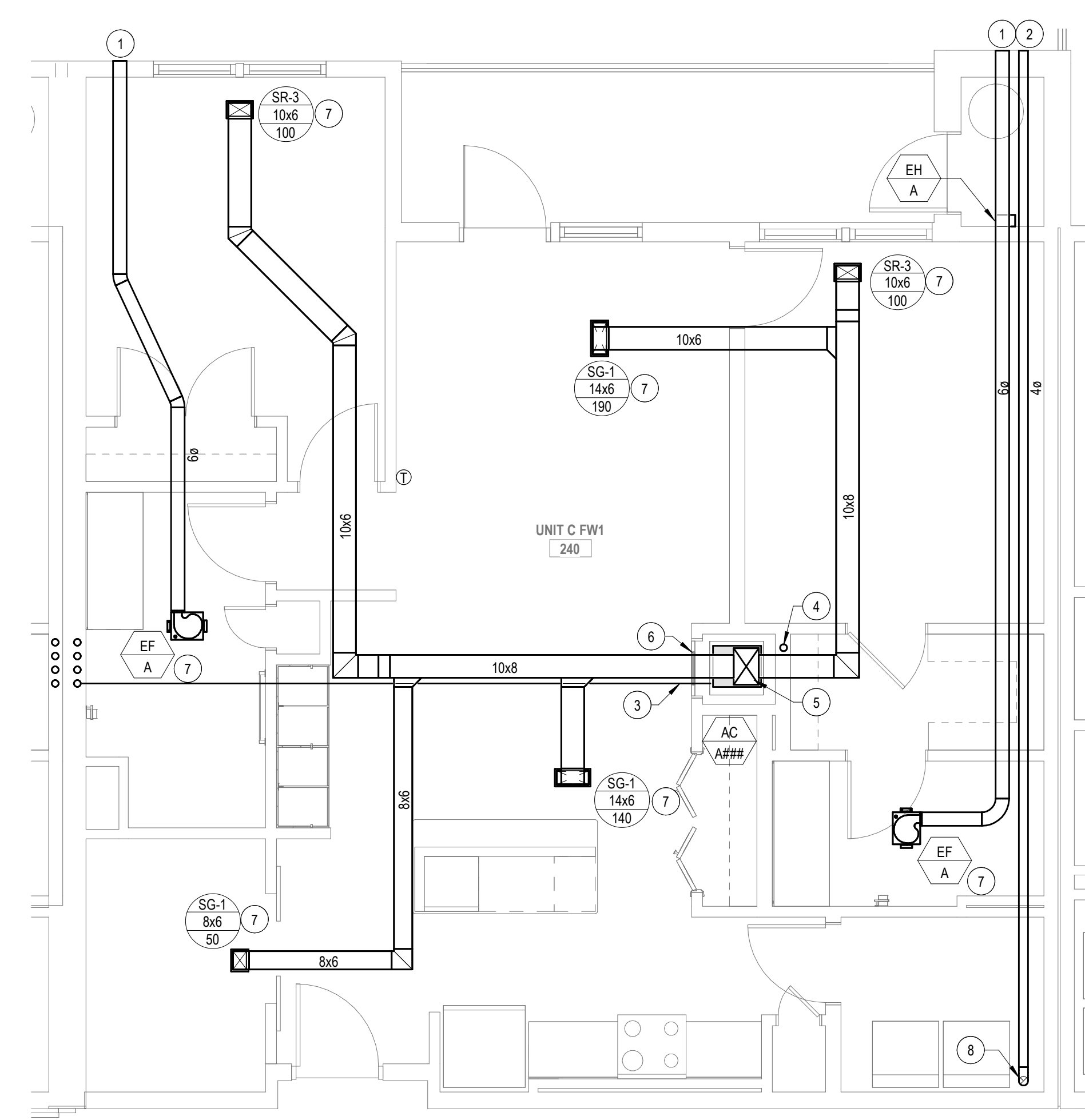
- 6" TOILET EXHAUST DUCT TERMINATE AT THE FACADE WITH VENT CAPS. REFER TO ARCHITECTURAL DRAWINGS FOR TERMINATION.
- 4" DRYER EXHAUST AT FACADE WITH DRYERWALL/VENT LOW-PROFILE TERMINATION. COORDINATE FINISH COLOR WITH ARCHITECT.
- LINE REPRESENTS REFRIGERANT PATHWAY ONLY. EACH AC UNIT SHALL BE CONNECTED TO THE CONDENSING UNIT WITH TWO (2) REFRIGERANT PIPES. REFRIGERANT PIPING SHALL BE SIZED PER THE MANUFACTURER'S REQUIREMENTS. TYPICAL FOR ALL PIPING BETWEEN CONDENSING UNITS AND EVAPORATORS IN HEAT PUMP APPLICATION.
- 1" CONDENSATE PIPE RISER WITHIN STUD CAVITY. TERMINATE IN LEVEL 1 AT NEAREST RECEPTACLE PROVIDED BY PLUMBING CONTRACTOR. TERMINATE WITH CODE COMPLIANT AIR GAP. SLOPE ALL HORIZONTAL RUNS OF CONDENSATE AT 1/8"1'-0".
- PROVIDE FIRE DAMPER AT THE SUPPLY DUCT AIR PENETRATION INTO CEILING PLENUM.
- LOUVERED PANEL. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.
- PROVIDE CEILING RADIANT DAMPERS LISTED AT A 2-HR RATING FOR EACH CEILING PENETRATION.
- DRYER EXHAUST PIPE DOWN TO RECESSED DRYER VENT BOX. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

MECHANICAL GENERAL NOTES

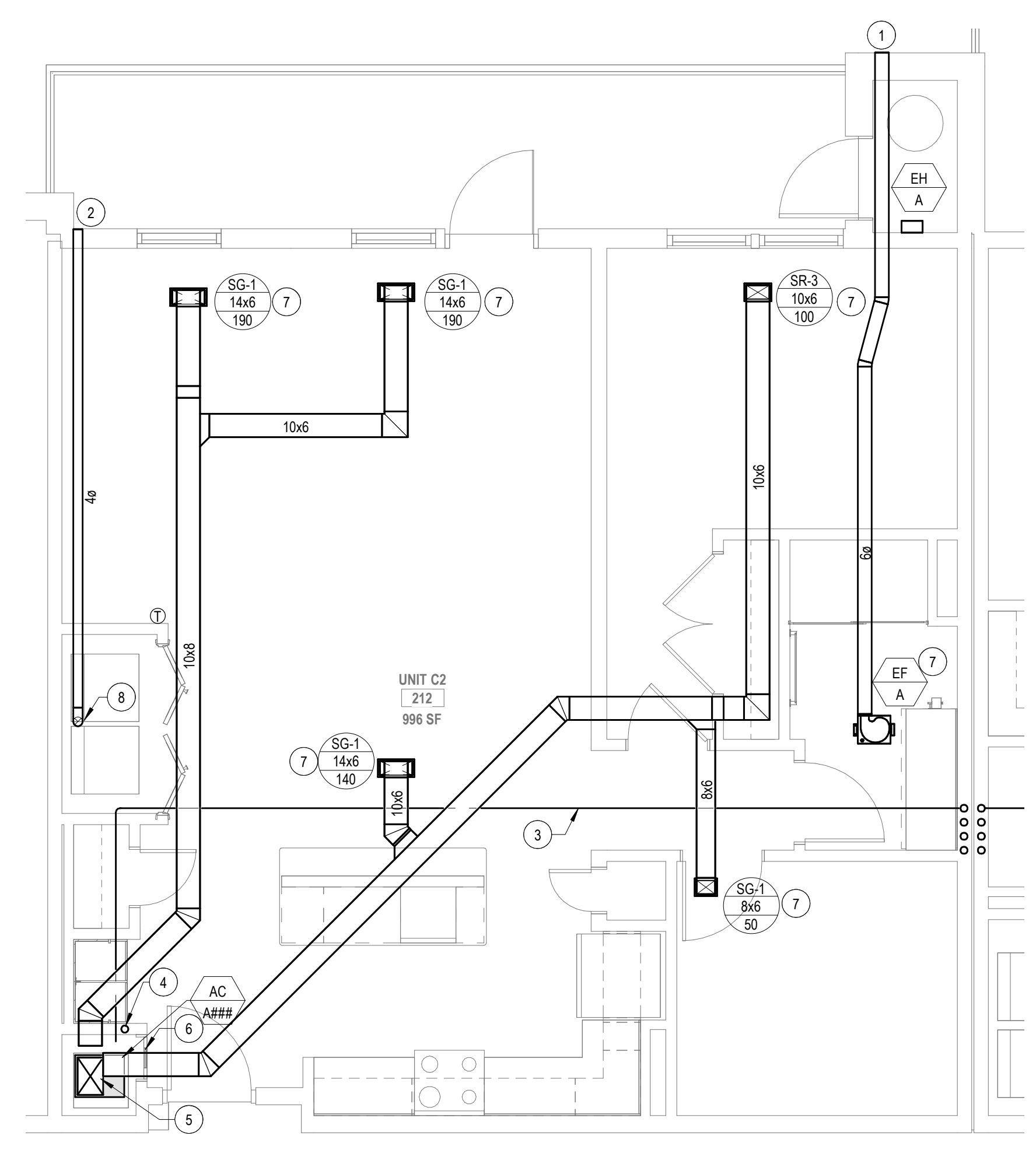
- COORDINATE DUCTWORK WITH TRUSS OPENINGS AND TRUSS SPACING. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.



1 MECHANICAL - UNIT - C PLAN
 1/4" = 1'-0"



2 MECHANICAL - UNIT - C (FW-1) PLAN
 1/4" = 1'-0"



3 MECHANICAL - UNIT - C2 PLAN
 1/4" = 1'-0"

THE MARTIN ARCHITECTURAL GROUP, P.C.
 ARCHITECTS AND LAND PLANNERS
 A PROFESSIONAL CORPORATION
 240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
 P (215) 665-1060 F (215) 561-5064

P.A.: JTG
 P.M.: TRT
 DRAWN BY: AAK
 PROJECT NO: 1022747

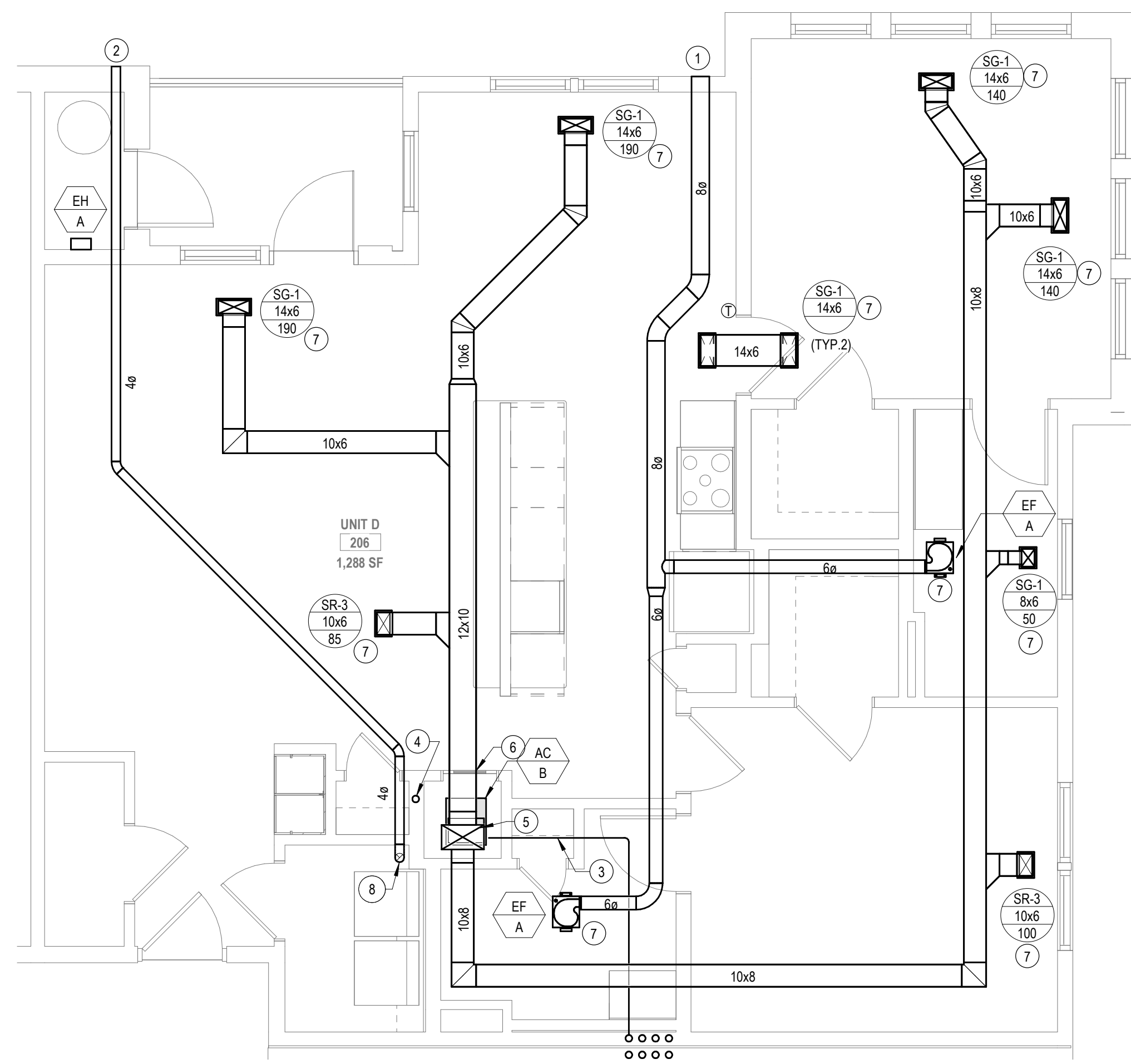
NO.	REVISION	DATE
1	PERMIT SET	12/28/2022

Project Status

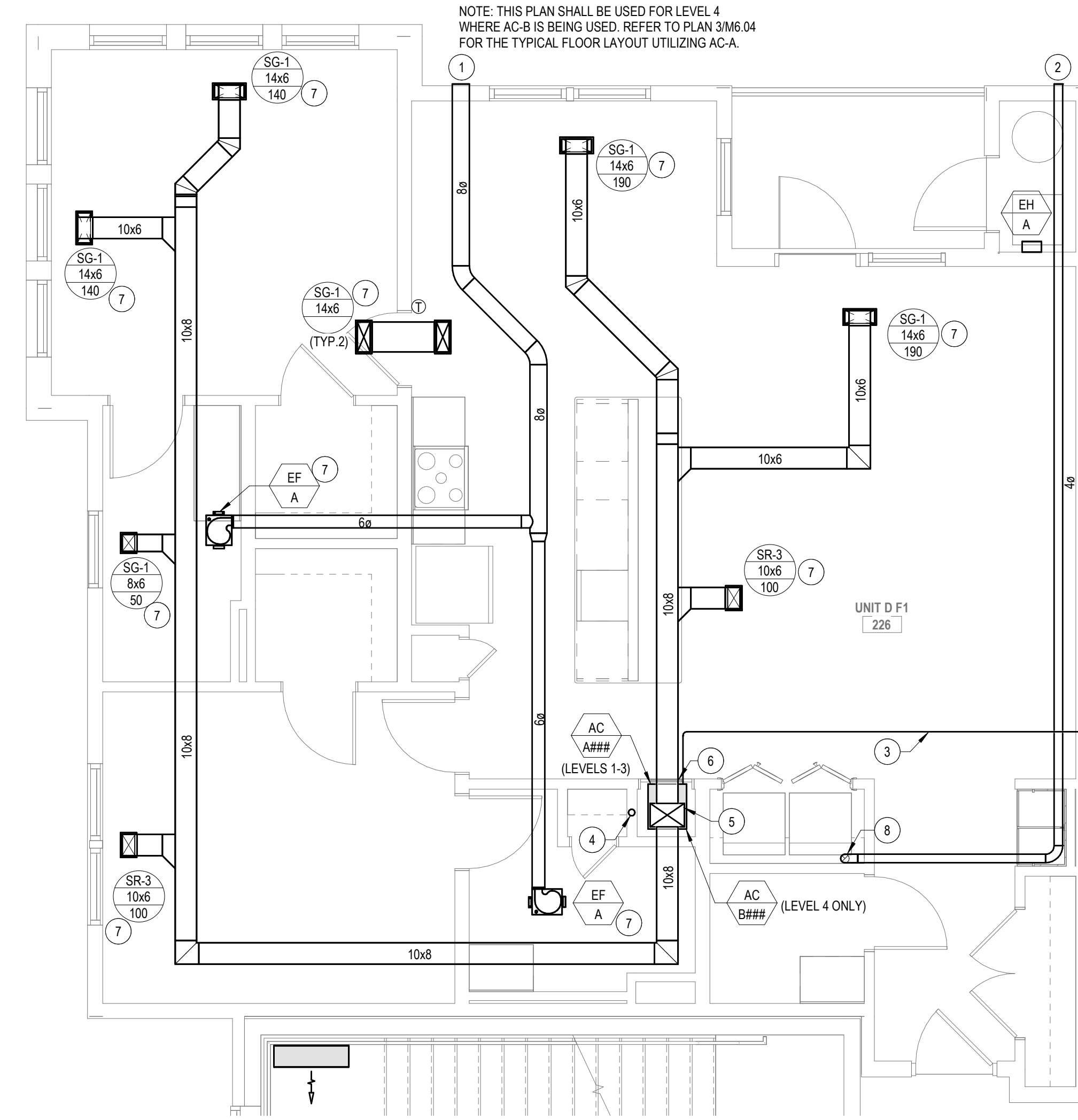
MECHANICAL - UNIT PLANS
Granite Run Apartments
 MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
 DATE: 12/19/22

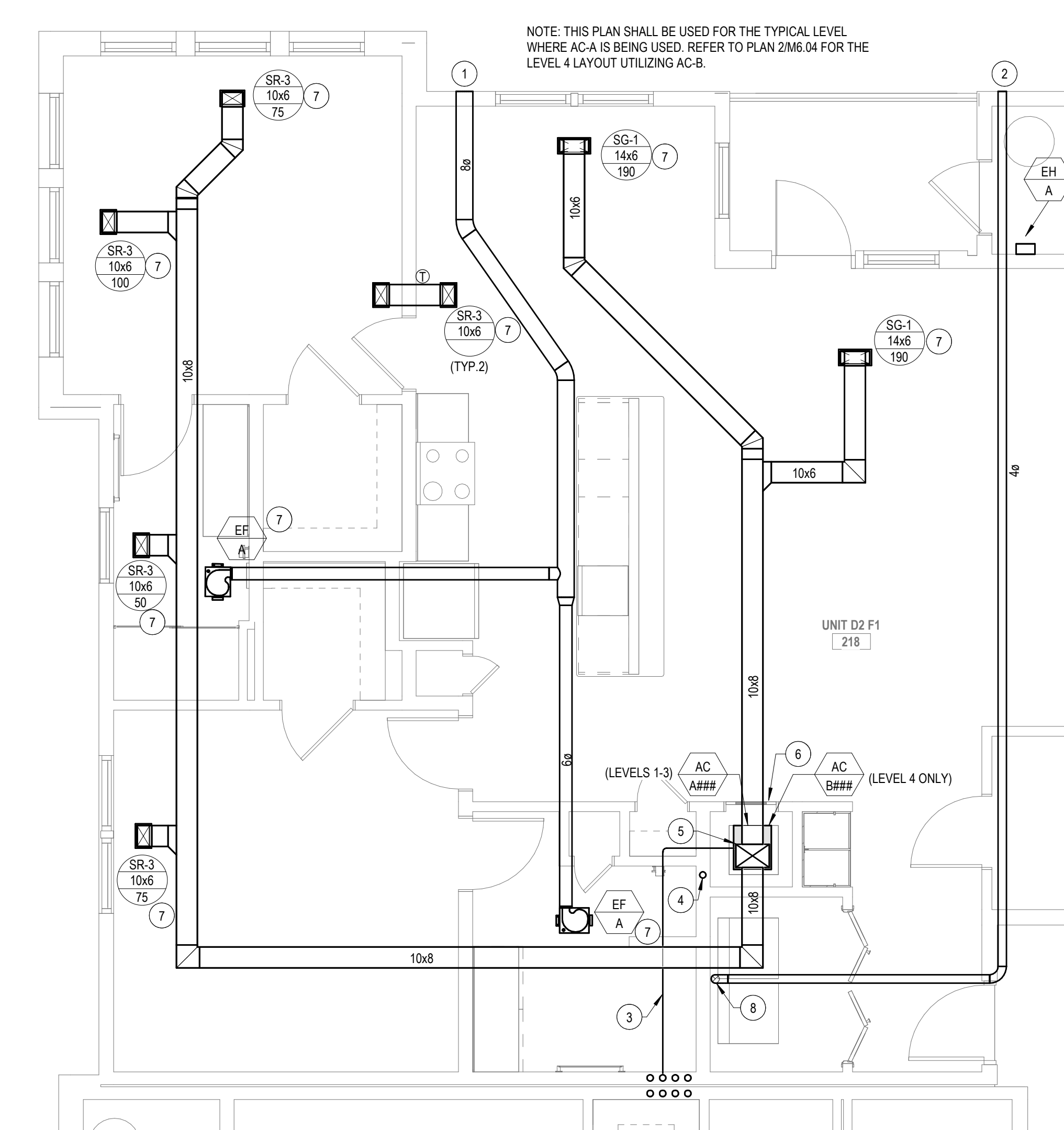
M6.03
 © The Martin Architectural Group, P.C.



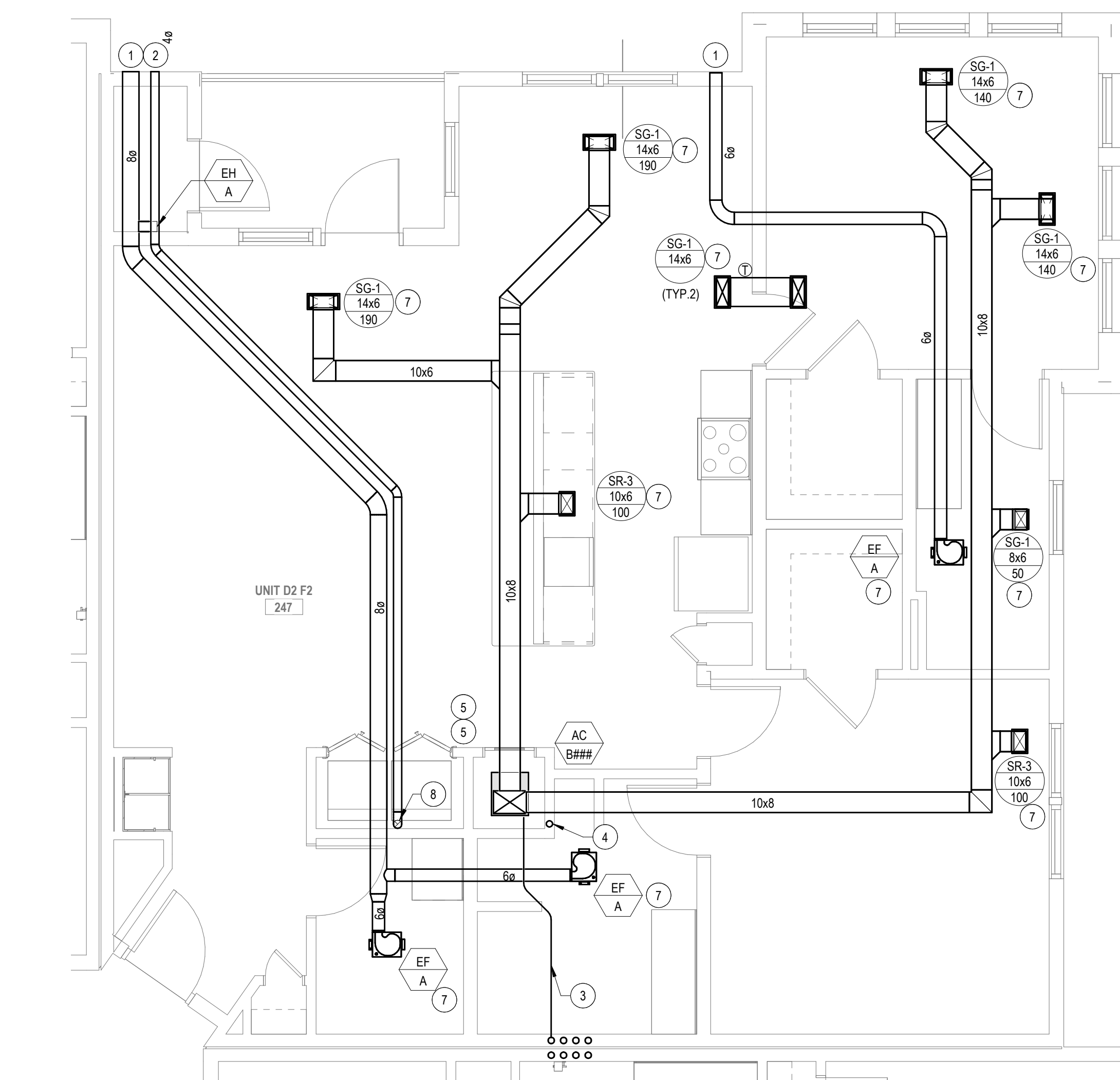
1 MECHANICAL - UNIT - D PLAN
1/4" = 1'-0"



2 MECHANICAL - UNIT - D - F1 (ALT. FOYER) PLAN
1/4" = 1'-0"



3 MECHANICAL - UNIT - D2 - F1 PLAN
1/4" = 1'-0"



4 MECHANICAL - UNIT - D2 - F2 (ALT. FOYER) PLAN
1/4" = 1'-0"

MECHANICAL DRAWING NOTES

- TOILET EXHAUST DUCT TERMINATE AT THE FACADE WITH VENT CAPS. REFER TO ARCHITECTURAL DRAWINGS FOR TERMINATION.
- 4" DRYER EXHAUST AT FACADE WITH DRYERWALL/VENT LOW-PROFILE TERMINATION. COORDINATE FINISH COLOR WITH ARCHITECT.
- LINE REPRESENTS REFRIGERANT PATHWAY ONLY. EACH AC UNIT SHALL BE CONNECTED TO THE CONDENSING UNIT WITH TWO (2) REFRIGERANT PIPES. REFRIGERANT PIPING SHALL BE SIZED PER THE MANUFACTURER'S REQUIREMENTS. TYPICAL FOR ALL PIPING BETWEEN CONDENSING UNITS AND EVAPORATORS IN HEAT PUMP APPLICATION.
- 1" CONDENSATE PIPE RISER WITHIN STUD CAVITY. TERMINATE IN LEVEL 1 AT NEAREST RECEPTACLE PROVIDED BY PLUMBING CONTRACTOR. TERMINATE WITH CODE COMPLIANT AIR GAP. SLOPE ALL HORIZONTAL RUNS OF CONDENSATE AT 1/8"1'-0".
- PROVIDE FIRE DAMPER AT THE SUPPLY DUCT AIR PENETRATION INTO CEILING PLENUM.
- LOWELED PANEL. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.
- PROVIDE CEILING RADIANT DAMPERS LISTED AT A 2-HR RATING FOR EACH CEILING PENETRATION.
- DRYER EXHAUST PIPE DOWN TO RECESSED DRYER VENT BOX. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

MECHANICAL GENERAL NOTES

- COORDINATE DUCTWORK WITH TRUSS OPENINGS AND TRUSS SPACING. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.

ALL REPORTS, PLANS, SPECIFICATIONS AND COMPUTER FILES RELATING TO THIS PROJECT ARE THE PROPERTY OF THE MARTIN ARCHITECTURAL GROUP. THE MARTIN ARCHITECTURAL GROUP RESERVES ALL COMMON LAW, STATUTE AND OTHER RESERVED RIGHTS INCLUDING THE COPY RIGHT THEREIN. REPRODUCTION OF THE MATERIAL HEREIN OR SUBSTANTIAL USE WITHOUT WRITTEN PERMISSION OF THE MARTIN ARCHITECTURAL GROUP VIOLATES THE COPYRIGHT LAWS OF THE UNITED STATES AND WILL BE SUBJECT TO LEGAL PROSECUTION.
© The Martin Architectural Group, P.C.

THE MARTIN ARCHITECTURAL GROUP, P.C.
ARCHITECTS AND LAND PLANNERS
A PROFESSIONAL CORPORATION
240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
P (215) 665-1066 F (215) 561-5064

P.A.: JTG
P.M.: TRT
DRAWN BY: AAK
PROJECT NO: 1022747

NO.	REVISION	DATE
1	PERMIT SET	12/28/2022

Project Status

MECHANICAL - UNIT PLANS
Granite Run Apartments
MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
DATE: 12/19/22

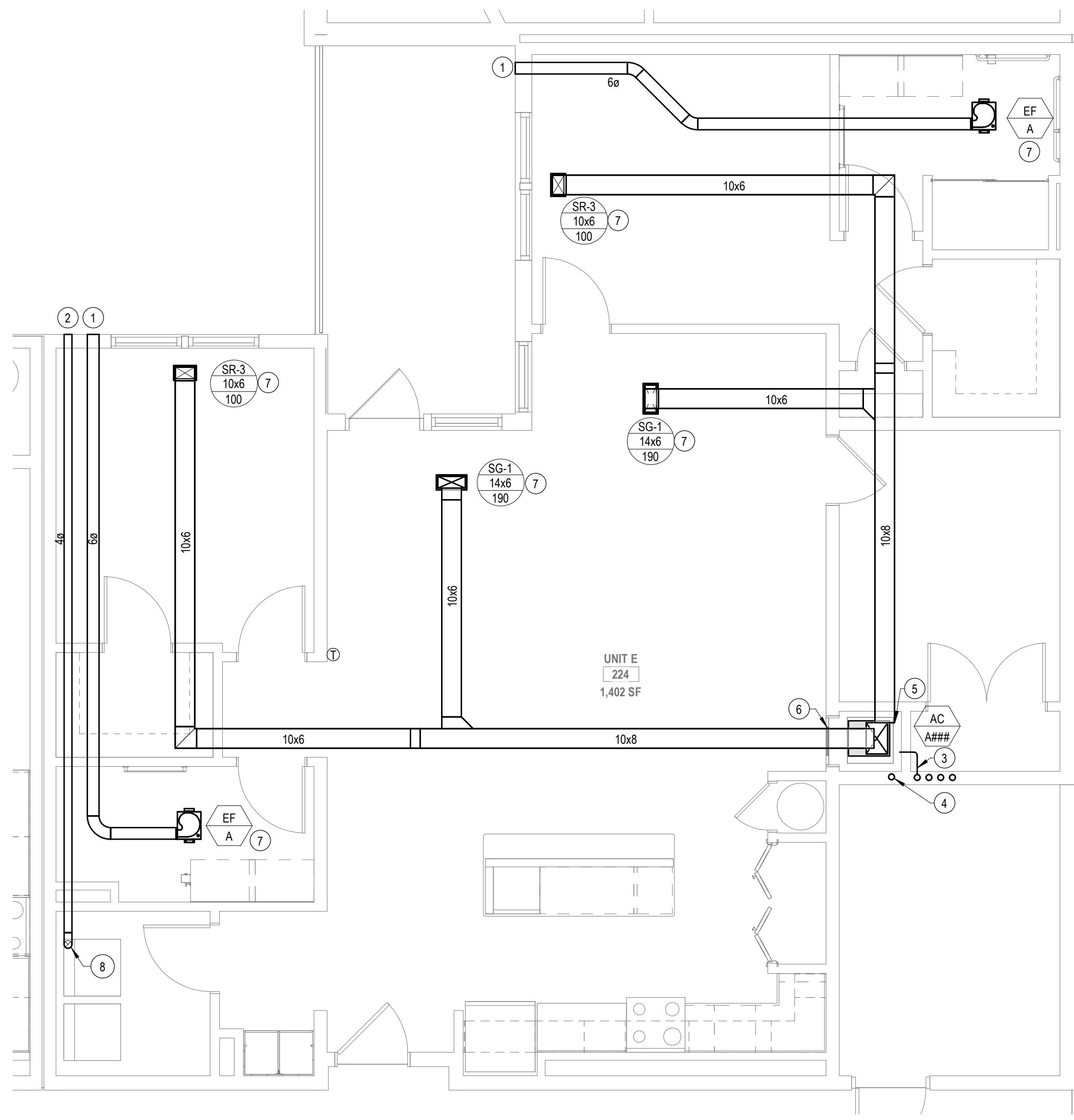
M6.04
© The Martin Architectural Group, P.C.

MECHANICAL DRAWING NOTES

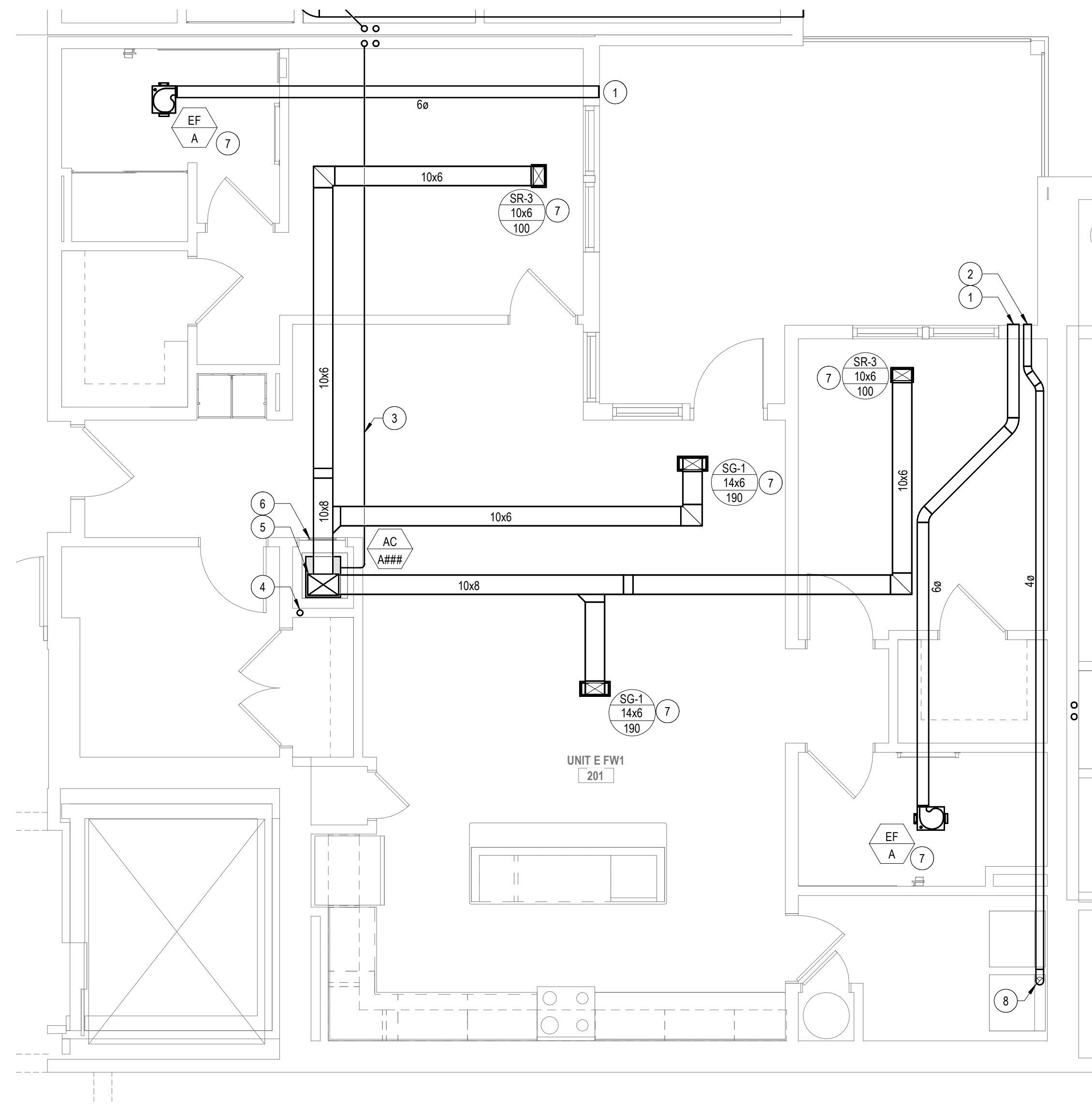
- 6" TOILET EXHAUST DUCT TERMINATE AT THE FACADE WITH VENT CAPS. REFER TO ARCHITECTURAL DRAWINGS FOR TERMINATION.
- 4" DRYER EXHAUST AT FACADE WITH DRYERWALL/VENT LOW-PROFILE TERMINATION. COORDINATE FINISH COLOR WITH ARCHITECT.
- LINE REPRESENTS REFRIGERANT PATHWAY ONLY. EACH AC UNIT SHALL BE CONNECTED TO THE CONDENSING UNIT WITH TWO (2) REFRIGERANT PIPES. REFRIGERANT PIPING SHALL BE SIZED PER THE MANUFACTURERS REQUIREMENTS. TYPICAL FOR ALL PIPING BETWEEN CONDENSING UNITS AND EVAPORATORS IN HEAT PUMP APPLICATION.
- 1" CONDENSATE PIPE RISER WITHIN STUD CAVITY. TERMINATE IN LEVEL 1 AT NEAREST RECEPTACLE PROVIDED BY PLUMBING CONTRACTOR. TERMINATE WITH CODE COMPLIANT AIR GAP. SLOPE ALL HORIZONTAL RUNS OF CONDENSATE AT 1/8"=1'-0".
- PROVIDE FIRE DAMPER AT THE SUPPLY DUCT AIR PENETRATION INTO CEILING PLENUM.
- LOWVERED PANEL. REFER TO ARCHITECTURAL DRAWINGS FOR FURTHER INFORMATION.
- PROVIDE CEILING RADIANT DAMPERS LISTED AT A 2-HR RATING FOR EACH CEILING PENETRATION.
- DRYER EXHAUST PIPE DOWN TO RECESSED DRYER VENT BOX. REFER TO ARCHITECTURAL PLANS FOR DETAILS.

MECHANICAL GENERAL NOTES

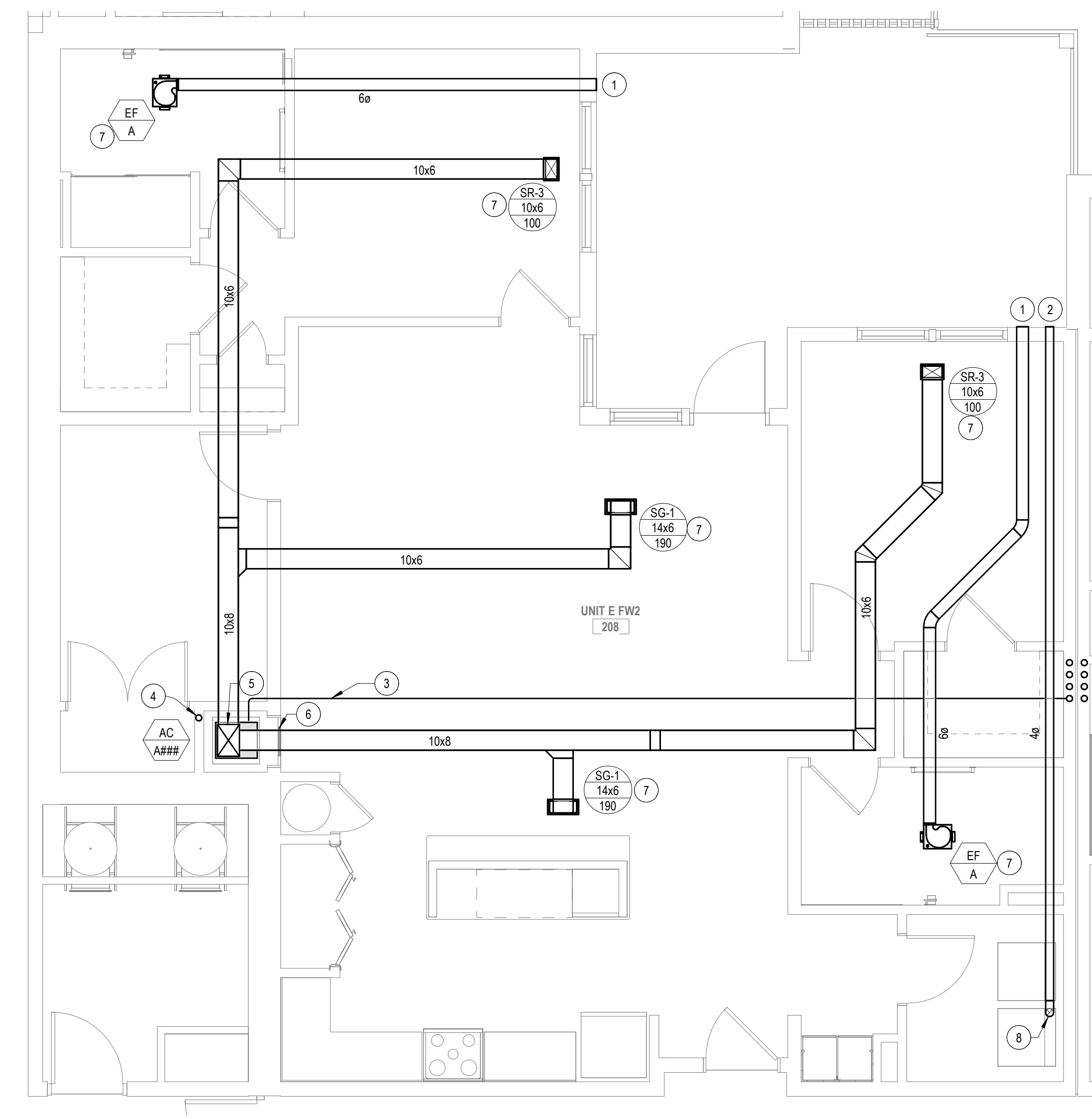
- COORDINATE DUCTWORK WITH TRUSS OPENINGS AND TRUSS SPACING. REFER TO STRUCTURAL DRAWINGS FOR FURTHER INFORMATION.



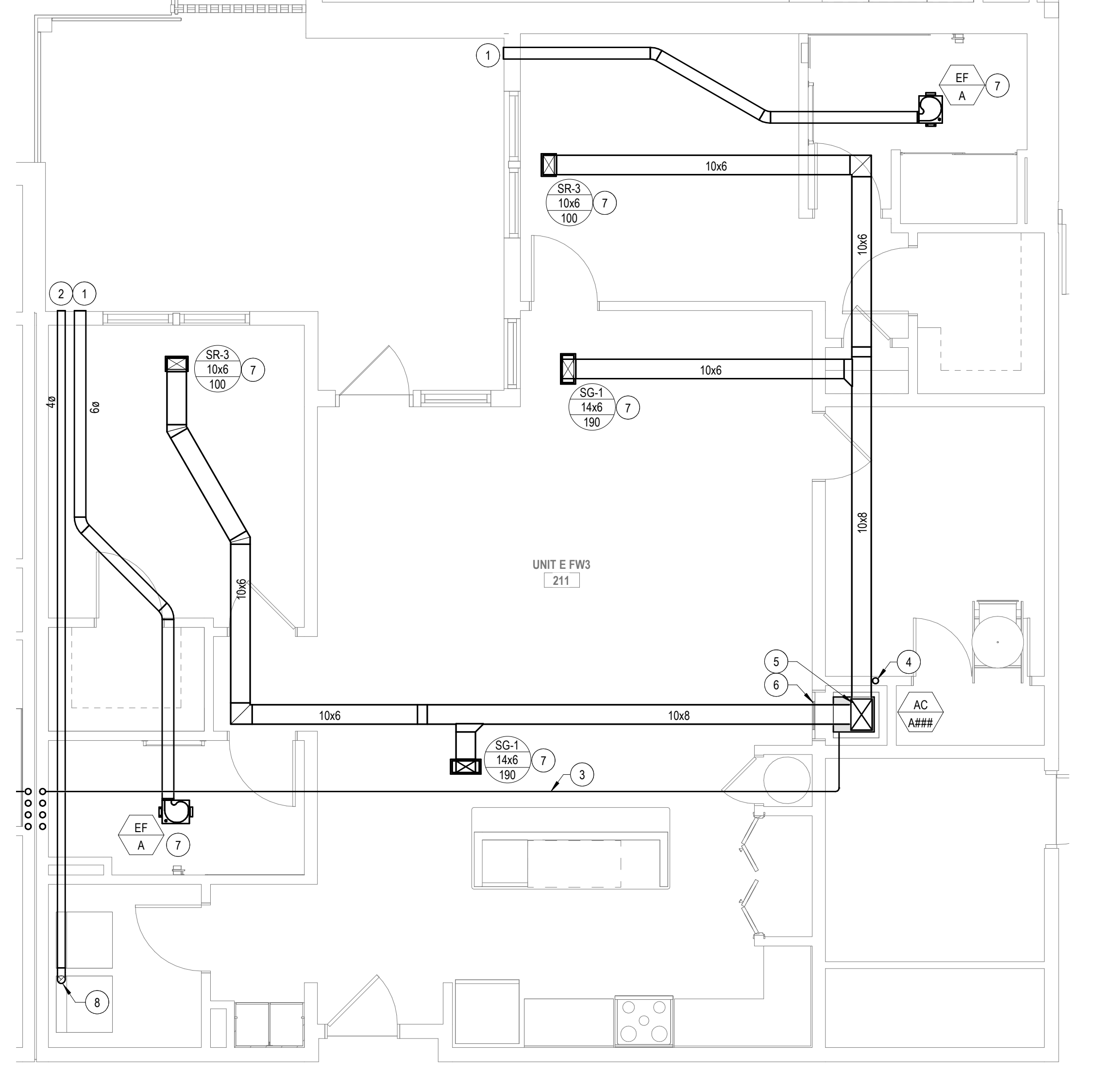
1 MECHANICAL - UNIT - E PLAN
 1/4" = 1'-0"



2 MECHANICAL - UNIT - E (FW-1) PLAN
 1/4" = 1'-0"



3 MECHANICAL - UNIT - E (FW-2) PLAN
 1/4" = 1'-0"



4 MECHANICAL - UNIT - E (FW-3) PLAN
 1/4" = 1'-0"

THE MARTIN ARCHITECTURAL GROUP, P.C.
 ARCHITECTS AND LAND PLANNERS
 A PROFESSIONAL CORPORATION
 240 NORTH 22ND STREET, PHILADELPHIA, PA, 19103
 P (215) 665-1060 F (215) 561-5064

P.A.: JTG
 P.M.: TRT
 DRAWN BY: AAK
 PROJECT NO: 1022747

NO.	REVISION	DATE
1	PERMIT SET	12/28/2022

Project Status

MECHANICAL - UNIT PLANS
Granite Run Apartments
 MIDDLETOWN TOWNSHIP, PA

SCALE: AS INDICATED
 DATE: 12/19/22

M6.05
 © The Martin Architectural Group, P.C.

