

ISSUES & REVISIONS

#	DATE	DESCRIPTION
1	05.14.26	PERMIT SET

AIR DISTRIBUTION SCHEDULE				
TAG	LABEL	DESCRIPTION	MFR	MODEL
RAG	LOUVERED RETURN GRILLE	STEEL EGGRATE RETURN GRILLE	TRUAIRE	270
TDC	SQUARE SUPPLY DIFFUSER	ADJUSTABLE STEEL SQUARE CEILING SUPPLY DIFFUSER	TITUS	TDCA
CB	SUPPLY REGISTER	2-WAY STAMPED STEEL REGISTER WITH 1/2" LOUVERS. PROVIDE WITH OPPOSED BLADE DAMPER.	TRUAIRE	401
HSW	RETURN REGISTER	1-WAY STAMPED CURVED BLADE 1" BLADE SPACING REGISTER. PROVIDE WITH OPPOSED BLADE DAMPER.	TRUAIRE	102
TG	TRANSFER GRILLE	STAMPED LOUVER RETURN	TRUAIRE	170
EG	EXHAUST GRILLE	STEEL DOUBLE DEFLECTION WITH 3/4" BLADE SPACING AND 35° DEFLECTION.	TITUS	350RL

GENERAL NOTES

- FINISH SHALL MATCH CEILING/WALL/FLOOR IN WHICH IT IS INSTALLED. COORDINATE FINISH WITH ARCHITECT.
- DIFFUSER FRAME SHALL MATCH CEILING/WALL/FLOOR IN WHICH IT IS INSTALLED. COORDINATE WITH ARCHITECTURAL RCP. PROVIDE RADIATION DAMPER FOR ALL DIFFUSERS.
- PROVIDE MANUFACTURER'S OPTIONAL BALANCING DAMPER WITH REMOVABLE FACE ACCESS WHERE BALANCING DAMPER IS LOCATED ABOVE INACCESSIBLE CEILING.
- IN PLENUMS WITH A DUCTED RETURN APPLICATION, PROVIDE MANUFACTURER'S FACTORY INSTALLED MOLDED INSULATED BLANKET ACCESSORY FOR ANY SUPPLY DIFFUSERS.

ABBREVIATIONS			
A/C	ABOVE CEILING	LWS	LOOP WATER SUPPLY
AFF	ABOVE FINISHED FLOOR	LWT	LEAVING WATER TEMPERATURE
AHU	AIR HANDLING UNIT	MAX	MAXIMUM
B/F	BELOW FLOOR	MFR	MANUFACTURER
B/G	BELOW GRADE	MD	MANUAL DAMPER
BD	BACKDRAFT DAMPER	MIN	MINIMUM
CFM	CUBIC FEET PER MINUTE	MOD	MOTOR OPERATED DAMPER
CHWS	CHILLED WATER SUPPLY	OA	OUTSIDE AIR
CHWS	CHILLED WATER RETURN	PIU	POWER INDUCTION UNIT
CWR	CONDENSER WATER RETURN	PSI	POUNDS PER SQUARE INCH
CWS	CONDENSER WATER SUPPLY	RA	RETURN AIR
DB	DRY BULB	RL	REFRIGERANT LIQUID
DWG	DRAWING	RS	REFRIGERANT SUCTION
EA	EACH	RTU	ROOFTOP UNIT
EWT	ENTERING WATER TEMPERATURE	SD	SMOKE DETECTOR
EXH	EXHAUST	SEN	SENSIBLE
ESP	EXTERNAL STATIC PRESSURE	SF	SQUARE FEET
FD	FIRE DAMPER	SS	SPLIT SYSTEM
FSD	FIRE SMOKE DAMPER	TEMP	TEMPERATURE
GPM	GALLONS PER MINUTE	TOT	TOTAL
HD	HUB DRAIN	TSTAT	THERMOSTAT
HP	HORSE POWER	TYP	TYPICAL
HZ	HERTZ	UNO	UNLESS NOTED OTHERWISE
IN	INCHES	VAV	VARIABLE AIR VOLUME
KW	KILOWATT	WB	WET BULB
LAT	LEAVING AIR TEMPERATURE	WC	WATER COLUMN
LB	POUND	WT	WEIGHT
LWR	LOOP WATER RETURN	WSHP	WATER SOURCE HEAT PUMP

MECH LEGEND	
---	DUCTWORK
---	PIPING
---	EXISTING
---	EQUIPMENT CLEARANCE
---	THERMOSTAT WIRE
⊗	SUPPLY DIFFUSER/GRILLE
⊗	RETURN GRILLE/REGISTER
⊗	EXHAUST GRILLE
⊕	THERMOSTAT
⊕	HUMIDISTAT
⊕	SENSOR
⊕	MOTOR OPERATED DAMPER
⊕	FIRE DAMPER
⊕	FIRE SMOKE DAMPER
⊕	BACKDRAFT DAMPER
⊕	GATE VALVE
⊕	BALL VALVE
⊕	CHECK VALVE
⊕	BALANCING VALVE
⊕	STRAINER
⊕	PIPE DOWN
⊕	PIPE UP

MECHANICAL GENERAL NOTES	
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH NATIONAL, STATE, AND LOCAL CODES. INTERPRETATION OF THE CODE IS SUBJECT TO THE AUTHORITY OF THE PREVAILING JURISDICTION.	17. PROVIDE ACOUSTICALLY LINED RETURN AIR BOOTS ON ALL RETURN GRILLES.
2. THESE DRAWINGS ARE DIAGRAMATIC IN NATURE AND GENERALLY SHOW THE LOCATIONS AND ARRANGEMENTS OF EQUIPMENT AND SYSTEMS. CONTRACTOR SHALL COORDINATE EXACT LOCATIONS AND ELEVATIONS OF ALL EQUIPMENT AND SYSTEMS PRIOR TO CONSTRUCTION.	18. ALL REFRIGERANT PIPING SHALL BE SIZED PER MANUFACTURER'S RECOMMENDATIONS.
3. CONTRACTOR SHALL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO PURCHASE OR INSTALLATION OF ANY EQUIPMENT OR SYSTEMS. CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY OF ANY FIELD OBSERVATIONS THAT MAY REQUIRE SIGNIFICANT DEVIATIONS IN THE CONSTRUCTION DOCUMENTS.	19. HVAC REFRIGERANT PIPING INSULATION SHALL BE A FLEXIBLE, CLOSED-CELL ELASTOMERIC PIPE INSULATION WITH A MINIMUM THERMAL CONDUCTIVITY OF 0.27 AT 75°F (ASTM C177). INSULATION MUST CONFORM TO ASTM C634 GRADE 1, TYPE I.
4. SUBMITTAL AND SHOP DRAWINGS SHALL BE SUBMITTED TO ARCHITECT AND ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ORDERING.	20. HVAC PIPING INSULATION SHALL BE FIBERGLASS WITH A MINIMUM THERMAL CONDUCTIVITY OF 0.27 AT 75°F (ASTM C177). PROVIDE WITH FACTORY APPLIED VAPOR BARRIER JACKET. ALL JOINTS AND SEAMS SHALL BE SEALED TO MAINTAIN THE CONTINUITY OF THE VAPOR BARRIER JACKET.
5. ALL PENETRATIONS OF RATED WALLS, PARTITIONS, AND FLOORS SHALL BE PROTECTED SO AS TO MAINTAIN THE RATING. PROVIDE FIRE DAMPERS, SLEEVES, AND RATED SEALANT AS REQUIRED BY CODE. ALL FIRE DAMPERS SHALL BE TYPE B AND UL 555 RATED.	21. ALL CONDENSATE DRAIN LINES SHALL BE CPVC PIPING AND TRAPPED AS REQUIRED. CONDENSATE SHALL BE SLOPED AT 1/8 INCH PER FOOT PER IPC. PROVIDE CONDENSATE PUMPS WHERE INDICATED ON THE SCHEDULE.
6. THE CONTRACTOR SHALL VERIFY ELECTRICAL REQUIREMENTS WITH ALL TRADES FOR ALL EQUIPMENT PRIOR TO ORDERING.	22. MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES FOR EQUIPMENT INSTALLATION AND MAINTENANCE.
7. ALL MATERIALS INSTALLED WITHIN A RETURN AIR PLENUM SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E 84 OR UL 723.	23. PROVIDE VIBRATION ISOLATORS ON ALL MOTORIZED EQUIPMENT.
8. ALL DUCTWORK DIMENSIONS SHOWN ARE INTERIOR CLEAR DIMENSIONS. ALL LINED AND DOUBLE WALLED DUCTWORK SHALL MATCH THE INTERIOR CLEAR DIMENSIONS INDICATED ON THE PLANS.	24. PROVIDE ACCESS PANELS FOR ANY EQUIPMENT LOCATED ABOVE AN INACCESSIBLE CEILING. ACCESS PANEL SHALL ALLOW FOR REMOVAL AND MAINTENANCE OF EQUIPMENT.
9. PROVIDE AIR TURNING VANES IN ALL SQUARE ELBOWS.	25. ALL THERMOSTATS ARE TO BE INSTALLED AT 48" AFF UNLESS NOTED OTHERWISE. COORDINATE EXACT LOCATIONS OF ALL THERMOSTATS WITH ARCHITECT.
10. ALL DUCTWORK SHALL BE DUCTBOARD AND BE CONSTRUCTED IN ACCORDANCE WITH SMACNA STANDARDS.	26. PROVIDE INSULATED BASES FOR ANY THERMOSTATS LOCATED ON EXTERIOR WALLS, COLUMNS, OR WALLS ADJACENT TO UNCONDITIONED SPACES.
11. FLEX DUCT SHALL CONFORM TO THE REQUIREMENTS OF UL181 FOR CLASS 1 FLEXIBLE AIR DUCTS WITH A MINIMUM OF R-8 INSULATION. MAXIMUM LENGTH OF FLEX DUCT SHALL BE 5'-0". FLEX DUCT SHALL BE INSTALLED FREE OF CRIMPS AND SAGS. PROVIDE SQUARE TO ROUND ADAPTERS AS NECESSARY TO CONNECT TO DIFFUSERS.	27. COORDINATE ALL AIR DISTRIBUTION DEVICE LOCATIONS WITH LIGHTING AND ARCHITECTURAL REFLECTED CEILING PLAN.
12. ALL SUPPLY AND RETURN DUCTWORK SHALL BE LINED WITH 1" ACOUSTICAL LINING (MIN R-6) WITHIN 10 FEET OF THE EQUIPMENT CONNECTION.	28. PROVIDE EQUIPMENT PAD FOR ANY EQUIPMENT MOUNTED ON FLOOR OR GRADE. EQUIPMENT PAD SHALL BE 6" THICK CONCRETE THAT EXTENDS 6" BEYOND THE FOOTPRINT OF THE EQUIPMENT IN EACH DIRECTION.
13. ALL SUPPLY, RETURN, AND OUTSIDE AIR DUCTWORK SHALL BE INSULATED WITH A MINIMUM OF R-6 INSULATION. INSULATION SHALL BE 2" THICK FIBERGLASS, 1.0 LB PER CU. FT. DUCT INSULATION WITH FACTORY APPLIED FOIL VAPOR BARRIER.	29. CONTRACTOR SHALL PROVIDE TEST AND BALANCE REPORT TO OWNER'S REPRESENTATIVE. ALL SYSTEMS SHALL BE BALANCED TO VALUES INDICATED ON THE CONSTRUCTION DOCUMENTS. TEST AND BALANCE CONTRACTOR SHALL BE ABC OR NEBB CERTIFIED.
14. ALL EXPOSED ROUND DUCT IN AREAS WITHOUT CEILINGS SHALL BE DOUBLE WALL, ACOUSTICALLY INSULATED SPIRAL DUCT. DOUBLE WALL DUCT SHALL BE CONSTRUCTED OF AN OUTER SHELL, A 1" THICK LAYER OF FIBERGLASS INSULATION AND AN INNER METAL LINER. INNER LAYER SHALL HAVE A K FACTOR OF 0.26 BTU/HR/SQ FT OR LESS.	30. ALL FANS 1/8 H.P. AND ABOVE SHALL HAVE FUSED DISCONNECT SWITCHES MOUNTED AT THE FAN. IF APPROVED BY LOCAL AUTHORITIES, NON-FUSED DISCONNECT SWITCHES MAY BE USED. DISCONNECTS PROVIDED BY ELECTRICAL CONTRACTOR.
15. ALL SPRAL DUCT AND FITTINGS SHALL BE MANUFACTURED BY THE SAME FIRM AND MEET ASTM STANDARDS A653 AND A924. INSTALL IN ACCORDANCE WITH SMACNA STANDARDS.	31. ALL CONTROL WIRING SHALL BE RUN INSIDE WALLS OR ABOVE CEILINGS. IN UNFINISHED AREAS, ROUTE CONTROL WIRING INSIDE CONDUIT IN JOIST SPACE.
16. KITCHEN GREASE EXHAUST DUCT SHALL BE 18 GAGE STAINLESS STEEL, INSTALLED LIQUID TIGHT, AND PROTECTED WITHIN A RATED SHAFT FROM THE ROOF TERMINATION DOWN TO THE HOOD CONNECTION. MAINTAIN A MIN OF 6" CLEAR OF NON-COMBUSTIBLE MATERIALS AND A MIN OF 18" CLEAR OF COMBUSTIBLE MATERIALS. GREASE DUCT SHALL SLOPE TOWARDS THE HOOD OR A GREASE COLLECTION RESERVOIR.	32. FOR ALL UNITS OVER 2000 CFM PROVIDE SMOKE DETECTORS IN THE SUPPLY AND RETURN AIR DUCTS.
	33. HVAC SUBCONTRACTOR TO COORDINATE WITH ELECTRICAL SUBCONTRACTOR PRIOR TO STARTING ANY WORK OR ORDERING ANY MATERIALS TO INSURE COMPLETE COMPATIBILITY WITH ELECTRICAL SYSTEMS AND COMPLIANCE WITH ALL CODES. MECHANICAL SUBCONTRACTOR SHOULD VERIFY VOLTAGES, WIRE SIZES AND BREAKER SIZES AS PART OF THE COORDINATION.

SPLIT SYSTEM SCHEDULE																		
UNIT	INDOOR AIR HANDLING UNIT										OUTDOOR HEAT PUMP UNIT				MFR	MODEL	NOTES	
	SUPPLY CFM	OA CFM	ESP	MIN TOT CAP (MBH)	MIN SENS CAP (MBH)	EAT (DB)	EAT (WB)	FAN HP	ELEC HEAT (KW)	VOLT/PH	WEIGHT (LBS)	SEER2	AMB TEMP	VOLT/PH				WEIGHT (LBS)
AHUHP-A1,A2	800	SEE PLANS	0.5	18,000	-	80	67	1/2	3.5	208/1	160	15.2	95	208/1	96	GOODMAN	AWST18SU1305/GLZS4M1810	1, 2, 3
AHUHP-B1,B2	800	SEE PLANS	0.5	24,000	-	80	67	1/2	3.5	208/1	160	15.2	95	208/1	96	GOODMAN	AWST24SU1305/GLZS4M2410	1, 2, 3
AHUHP-B3	1000	SEE PLANS	0.5	30,000	-	80	67	1/2	3.5	208/1	160	15.5	95	208/1	96	GOODMAN	AWST30LU1305/GLZS4M3010	1, 2, 3
AHUHP-2.0	800	SEE PLANS	0.5	24,000	-	80	67	3/4	3.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST24BU1305/GLZS4B2410	1, 2, 3
AHUHP-2.5	1000	SEE PLANS	0.5	30,000	-	80	67	3/4	3.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST30BU1305/GLZS4B3010	1, 2, 3
AHUHP-3.0	1200	SEE PLANS	0.5	36,000	-	80	67	3/4	3.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST36CU1305/GLZS4B3610	1, 2, 3
AHUHP-3.5	1400	SEE PLANS	0.5	42,000	-	80	67	3/4	3.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST42CU1305/GLZS4B4210	1, 2, 3
AHUHP-4.0	1600	SEE PLANS	0.5	48,000	-	80	67	3/4	3.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST48CU1305/GLZS4B4810	1, 2, 3
AHUHP-GAME	800	SEE PLANS	0.5	24,000	-	80	67	3/4	3.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST24BU1305/GLZS4B2410	1, 2, 3
AHUHP-COMM	1200	DOAS	0.5	36,000	-	80	67	3/4	4.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST36CU1306/GLZS4B3610	1, 2, 3
AHUHP-LOUNGE	1200	DOAS	0.5	36,000	-	80	67	3/4	4.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST36CU1306/GLZS4B3610	1, 2, 3
AHUHP-THEATER	1200	SEE PLANS	0.5	36,000	-	80	67	3/4	4.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST36CU1306/GLZS4B3610	1, 2, 3
AHUHP-FIT	1400	SEE PLANS	0.5	42,000	-	80	67	3/4	6.0	208/1	167	15.2	95	208/1	96	GOODMAN	AMST42CU1308/GLZS4B4210	1, 2, 3
AHUHP-CLUB	1600	DOAS	0.5	48,000	-	80	67	3/4	3.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST48CU1305/GLZS4B4810	1, 2, 3
AHUHP-LEASE	2000	DOAS	0.5	60,000	-	80	67	1.0	7.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST60CU1310/GLZS4B6010	1, 2, 3
AHUHP-BISTRO	2000	DOAS	0.5	60,000	-	80	67	1.0	7.5	208/1	167	15.2	95	208/1	96	GOODMAN	AMST60CU1310/GLZS4B6010	1, 2, 3

NOTES:

- PROVIDE WITH 24 HOUR, 7 DAY PROGRAMMABLE THERMOSTAT.
- PROVIDE FACTORY INSTALLED ELECTRIC HEAT WITH THERMAL OVERLOADS AND SINGLE POWER CONNECTION. FILTER SECTION WITH 1" FILTER, AHUHP INTERLOCK, COMPRESSOR SHORT CYCLE PROTECTION, FACTORY INSTALLED INTERNAL DISCONNECT AT AHU, CRANKCASE HEATER, LONG LINE SET IF REFRIGERANT RUN IS OVER 80'. ELECTRONIC 7-DAY PROGRAMMABLE THERMOSTAT, TIME DELAY & TX VALVE, COMPRESSOR START ASSIST, HIGH AND LOW PRESSURE SWITCHES. ROUTE REFRIGERANT LINE TO HEAT PUMP UNITS LOCATED ON ROOF. ALL REFRIGERANT LINES TO BE SIZED PER MANUFACTURERS RECOMMENDATIONS.
- COMPRESSOR SHALL LOCK OUT UPON ACTIVATION OF ELECTRIC HEAT.

PACKAGED ROOFTOP UNIT SCHEDULE																	
UNIT TAG	SUPPLY CFM	OA CFM	ESP	MIN TOT CAP (MBH)	MIN SENS CAP (MBH)	EAT (DB)	EAT (WB)	AMB TEMP	EER/SEER	FAN HP	GAS HEAT I/O (MBH)	HEAT EFF	VOLT/PH	WEIGHT (LBS)	MFR	MODEL	NOTES
RTU-KITCHEN	3000	1600	0.8	93,400	71,100	80	67	95	11.2/-	2.0	180/148	82	208/3	1050	CARRIER	48FEEM08A2A5	1, 2, 3, 4, 5, 6
RTU-DINING	3780	1607	0.8	185.9	111.5	83.9	54.9	95.5	10.8/-	1.5	200/162	81	208/3	1930	GREENHECK	RT-70-15J-G-G0	1, 2, 3, 4, 5, 6
DOAS-1	2200	2200	0.8	198.5	94.3	95.5	79.7	95.5	ISMRE2=3.8	1.0	200/162	81	208/3	2300	GREENHECK	RV-40-15I-G-E2	1, 2, 3, 4

NOTES:

- PROVIDE WITH 24 HOUR, 7 DAY PROGRAMMABLE THERMOSTAT.
- PROVIDE WITH MANUFACTURER'S 14 INCH CURB.
- PROVIDE WITH SINGLE POINT POWER CONNECTION, INTEGRAL DISCONNECT, AND INTEGRAL OUTLET.
- PROVIDE WITH SMOKE DETECTORS IN UNIT SUPPLY AND RETURN.
- PROVIDE WITH TWO STAGE COOLING.
- PROVIDE BAROMETRIC ECONOMIZER.

DUCTLESS SPLIT SYSTEM SCHEDULE																		
UNIT	INDOOR AIR HANDLING UNIT										OUTDOOR HEAT PUMP UNIT				MODEL	NOTES		
	SUPPLY CFM	OA CFM	ESP	MIN TOT CAP (MBH)	MIN SENS CAP (MBH)	EAT (DB)	EAT (WB)	FAN HP	HEATING (MBH)	VOLT/PH	WEIGHT (LBS)	EER/SEER	AMB TEMP	VOLT/PH			WEIGHT (LBS)	
FCU-1.0	400	-	-	11,000	8,394	80	67	-	11,300	208/1	20	8.5/17.0	95	208/1	57	DAIKIN	FTXB12AXVJU / RXB12AXVJU	1, 2, 3, 4, 5

NOTES:

- PROVIDE WITH 24 HOUR, 7 DAY PROGRAMMABLE THERMOSTAT.
- PROVIDE WITH CONDENSATE PUMP WITH CONDENSATE TO EXTERIOR OF BUILDING.
- PROVIDE WITH MANUFACTURER'S LOW AMBIENT KIT. UNIT SHALL BE CAPABLE OF OPERATING IN COOLING MODE DOWN TO 0 DEGREES F.
- COMPRESSOR SHALL LOCK OUT UPON ACTIVATION OF ELECTRIC HEAT.
- UNIT SHALL HAVE SINGLE POINT POWER CONNECTION.

FAN SCHEDULE													
UNIT	SERVICE	FAN TYPE	CFM	ESP	SONES	DRIVE	FAN RPM	POWER	VOLT/PH	WEIGHT (LBS)	MFR	MODEL	NOTES
EF-1	TOILET EXH	CABINET	70	0.375	-	DIRECT	790	25 W	120/1	15	BROAN	LP80	1
EF-A	TOILET EXH	CABINET	75	0.375	-	DIRECT	750	26 W	120/1	25	BROAN	LP110	2
EF-B	TOILET EXH	CABINET	150	0.375	-	DIRECT	750	34 W	120/1	25	BROAN	L200E	2
EF-C	POOL EQUIP	CABINET	480	0.375	-	DIRECT	-	-	120/1	-	-	-	3
EF-D	CHEM STORAGE	CABINET	110	0.375	-	DIRECT	-	-	120/1	-	-	-	3

GENERAL NOTES: APPLY TO ALL FANS UNLESS NOTED OTHERWISE.

- ALL FANS SHALL BE UL LISTED AND AMCA CERTIFIED.
- PROVIDE WITH MANUFACTURER'S VIBRATION ISOLATORS, SPEED CONTROLLER, AND RADIATION DAMPER.
- PROVIDE WITH MANUFACTURER'S INTEGRAL DISCONNECT.
- ALL EXHAUST FANS SHALL BE PROVIDED WITH BACKDRAFT DAMPER.

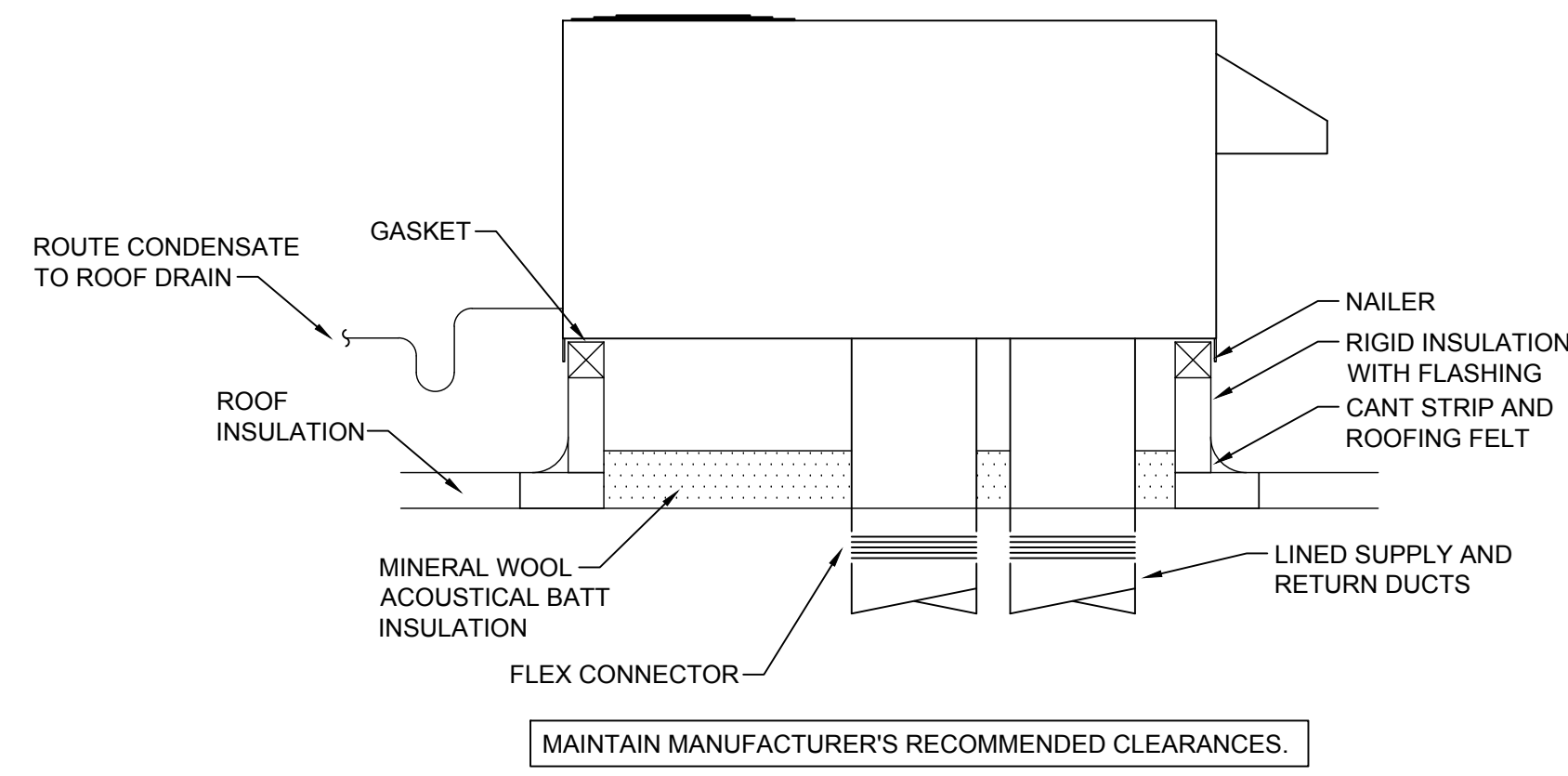
NOTES:

- PROVIDE WITH MOTOR RATED SWITCH ADJACENT TO LIGHT SWITCH AND WITHIN SAME COVERPLATE.
- INTERLOCK WITH LIGHT SWITCH IN SPACE.
- FAN TO BE CORROSION RESISTANT AND WIRED TO RUN CONTINUOUS.

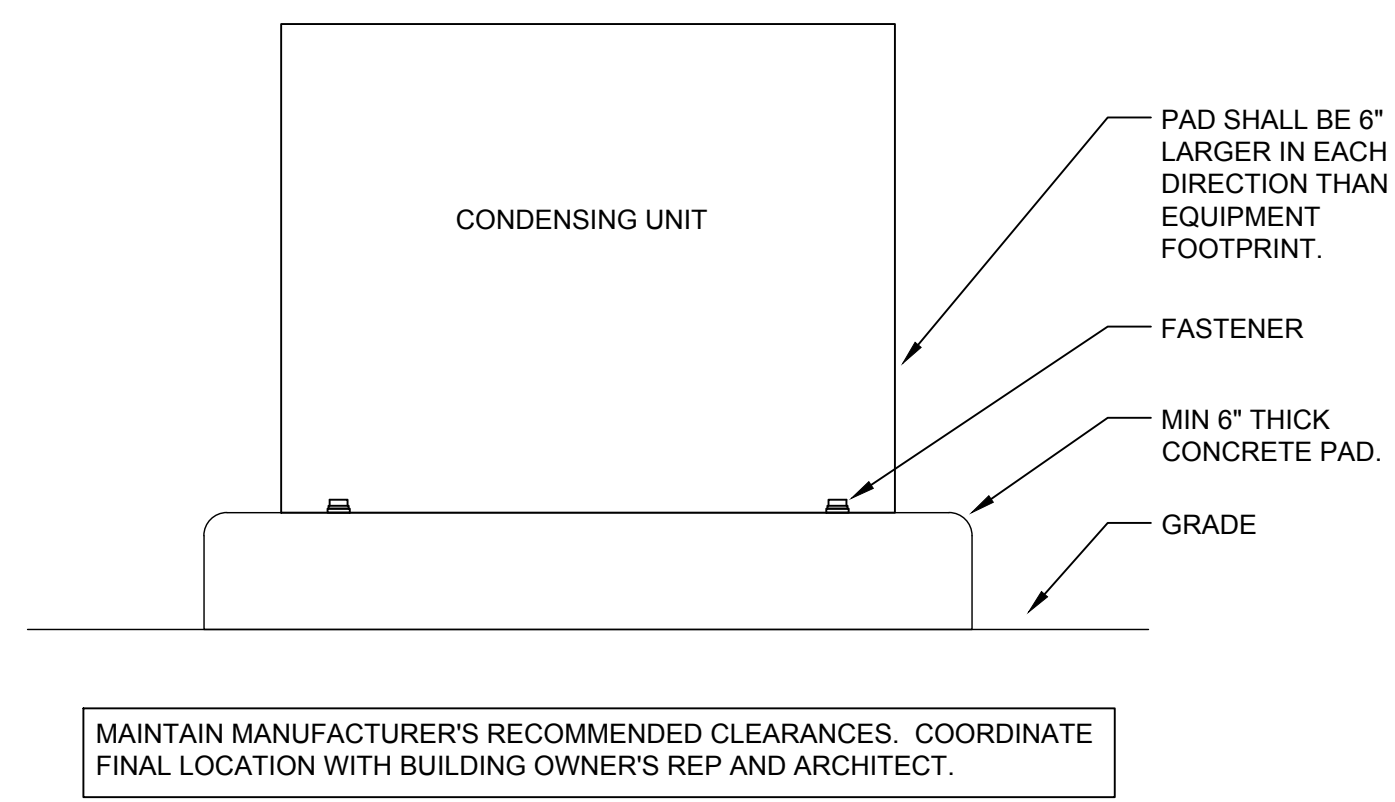
HEATER SCHEDULE									
UNIT	SERVICE	TYPE	HEAT KW	CFM	VOLT/PH	WEIGHT (LBS)	MANUFACTURER	MODEL	NOTES
EWH-2.0	RISER ROOM	WALL	2.0	-	120/1	25	QMARK	AWH	1, 2

GENERAL NOTE: ALL HEATERS SHALL BE OF COMMERCIAL STANDARD AND MEET ALL UL, NEC, AND OSHA REQUIREMENTS. ALL HEATERS SHAL HAVE AUTO THERMAL CUTOFF.

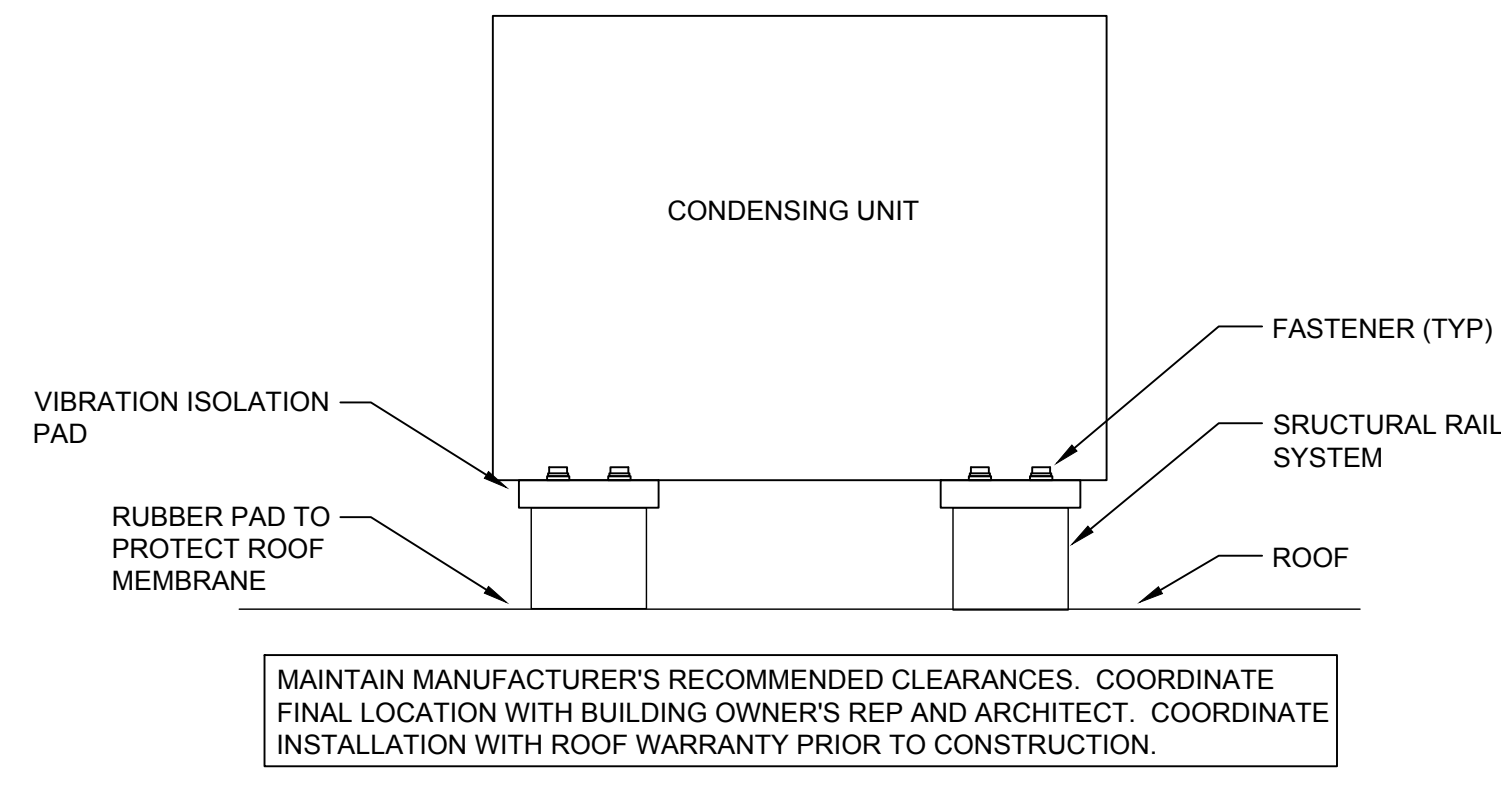
- PROVIDE WITH INTEGRAL THERMOSTAT.
- WALL HEATER SHALL BE FULLY RECESSED / SEMI-RECESSED / SURFACE MOUNT.



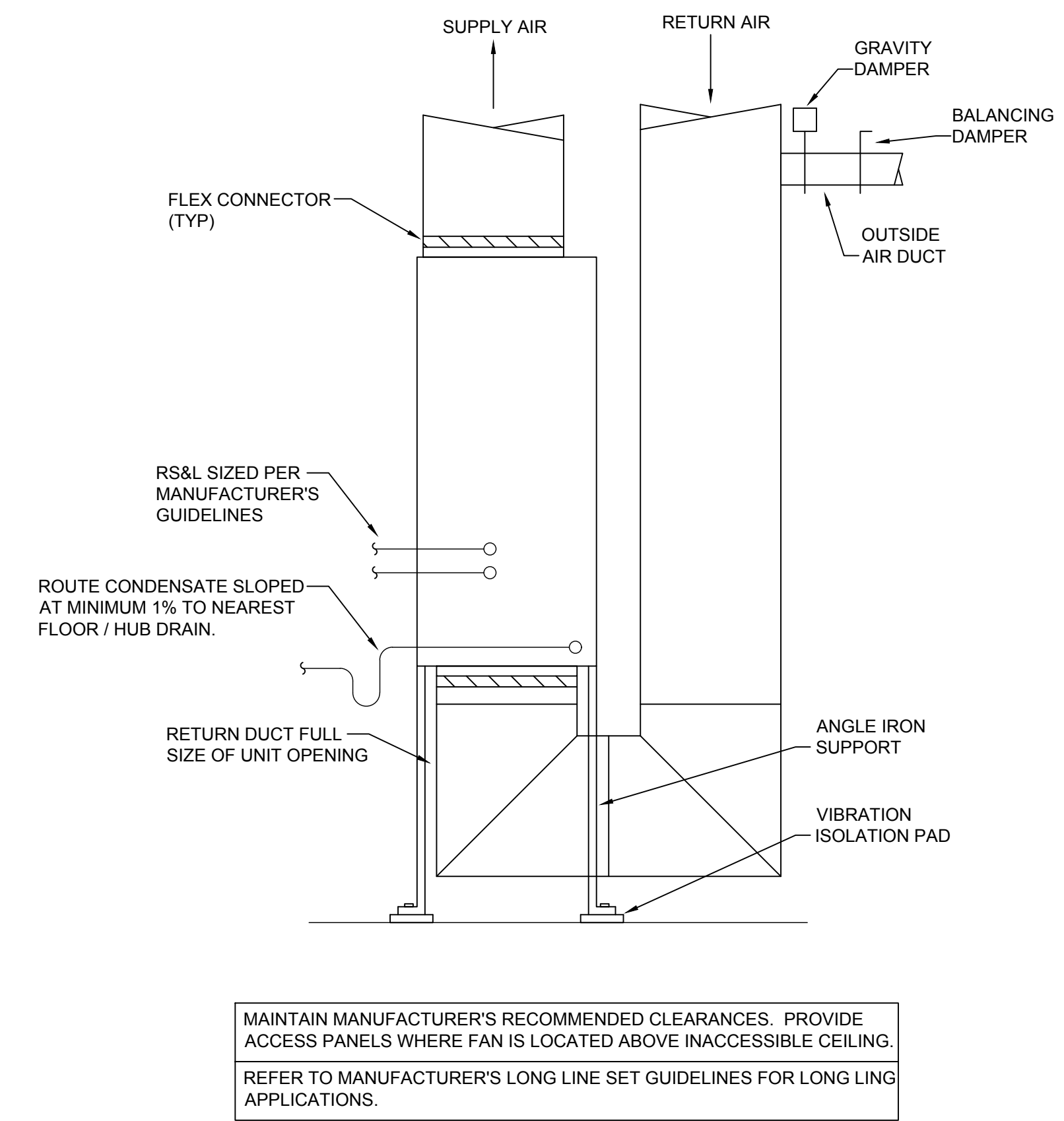
**1 ROOFTOP UNIT DETAIL**  
NTS



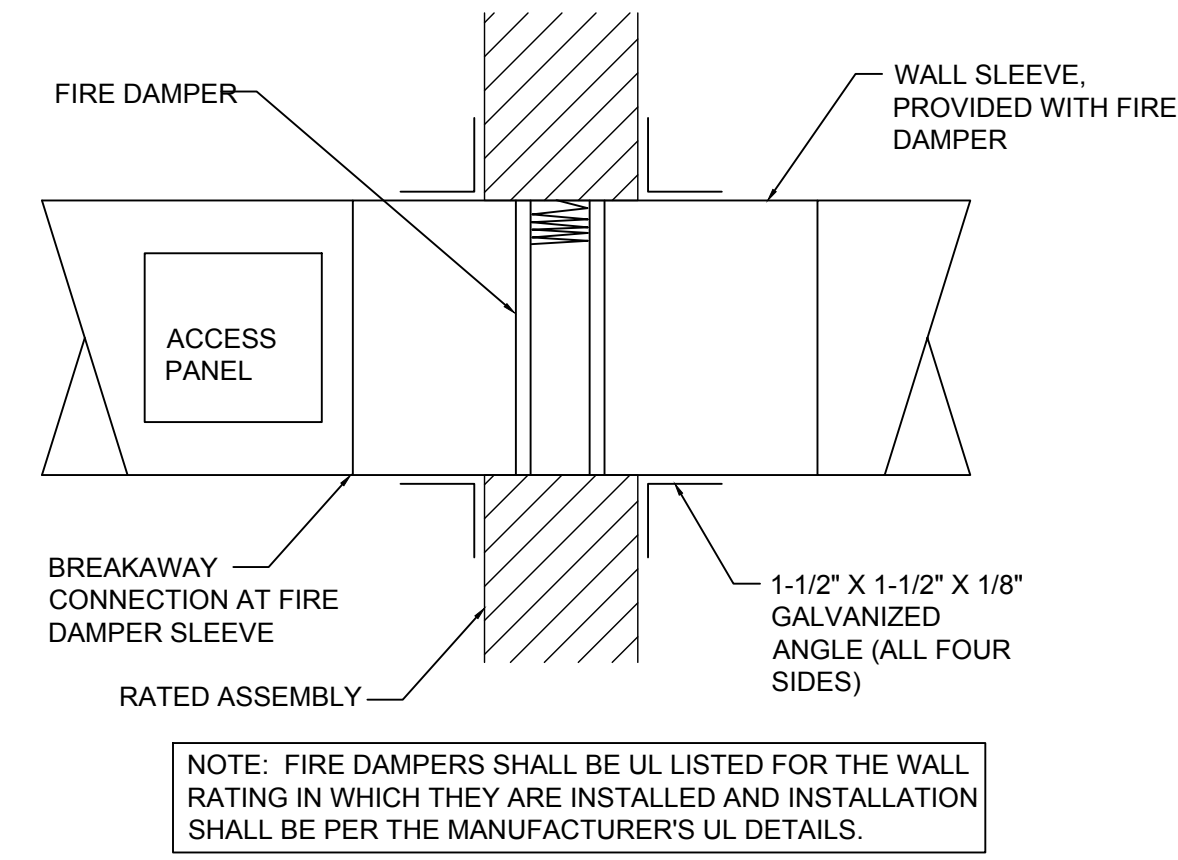
**2 CONDENSING UNIT ON GRADE DETAIL**  
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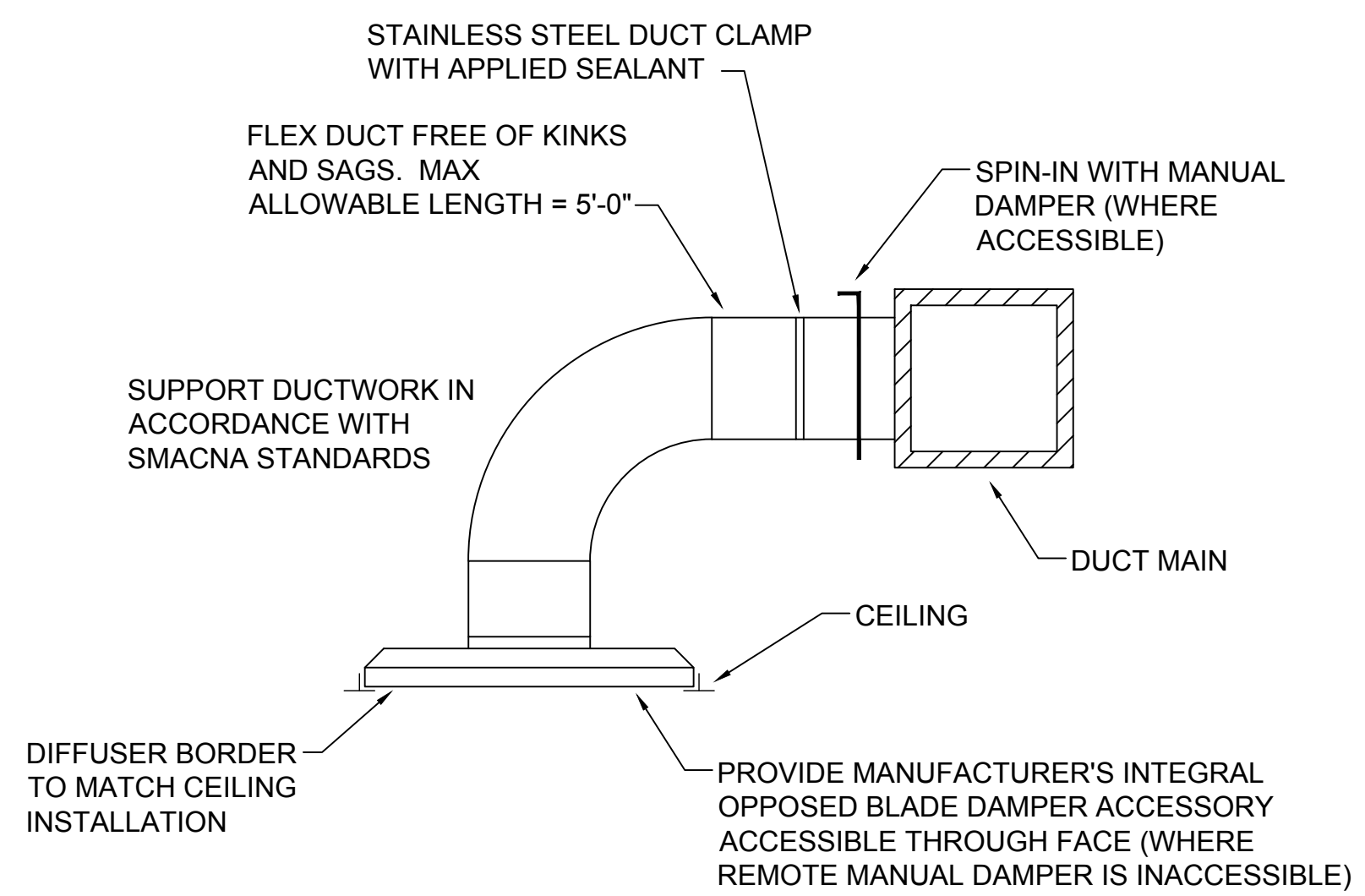
**3 CONDENSING UNIT ON ROOF DETAIL**  
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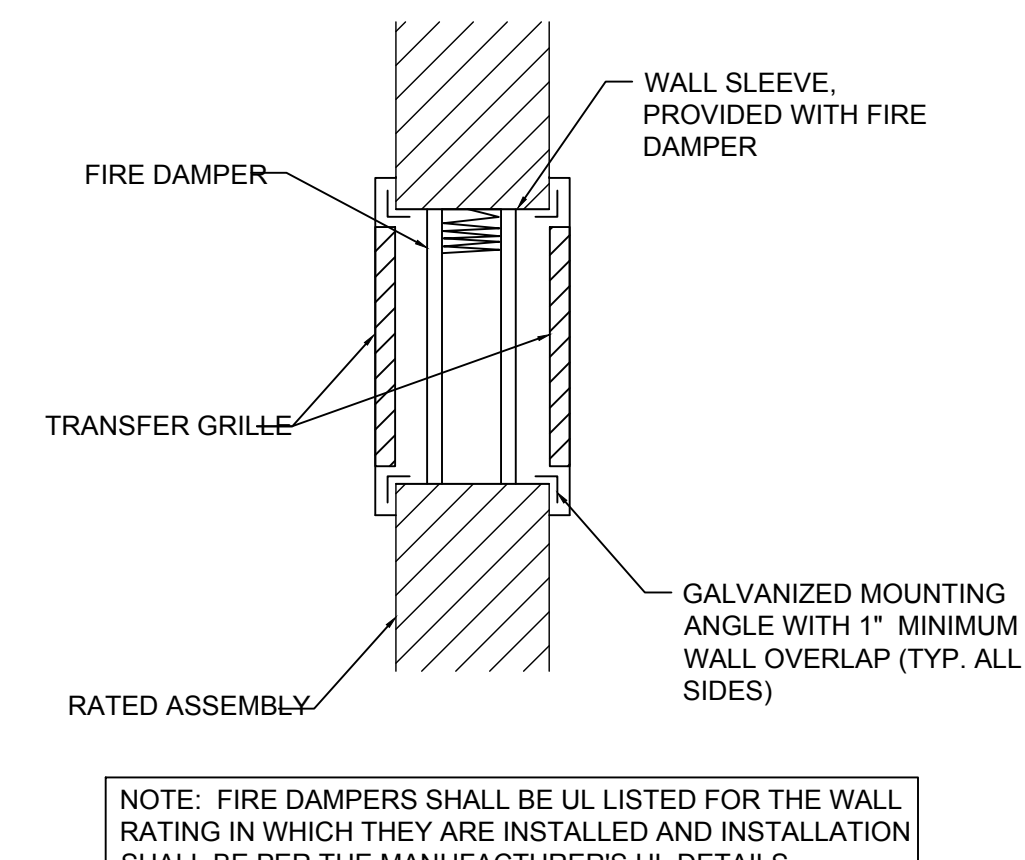
**4 SPLIT SYSTEM DETAIL VERTICAL**  
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**5 FIRE DAMPER DETAIL**  
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**6 DIFFUSER DETAIL**  
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**7 TRANSFER W/FIRE DAMPER DETAIL**  
NTS

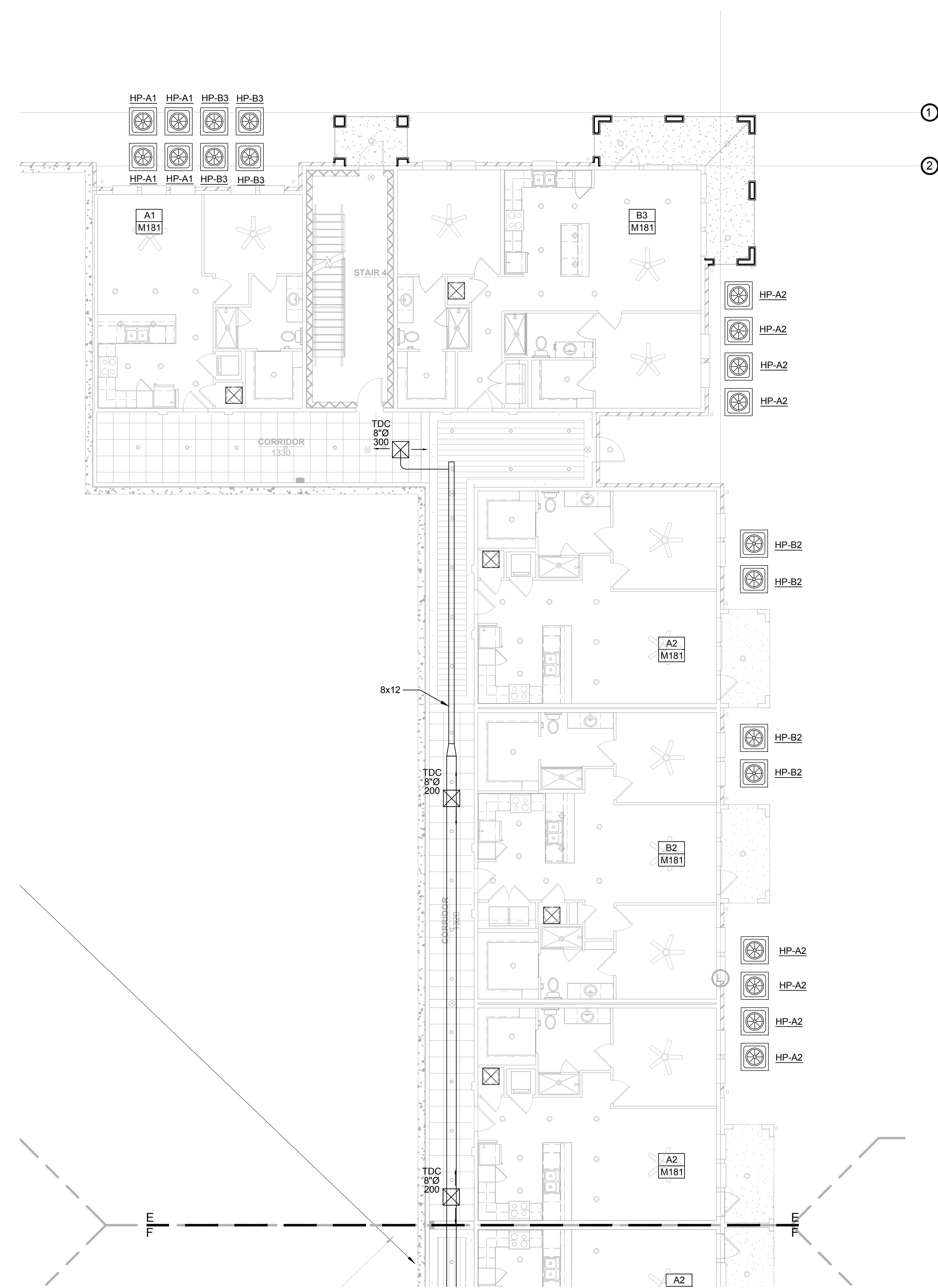
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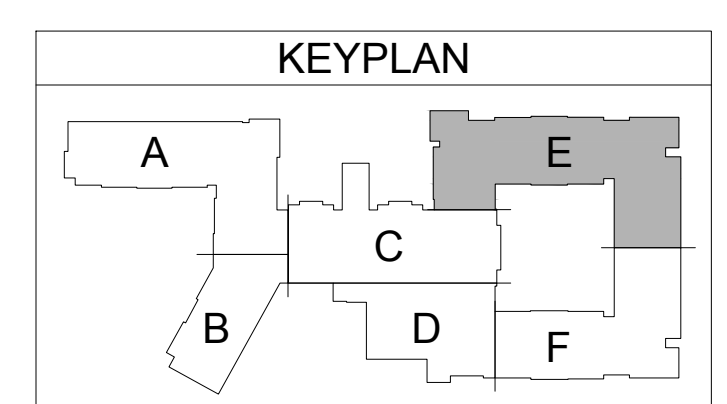
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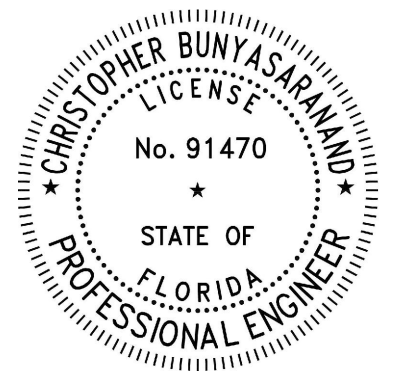
1 1ST FLOOR PLAN - AREA E - MECHANICAL  
1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

KEYNOTES	
①	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP, GREENHECK MODEL RCC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
②	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO EXTERIOR. PROVIDE WITH GRAVITY DAMPER AND TERMINATE WITH WEATHERPROOF INTAKE CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
③	TOILET EXHAUST DUCT UP TO EXTERIOR SIZED AS INDICATED. TERMINATE AT EXTERIOR WALL WITH WEATHERPROOF EXHAUST CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
④	INTAKE CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY EXHAUST TERMINATIONS.
⑤	EXHAUST CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY OUTSIDE AIR INTAKES.
⑥	PROVIDE NEW THERMOSTAT PER BASE BUILDING STANDARD. COORDINATE EXACT MANUFACTURER AND MODEL WITH BUILDING ENGINEER PRIOR TO ORDERING AND INSTALLATION.
⑦	UNDERCUT DOOR AT 3/4" OR MAXIMUM CODE ACCEPTABLE DISTANCE.
⑧	ROUTE CONDENSATE TO NEAREST HUD DRAIN OR FLOOR DRAIN. PROVIDE CONDENSATE PUMP AS NEEDED.



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BUNYASARANAND  
FL LICENSE #91470

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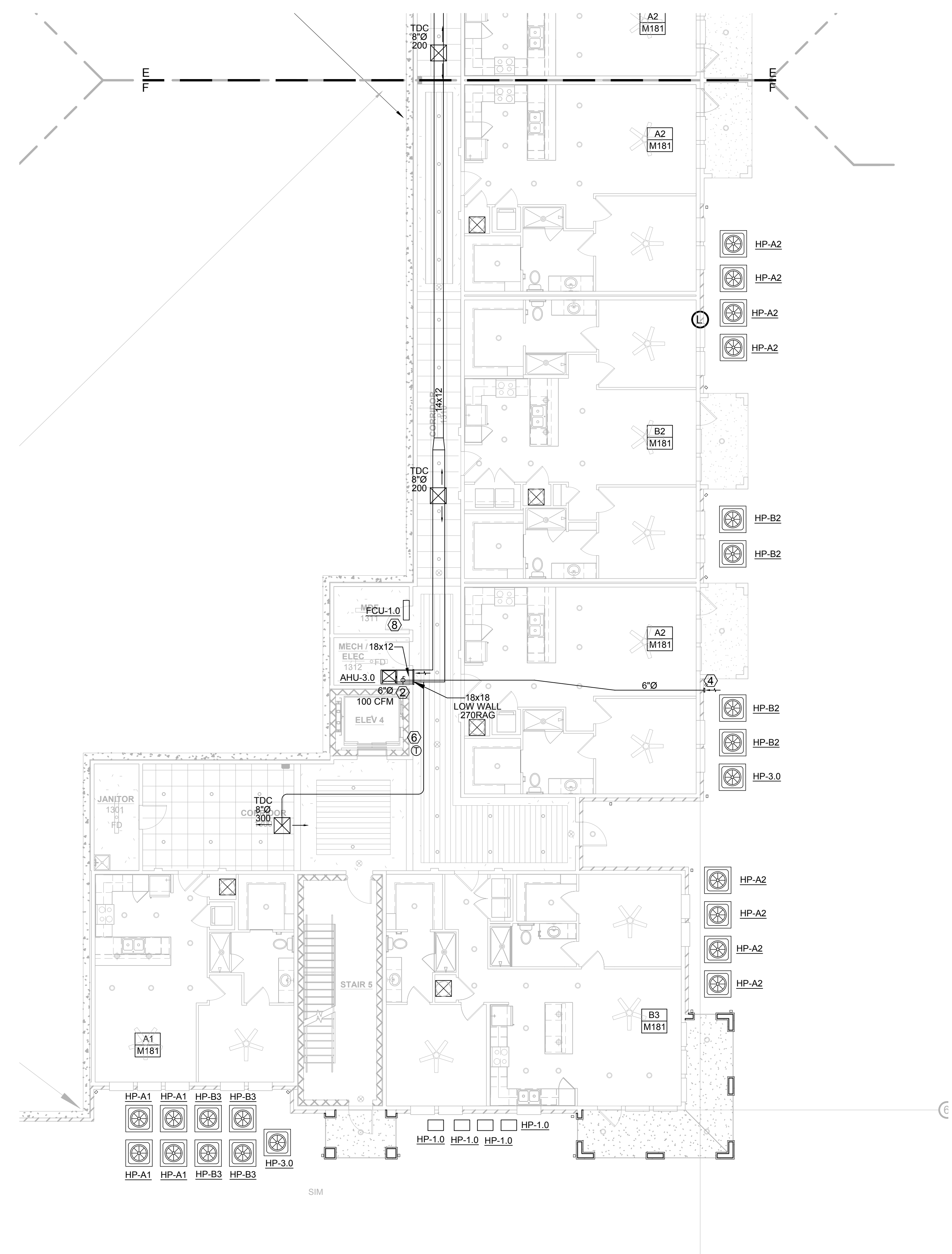


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TALLAHASSEE, FLORIDA  
PROJECT NUMBER: 25-0039

FLOOR PLAN - 1ST LEVEL  
- AREA F -  
- MECHANICAL

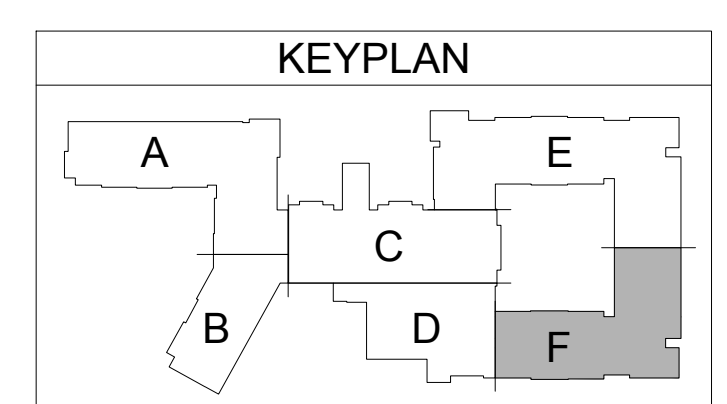
M111F



GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

KEYNOTES	
①	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP, GREENHECK MODEL RCC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
②	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO EXTERIOR. PROVIDE WITH GRAVITY DAMPER AND TERMINATE WITH WEATHERPROOF INTAKE CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
③	TOILET EXHAUST DUCT UP TO EXTERIOR SIZED AS INDICATED. TERMINATE AT EXTERIOR WALL WITH WEATHERPROOF EXHAUST CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
④	INTAKE CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY EXHAUST TERMINATIONS.
⑤	EXHAUST CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY OUTSIDE AIR INTAKES.
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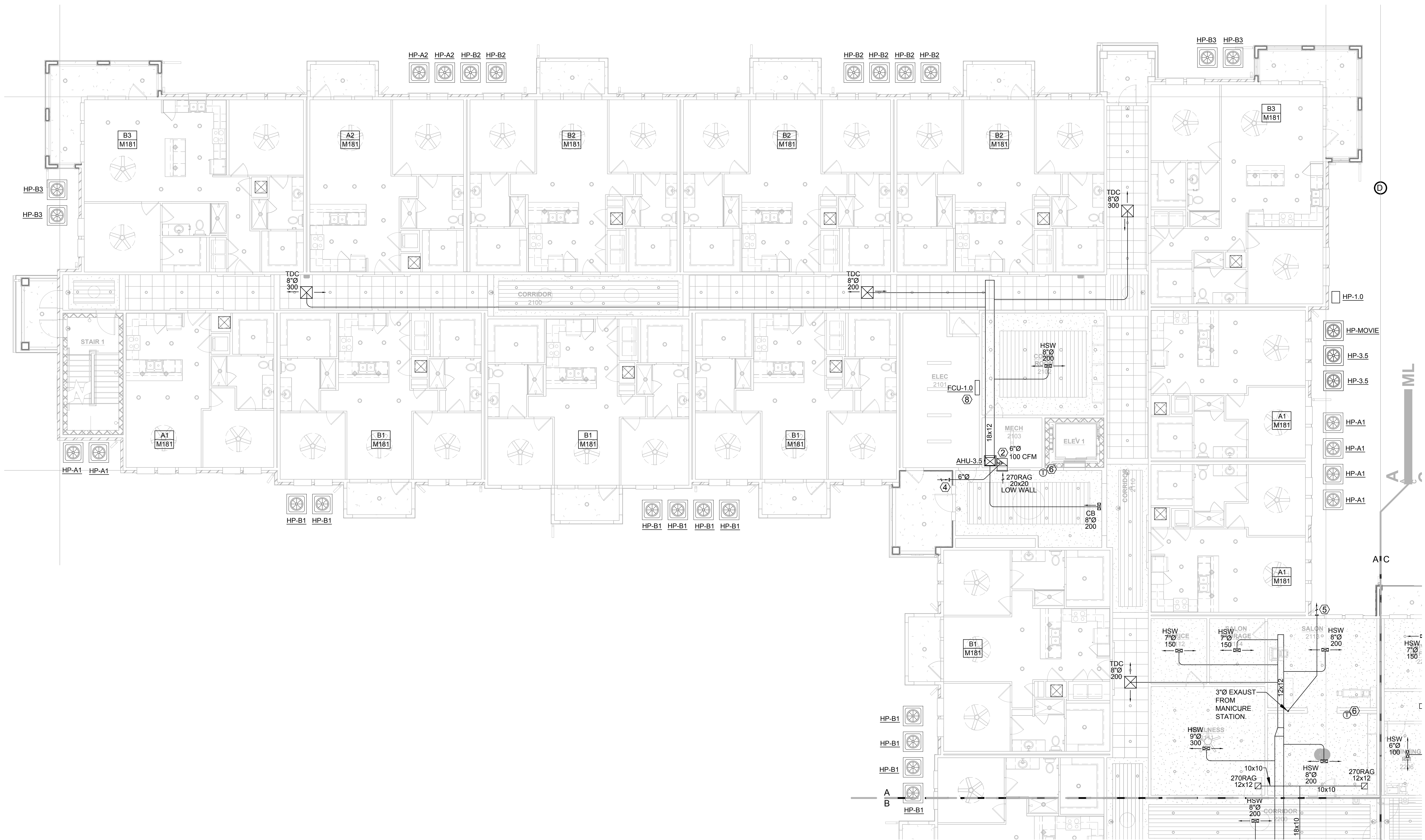
1 1ST FLOOR PLAN - AREA F - MECHANICAL  
1/8" = 1'-0"



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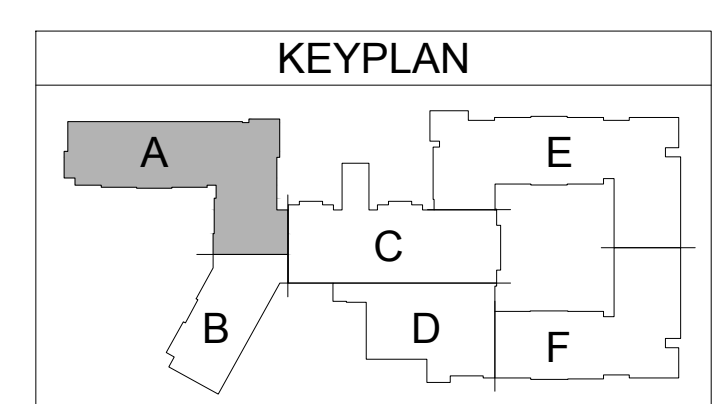


**1 2ND FLOOR PLAN - AREA A - MECHANICAL**  
1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

KEYNOTES	
①	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP, GREENHECK MODEL RCC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
②	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO EXTERIOR. PROVIDE WITH GRAVITY DAMPER AND TERMINATE WITH WEATHERPROOF INTAKE CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
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⑥	PROVIDE NEW THERMOSTAT PER BASE BUILDING STANDARD. COORDINATE EXACT MANUFACTURER AND MODEL WITH BUILDING ENGINEER PRIOR TO ORDERING AND INSTALLATION.



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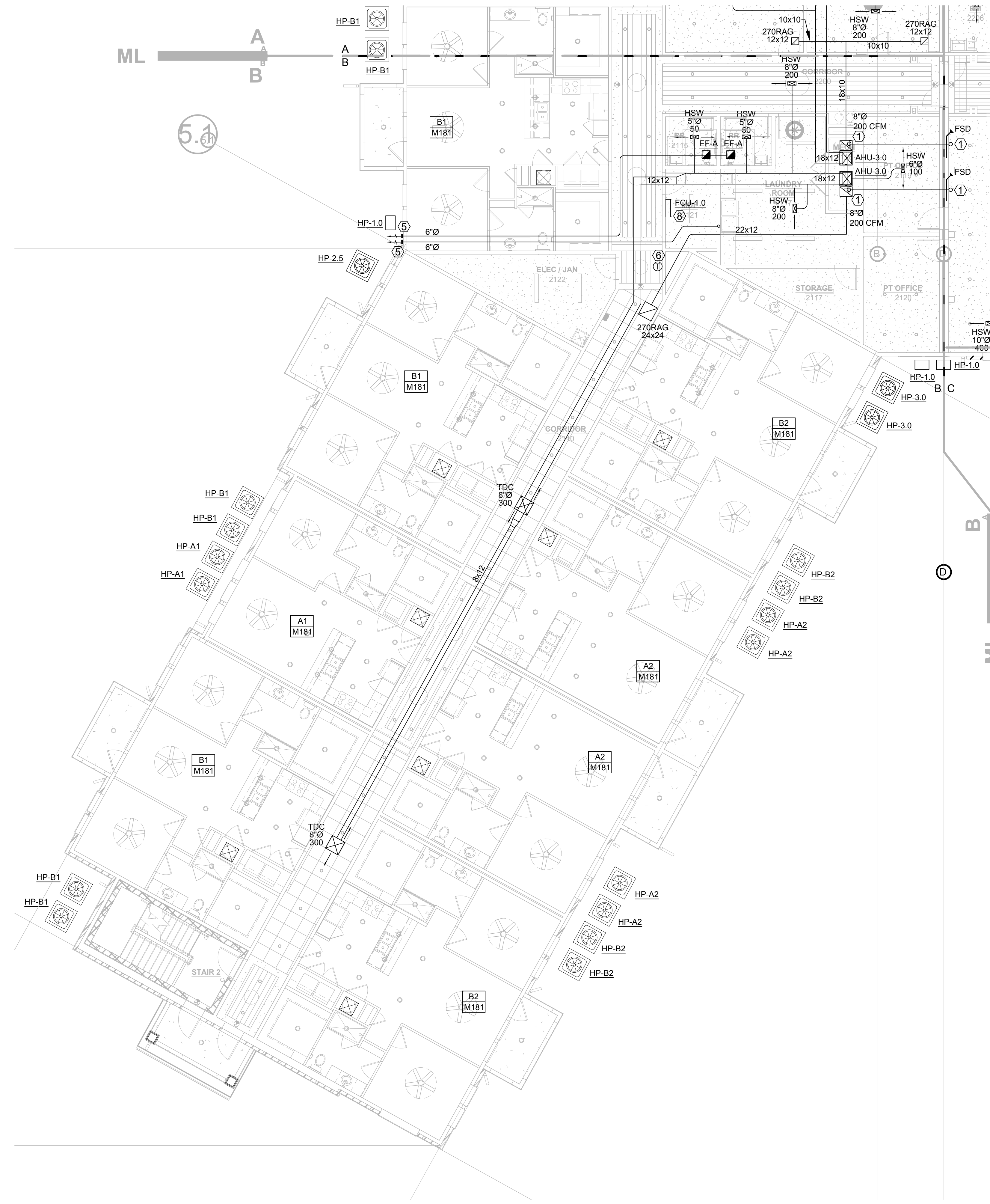
FLOOR PLAN - 2ND LEVEL  
- AREA A  
- MECHANICAL

**M112A**

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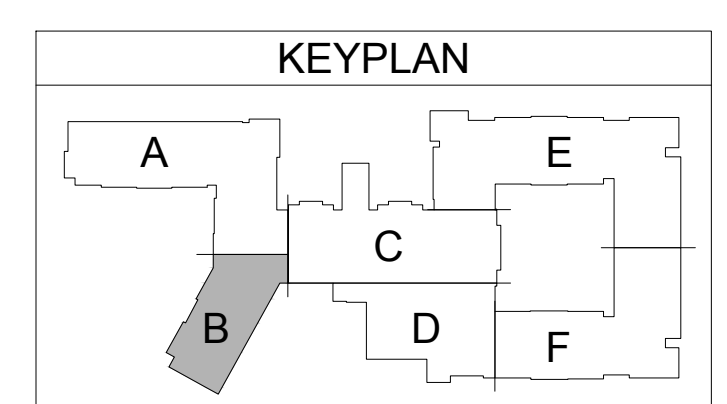


1 2ND FLOOR PLAN - AREA B - MECHANICAL  
1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

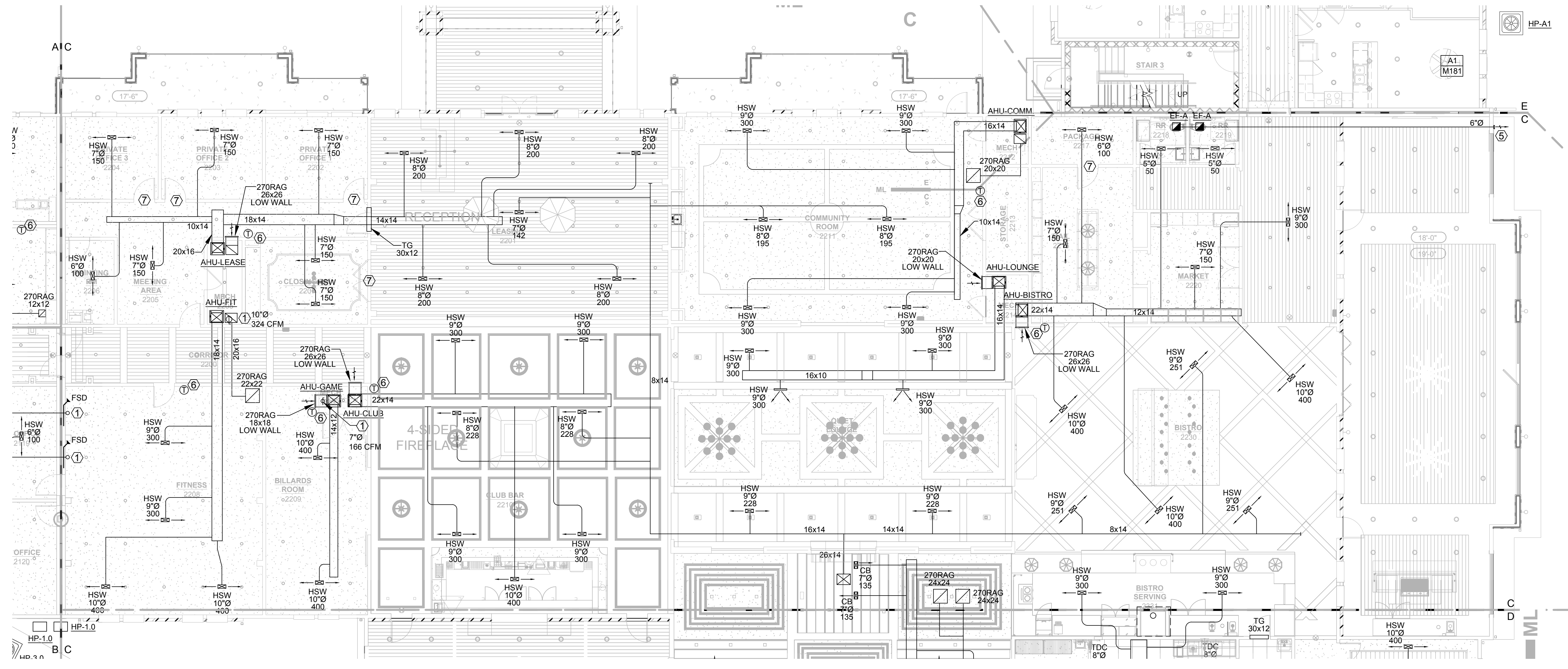
KEYNOTES	
①	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP, GREENHECK MODEL RGC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
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④	INTAKE CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY EXHAUST TERMINATIONS.
⑤	EXHAUST CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY OUTSIDE AIR INTAKES.
⑥	PROVIDE NEW THERMOSTAT PER BASE BUILDING STANDARD. COORDINATE EXACT MANUFACTURER AND MODEL WITH BUILDING ENGINEER PRIOR TO ORDERING AND INSTALLATION.



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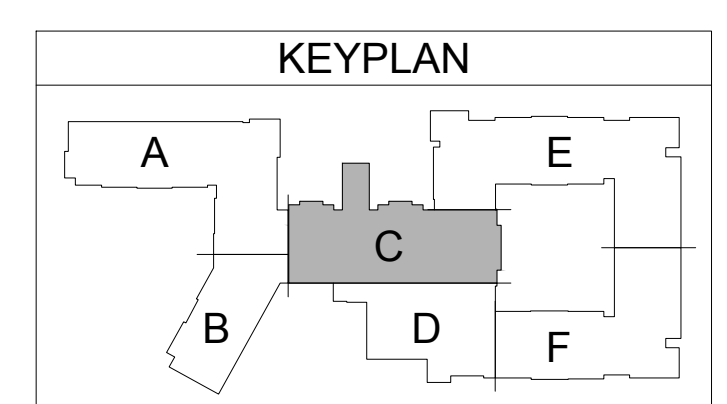
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**1 2ND FLOOR PLAN - AREA C - MECHANICAL**  
1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

KEYNOTES	
①	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP, GREENHECK MODEL RCC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
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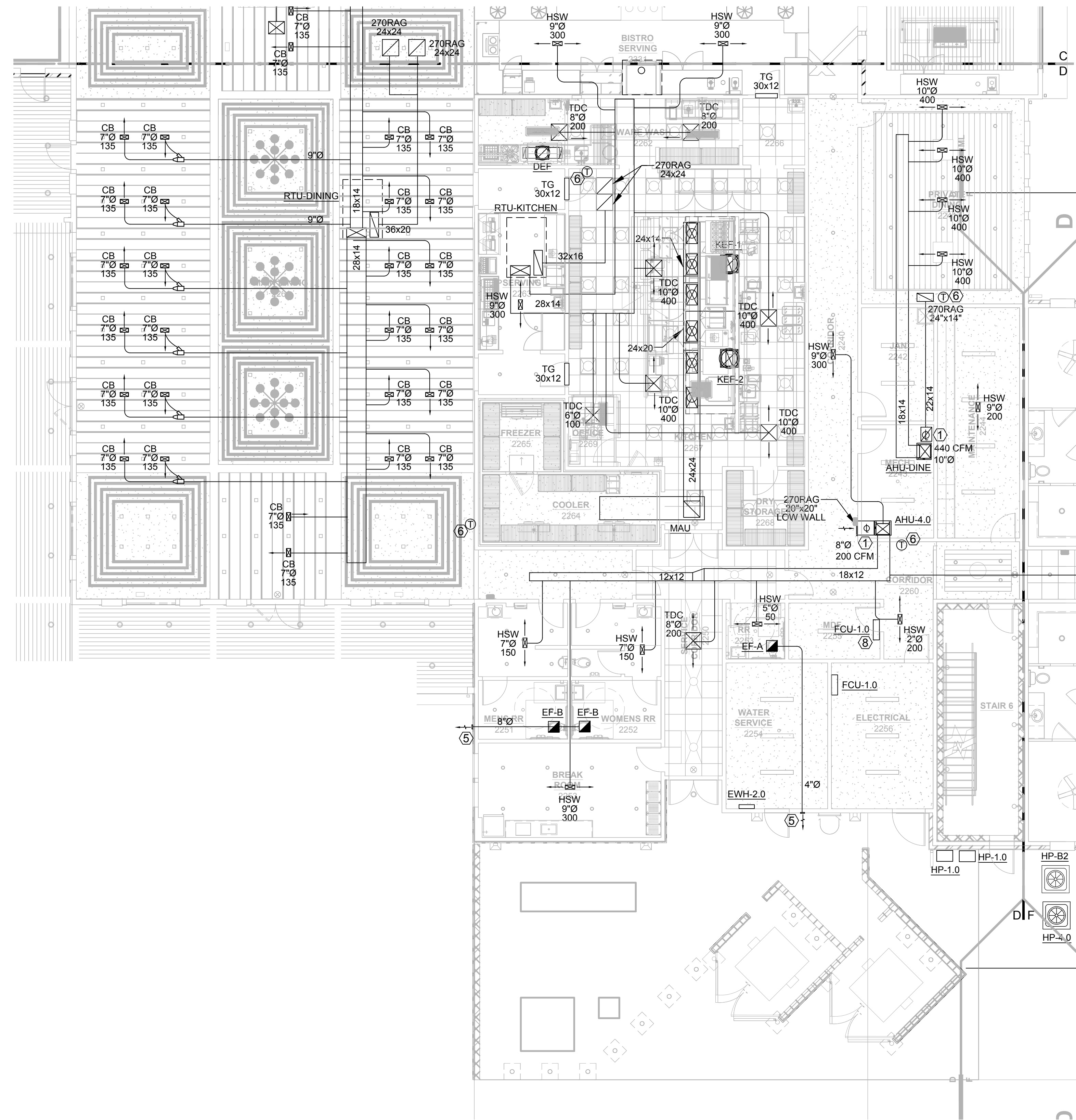
FLOOR PLAN - 2ND LEVEL  
- AREA C  
- MECHANICAL

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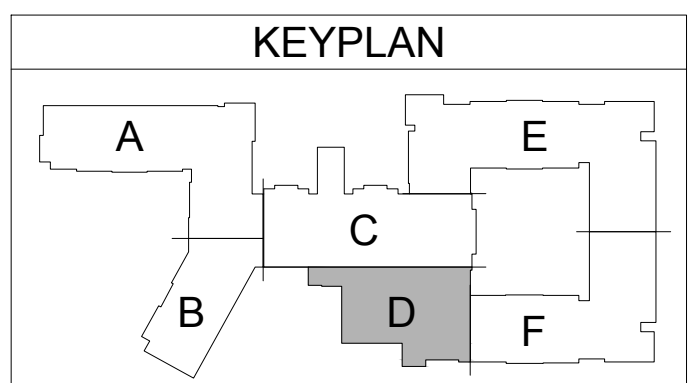
**1** 2ND FLOOR PLAN - AREA D - MECHANICAL  
1/8" = 1'-0"

**GENERAL NOTES**

- COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
- MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
- MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

**KEYNOTES**

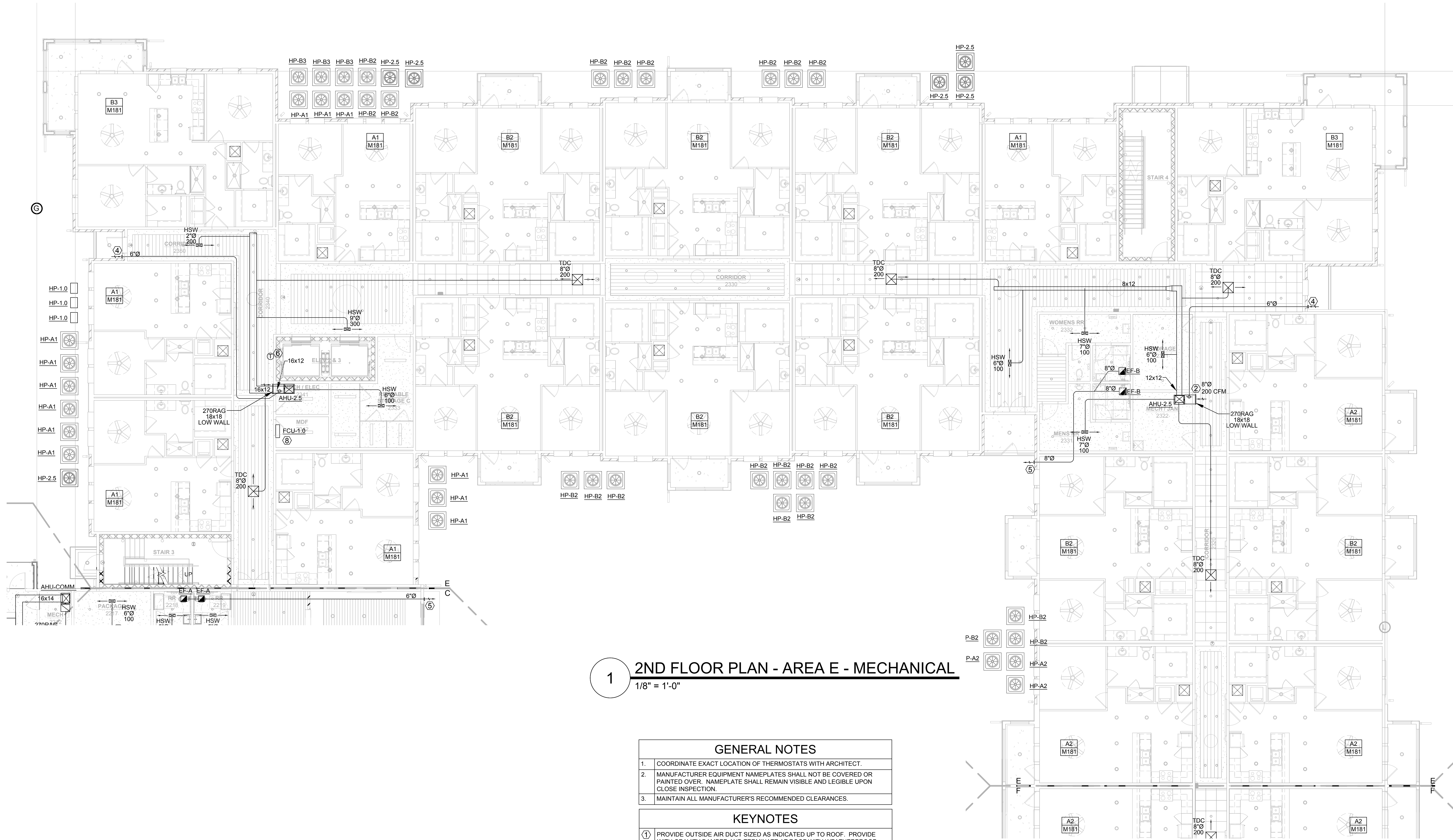
- PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP, GREENHECK MODEL RCC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
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- INTAKE CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY EXHAUST TERMINATIONS.
- EXHAUST CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY OUTSIDE AIR INTAKES.
- PROVIDE NEW THERMOSTAT PER BASE BUILDING STANDARD. COORDINATE EXACT MANUFACTURER AND MODEL WITH BUILDING ENGINEER PRIOR TO ORDERING AND INSTALLATION.



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FLOOR PLAN - 2ND LEVEL  
- AREA D  
- MECHANICAL

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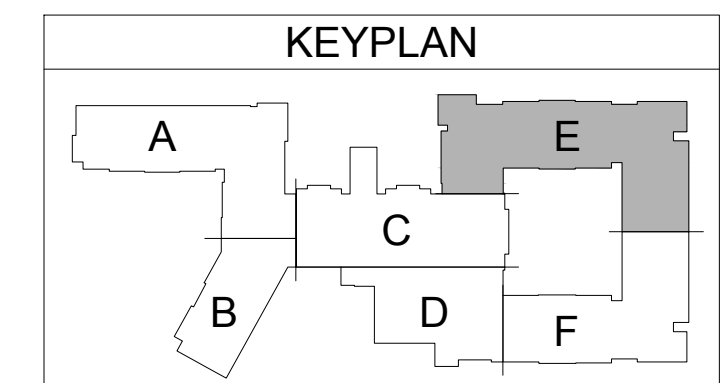


1 2ND FLOOR PLAN - AREA E - MECHANICAL  
1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

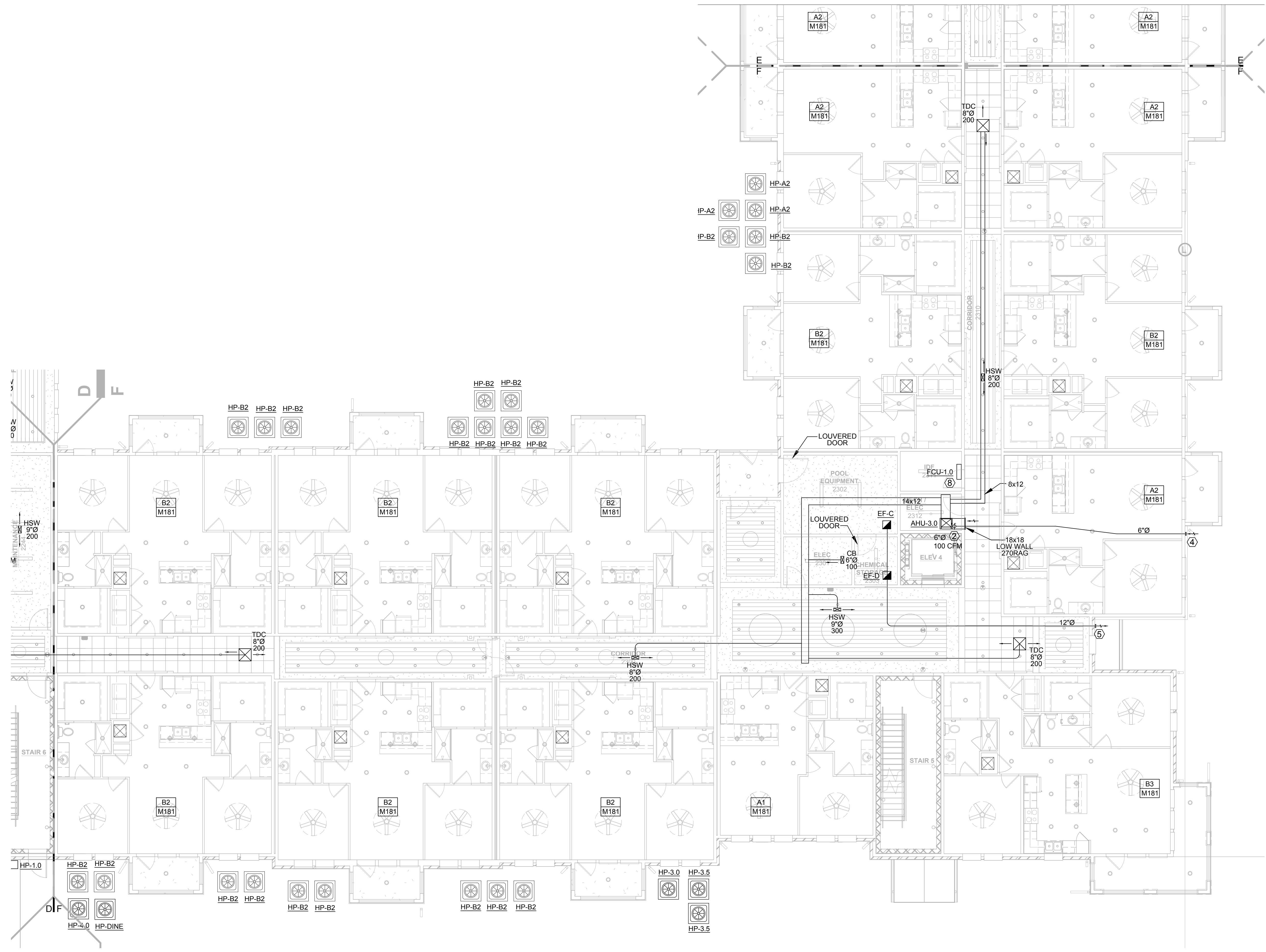
KEYNOTES	
①	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP. GREENHECK MODEL RCC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
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**1 2ND FLOOR PLAN - AREA F - MECHANICAL**  
1/8" = 1'-0"

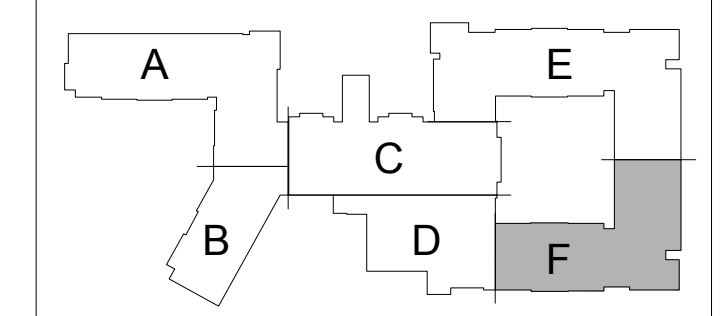
**GENERAL NOTES**

- COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
- MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
- MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

**KEYNOTES**

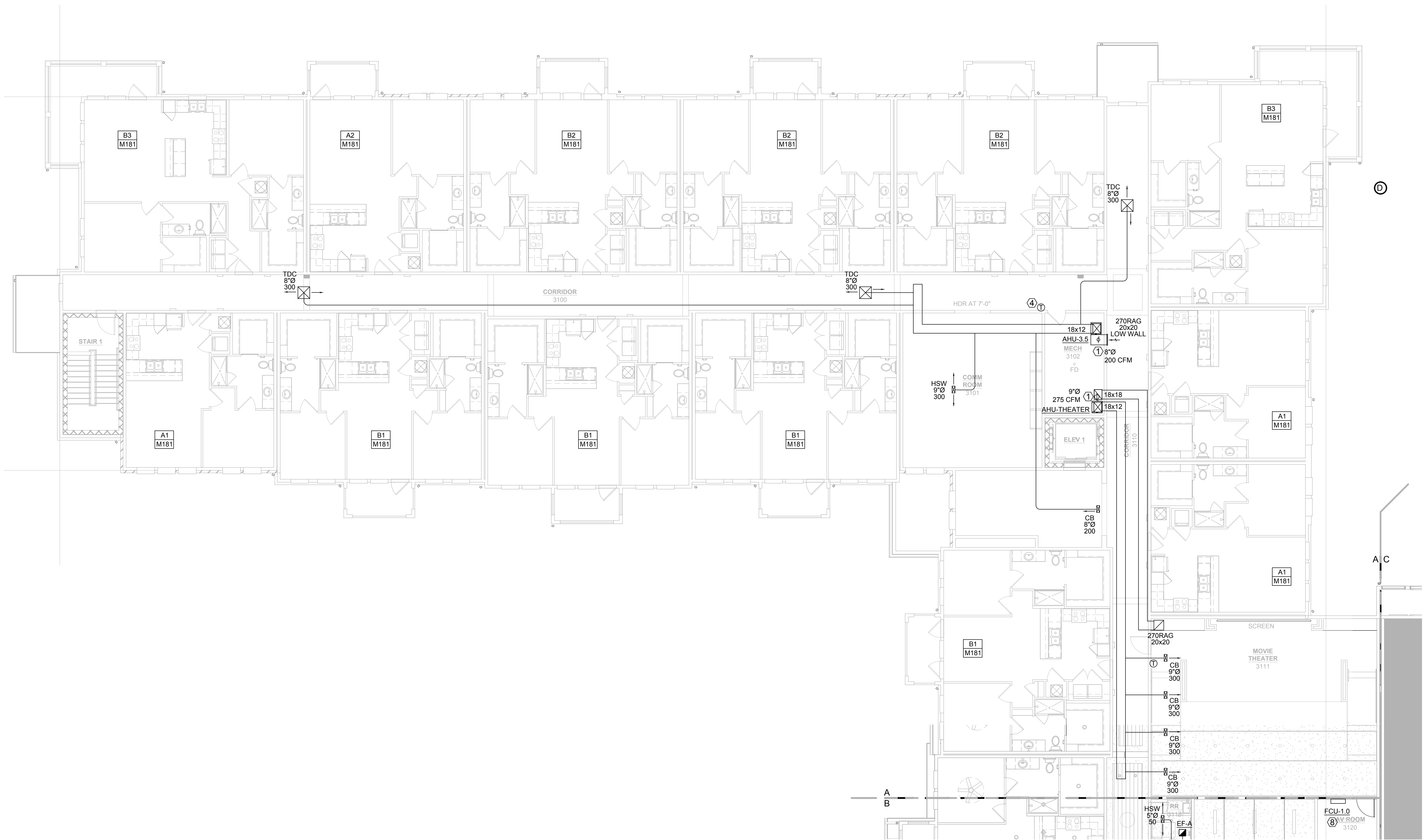
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**KEYPLAN**



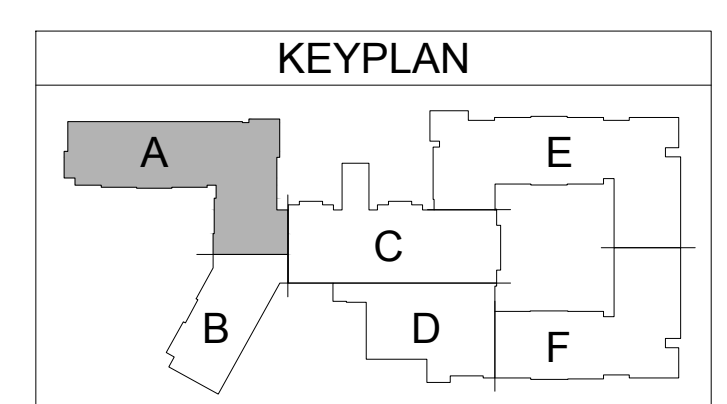
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**1 3RD FLOOR PLAN - AREA A - MECHANICAL**  
 1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
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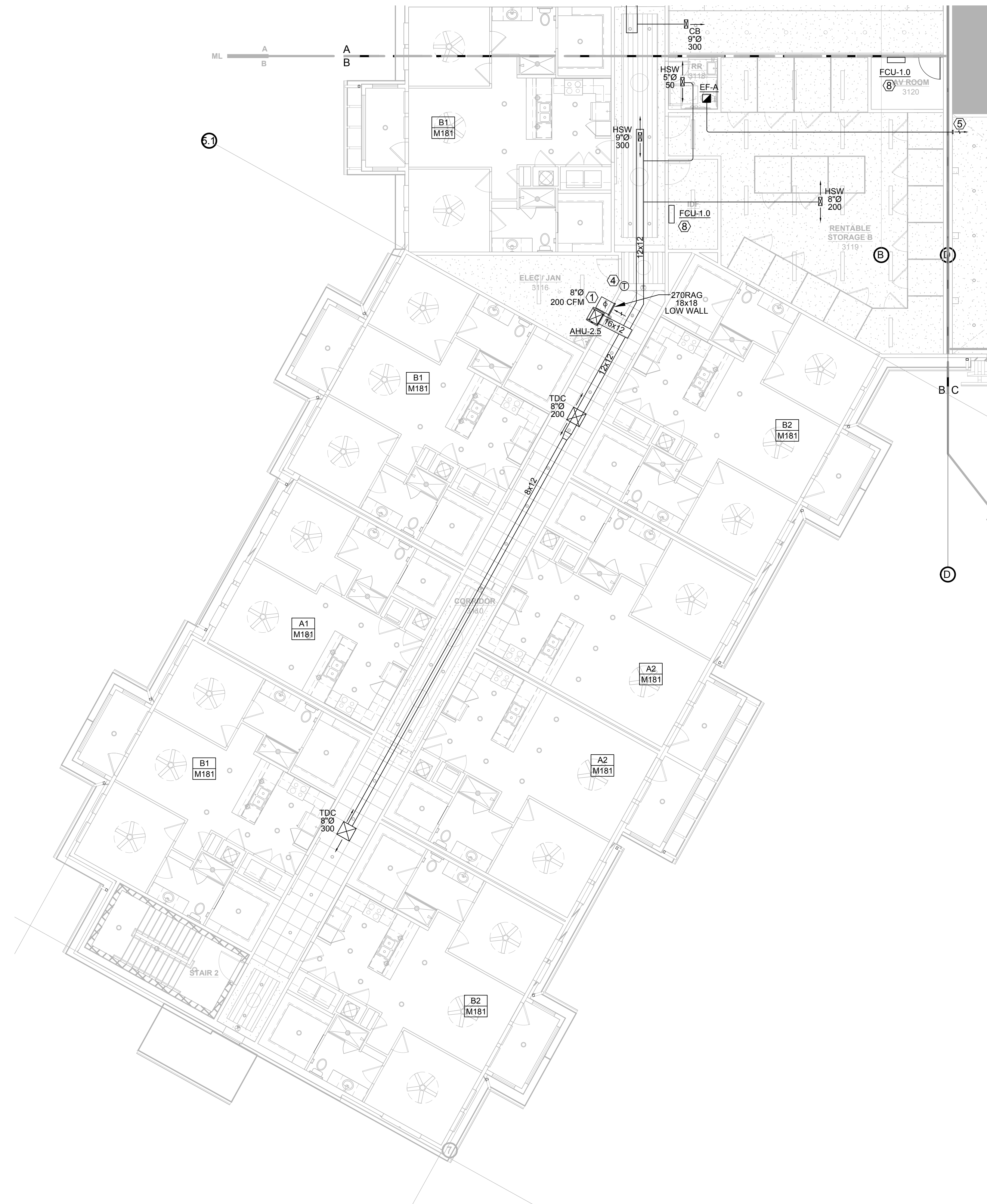


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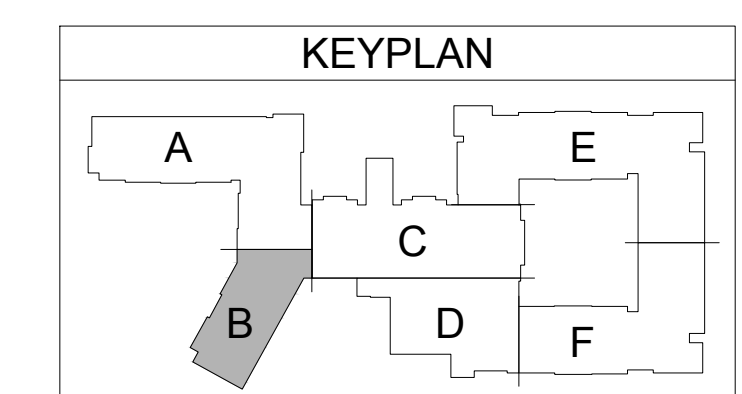
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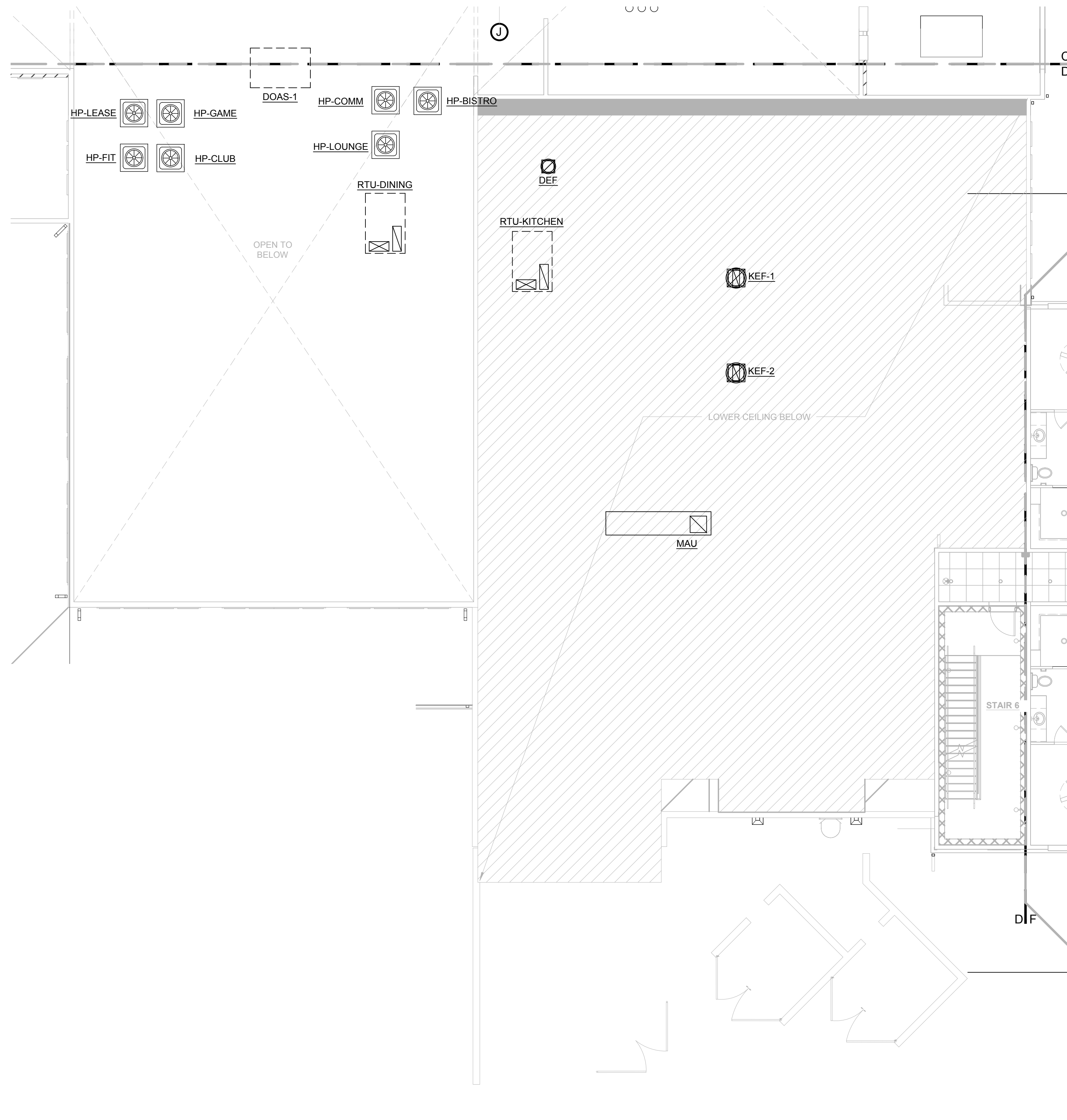


1 3RD FLOOR PLAN - AREA B - MECHANICAL  
1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
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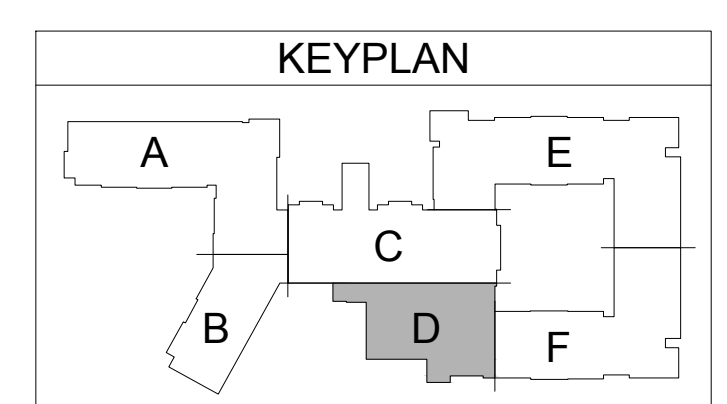


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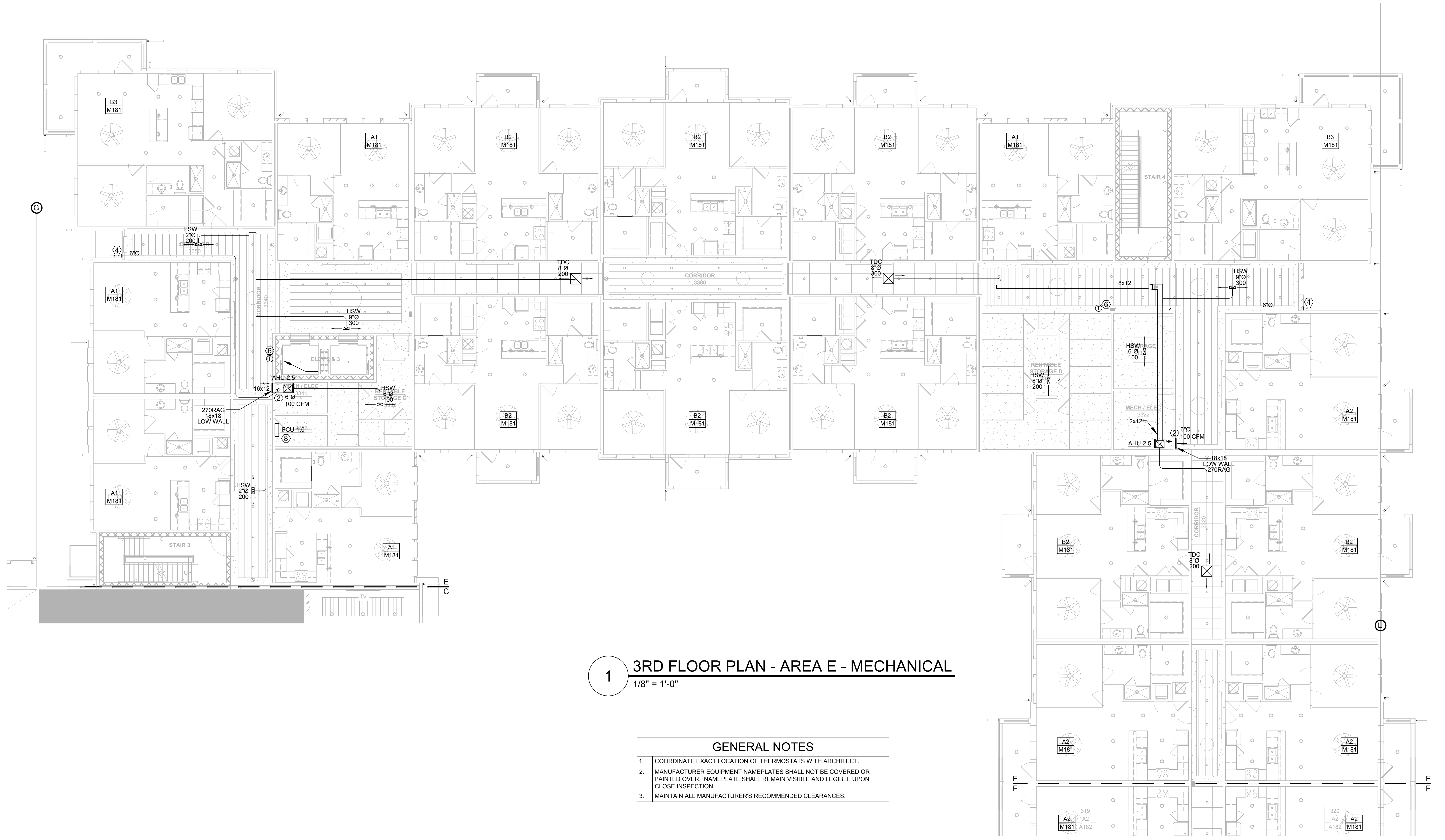


**1** 3RD FLOOR PLAN - AREA D - MECHANICAL  
 1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
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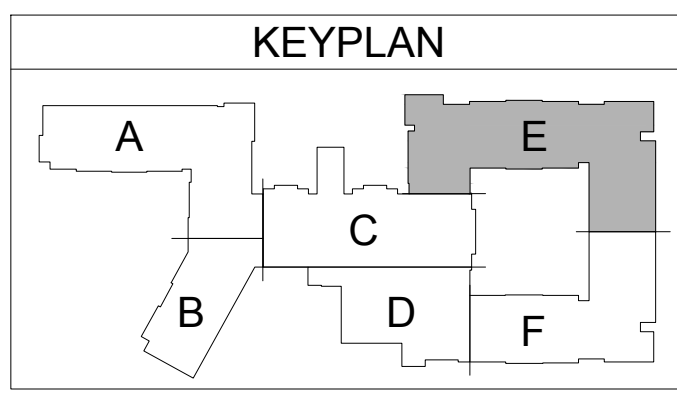


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1 3RD FLOOR PLAN - AREA E - MECHANICAL  
1/8" = 1'-0"

GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
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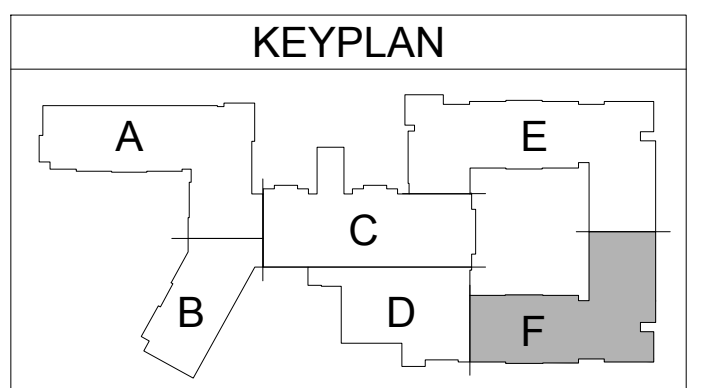
ISSUES & REVISIONS

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**1 3RD FLOOR PLAN - AREA F - MECHANICAL**  
1/8" = 1'-0"

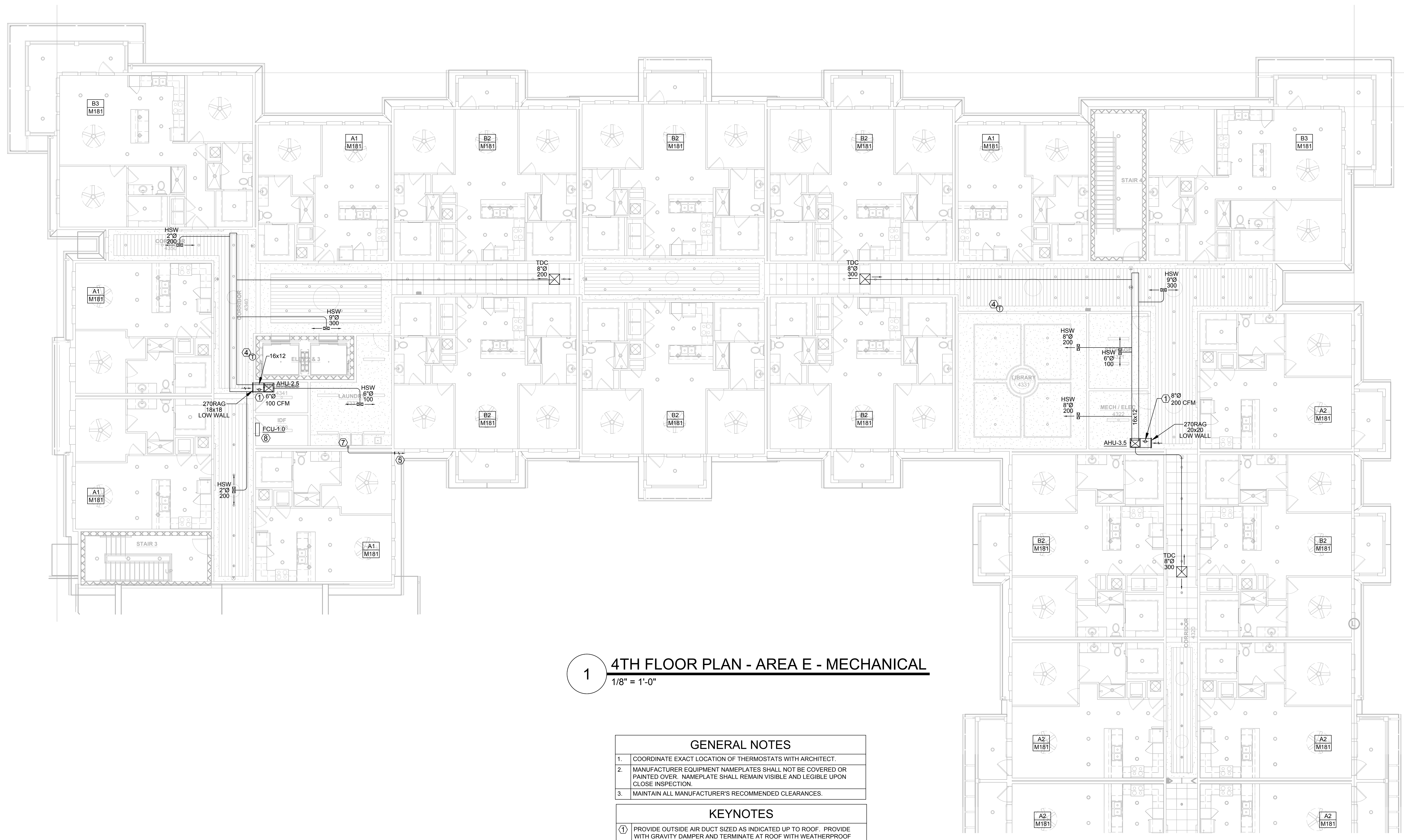
GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.



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CHECKED BY: CAB  
TALLAHASSEE INDEPENDENT LIVING  
TALLAHASSEE, FLORIDA  
PROJECT NUMBER: 25-0039

FLOOR PLAN - 3RD LEVEL  
- AREA F  
- MECHANICAL

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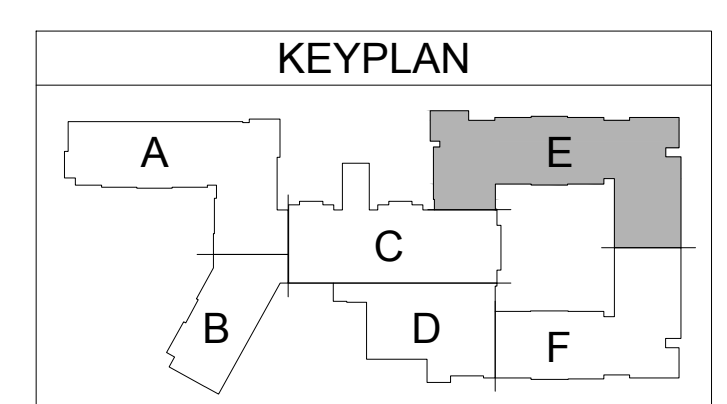


**1 4TH FLOOR PLAN - AREA E - MECHANICAL**  
1/8" = 1'-0"

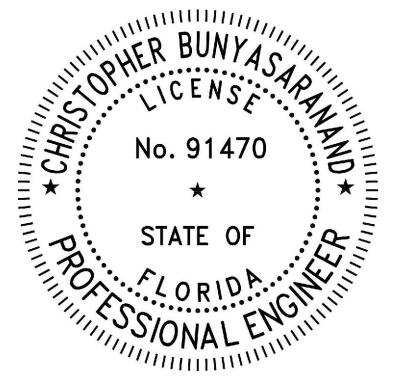
GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

KEYNOTES	
①	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP, GREENHECK MODEL RCC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
②	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO EXTERIOR. PROVIDE WITH GRAVITY DAMPER AND TERMINATE WITH WEATHERPROOF INTAKE CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
③	TOILET EXHAUST DUCT UP TO EXTERIOR SIZED AS INDICATED. TERMINATE AT EXTERIOR WALL WITH WEATHERPROOF EXHAUST CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
④	INTAKE CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY EXHAUST TERMINATIONS.
⑤	EXHAUST CAP. MAINTAIN A MINIMUM OF 10'-0" CLEAR OF ANY OUTSIDE AIR INTAKES.
⑥	PROVIDE NEW THERMOSTAT PER BASE BUILDING STANDARD. COORDINATE EXACT MANUFACTURER AND MODEL WITH BUILDING ENGINEER PRIOR TO ORDERING AND INSTALLATION.
⑦	IN-O-VATE DRYER BOX OR EQUAL. DRYER DUCT TO PRIMEX WALL CAP WC OR EQUAL WITH NO SCREEN.
⑧	ROUTE CONDENSATE TO NEAREST HUD DRAIN OR FLOOR DRAIN. PROVIDE CONDENSATE PUMP AS NEEDED.



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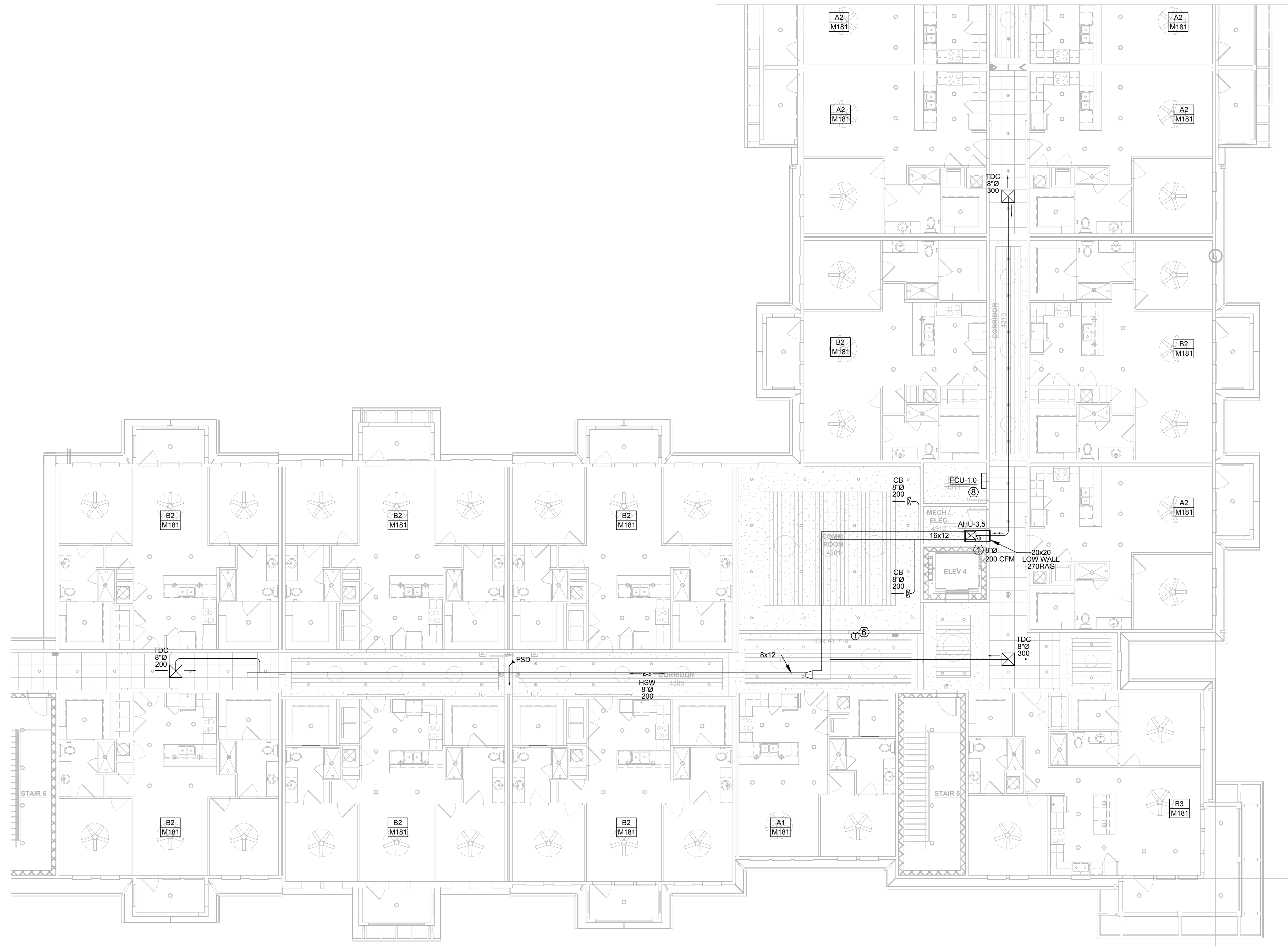
ISSUES & REVISIONS

#	DATE	DESCRIPTION
1	05.14.26	PERMIT SET

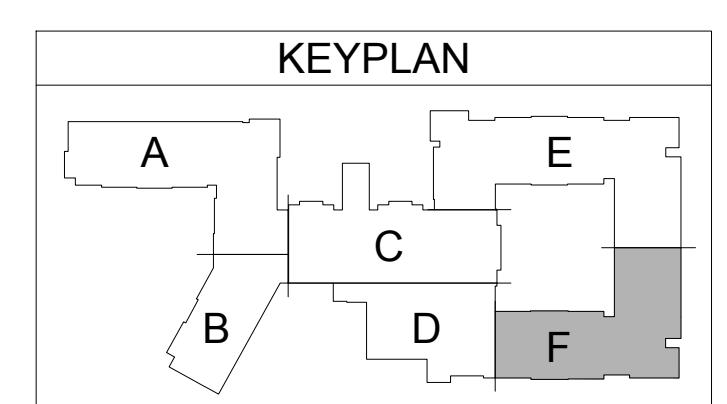
GENERAL NOTES	
1.	COORDINATE EXACT LOCATION OF THERMOSTATS WITH ARCHITECT.
2.	MANUFACTURER EQUIPMENT NAMEPLATES SHALL NOT BE COVERED OR PAINTED OVER. NAMEPLATE SHALL REMAIN VISIBLE AND LEGIBLE UPON CLOSE INSPECTION.
3.	MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

KEYNOTES	
①	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO ROOF. PROVIDE WITH GRAVITY DAMPER AND TERMINATE AT ROOF WITH WEATHERPROOF INTAKE CAP, GREENHECK MODEL RCC-7, OR EQUAL. ROOF CAP SHALL BE ALL ALUMINUM CONSTRUCTION WITH INTEGRAL BIRDSCREEN.
②	PROVIDE OUTSIDE AIR DUCT SIZED AS INDICATED UP TO EXTERIOR. PROVIDE WITH GRAVITY DAMPER AND TERMINATE WITH WEATHERPROOF INTAKE CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
③	TOILET EXHAUST DUCT UP TO EXTERIOR SIZED AS INDICATED. TERMINATE AT EXTERIOR WALL WITH WEATHERPROOF EXHAUST CAP, PRIMEX WC, OR EQUAL. PROVIDE WITH INTEGRAL BIRDSCREEN.
④	INTAKE CAP. MAINTAIN A MINIMUM OF 1'-0" CLEAR OF ANY EXHAUST TERMINATIONS.
⑤	EXHAUST CAP. MAINTAIN A MINIMUM OF 1'-0" CLEAR OF ANY OUTSIDE AIR INTAKES.
⑥	PROVIDE NEW THERMOSTAT PER BASE BUILDING STANDARD. COORDINATE EXACT MANUFACTURER AND MODEL WITH BUILDING ENGINEER PRIOR TO ORDERING AND INSTALLATION.
⑦	UNDERCUT DOOR AT 3/4" OR MAXIMUM CODE ACCEPTABLE DISTANCE.
⑧	ROUTE CONDENSATE TO NEAREST HUD DRAIN OR FLOOR DRAIN. PROVIDE CONDENSATE PUMP AS NEEDED.



**1 4TH FLOOR PLAN - AREA F - MECHANICAL**  
1/8" = 1'-0"



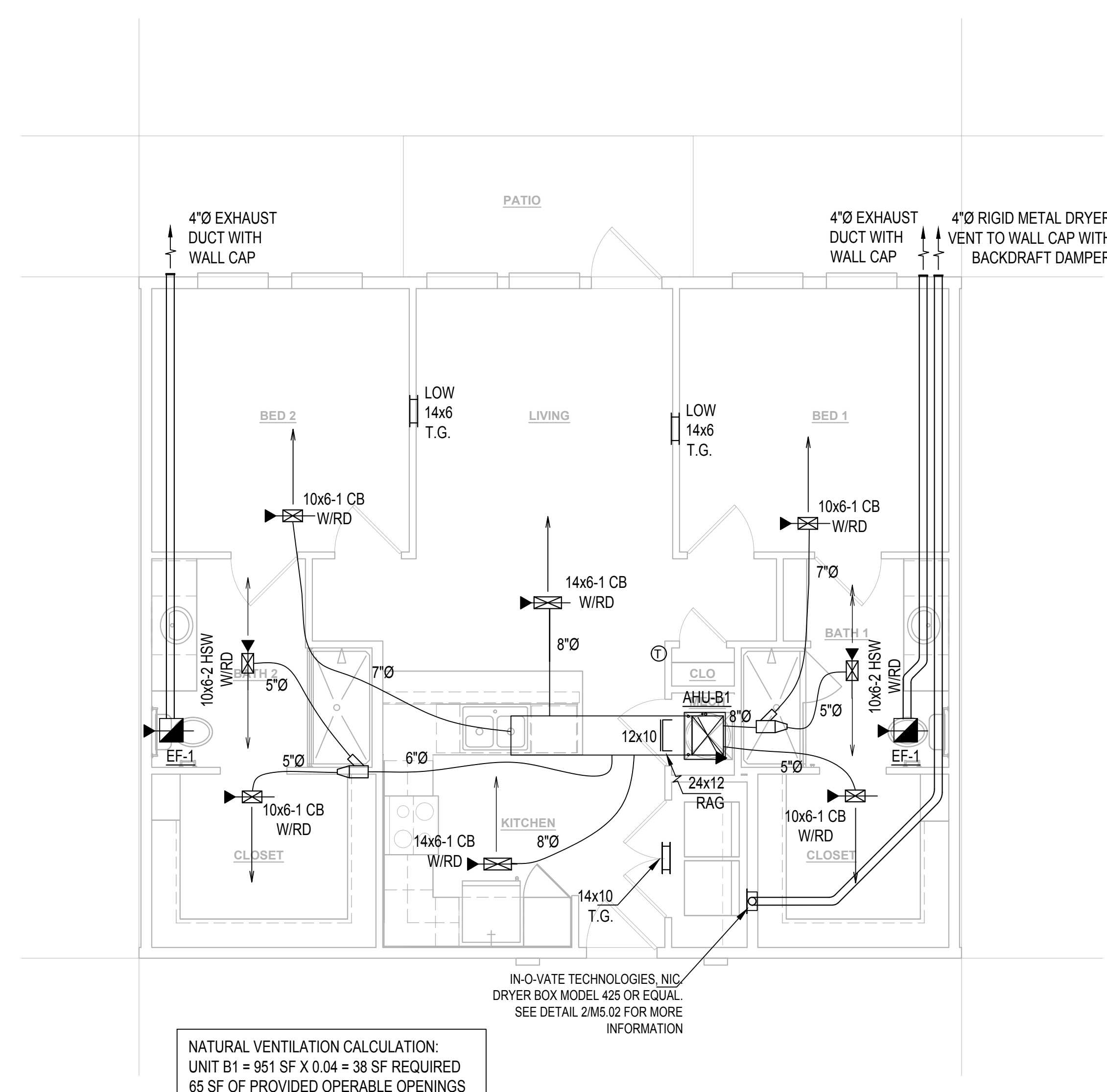
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PROJECT NUMBER: 25-0039

FLOOR PLAN - 4TH LEVEL  
- AREA F  
- MECHANICAL

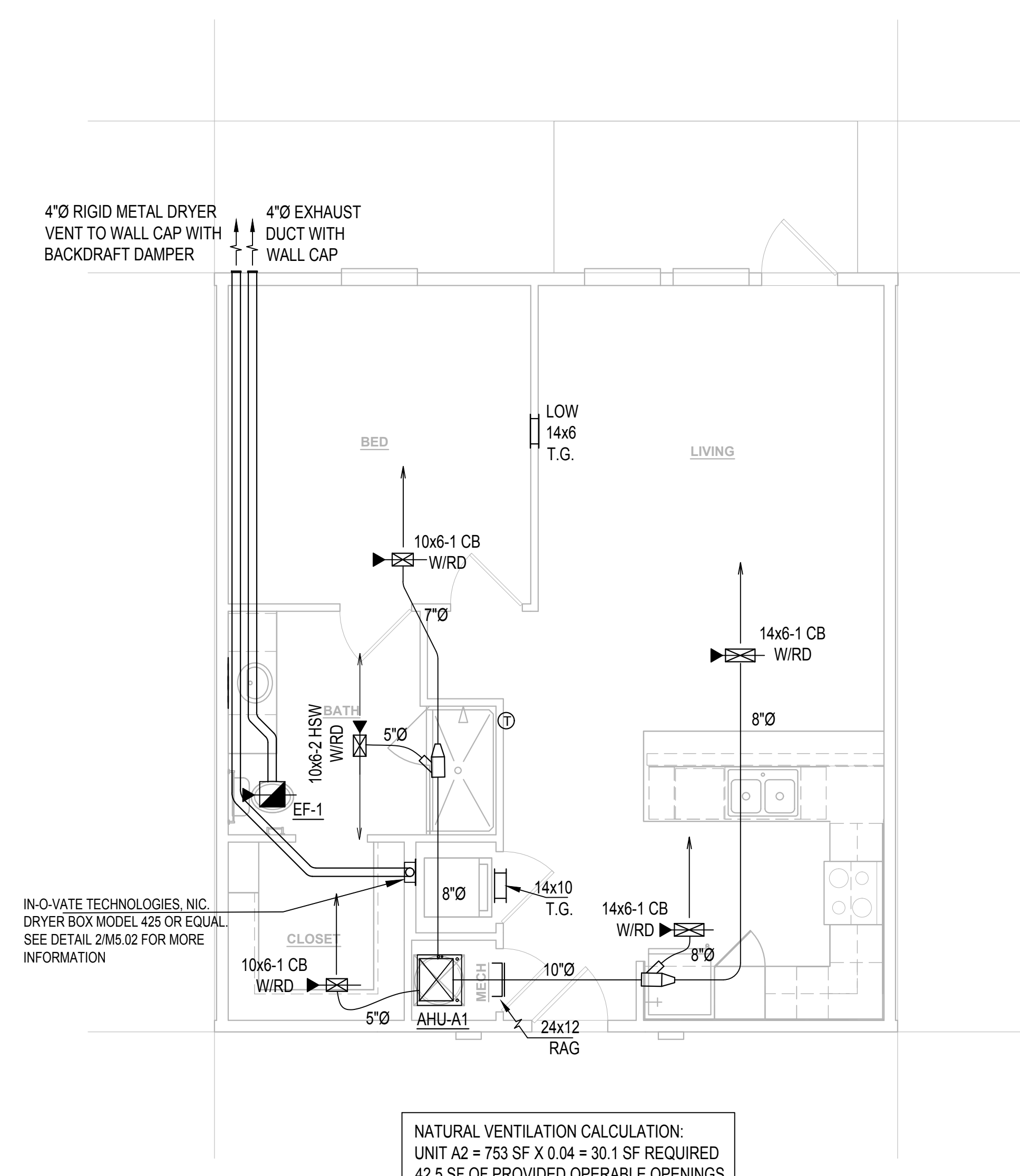
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ISSUES & REVISIONS

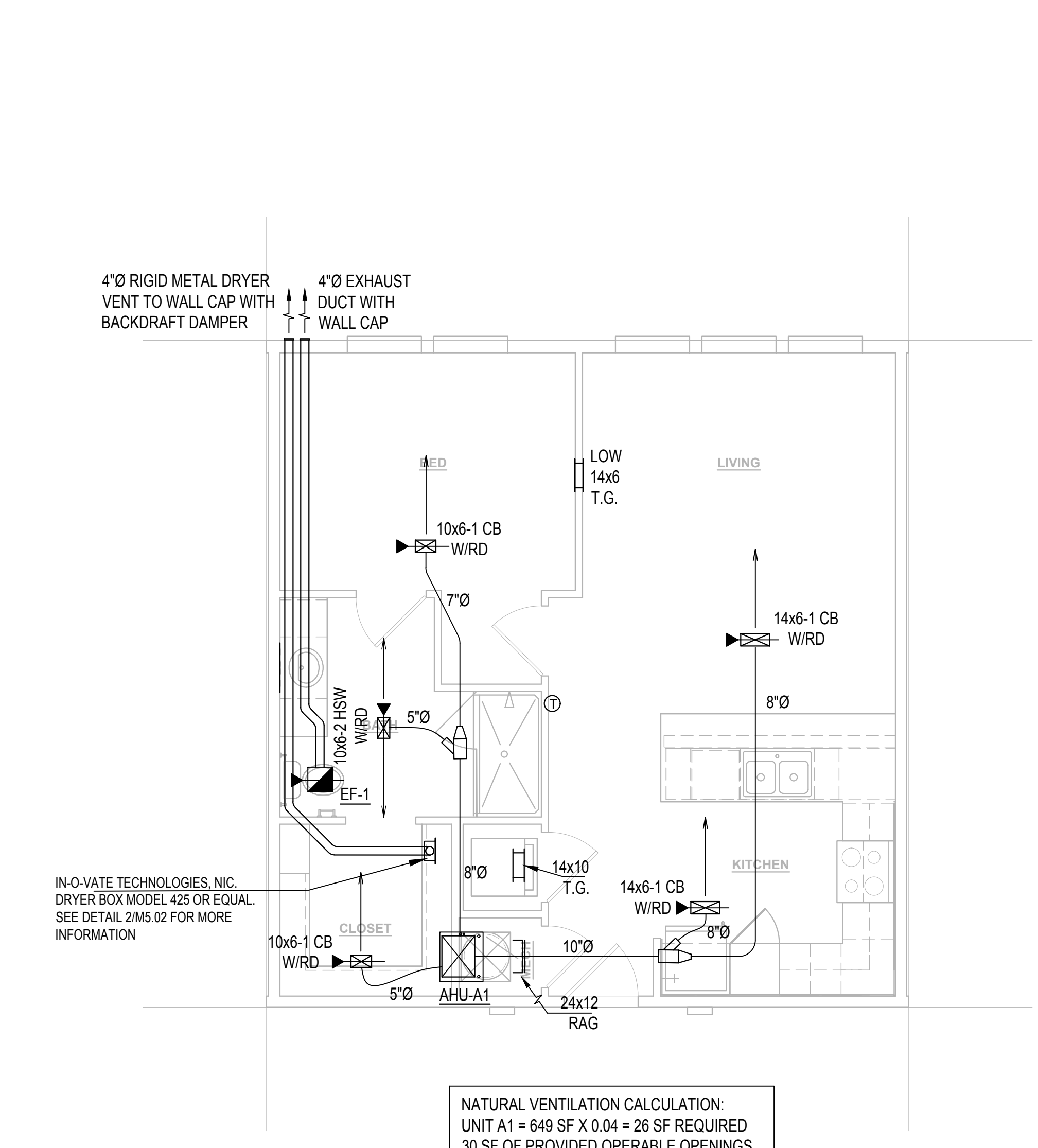
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1	05.14.26	PERMIT SET



**3 B1 UNIT PLAN - MECHANICAL**  
1/4" = 1'-0"



**2 A2 UNIT PLAN - MECHANICAL**  
1/4" = 1'-0"

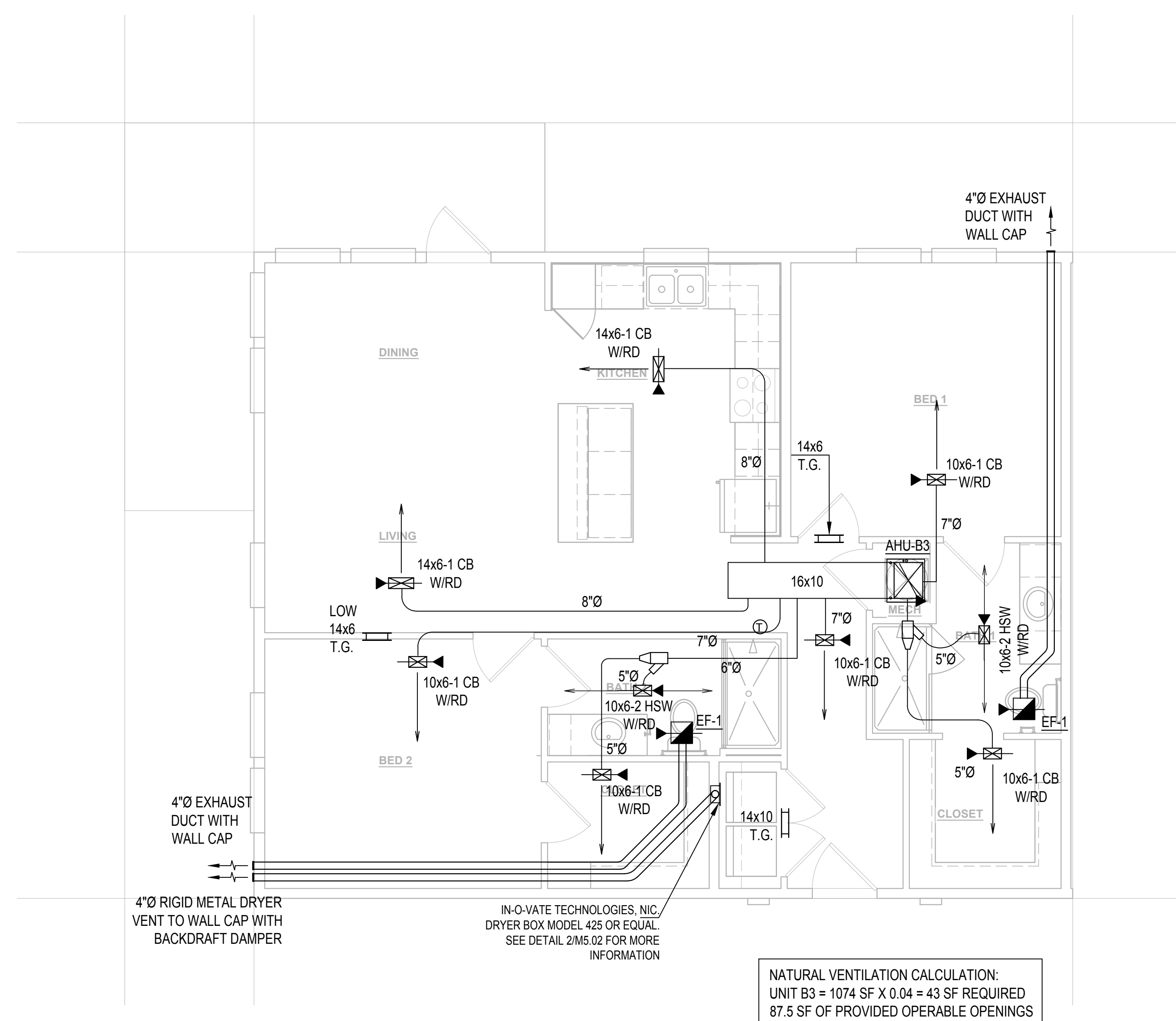


**1 A1 UNIT PLAN - MECHANICAL**  
1/4" = 1'-0"

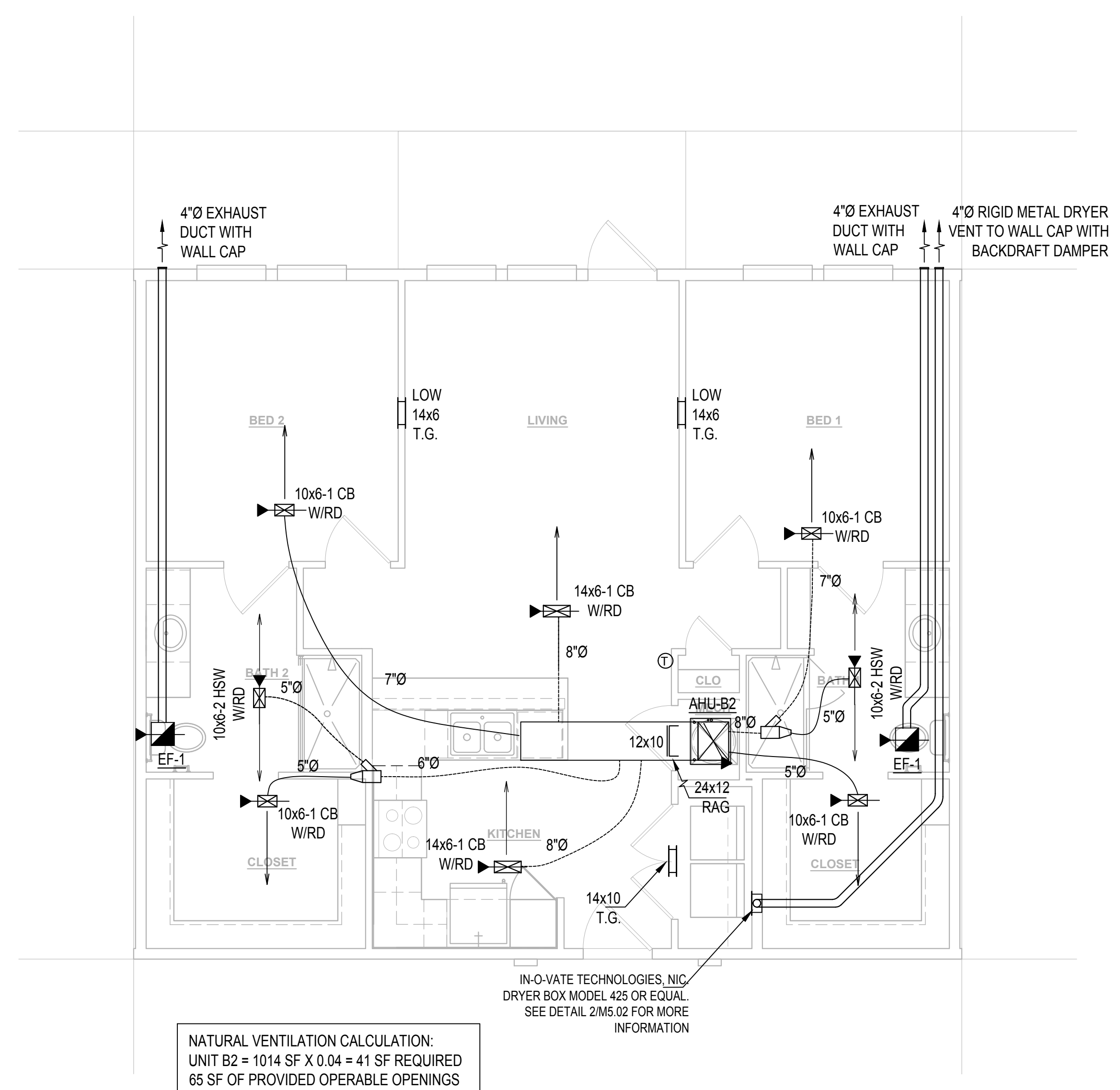
Grille Sizing

Duct Size	Grille Size
5"	10"x 6"
6"	10"x 6"
7"	10"x 6"
8"	14"x 6"
9"	14"x 6"
10"	16"x 8"
Transfer	14"x6"

COORDINATE TOILET EXHAUST AND DRYER EXHAUST LOUVER LOCATIONS WITH ARCHITECTURAL PLANS.



**5 B3 UNIT PLAN - MECHANICAL**  
1/4" = 1'-0"



**4 B2 UNIT PLAN - MECHANICAL**  
1/4" = 1'-0"

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