

MECHANICAL ABBREVIATIONS	
ABBREVIATION	DEFINITION
A/C	ABOVE CEILING
AD	ACCESS DOOR
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
ARCH	ARCHITECT
B/F	BELOW FLOOR
BAS	BUILDING AUTOMATION SYSTEM
BD	BACKDRAFT DAMPER
BEL	BELOW
BOD	BOTTOM OF DUCT
BTUH	BRITISH THERMAL UNIT/HOUR
C	CONVECTOR
CAP	CAPACITY
CD	CEILING DIFFUSER
CF	CUBIC FEET
CFM	CUBIC FEET PER MINUTE
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CLG	CEILING
CO	CLEANOUT
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUATION
CP	CONDENSATE PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
D	CONDENSATE DRAIN
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROLS
DG	DOOR GRILLE
DIA	DIAMETER (Ø)
DIFF	DIFFUSER
DN	DOWN
DWGS	DRAWINGS
EA	EACH
EAT	ENTERING AIR TEMPERATURE
EG	EXHAUST GRILLE
ELEC	ELECTRICAL
ENG	ENGINEER
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
ETR	EXISTING TO REMAIN
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXTG	EXISTING
FA	FREE AREA
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FLEX	FLEXIBLE
FLR	FLOOR
FOD	FACE OPERATED DAMPER
FPM	FEET PER MINUTE
FSD	FIRE/SMOKE DAMPER
FT	FEET
GAL	GALLONS
GC	GENERAL CONTRACTOR
GPM	GALLONS PER MINUTE
GR	GRILLE
HD	HEAD (FT WC)
HP	HORSEPOWER
HR	HOUR
HVAC	HEATING, VENTILATION AND AIR CONDITIONING
HWR	HOT WATER RETURN
HWS	HOT WATER SUPPLY
IN	INCHES
KW	KILOWATT
L&S	LOUVER & SCREEN
LAT	LEAVING AIR TEMPERATURE
LBG	LINEAR BAR GRILLE
LBS	POUNDS
LD	LINEAR DIFFUSER
LDR	LINEAR DIFFUSER RETURN
LF	LINEAR FEET
LSD	LINEAR SLOT DIFFUSER
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTU/HOUR
MD	MANUAL DAMPER
MIN	MINIMUM
MOD	MOTOR OPERATED DAMPER
MOV	MOTOR OPERATED VALVE
MTD	MOUNTED
N.C.	NORMALLY CLOSED
N.O.	NORMALLY OPEN
N/A	NOT APPLICABLE
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NOM	NOMINAL
NPSHA	NET POSITIVE SUCTION HEAD AVAIL
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OSD	OPPOSED BLADE DAMPER
OC	ON CENTERS
OPNG	OPENING
PH	ELECTRICAL PHASE
PIU	POWERED INDUCTION UNIT
PLBG	PLUMBING
PRV	PRESSURE REDUCING VALVE
PSIA	POUNDS PER SQ. IN. ABSOLUTE
PSIG	POUNDS PER AQ. IN. GAUGE
R	REFRIGERANT PIPING
RH	RELATIVE HUMIDITY
RA	RETURN AIR
RD	ROUND DIFFUSER
REG	REGISTER
RG	RETURN AIR GRILLE
RL	REFRIGERANT LIQUID
RPM	ROTATIONS PER MINUTE
RR	RETURN AIR REGISTER
RS	REFRIGERANT SUCTION
SA	SUPPLY AIR
SD	SMOKE DETECTOR
SF	SQUARE FEET
SG	SUPPLY GRILLE
SP	STATIC PRESSURE (IN. W.G.)
SPEC	SPECIFICATION
SQ	SQUARE
SR	SUPPLY REGISTER
SS	STAINLESS STEEL
STR	STRUCTURAL
TAB	TEST AND BALANCE
TE	TOILET EXHAUST
TG	TRANSFER GRILLE
THRU	THROUGH
TOD	TOP OF DUCT
TRANS	TRANSITION
TSTAT	THERMOSTAT
TYP	TYPICAL
UC	UNDERCUT
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY
W/	WITH
W/O	WITHOUT
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
°F	DEGREES FAHRENHEIT
ΔP	PRESSURE DROP

NOTE: THESE ARE STANDARD ABBREVIATIONS. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.

DUCTWORK SYMBOLS	
SYMBOL	DESCRIPTION
	SUPPLY, VENTILATION, OUTSIDE AIR DUCTWORK SECTION
	RETURN OR TRANSFER AIR DUCTWORK SECTION
	EXHAUST OR RELIEF AIR DUCTWORK SECTION
	EXISTING DUCTWORK
	EXISTING DUCTWORK TO BE DEMOLISHED
	NEW DUCTWORK
	LINED DUCTWORK
	DUCTWORK END CAP
	RECTANGULAR DUCTWORK DIMENSIONS
	ROUND DUCTWORK DIMENSIONS
	OVAL DUCTWORK DIMENSIONS
	SUPPLY DIFFUSER
	RETURN DIFFUSER
	EXHAUST DIFFUSER
	FLEXIBLE DUCT
	MITERED ELBOW (W/ TURNING VANES)
	RADIUS ELBOW
	THERMOSTAT
	HUMIDISTAT
	SENSOR
	MANUAL / VOLUME DAMPER
	BACKDRAFT DAMPER
	MOTORIZED DAMPER
	FIRE DAMPER
	MOTOR OPERATED FIRE SMOKE DAMPER
	SMOKE DAMPER
	DUCT SMOKE DETECTOR
	AIR DISTRIBUTION TAG; SIZE, DEVICE TYPE, CFM
NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.	

PIPING SYMBOLS	
SYMBOL	DESCRIPTION
	PIPE SIZE AND SYSTEM (SEE ABBREVIATIONS FOR SYSTEM TYPES)
	PIPE SIZE AND SYSTEM (SEE ABBREVIATIONS FOR SYSTEM TYPES)
	CONDENSATE DRAIN
	CONDENSER WATER SUPPLY
	CONDENSER WATER RETURN
	CHILLED WATER SUPPLY
	CHILLED WATER RETURN
	REFRIGERANT LINE
	GATE VALVE
	BALL VALVE
	BUTTERFLY VALVE
	CHECK VALVE
	PRESSURE REDUCING VALVE (PRV)
	STRAINER
	2-WAY CONTROL VALVE
	3-WAY CONTROL VALVE
	GAUGE COCK
	PIPE TURNING UP
	PIPE TURNING DOWN
	PIPE CONNECTION AT BOTTOM OF MAIN
	PIPE CAP
	PIPE UNION
	PIPE FLANGE
	PETES PLUG
	THERMOMETER
	PRESSURE GAUGE
	PUMP
	EXISTING PIPING
	NEW PIPING
	PIPING TO BE DEMOLISHED
NOTE: THIS IS A STANDARD LEGEND. ALL ITEMS MAY NOT APPEAR ON DRAWINGS.	

GENERAL SYMBOLS	
	CONNECT TO EXISTING
	NORTH ARROW
	DRAWING REVISION TAG
	KEYED NOTE
	PLAN OR DETAIL NUMBER
	SHEET NUMBER

SHEET LIST	
SHEET NUMBER	SHEET NAME
M-001	MECHANICAL GENERAL
M-002	MECHANICAL DETAILS
M-003	MECHANICAL SCHEDULES
M-141-A	MECHANICAL PLAN - FIRST FLOOR - AREA A
M-141-B	MECHANICAL PLAN - FIRST FLOOR - AREA B
M-142-A	MECHANICAL PLAN - SECOND FLOOR - AREA A
M-142-B	MECHANICAL PLAN - SECOND FLOOR - AREA B
M-143-A	MECHANICAL PLAN - THIRD FLOOR - AREA A
M-143-B	MECHANICAL PLAN - THIRD FLOOR - AREA B
M-144-A	MECHANICAL PLAN - FOURTH FLOOR - AREA A
M-145-A	MECHANICAL PLAN - ROOF - AREA A
M-145-B	MECHANICAL PLAN - ROOF - AREA B
M-470	MECHANICAL PLAN - UNIT A
M-471	MECHANICAL PLAN - UNIT A1
M-472	MECHANICAL PLAN - UNIT B
M-473	MECHANICAL PLAN - UNIT B1
M-474	MECHANICAL PLAN - UNIT C
M-475	MECHANICAL PLAN - UNIT D
M-476	MECHANICAL PLAN - UNIT D1
M-477	MECHANICAL PLAN - UNIT D2
M-478	MECHANICAL PLAN - UNIT E
M-479	MECHANICAL PLAN - UNIT E1
M-480	MECHANICAL PLAN - UNIT E2
M-481	MECHANICAL PLAN - UNIT F
M-482	MECHANICAL PLAN - UNIT G

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2100 RiverEdge Parkway
Suite 900
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PH: 770 916 2220
FAX: 770 916 2299

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DESIGN
DEVELOPMENT

Project No.: 2021009
Date: 08/22/2025

salasobrien.com

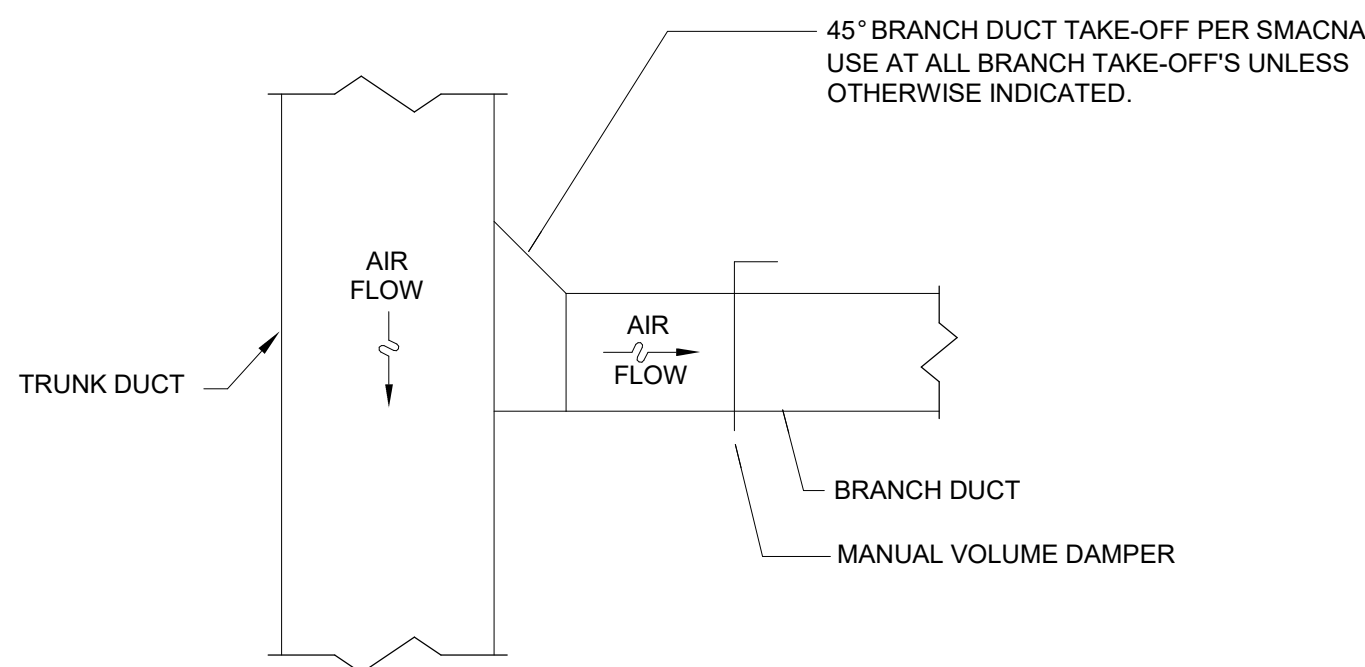
Atlanta
3200 Windy Hill Road, SE, Suite 200E
Atlanta, GA 30339

Project Number: 2024-03276

MECHANICAL
GENERAL

M-001

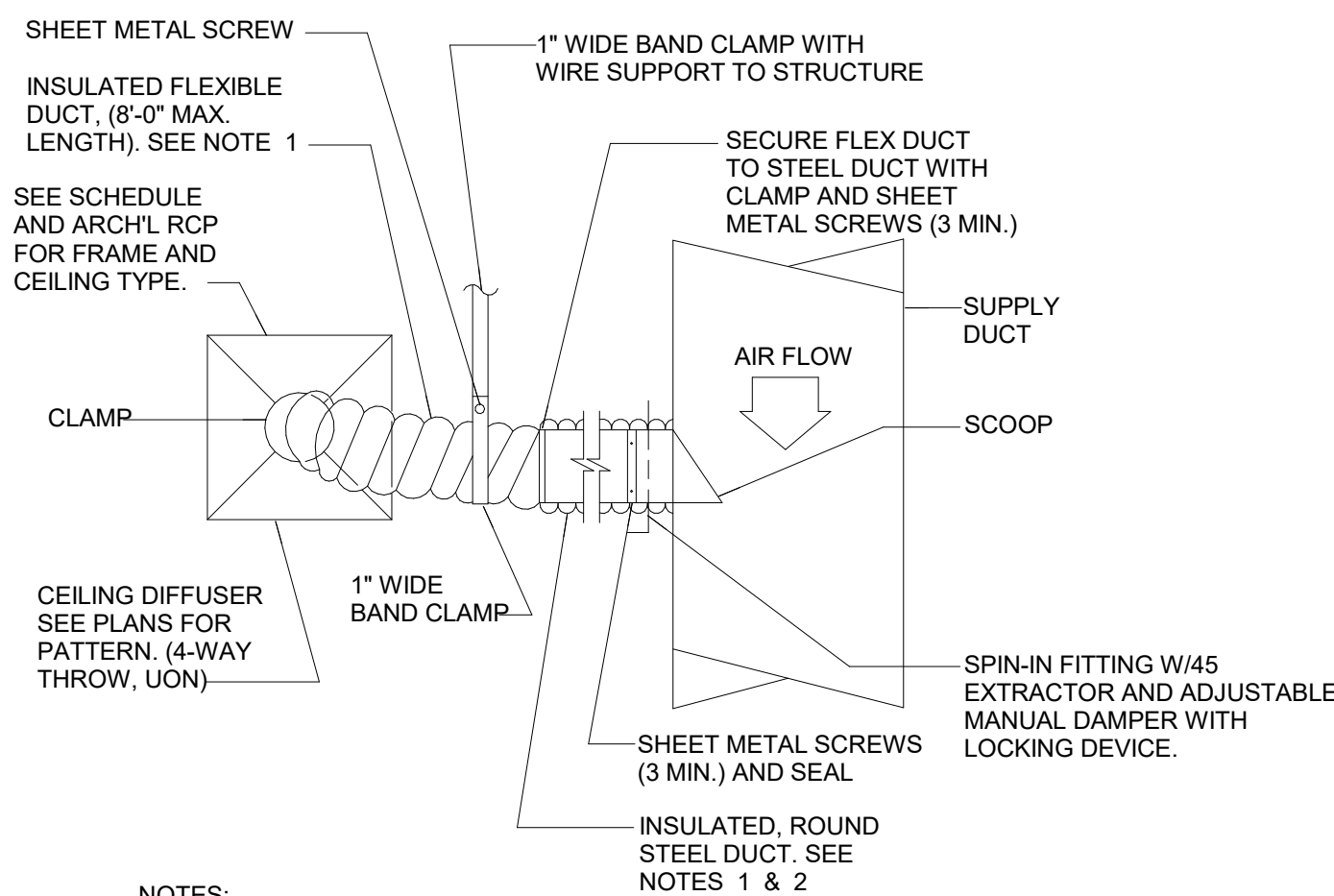
Autodesk Docs://MCP - Stage 2 - MC_AL_LU2024-03276 - MEP - Lvt



NOTES:
1. REFER TO PLANS FOR DUCT SIZES.

1 TYPICAL BRANCH DUCT TAKE-OFF DETAIL

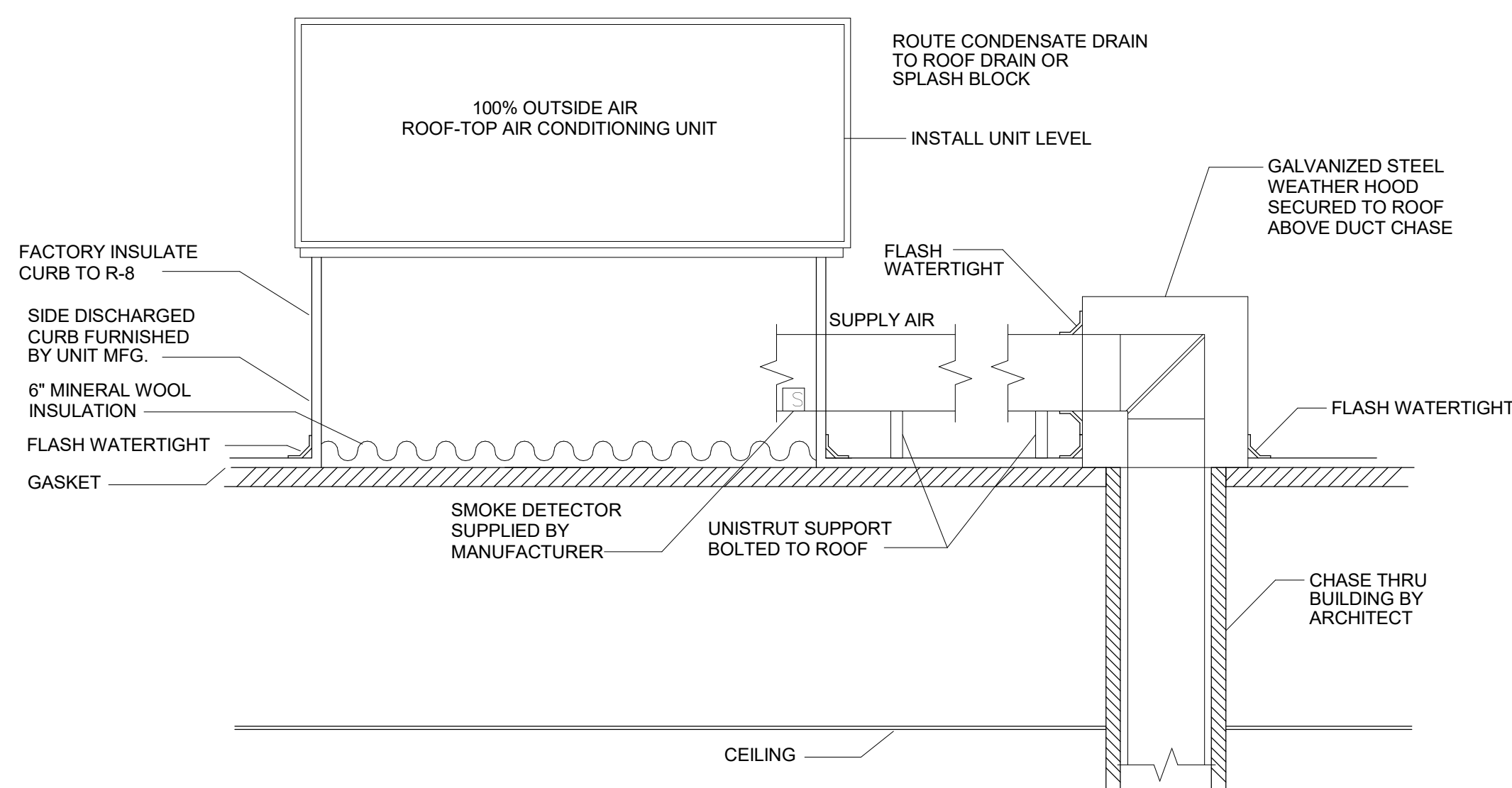
M-002 NOT TO SCALE



NOTES:
1. RUNOUTS TO DIFFUSERS SHALL BE SIZED TO MATCH THE DEVICE NECK UNLESS OTHERWISE NOTED ON PLANS.
2. PROVIDE INSULATED ROUND STEEL DUCT AS REQUIRED TO MAINTAIN MAX. 8 FT. FLEX. DUCT LENGTH.

2 TYPICAL BRANCH DUCT TAKE-OFF DETAIL

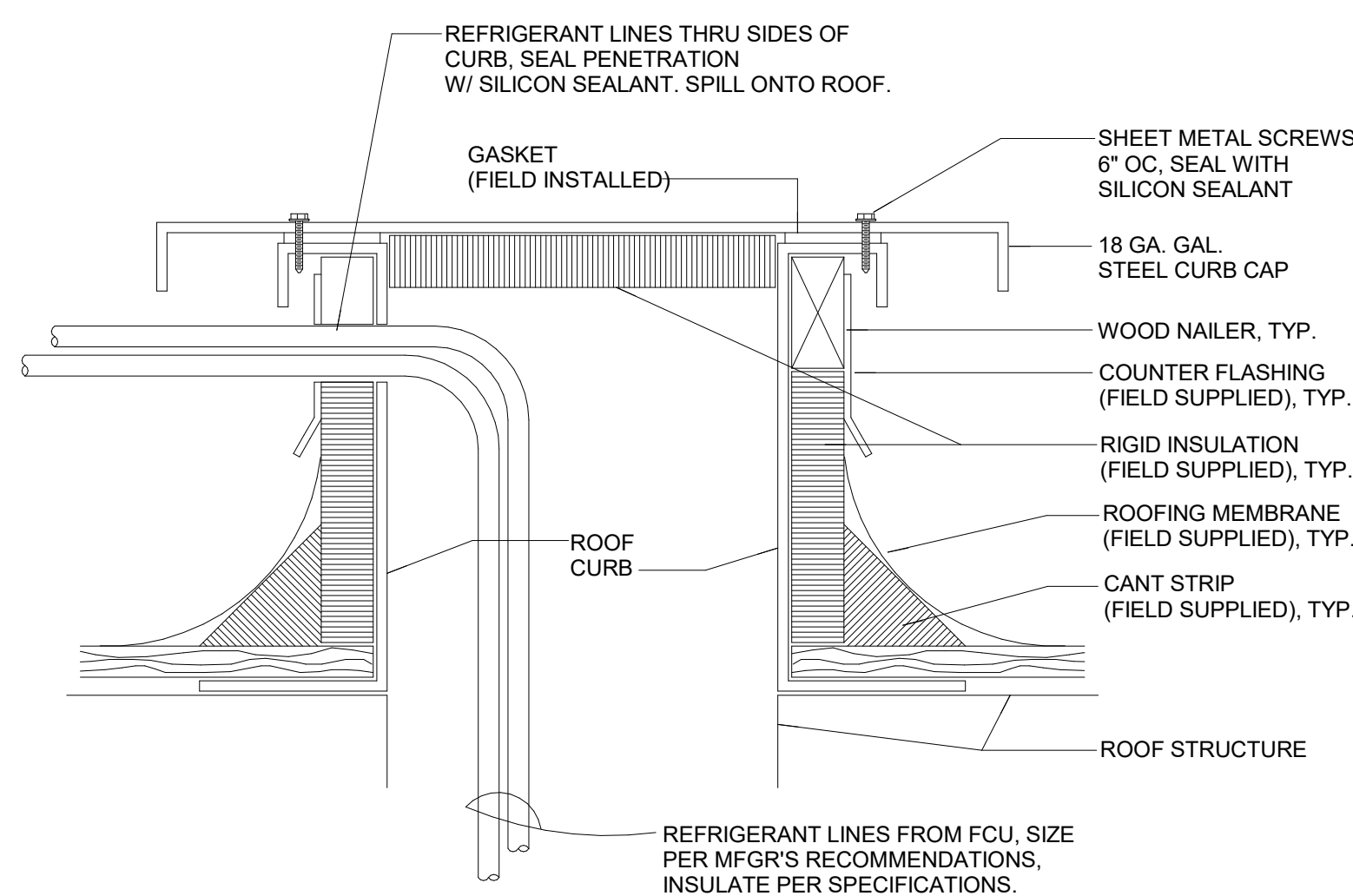
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PER FMC 606.4, DUCT SMOKE DETECTORS SHALL SHUT DOWN THE AIR DISTRIBUTION SYSTEM UPON ACTIVATION.
PER FMC 606.4.1, DUCT SMOKE DETECTORS TO BE CONNECTED TO THE BUILDING FIRE ALARM PANEL. IF THE OCCUPANCY DOES NOT REQUIRE A FIRE ALARM PANEL, THE ACTIVATION OF DUCT SMOKE DETECTORS SHALL ACTIVATE AN AUDIBLE AND VISIBLE SIGNAL IN AN APPROVED LOCATION. SIGNAL TO BE IDENTIFIED AS "AIR DUCT TROUBLE".

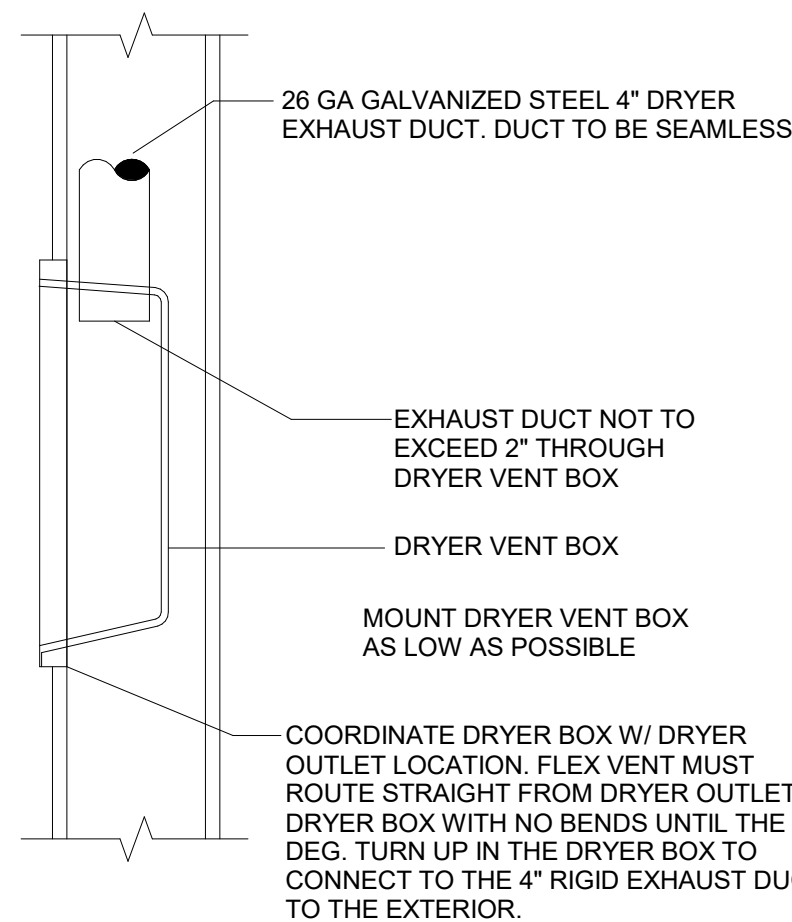
4 DEDICATED OUTSIDE AIR UNIT DETAIL

M-002 NOT TO SCALE



7 REFRIGERANT PIPING ROOF PENETRATION DETAIL

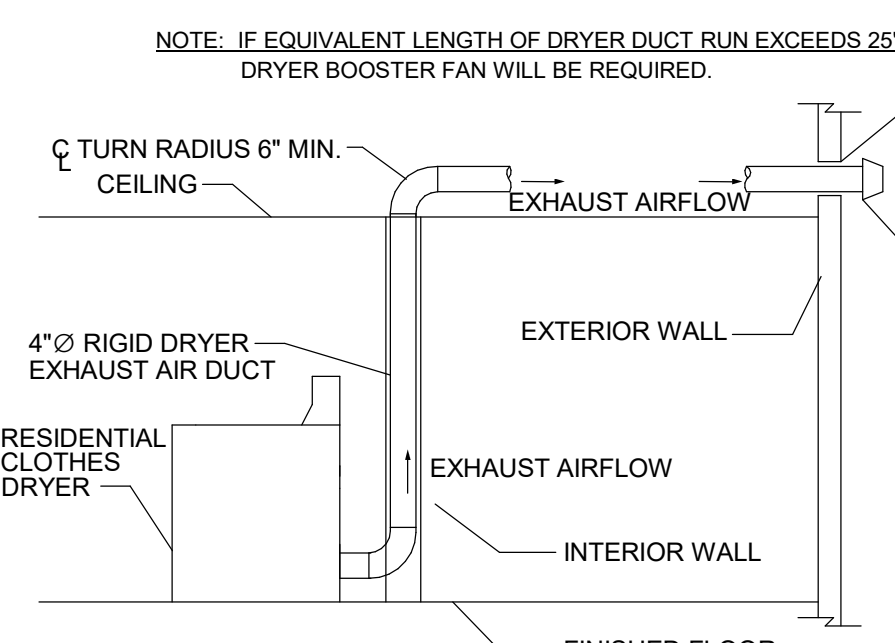
M-002 NOT TO SCALE



NOTES:
1. INSTALL DRYER VENT BOX PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. DRYER VENT BOXES SHALL BE DRYERBOX MODEL 425 (UPWARD EXHAUST) OR EQUAL.

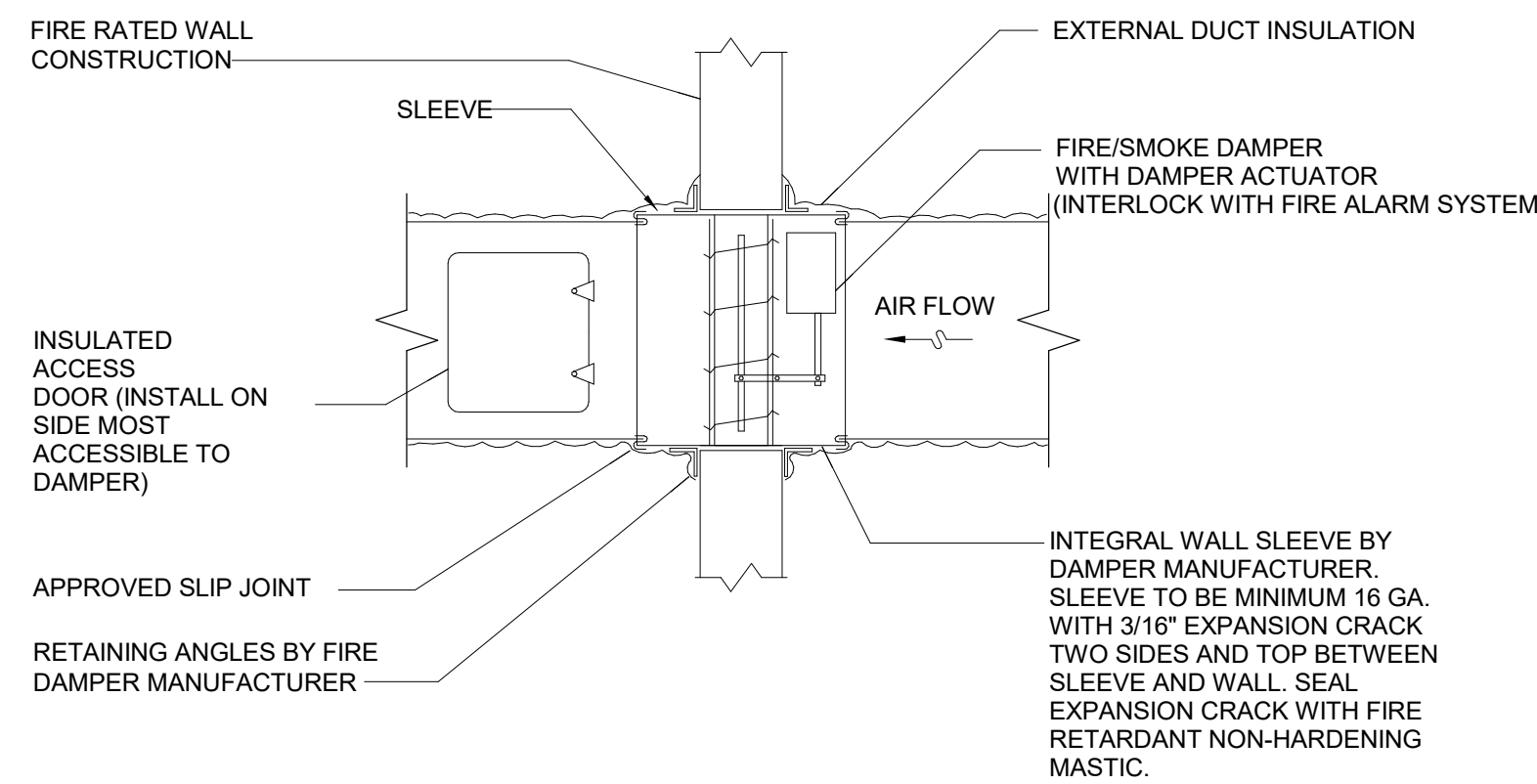
8 DRYER VENT BOX DETAIL

M-002 NOT TO SCALE



9 DRYER VENT TO WALL DETAIL

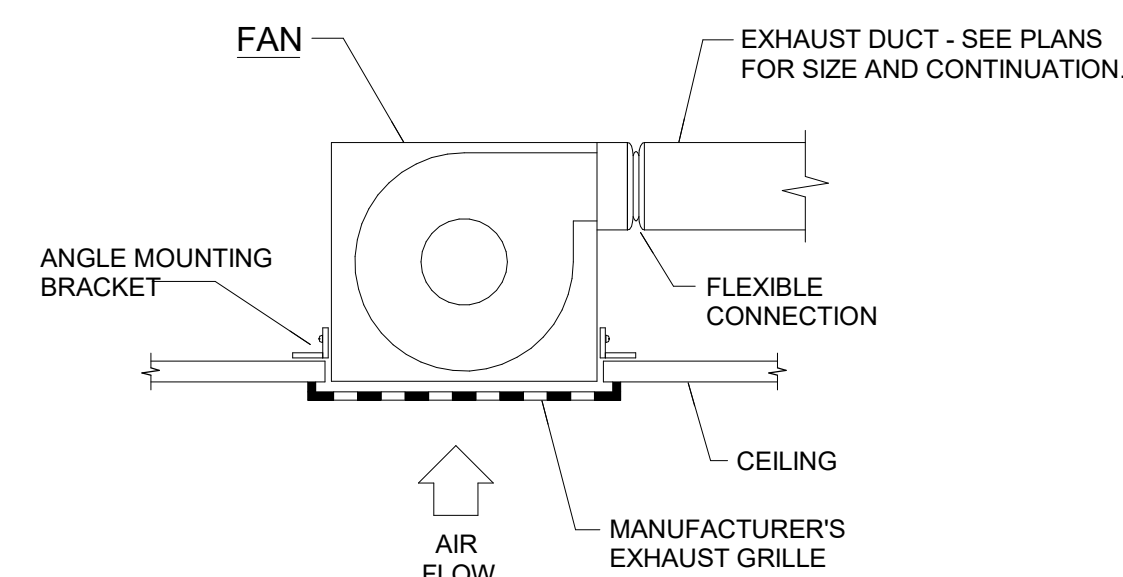
M-002 NOT TO SCALE



3 VERTICAL FIRE/SMOKE DAMPER DETAIL

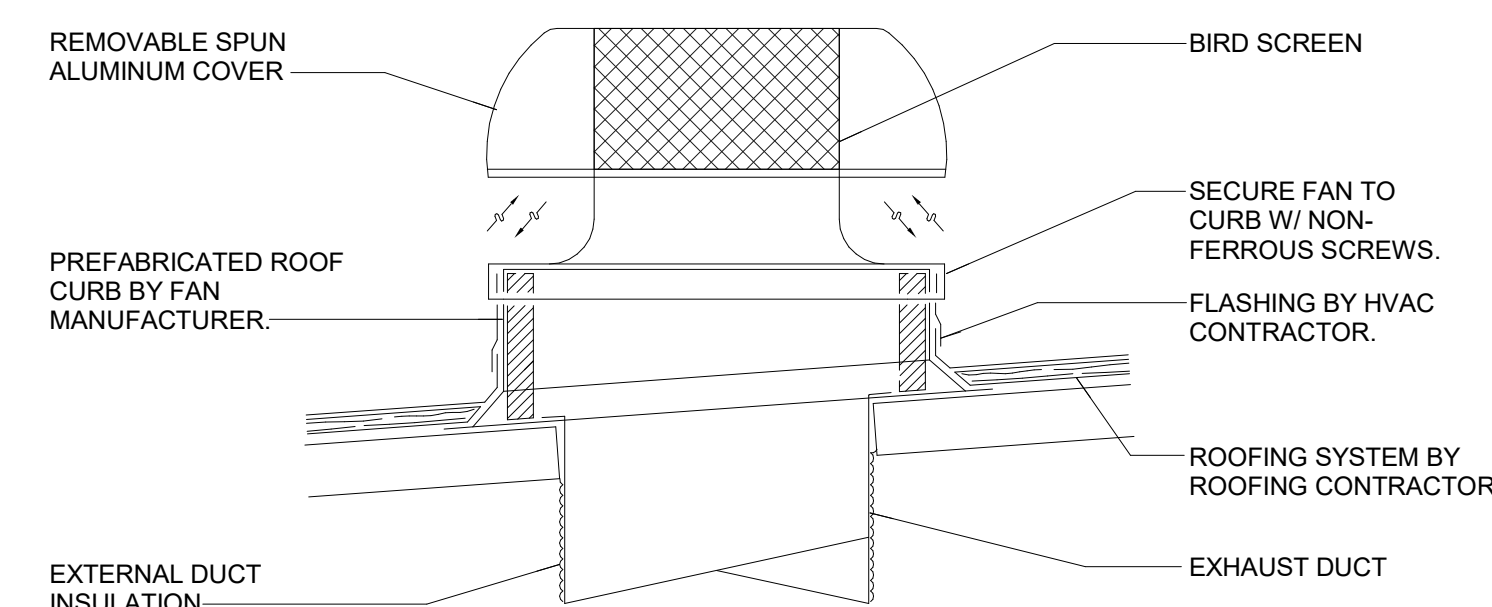
M-002 NOT TO SCALE

NOTES:
1. MANUFACTURER'S INSTALLATION INSTRUCTIONS SHALL BE MADE AVAILABLE TO THE INSPECTING AUTHORITY.
2. FIRE/SMOKE DAMPERS SHALL BE RUSKIN SERIES FSD-60 OR EQUAL, EXCEPT WHERE OTHERWISE NOTED. FIRE/SMOKE DAMPERS MUST COMPLY WITH U.L. STANDARD 555 AND 555S AND BE INSTALLED STRICTLY PER MANUFACTURER'S U.L. LISTED PRINTED INSTRUCTIONS. PROVIDE SLEEVE TYPE INSTALLATION AT ALL CONTINUOUS DUCTED WALL PENETRATIONS AND GRILLE INSTALLATION AT ALL SIDEWALL PENETRATIONS.
3. THIS DETAIL IS FOR REFERENCE ONLY. INSTALLATION SHALL BE IN STRICT COMPLIANCE WITH U.L. LISTING AND MANUFACTURER'S INSTRUCTIONS.
4. INSTALL ACCESS DOOR(S) AS REQUIRED TO PROVIDE UNIMPEDED ACCESS FOR MAINTENANCE AND INSPECTION OF FSD'S FUSIBLE LINKS AND ACTUATORS. WHERE DAMPER HAS MULTIPLE FUSIBLE LINKAGE ASSEMBLIES, PROVIDE ACCESS TO EACH (DOORS MAY BE COMBINED, AND SIZED ACCORDINGLY, WHERE POSSIBLE).
5. INSTALL FIRE ALARM RELAY AND MOTOR/ACTUATOR ON SAME SIDE OF FIRE/SMOKE DAMPER. PERMANENTLY MARK ROTATING ASSEMBLY (SHAFT) TO INDICATE DAMPER POSITION FROM DEVICE EXTERIOR.
6. DAMPER ACTUATOR SHALL HAVE 120V/1PH POWER CONNECTION UNLESS NOTED OTHERWISE.



6 CEILING MOUNTED CABINET FAN DETAIL

M-002 NOT TO SCALE

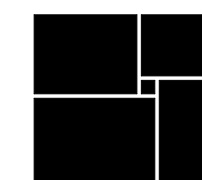


10 ROOF HOOD DETAIL

M-002 NOT TO SCALE

NO.	DATE	DESCRIPTION
08/22/25	DESIGN DEVELOPMENT	

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DESIGN
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Project No.: 2021009
Date: 08/22/2025

MECHANICAL
DETAILS

M-002

Salas O'Brien

salasobrien.com
Atlanta
3200 Windy Hill Road, SE, Suite 200E
Atlanta, GA 30339

Project Number: 2024-03276

8/22/2025 4:10:39 PM

						DEDICATED OUTSIDE AIR UNIT SCHEDULE																													
UNIT NUMBER	SERVICE	LOCATION	TYPE	OUTDOOR A/R (CFM)	FAN DATA									DX COOLING COIL							ELECTRIC HEAT							POWER CONNECTION				SELECTION BASED ON	REMARKS		
					FAN DATA		FAN MOTOR DATA				TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	AIR SIDE DATA				COMPRESSOR			TOTAL CAPACITY (MBH)	HOT GAS REHEAT														
					CFM	EXTERNAL S.P. (N.W.G.)	RPM	HP	VOLTS	PHASE	EAT (°F) DB WB DB WB	LAT (°F) DB (°F)	FAGES	QUANTITY	REFRIG.	EAT (°F) DB WB DB WB	LAT (°F) DB WB	PRESSURE DROP	SIZE (KW)	STAGES	EDB (°F)	LDB (°F)	VOLTS	PHASE	I.EER	ISMRE	WEIGHT (LBS)								
DOAS-A	OUTSIDE AIR	ROOF	HORIZONTAL DISCHARGE	2960	2960	1.5	#	#	208	3	#	#	84	79.5	53.0	#	95	INVERTER	#	#	#	#	#	-	-	#	#	#	208	3	#	-	#	DAIKIN - REBEL	(1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)(16)(17)(18)(19)(20)
DOAS-B	OUTSIDE AIR	ROOF	HORIZONTAL DISCHARGE	1830	1830	1.5	#	#	208	3	#	#	84	79.5	53.0	#	95	INVERTER	#	#	#	#	#	-	-	#	#	#	208	3	#	-	#	DAIKIN - REBEL	(1)(2)(3)(4)(5)(6)(7)(8)(9)(10)(11)(12)(13)(14)(15)(16)(17)(18)(19)(20)

- 6 INVERTER COMPRESSORS FOR MODULATING CAPACITY AND DISCHARGE AIR TEMPERATURE CONTROL (DIGITAL SCROLL NOT ALLOWED).
- 7 MANUFACTURER TO PROVIDE A SUPPLY AIR SIDE DISCHARGE OPENING.
- 8 MODULATING HOT GAS REHEAT FOR DEHUMIDIFICATION CONTROL.
- 9 PROVIDE OUTSIDE AIR DEW-POINT SENSOR.
- 10 PROVIDE SPACE TEMPERATURE SENSOR FOR SUPPLY AIR TEMPERATURE RESET.

- 11 DIRECT DRIVE PLENUM SUPPLY WITH VARIABLE SPEED CONTROL.
- 12 STAINLESS STEEL DRAIN PAN.
- 13 PROVIDE INTEGRAL DISCONNECT SWITCH.
- 14 SMOKE DETECTOR FOR THE SUPPLY SHALL BE FACTORY PROVIDED.
- 15 PROVIDE CONDENSER FANS WITH ENERGY COMMUTATED MOTOR (ECM)

- | | |
|----|---|
| 16 | PROVIDE 2" MERV-8 PRE-FILTERS AND 4" MERV-14 FILTERS. |
| 17 | PROVIDE AND INSTALL TEMPERATURE SENSOR BETWEEN COOLING AND HOT-GAS REHEAT COILS OR MEANS OF COIL TEMPERATURE MEASUREMENT VIA SUCTION PRESSURE SENSING |
| 18 | UNIT IS SELECTED BASED ON ASHRAE 0.4% SUMMER DESIGN TABLE. |
| 19 | R-32 A2L REFRIGERANT. |
| 20 | CONFIGURED FOR HORIZONTAL DISCHARGE. |

PACKAGED ROOFTOP AIR CONDITIONING UNIT SCHEDULE																							
UNIT NUMBER	SERVICE	OUTDOOR AIR (CFM)	FAN DATA		FAN MOTOR HP	DIRECT EXPANSION COOLING COIL					COMPRESSOR DATA		ELECTRIC HEATING COIL		FILTER EFFICIENCY (%)	SINGLE POINT POWER CONNECTION				SEER	SELECTION BASED ON	REMARKS	
			CFM	EXTERNAL (IN. W.G.)		SENSIBLE (MBH)	TOTAL (MBH)	EAT (°F)	FACE S.P. (FPM)	NO.	NO. OF STAGES	KW	NO. OF STAGES	MCA		MOCP	VOLTS	PHASE					
RTU-A	ELEVATOR	0	1200	0.5	XX	XX	XX	XX	XX	XX	1	1	XX	XX	XX	XX	XX	XX	208	3	14.0	DAIKIN - DSC036	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬
RTU-B	ELEVATOR	0	1200	0.5	XX	XX	XX	XX	XX	XX	1	1	XX	XX	XX	XX	XX	XX	208	3	14.0	DAIKIN - DSC036	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

- 6 DIRECT DRIVE PLENUM SUPPLY WITH VARIABLE SPEED CONTROL.
- 7 STAINLESS STEEL DRAIN PAN.
- 8 PROVIDE INTEGRAL DISCONNECT SWITCH.
- 9 PROVIDE POWERED CONVENIENCE OUTLET.
- 10 R-32 A2L REFRIGERANT.
- 11 CONFIGURED FOR HORIZONTAL DISCHARGE.

- 12 PROVIDE 7-DAY DIGITAL, PROGRAMMABLE THERMOSTAT WITH LOCK-OUT CAPABILITY
- 13 PROVIDE THRU-BASE ELECTRICAL CONNECTIONS.

DWELLING UNIT SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE																											
FAN COIL UNIT														AIR COOLED CONDENSING UNIT													
UNIT NUMBER	CFM	OA CFM	E.S.P. (N H2O)	FAN HP	D.X. COOLING COIL				REVERSE CYCLE				ELECTRIC HEATER KIT			SELECTION BASED ON	UNIT NUMBER	LOCATION	COND. EAT (°F)	COMPRESSOR DATA		SINGLE POINT POWER CONNECTION		SELECTION BASED ON	SEER2	HSPF2	REMARKS
					TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT (°F)		HEATING CAPACITY (MBH)	AIR TEMP	VOLTS	PHASE	HEATER SIZE (KW) ⑥	VOLTS	PHASE					NO.	NO. OF STAGES	VOLTS	PHASE				
							DB	WB																			
FCU-A	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-A1	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-B	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-B1	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-C	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-D	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-D1	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-D2	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-E	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-E1	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-E2	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-F	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧
FCU-G	800	100	0.5	#	22.9	17.8	74	63	22.0	47	208	1	3.0	208	1	DAIKIN - AMST24	HP-#	ROOF	95	1	1	208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- | | | | |
|---|---|---|------------------------------------|
| 4 | PROVIDE HAIL GUARDS. | 7 | PROVIDE COASTAL/CORROSIVE COATINGS |
| 5 | PROVIDE 7-DAY PROGRAMMABLE T-STAT. | 8 | R-32 A2L REFRIGERANT. |
| 6 | INDICATED HEATER CAPACITY IS THE OUTPUT AT 208V/1P. | | |

- 7 PROVIDE COASTAL/CORROSIVE COATINGS.
- 8 R-32 A2L REFRIGERANT.

FAN SCHEDULE											
UNIT NUMBER	LOCATION	FAN TYPE	CFM	STATIC PRESSURE (IN. W.G.)	FAN RPM	DRIVE	MOTOR DATA AT 60HZ			SELECTION BASED ON	REMARKS
							HP (W)	VOLTS	PHASE		
REF-A	ROOF	CEILING	350	0.4	#	DIRECT	1/10	115	1	GREENHECK - G-090-VG	(1) (3) (4) (5)
REF-B	ROOF	CEILING	300	0.4	#	DIRECT	(10)	115	1	GREENHECK - G-090-VG	(1) (3) (4) (5)
EF-A	RESTROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	(2) (3) (4) (5)
EF-1	ADA UNIT - BATHROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	(2) (3) (4) (5)
EF-2	ADA UNIT - BATHROOM	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	(2) (3) (4) (5)
EF-3	ADA UNIT - POWDER	CEILING	50	0.4	#	DIRECT	(10)	115	1	GREENHECK - SP-LP0511-1	(2) (3) (4) (5)

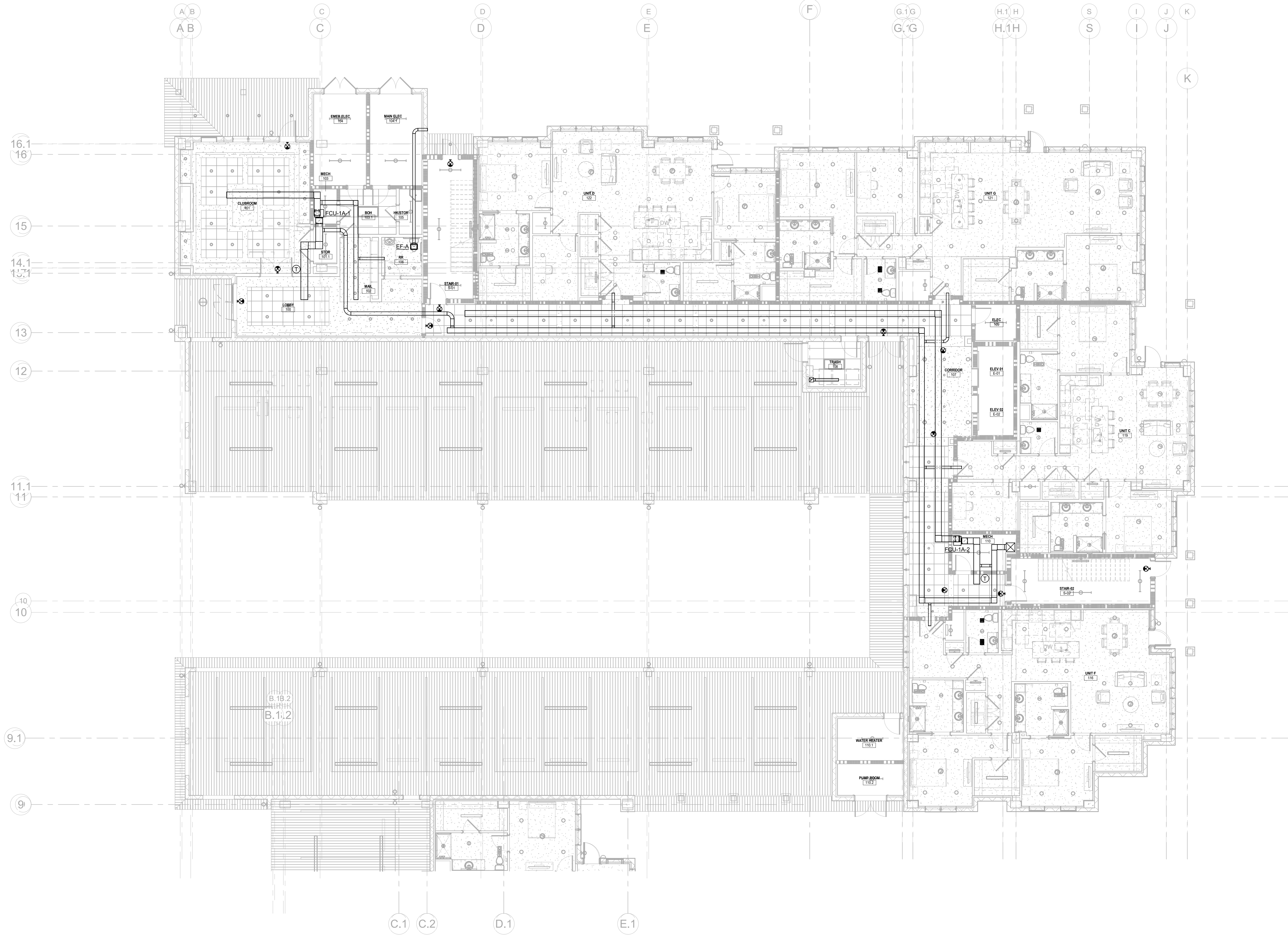
- | COMMON AREA SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----|--------|-----------------|--------|----------------------|-------------------------|----------|----|------------------------|----------|-------|-------|--------------------|----------------------------|----------|----------------|-----------------|---------------|-------------------------------|-------|--------------------|-------|-------|---------------|--|
| FAN COIL UNIT | | | | | | | | | | | | | | AIR COOLED CONDENSING UNIT | | | | | | | | | | | |
| UNIT NUMBER | CFM | QA CFM | E.S.P. (IN H2O) | FAN HP | D.X. COOLING COIL | | | | REVERSE CYCLE | | VOLTS | PHASE | SELECTION BASED ON | UNIT NUMBER | LOCATION | COND. EAT (°F) | COMPRESSOR DATA | | SINGLE POINT POWER CONNECTION | | SELECTION BASED ON | SEER2 | HSPF2 | REMARKS | |
| | | | | | TOTAL CAPACITY (MBH) | SENSIBLE CAPACITY (MBH) | EAT (°F) | | HEATING CAPACITY (MBH) | AIR TEMP | | | | | | | NO. | NO. OF STAGES | VOLTS | PHASE | | | | | |
| | | | | | | | DB | WB | | | | | | | | | | | | | | | | | |
| FCU-1A-1 | 800 | 170 | 0.5 | # | 22.9 | 17.8 | 74 | 63 | 22.0 | 47 | 208 | 1 | DAIKIN - AMST24 | HP-1A-1 | ROOF | 95 | 1 | | 208 | 1 | DAIKIN - DH4SEA24 | 15.2 | 7.8 | ① ② ③ ④ ⑤ ⑥ ⑦ | |
| FCU-1A-2 | 600 | 90 | 0.5 | # | 17.9 | 11.9 | 74 | 63 | 17.0 | 47 | 208 | 1 | DAIKIN - AMST24 | HP-1A-2 | ROOF | 95 | 1 | 1 | 208 | 1 | DAIKIN - DH4SEA18 | 15.2 | 7.8 | ① ② ③ ④ ⑤ ⑥ ⑦ | |
| FCU-2A-1 | 600 | 100 | 0.5 | # | 17.4 | 14.1 | 74 | 63 | 17.0 | 47 | 208 | 1 | DAIKIN - AMST24 | HP-2A-1 | ROOF | 95 | 1 | 1 | 208 | 1 | DAIKIN - DH4SEA18 | 15.2 | 7.8 | ① ② ③ ④ ⑤ ⑥ ⑦ | |
| FCU-3A-1 | 600 | 100 | 0.5 | # | 17.4 | 14.1 | 74 | 63 | 17.0 | 47 | 208 | 1 | DAIKIN - AMST24 | HP-3A-1 | ROOF | 95 | 1 | 1 | 208 | 1 | DAIKIN - DH4SEA18 | 15.2 | 7.8 | ① ② ③ ④ ⑤ ⑥ ⑦ | |
| FCU-4A-1 | 600 | 100 | 0.5 | # | 17.4 | 14.1 | 74 | 63 | 17.0 | 47 | 208 | 1 | DAIKIN - AMST24 | HP-4A-1 | ROOF | 95 | 1 | 1 | 208 | 1 | DAIKIN - DH4SEA18 | 15.2 | 7.8 | ① ② ③ ④ ⑤ ⑥ ⑦ | |
| FCU-1B-1 | 600 | 110 | 0.5 | # | 17.4 | 14.1 | 74 | 63 | 17.0 | 47 | 208 | 1 | DAIKIN - AMST24 | HP-1B-1 | ROOF | 95 | 1 | 1 | 208 | 1 | DAIKIN - DH4SEA18 | 15.2 | 7.8 | ① ② ③ ④ ⑤ ⑥ ⑦ | |
| FCU-2B-1 | 600 | 110 | 0.5 | # | 17.4 | 14.1 | 74 | 63 | 17.0 | 47 | 208 | 1 | DAIKIN - AMST24 | HP-2B-1 | ROOF | 95 | 1 | 1 | 208 | 1 | DAIKIN - DH4SEA18 | 15.2 | 7.8 | ① ② ③ ④ ⑤ ⑥ ⑦ | |
| FCU-3B-1 | 600 | 110 | 0.5 | # | 17.4 | 14.1 | 74 | 63 | 17.0 | 47 | 208 | 1 | DAIKIN - AMST24 | HP-3B-1 | ROOF | 95 | 1 | 1 | 208 | 1 | DAIKIN - DH4SEA18 | 15.2 | 7.8 | ① ② ③ ④ ⑤ ⑥ ⑦ | |

- 4 PROVIDE LOW AMBIENT COOLING KIT TO 0°F.
 - 5 PROVIDE HAIL GUARDS.
 - 6 PROVIDE 7-DAY PROGRAMMABLE T-STAT WITH LOCK-OUT CONTROLS.
 - 7 PROVIDE COASTAL/CORROSIVE COATINGS

COMMON AREA SPLIT SYSTEM HEAT PUMP UNIT SCHEDULE																									
FAN COIL UNIT														AIR COOLED CONDENSING UNIT											
UNIT NUMBER	CFM	QA CFM	E.S.P. (IN H2O)	FAN HP	D.X. COOLING COIL				REVERSE CYCLE		VOLTS	PHASE	SELECTION BASED ON	UNIT NUMBER	LOCATION	COND. EAT (°F)	COMPRESSOR DATA		SINGLE POINT POWER CONNECTION		SELECTION BASED ON	SEER2	HSPF2	REMARKS	
					TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EAT (°F)		HEATING CAPACITY (MBH)	AIR TEMP							NO.	NO. OF STAGES	VOLTS	PHASE					
							DB	WB																	
FCU-1A-1	800	170	0.5	#	22.9	17.8	74	63	22.0	47	208	1	DAIKIN - AMST24	HP-1A-1	ROOF	95	1		208	1	DAIKIN - DH4SEA24	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦	
FCU-1A-2	600	90	0.5	#	17.9	11.9	74	63	17.0	47	208	1	DAIKIN - AMST24	HP-1A-2	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦	
FCU-2A-1	600	100	0.5	#	17.4	14.1	74	63	17.0	47	208	1	DAIKIN - AMST24	HP-2A-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦	
FCU-3A-1	600	100	0.5	#	17.4	14.1	74	63	17.0	47	208	1	DAIKIN - AMST24	HP-3A-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦	
FCU-4A-1	600	100	0.5	#	17.4	14.1	74	63	17.0	47	208	1	DAIKIN - AMST24	HP-4A-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦	
FCU-1B-1	600	110	0.5	#	17.4	14.1	74	63	17.0	47	208	1	DAIKIN - AMST24	HP-1B-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦	
FCU-2B-1	600	110	0.5	#	17.4	14.1	74	63	17.0	47	208	1	DAIKIN - AMST24	HP-2B-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦	
FCU-3B-1	600	110	0.5	#	17.4	14.1	74	63	17.0	47	208	1	DAIKIN - AMST24	HP-3B-1	ROOF	95	1	1	208	1	DAIKIN - DH4SEA18	15.2	7.8	① ② ③ ④ ⑤ ⑥ ⑦	

- 4 PROVIDE LOW AMBIENT COOLING KIT TO 0°F.
 - 5 PROVIDE HAIL GUARDS.
 - 6 PROVIDE 7-DAY PROGRAMMABLE T-STAT WITH LOCK-OUT CONTROLS.
 - 7 PROVIDE COASTAL/CORROSIVE COATINGS

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1 MECHANICAL PLAN - FIRST FLOOR - AREA A
M-141-A 1/8" = 1'-0"



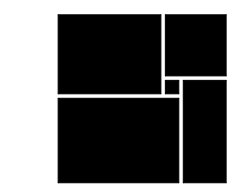
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MECHANICAL
PLAN - FIRST
FLOOR - AREA
A

M-141-A

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**MECHANICAL
PLAN - FIRST
FLOOR - AREA
B**

M-141-B



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**MECHANICAL
PLAN -
SECOND
FLOOR - AREA
A**

M-142-A



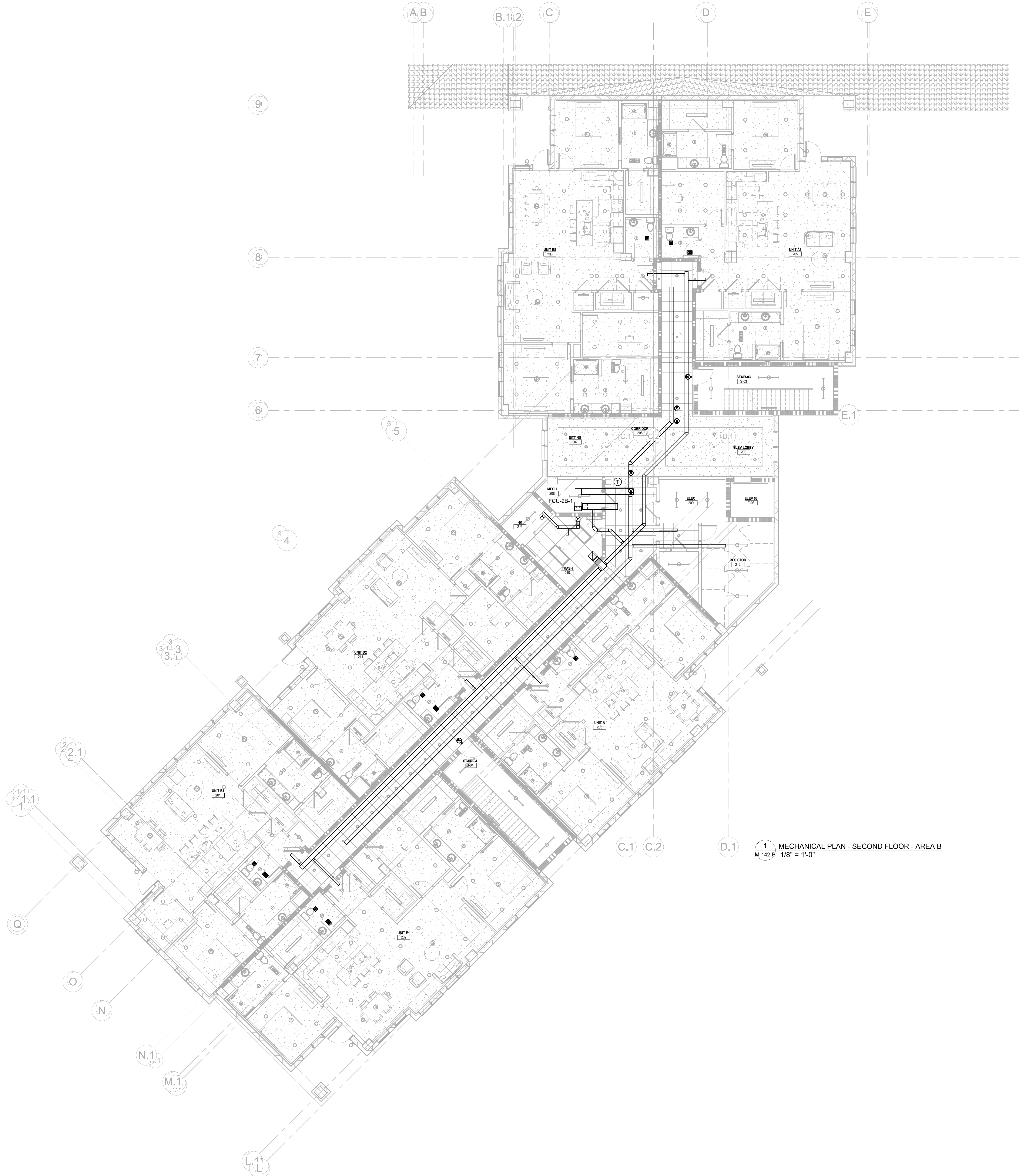
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1 MECHANICAL PLAN - SECOND FLOOR - AREA A
M-142-A 1/8" = 1'-0"

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**MECHANICAL
PLAN -
SECOND
FLOOR - AREA
B**

M-142-B

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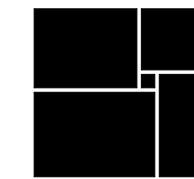
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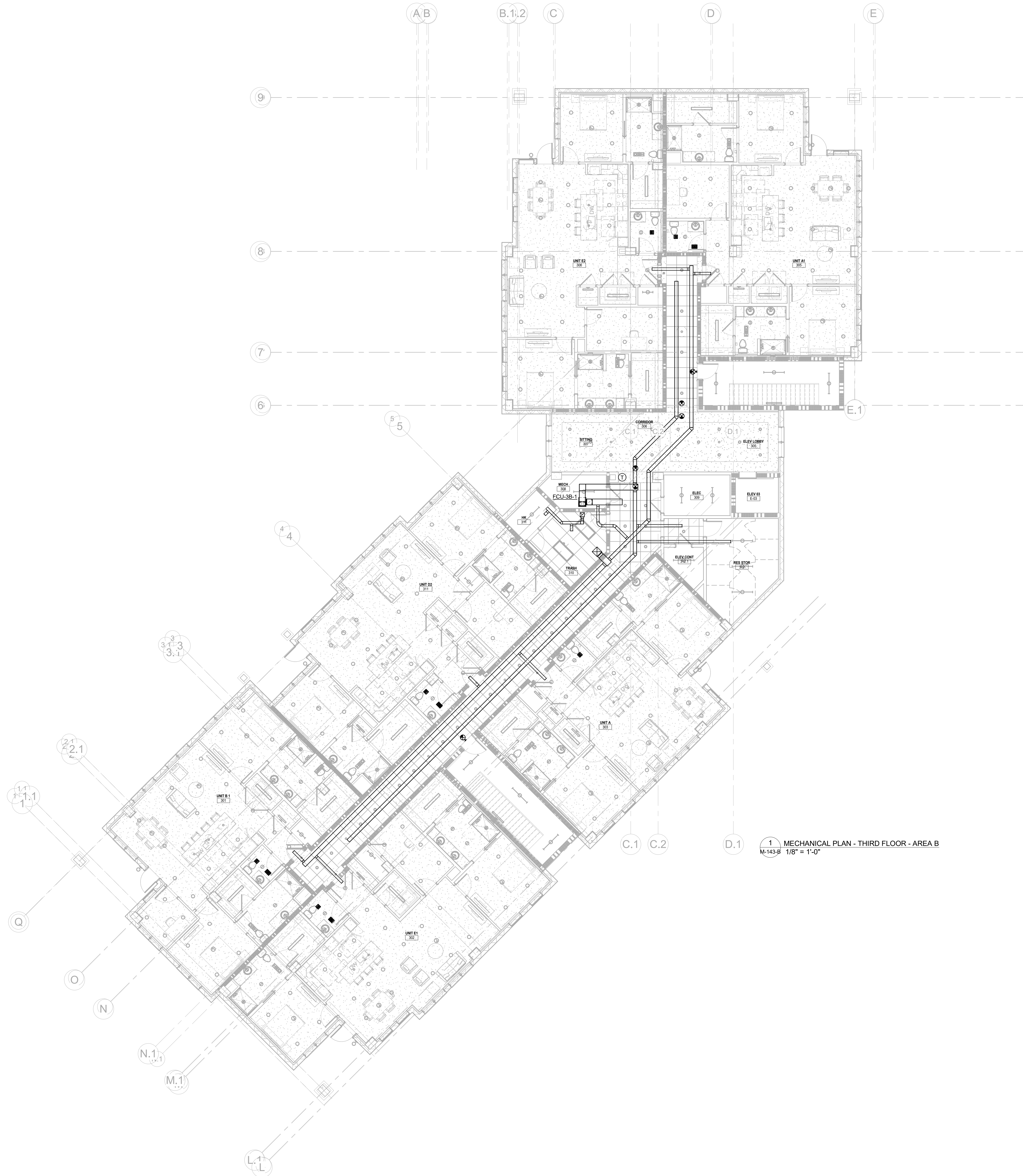
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**MECHANICAL
PLAN - THIRD
FLOOR - AREA
A**

M-143-A

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**MECHANICAL
PLAN - THIRD
FLOOR - AREA
B**

M-143-B

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1 MECHANICAL PLAN - FOURTH FLOOR - AREA A
M-144-A 1/8" = 1'-0"

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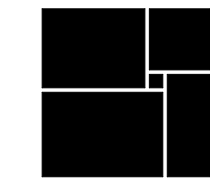
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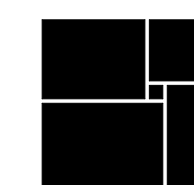
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MECHANICAL
PLAN -
FOURTH
FLOOR - AREA
A

M-144-A

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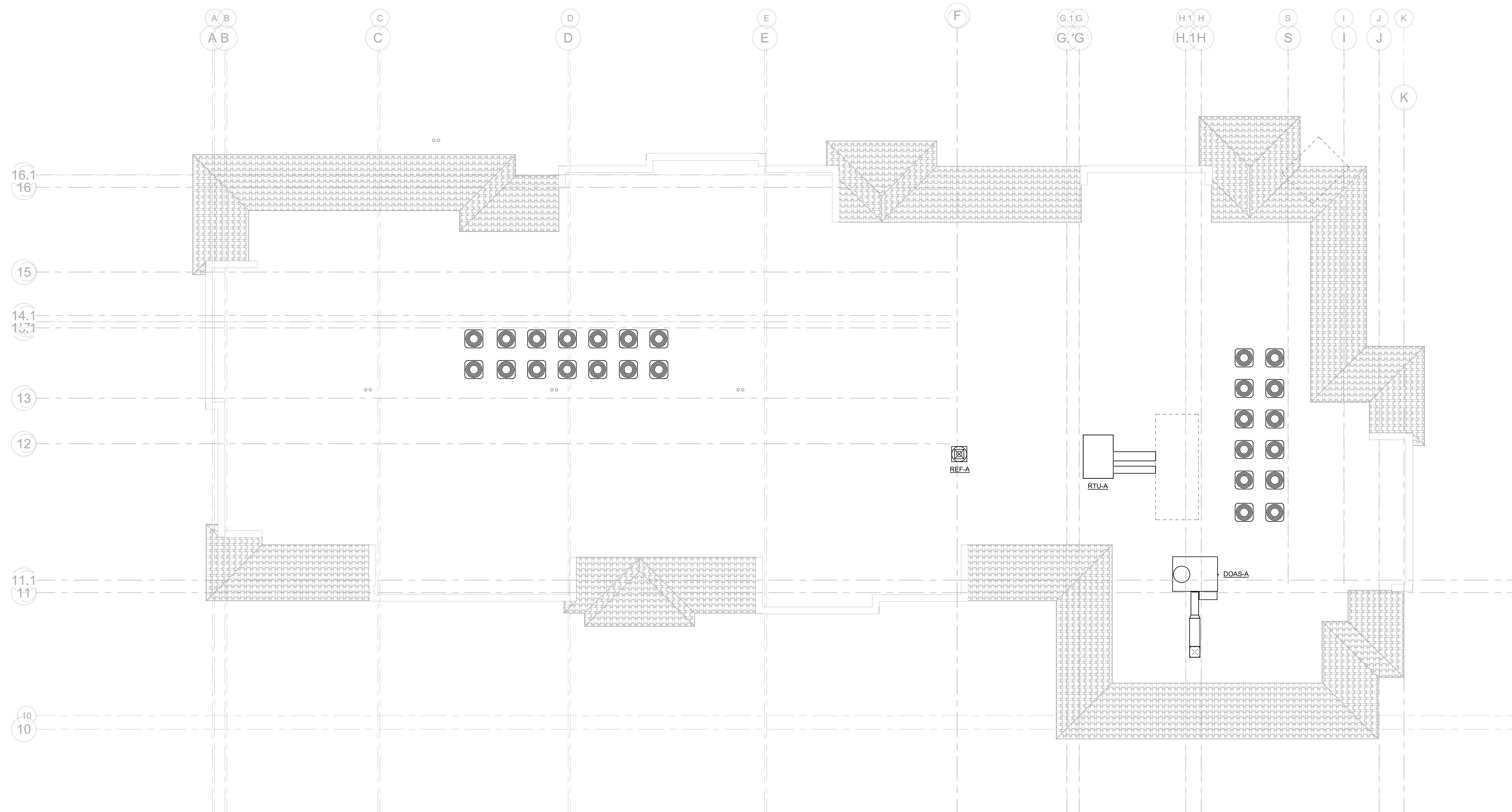
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**MECHANICAL
PLAN - ROOF -
AREA A**

M-145-A



1 MECHANICAL PLAN - ROOF - AREA A
M-145-A 1/8" = 1'-0"

1. MAINTAIN MINIMUM 10' CLEARANCE FROM EXHAUST TO ALL OUTSIDE AIR INTAKES.
2. ALL ROOFING WORK TO BE PERFORMED BY OWNER PREFERRED ROOFING CONTRACTOR



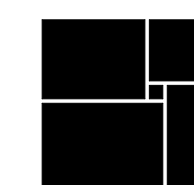
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**MECHANICAL
PLAN - ROOF -
AREA B**

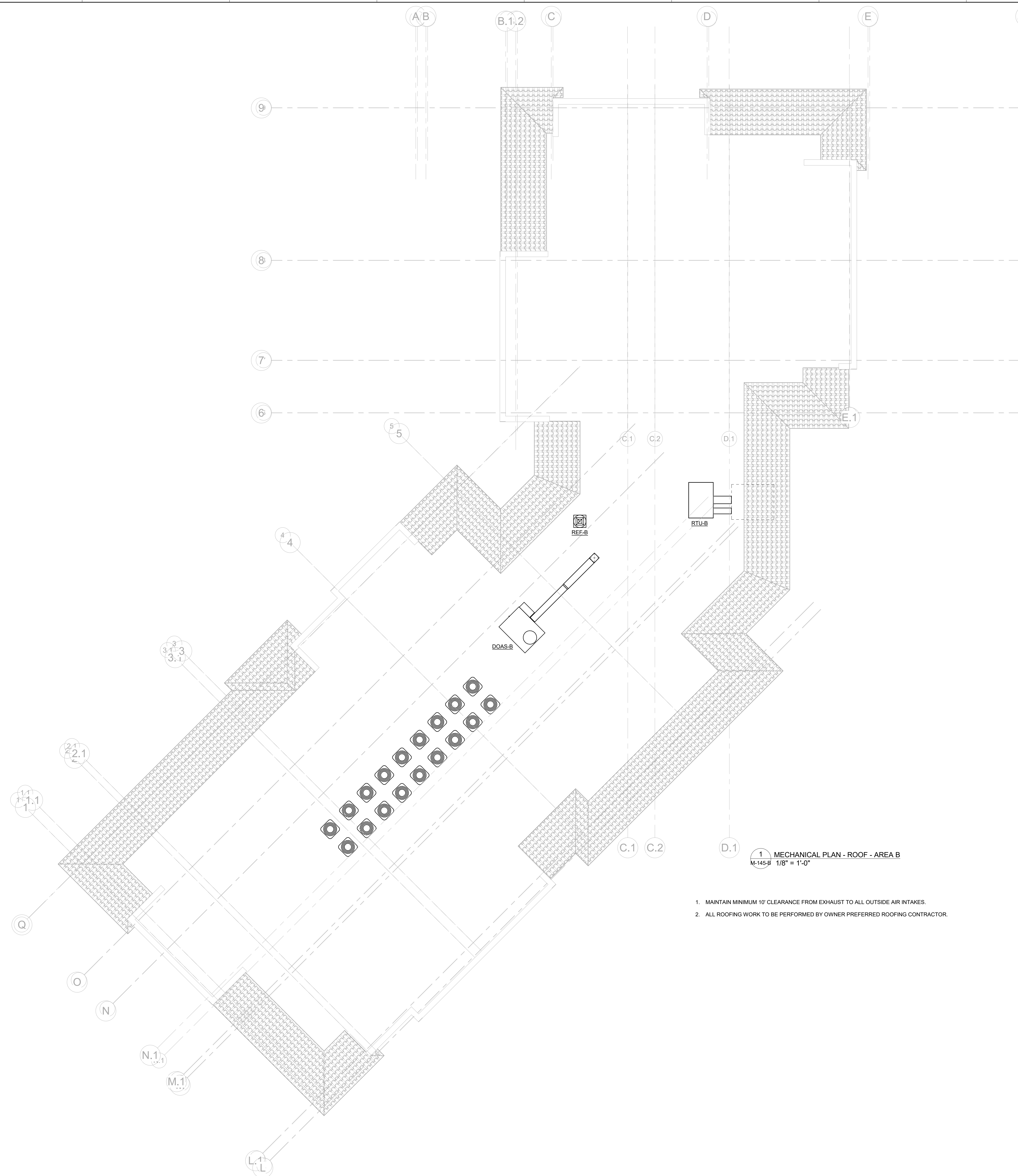
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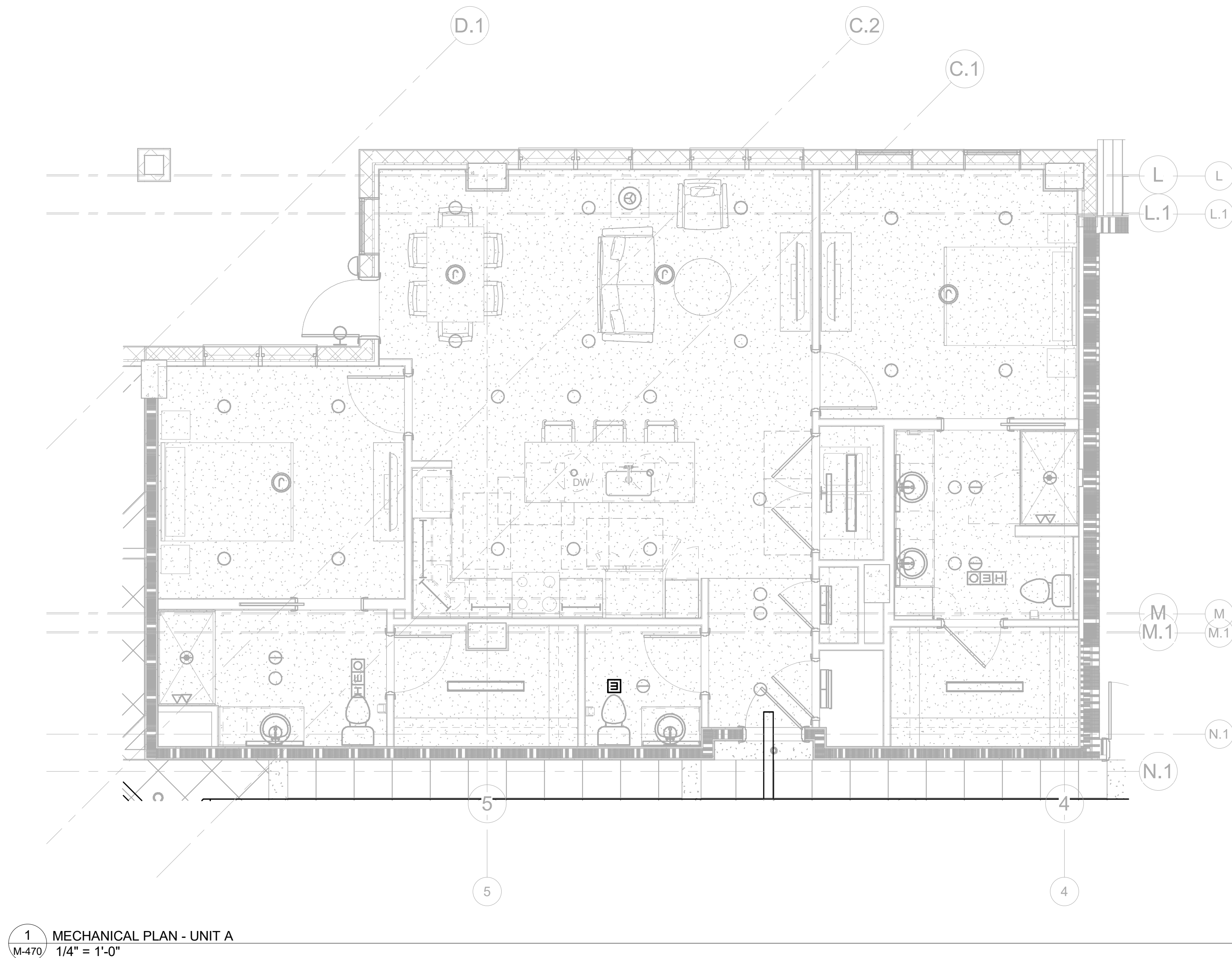
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1. MAINTAIN MINIMUM 10' CLEARANCE FROM EXHAUST TO ALL OUTSIDE AIR INTAKES.
2. ALL ROOFING WORK TO BE PERFORMED BY OWNER PREFERRED ROOFING CONTRACTOR

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1 MECHANICAL PLAN - UNIT A
M-470 1/4" = 1'-0"



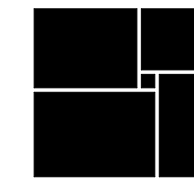
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MECHANICAL
PLAN - UNIT A

M-470

	08/22/25	DESIGN DEVELOPMENT
O.	DATE	DESCRIPTION

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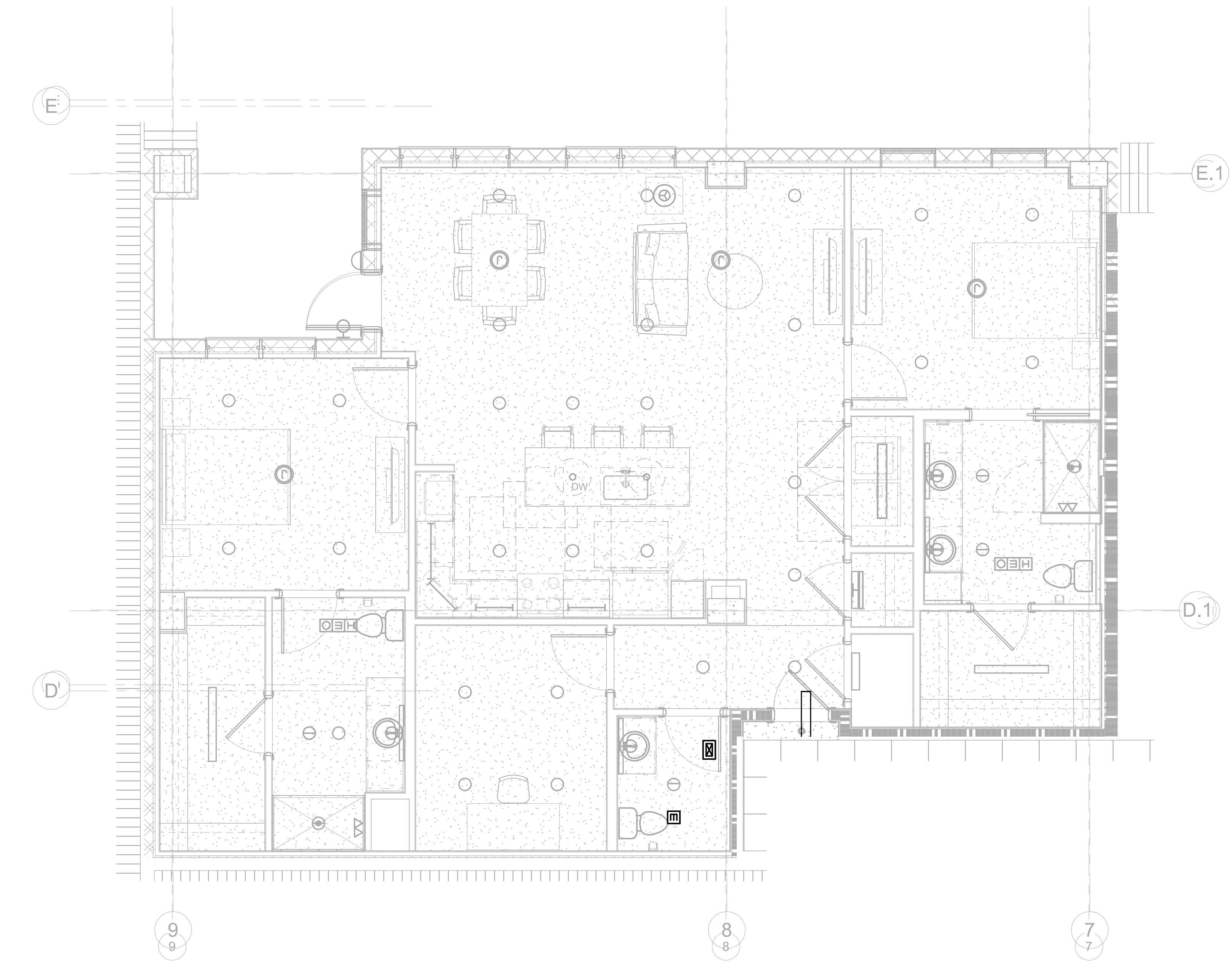
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MECHANICAL PLAN - UNIT A1

M-471



1 MECHANICAL PLAN - UNIT A1
M-471 1/4" = 1'-0"

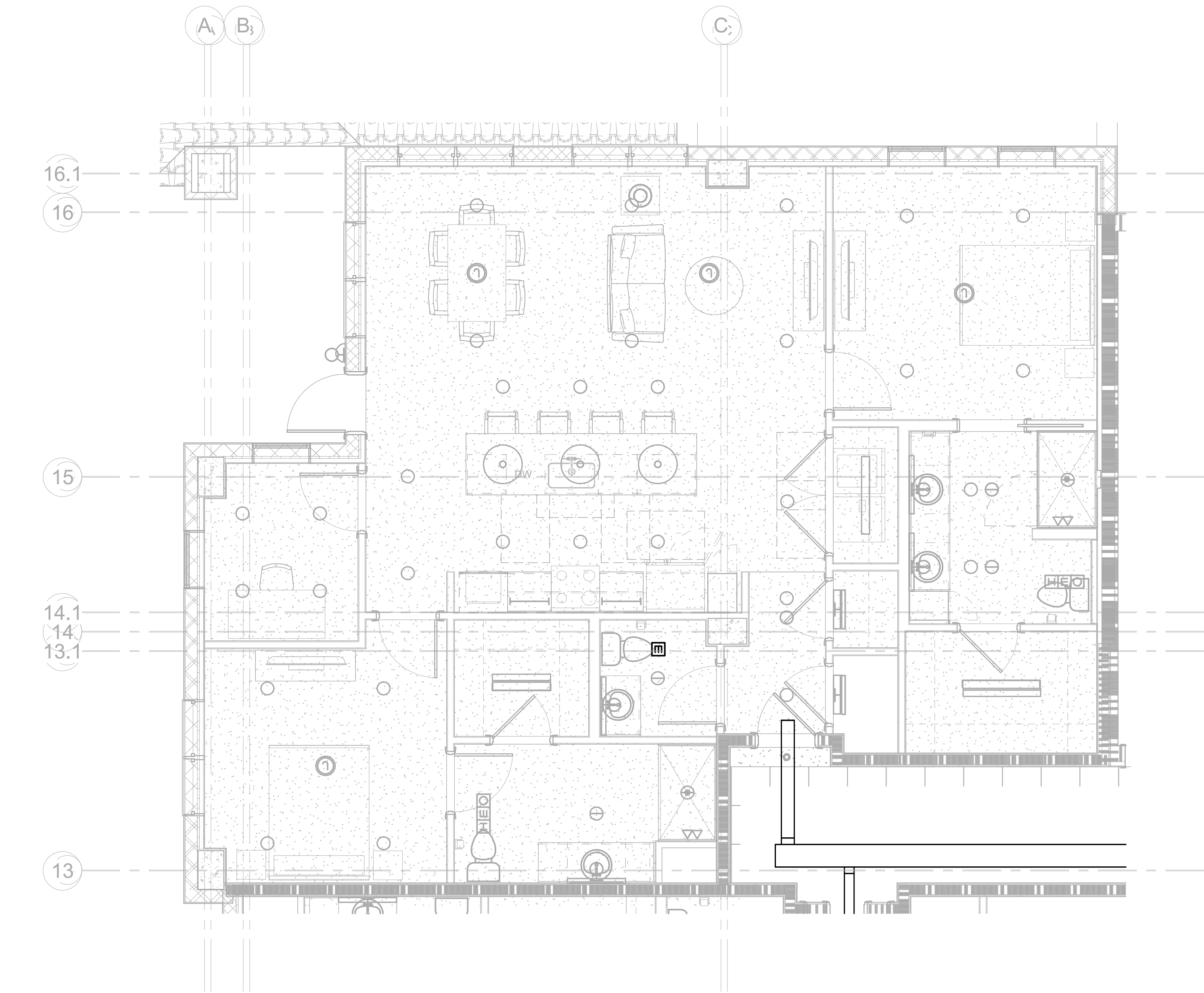
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1 MECHANICAL PLAN - UNIT B
M-472 1/4" = 1'-0"



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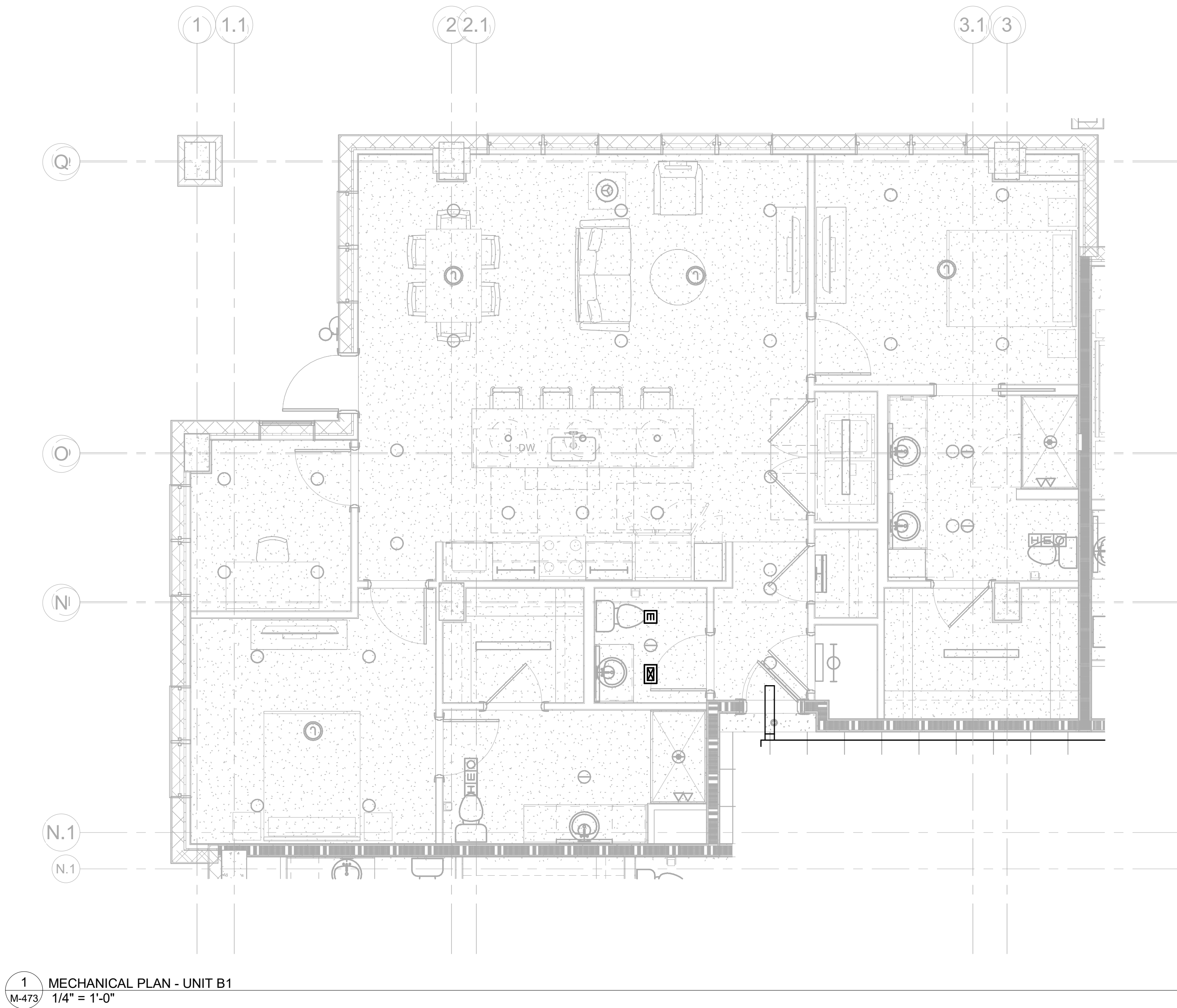
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MECHANICAL
PLAN - UNIT B

M-472

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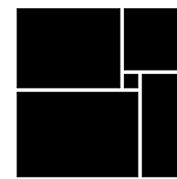
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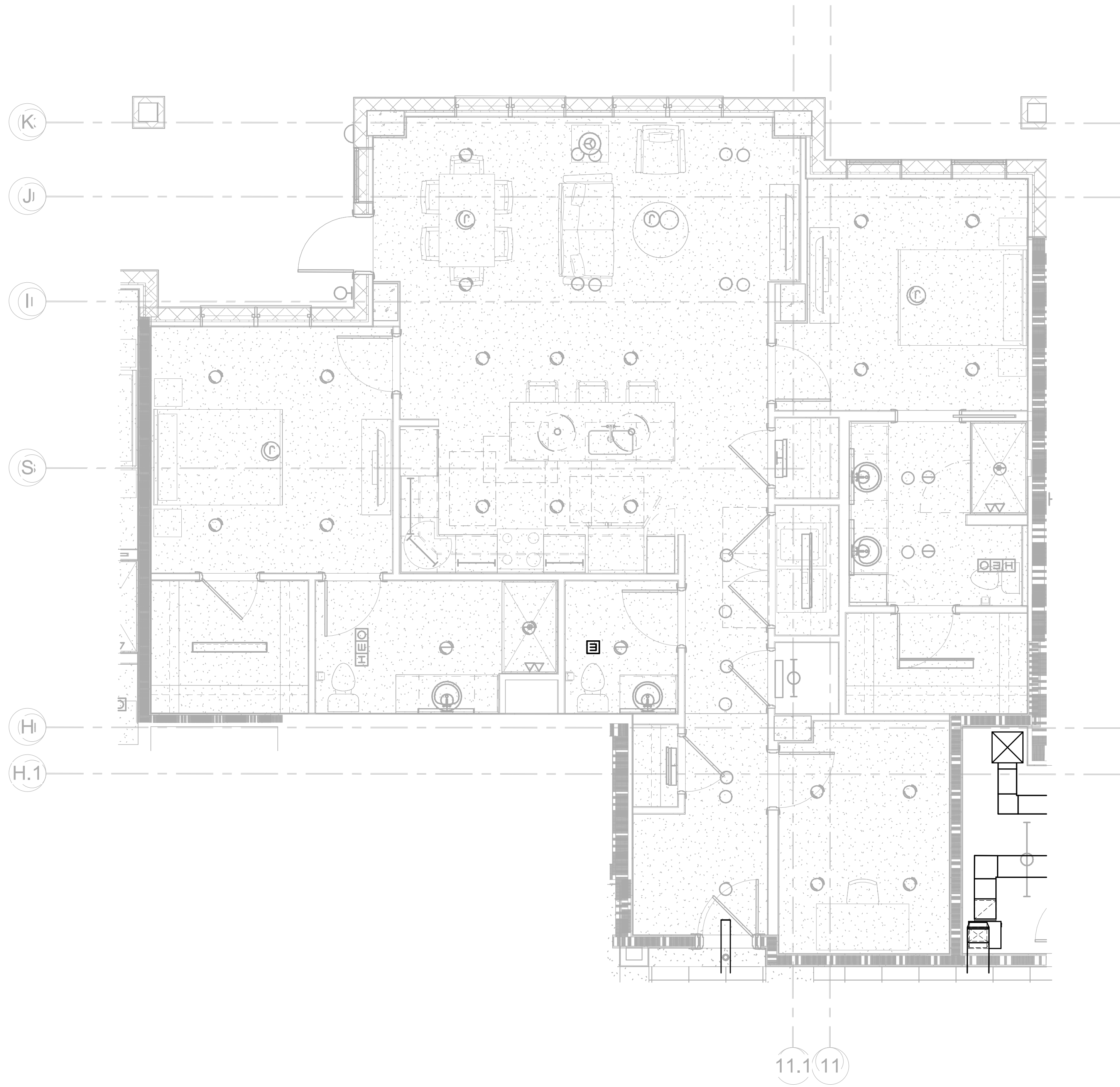
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MECHANICAL
PLAN - UNIT
B1

M-473

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1 MECHANICAL PLAN - UNIT C
M-474 1/4" = 1'-0"

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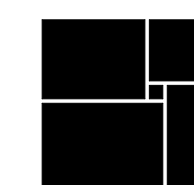
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**MECHANICAL
PLAN - UNIT C**

M-474

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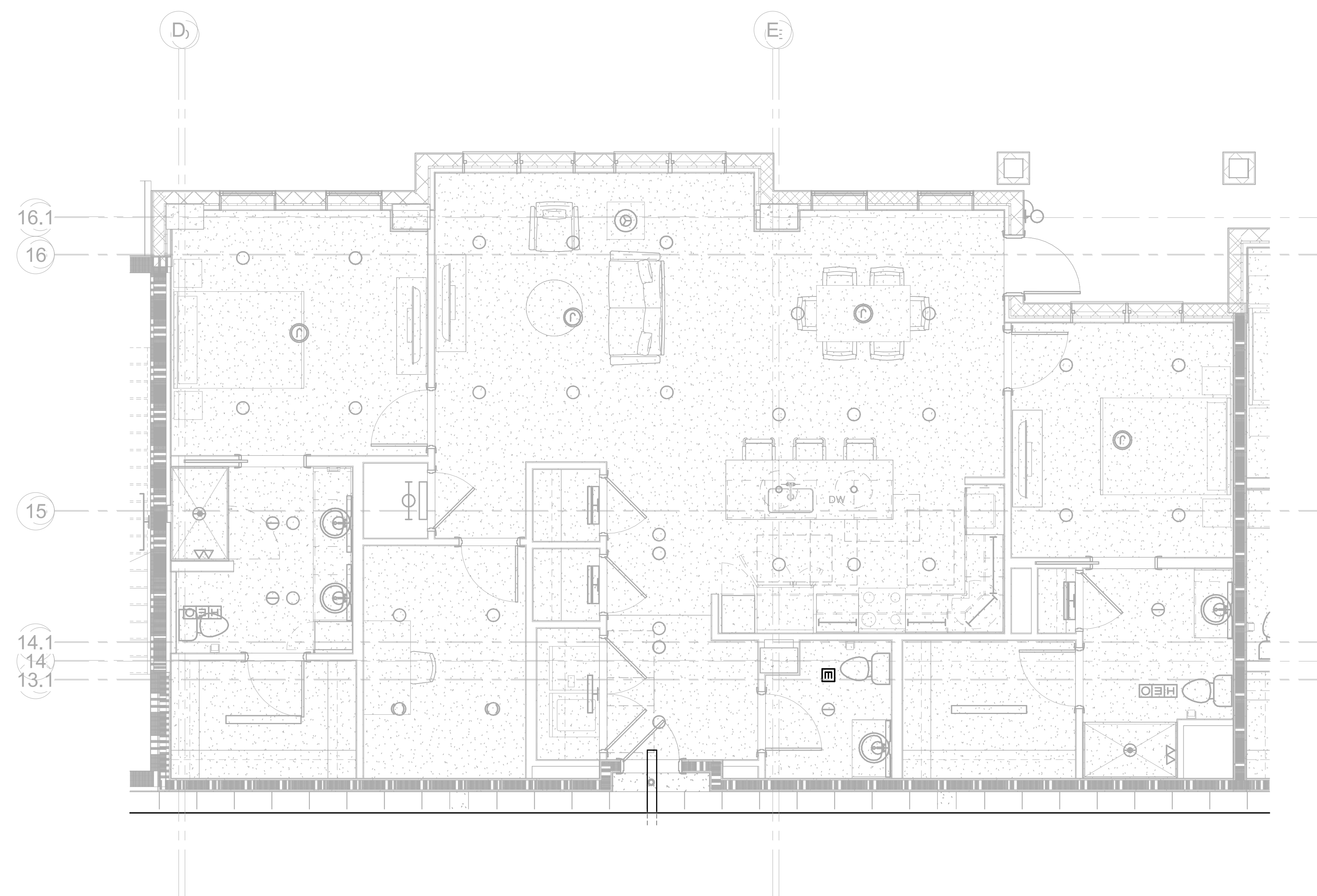
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MECHANICAL PLAN - UNIT D

M-475



1 MECHANICAL PLAN - UNIT D
M-475 1/4" = 1'-0"



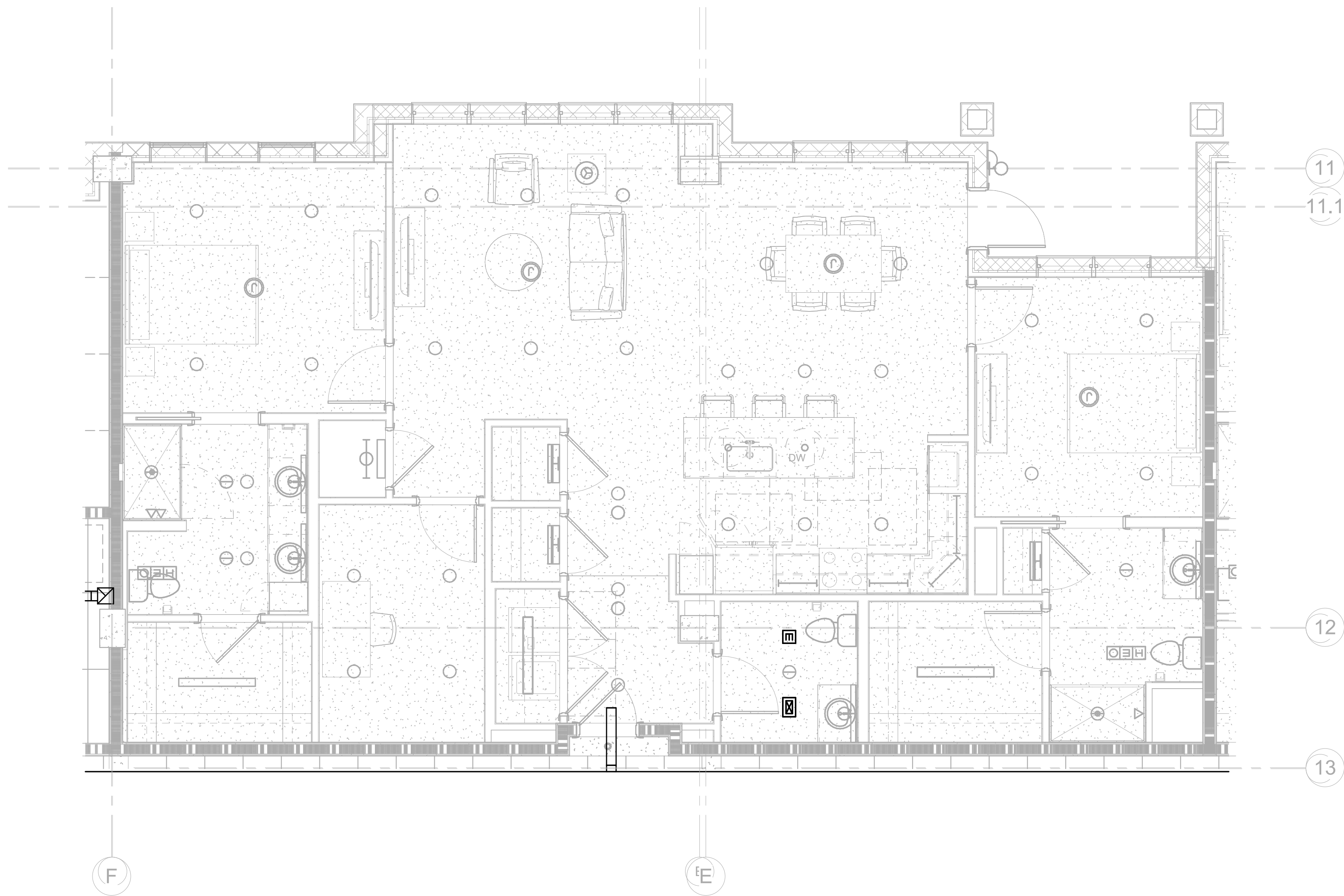
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1 MECHANICAL PLAN - UNIT D1
M-476 1/4" = 1'-0"



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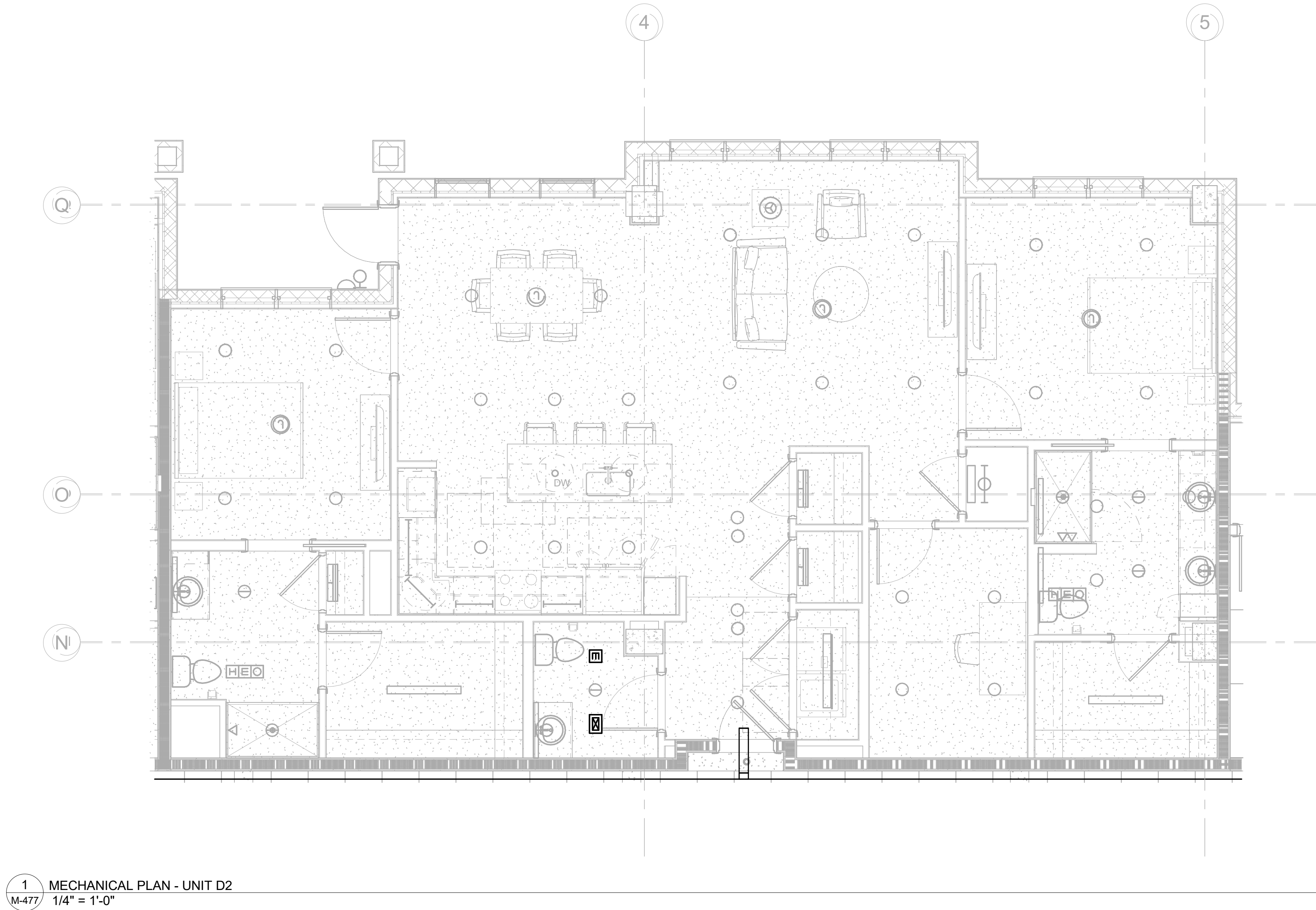
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MECHANICAL
PLAN - UNIT
D1

M-476

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1 MECHANICAL PLAN - UNIT D2
M-477 1/4" = 1'-0"



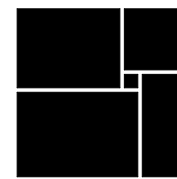
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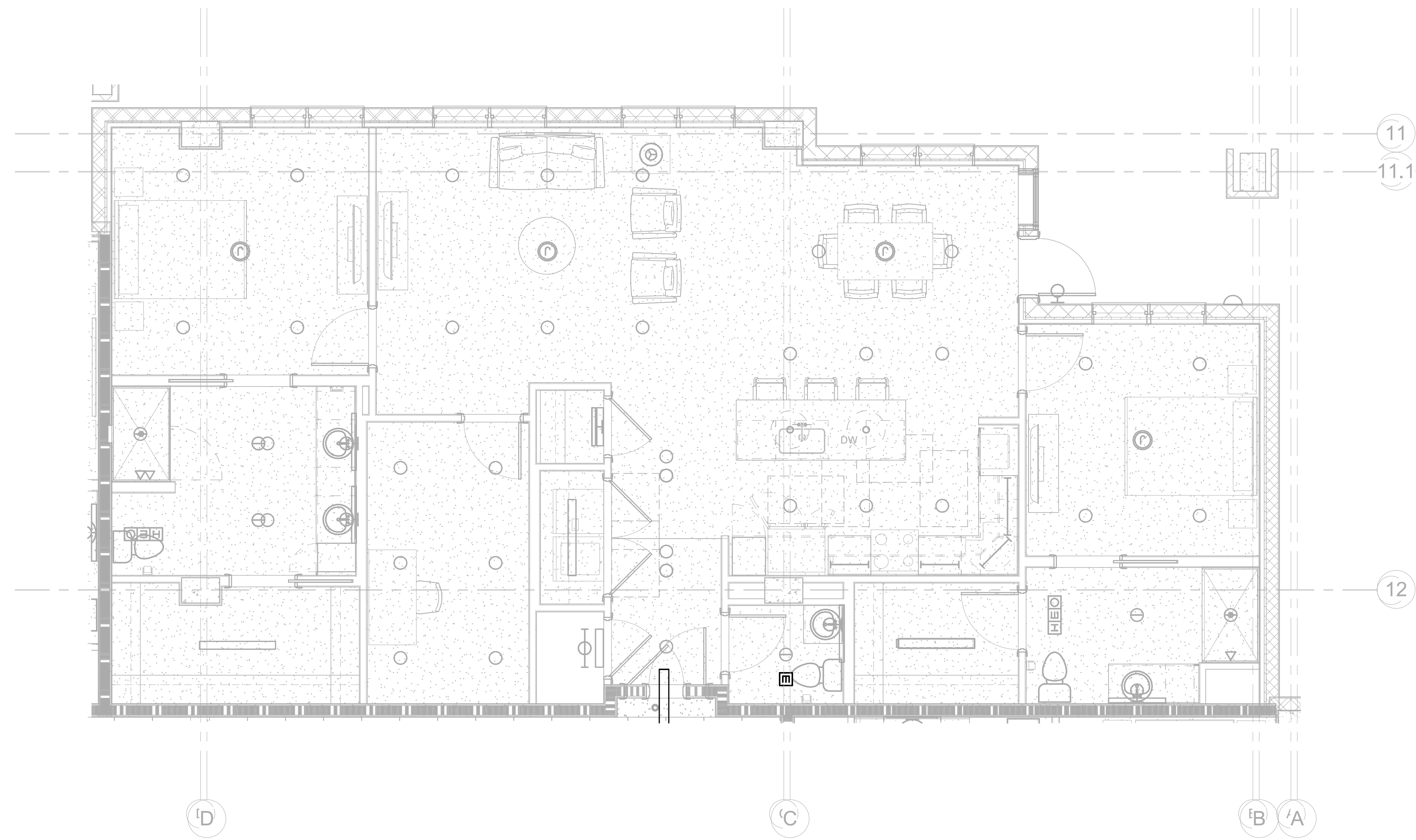
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MECHANICAL
PLAN - UNIT
D2

M-477

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1 MECHANICAL PLAN - UNIT E
M-478 1/4" = 1'-0"



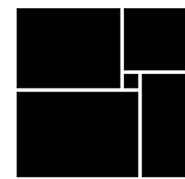
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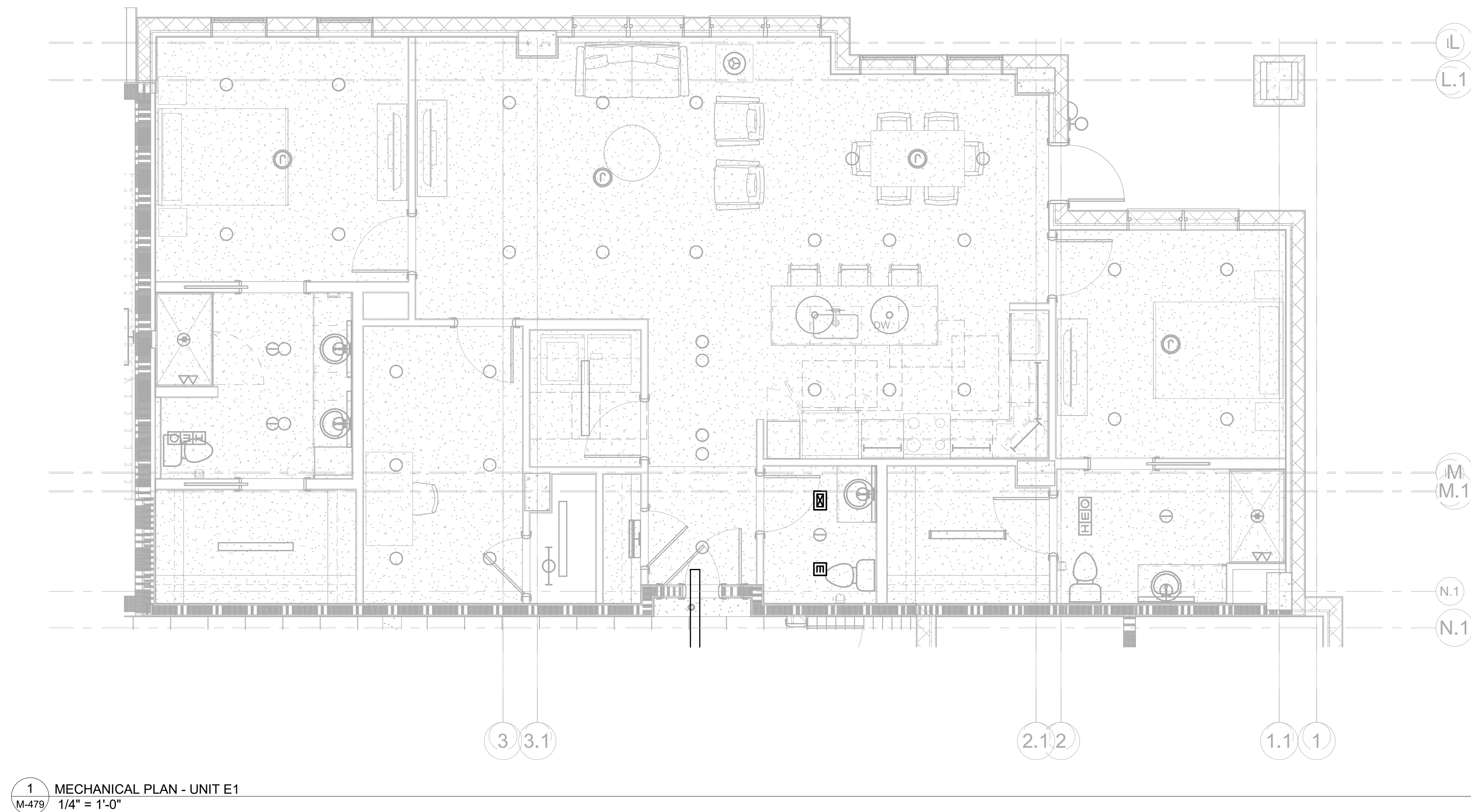
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MECHANICAL
PLAN - UNIT E

M-478

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1 MECHANICAL PLAN - UNIT E1
M-479 1/4" = 1'-0"



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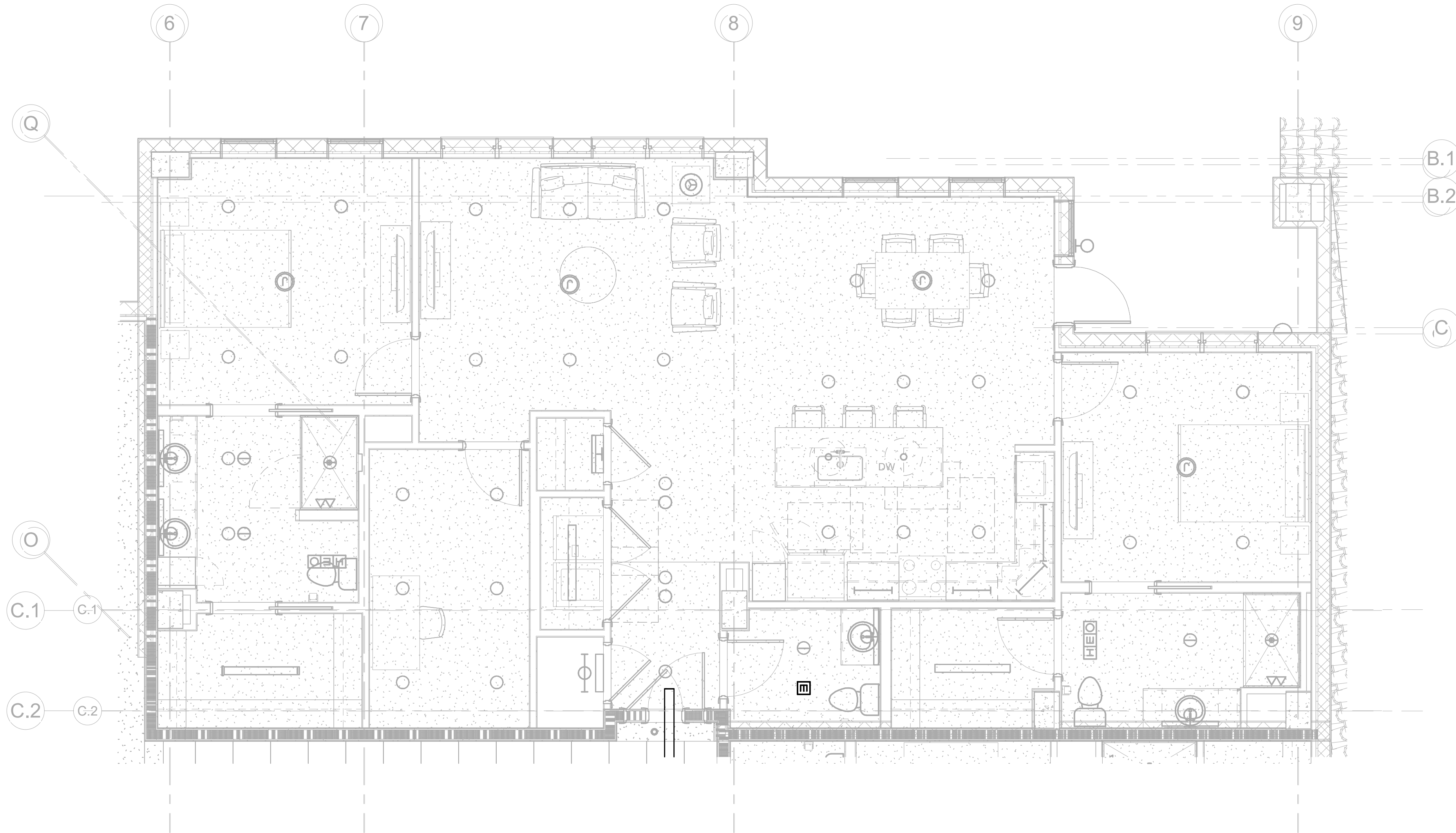
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MECHANICAL
PLAN - UNIT
E1

M-479

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1 MECHANICAL PLAN - UNIT E2
M-480 1/4" = 1'-0"



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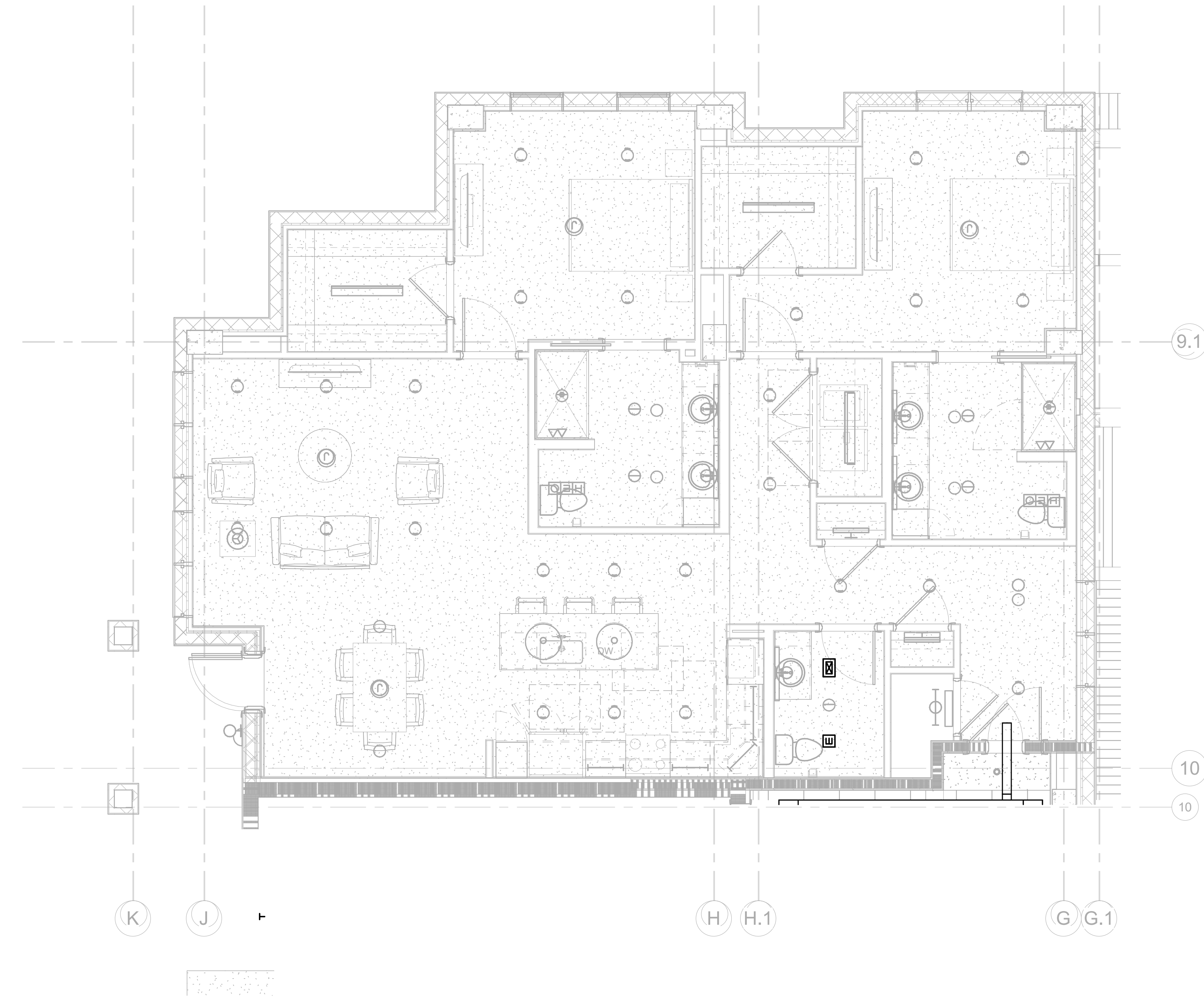
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MECHANICAL
PLAN - UNIT
E2

M-480

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1 MECHANICAL PLAN - UNIT F
M-481 1/4" = 1'-0"

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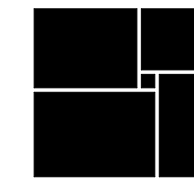
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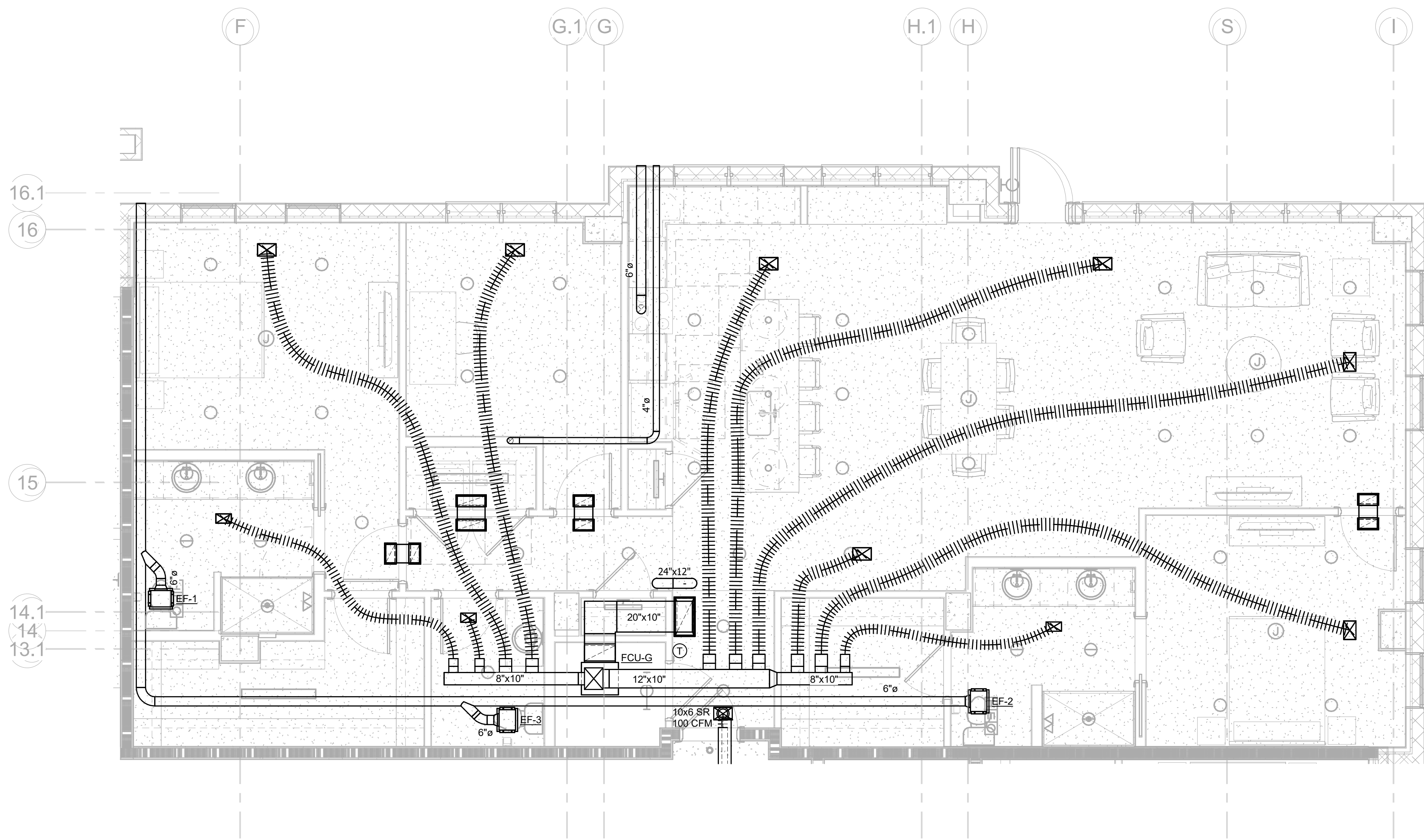
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**MECHANICAL
PLAN - UNIT F**

M-481

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1 MECHANICAL PLAN - UNIT G
M-482 1/4" = 1'-0"



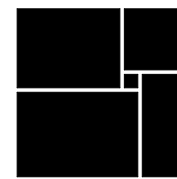
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MECHANICAL
PLAN - UNIT G

M-482