

SPLIT SYSTEM HEAT PUMP SCHEDULE															
COMPRESSOR								AIR HANDLING UNIT							
SYMBOL	COOLING CAPACITY (TONS)	ELECTRIC				MFG.	MODEL	SYMBOL	TYPE	STRIP (KW)	ELECTRIC				REMARKS
		VOLT	PHASE	MCA	BREAKER						VOLT	PHASE	FLA	BREAKER	
HP-1	5 TON	208	1	33	50/2	TRANE	5TWR5060A1	AHU-1	HORZ.	10.8	208	1	75	90/2	PROVIDE CONNECTION ADJUSTMENT.
HP-2	2 TON	208	1	13	20/2	TRANE	5TWR5024A1	AHU-2	HORZ.	3.6	208	1	19	30/2	
HP-3	2½ TON	208	1	16	25/2	TRANE	5TWR5030A1	AHU-3	HORZ.	5.7	208	1	30	40/2	
HP-4	2½ TON	208	1	16	25/2	TRANE	5TWR5030A1	AHU-4	HORZ.	5.7	208	1	30	40/2	
HP-5	4 TON	208	1	25	45/2	TRANE	5TWR5048A1	AHU-5	HORZ.	7.2	208	1	40	60/2	
HP-6	VRF														
HP-7	VRF														
HP-8	2 TON	208	1	13	20/2	TRANE	5TWR5024A1	AHU-8	HORZ.	3.6	208	1	19	30/2	
HP-9	1½ TON	208	1	13	20/2	TRANE	5TWR5018A1	AHU-9	HORZ.	3.6	208	1	19	25/2	
HP-10	3½ TON	208	1	24	40/2	TRANE	5TWR5042A1	AHU-10	HORZ.	7.2	208	1	40	60/2	
HP-11	2 TON	208	1	13	20/2	TRANE	5TWR5024A1	AHU-11	HORZ.	3.6	208	1	19	30/2	
HP-12	VRF														
HP-13	1½ TON	208	1	13	20/2	TRANE	5TWR5018A1	AHU-13	HORZ.	3.6	208	1	19	25/2	
HP-14	3½ TON	208	1	24	40/2	TRANE	5TWR5042A1	AHU-14	HORZ.	7.2	208	1	40	60/2	
HP-15	2½ TON	208	1	16	25/2	TRANE	5TWR5030A1	AHU-15	HORZ.	5.7	208	1	30	40/2	
HP-16	2½ TON	208	1	16	25/2	TRANE	5TWR5030A1	AHU-16	HORZ.	5.7	208	1	30	40/2	
HP-17	VRF														
HP-18	VRF														
HP-19	VRF														
HP-20	1½ TON	208	1	13	20/2	TRANE	5TWR5018A1	AHU-20	HORZ.	3.6	208	1	19	25/2	
HP-21	VRF														
HP-22	5 TON	208	1	33	50/2	TRANE	5TWR5060A1	AHU-22	HORZ.	10.8	208	1	75	90/2	PROVIDE CONNECTION ADJUSTMENT.
HP-23	5 TON	208	1	33	50/2	TRANE	5TWR5060A1	AHU-23	HORZ.	10.8	208	1	75	90/2	PROVIDE CONNECTION ADJUSTMENT.
HP-24	VRF														
HP-25	2½ TON	208	1	16	25/2	TRANE	5TWR5030A1	AHU-25	HORZ.	5.7	208	1	30	40/2	
HP-26	2½ TON	208	1	16	25/2	TRANE	5TWR5030A1	AHU-26	HORZ.	5.7	208	1	30	40/2	
HP-27	2 TON	208	1	13	20/2	TRANE	5TWR5024A1	AHU-27	HORZ.	3.6	208	1	19	30/2	
HP-28	2½ TON	208	1	16	25/2	TRANE	5TWR5030A1	AHU-28	HORZ.	5.7	208	1	30	40/2	
HP-29	3½ TON	208	1	24	40/2	TRANE	5TWR5042A1	AHU-29	HORZ.	7.2	208	1	40	60/2	
HP-30	3½ TON	208	1	24	40/2	TRANE	5TWR5042A1	AHU-30	HORZ.	7.2	208	1	40	60/2	

- NOTES A/C UNITS:**
- PROVIDE EMERGENCY SHUTDOWN SWITCHES AND PROGRAMMABLE THERMOSTATS. THERMOSTATS SHALL HAVE PASSCODE PROTECTION SO SETTINGS CANNOT BE TAMPERED WITHOUT ENTERING A REPROGRAMMABLE CODE. PROVIDE A PERMANENT PLACARD NEAR EACH THERMOSTAT(S) SHOWING THE LOCAL BUILDING FLOOR PLAN, THE AREAS THAT EACH THERMOSTAT CONTROLS AND THE LOCATION OF EACH THERMOSTATS ES SWITCH IF THE SWITCH IS REMOTELY LOCATED.
 - PROVIDE 4" DP-G13EEN (MERV-13) FILTERS BY AIRGUARD AND FILTER RACKS AT UNITS. PROVIDE SMOOTH TRANSITION FROM FILTER RACK TO AHU INTAKE AND TO RETURN DUCT SHOWN ON PLANS. THE MINIMUM FILTER SIZES SHALL BE 24"x24" FOR 3 TON AND SMALLER AHU'S, 24"x36" FOR 3½ 4 AND 5 TON AHU'S. MAX. INITIAL PRESSURE DROP SHALL BE 0", 1" OR LESS OF WATER COLUMN. SEE DETAIL D/M2. THE FILTER RACKS SHALL HAVE A MANOMETER OR DIFFERENTIAL PRESSURE SENSING DEVICE THAT SHALL MEASURE THE DIFFERENTIAL STATIC PRESSURE ACROSS THE FILTER AND INDICATE WHEN THE FILTER NEEDS REPLACING.
 - ROUTE PRIMARY CONDENSATE TO FRENCH DRAINS. PROVIDE DRIP PANS WITH FLOAT SWITCHES.
 - PROVIDE CONCRETE PAD FOR COMPRESSORS AND ANCHOR COMPRESSORS TO PADS.
 - PROVIDE FRENCH DRAINS FOR CONDENSATE LINES (SEE FRENCH DRAIN DETAIL E/M2).
 - CONSULT WITH MANUFACTURER FOR THE CORRECT SIZING OF REFRIGERANT LINES. OVERSIZE REFRIGERANT LINE AS PER MFG. INSTRUCTIONS WHEN REQUIRED.
 - THE CONTRACTOR SHALL INSTRUCT THE OWNER TO KEEP AHU FANS RUNNING AT ALL TIMES UNLESS NOTED OTHERWISE.
 - ALL COMPRESSORS SHALL HAVE TIME DELAY RELAYS SET AT DIFFERENT STARTING TIMES.
 - FOR UNITS SHOWING A THERMOSTAT AND HUMIDISTAT ON THE PLANS, PROVIDE A THERMOSTAT/HUMIDISTAT AND A SIMPLE ENGINEERED SOLUTIONS HPDM-XX (VERIFY SPECIFIC MODEL FOR APPLICATION) CONTROL MODULE OR EQUAL. HUMIDISTAT SHALL ACTIVATE THE COOLING CYCLE UPON HIGH HUMIDITY CALL. THE THERMOSTAT SHALL BE CAPABLE OF OPERATING THE HEAT STRIPS FOR TEMPERATURE CONTROL WHILE A HIGH HUMIDITY CALL IS BEING MADE. CONSULT WITH EQUIPMENT MANUFACTURER FOR WIRING DIAGRAM.
 - PROVIDE MANUFACTURER RECOMMENDED CLEARANCES AROUND ALL INDOOR AND OUTDOOR UNITS.
 - PROVIDE LOW AMBIENT CONTROLS FOR FREEZE PROTECTION.
 - PROVIDE CONTROLS THAT PREVENT AUXILIARY HEAT STRIPS FROM BEING ACTIVATED WHEN THE HEAT PUMP CAN HANDLE THE HEATING LOAD EXCEPT DURING DEFROST CYCLE AND DEHUMIDIFICATION CYCLE.
 - PROVIDE GRAVITY BACKDRAFT DAMPER OR MOTORIZED DAMPER FOR OUTDOOR AIR.
 - PROVIDE HUMIDISTAT. HUMIDISTAT SHALL ACTIVATE THE COOLING CYCLE UPON HIGH HUMIDITY CALL. THE THERMOSTAT SHALL BE CAPABLE OF OPERATING THE HEAT STRIPS FOR TEMPERATURE CONTROL WHILE A HIGH HUMIDITY CALL IS BEING MADE. CONSULT WITH EQUIPMENT MANUFACTURER FOR WIRING DIAGRAM.
 - FOR AHU-1 & 2 PROVIDE ZONE CONTROL SYSTEM. SEE E/M2.

FAN SCHEDULE

SYMBOL	DESCRIPTION	CFM	SP	SET CFM	VOLT	PHASE	HP	AMPS	MOUNTING	MFG.	MODEL	REMARKS
F-1	VENT FAN	180	.25	70	120	1	-	-	ATTIC	GREENHECK	CSP-A190	
F-2	VENT FAN	180	.25	70	120	1	-	-	ATTIC	GREENHECK	CSP-A190	
F-3	VENT FAN	268	.25	200	120	1	-	-	ATTIC	GREENHECK	CSP-A290	
F-4	VENT FAN	800	.25	100	120	1	-	-	ATTIC	GREENHECK	CSP-A1050	

- FAN NOTES:**
- PROVIDE BACKDRAFT DAMPER.
 - FOR FAN F-4, PROVIDE THERMOSTAT CONTROL.
 - PROVIDE VARIABLE SPEED CONTROL.

PACKAGE TERMINAL HEAT PUMP/AC SCHEDULE

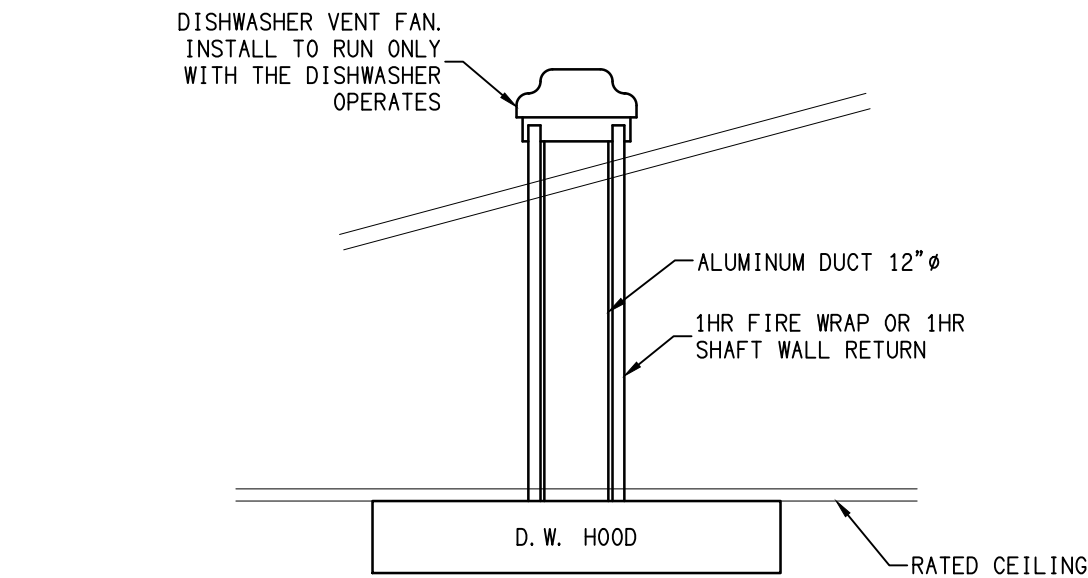
SYMBOL	COOLING CAP	VOLT	PHASE	MCA	BREAKER	FRESH AIR	MFG.	MODEL	EER	REMARKS
PTAC-1	9,000	208	1	16	20/2	0	AMANA	PTH093		
PTAC-2	12,000	208	1	16	20/2	50	AMANA	PTH127		FOR MAINTENANCE BLDG.

- NOTES:**
- PROVIDE ARCHITECTURAL GRILLE.
 - PROVIDE CORROSION RESISTANT CASE.
 - PROVIDE CORD AND PLUG.
 - SET UNIT TO RUN WHEN HEATING OR COOLING IS CALLED FOR.
 - PROVIDE TW-1 IN STORAGE/SHOP REMOTE BUILDING.

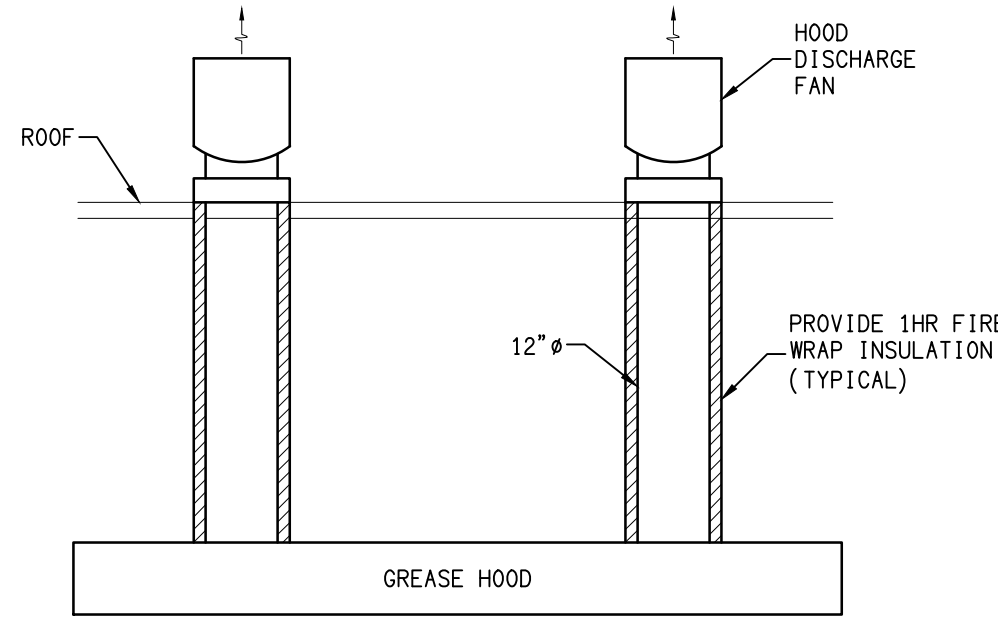
DUCT HEATER SCHEDULE

SYMBOL	DESCRIPTION	CFM	KW	VOLT	PHASE	THERMOSTAT	MFG.	MODEL	DUCT AT HEATER	REMARKS
DH-1	HALLWAY	200	3	208	1	ON UNIT	MARKEL	SCR	NOTE 6	
DH-2	SPA	200	2	208	1	ON UNIT	MARKEL	SCR	NOTE 6	
DH-3	SPA	200	4	208	1	ON UNIT	MARKEL	SCR	NOTE 6	
DH-4	SPA	200	4	208	1	ON UNIT	MARKEL	SCR	NOTE 6	

- NOTES:**
- PROVIDE AUTOMATIC RESET THAT LIMITS OUTLET TEMPERATURE TO MANUFACTURER'S REQUIRED SETTING OR LESS.
 - ELECTRIC HEATER ELEMENTS SHALL BE EQUIPPED WITH FUSIBLE LINKS OR MANUAL RESET TEMPERATURE CONTROL TO MAINTAIN OUTLET TEMPERATURE TO MANUFACTURER'S REQUIRED SETTING.
 - HEATER SHALL BE LISTED AND BEAR THE MARK OF AN APPROVED TESTING AGENCY.
 - PROGRAM THERMOSTAT TO ACTIVATE THE AHU.
 - PROVIDE FLOW SWITCH - SWITCH SHALL NOT BE SET ABOVE 30X OF OPERATING CFM.
 - DUCT SIZE AT HEATER SHALL BE SUCH THAT MANUFACTURER RECOMMENDED VELOCITY AT HEATER IS ACHIEVED. CONSULT MANUFACTURER FOR SIZING.



A Discharge Hood Schematic
SCALE: NTS



B Hood Exhaust Fan Schematic
SCALE: NTS

LOUVER SCHEDULE

SYMBOL	DESCRIPTION	SIZE WxH	RAIN	BACKDRAFT DAMPER	SCREEN	MATERIAL	PAINT	MANUFACTURER	MODEL	REMARKS
L-1	INTAKE	18x18	YES	YES	BIRD	ALUMINUM	MATCH BLDG.	RUSKIN	ELF375DX	

MECHANICAL LEGEND

SYMBOL	DESCRIPTION
	SUPPLY GRILLE
	RETURN GRILLE
	THERMOSTAT
	HUMIDISTAT
	COMBINATION THERMOSTAT AND HUMIDISTAT
	THERMOSTAT FOR ZONE DAMPER
	AUTOMATIC ZONE DAMPER
	RECTANGULAR DUCT - 20" WIDE INSIDE A/C SYSTEM - 10" HIGH INSIDE
	TURNING VANES
	RIGID ROUND DUCT - 10" I.D.
	FLEX DUCT - 10" I.D.
	REGISTER CFM
	BALANCING DAMPER
	REDUCER
	INLINE VENT FAN
	DISCHARGE CAP. SET BELOW ROOF RIDGE (SEE ARCH FOR LOCATION)
	INTAKE CAP. SET BELOW ROOF RIDGE (SEE ARCH FOR LOCATION)
	ALUMINUM WEATHER CAP WITH BACKDRAFT DAMPER
	1½ HOUR STATIC FIRE DAMPER
	FIRE SMOKE DAMPER - 1½ HR
	FIRE SMOKE DAMPER - 2 HR
	SMOKE DAMPER
	DUCT DETECTOR - PROVIDE ACCESS
	EMERGENCY SHUTOFF FOR AHU & DOAS IN WING
	EMERGENCY SHUTOFF FOR AHU & DOAS UNITS IN THE VICINITY
	EMERGENCY SHUTOFF FOR DOAS UNITS IN AREA
	EMERGENCY SHUTOFF FOR INDIVIDUAL DOAS UNIT
	PRESSURE SENSOR
	VENTILATION DUCT
	FRESH AIR DUCT
	RANGE HOOD DUCT
	CONDENSATE LINE
	DOAS SUPPLY DUCT
	DRYER DUCT
	DRYER DISCHARGE DUCT
	DOAS RETURN DUCT

HEARTLAND LIVING AND REHABILITATION COMPLIANCE SCHEDULE - MECHANICAL

METHOD OF COMPLIANCE PRESCRIPTIVE

ENERGY COST BUDGET

THERMAL ZONE 4A

EXTERIOR DESIGN CONDITIONS WINTER DRY BULB 24° F

SUMMER DRY BULB 92.3° F

INTERIOR DESIGN CONDITIONS WINTER DRY BULB 75° F

SUMMER DRY BULB 75° F

RELATIVE HUMIDITY 50% - 60%

BUILDING HEATING LOAD 2,100,000 BTUH

BUILDING COOLING LOAD 1,870,000 BTUH

MECHANICAL SPACING CONDITIONING SYSTEM UNITARY

DESCRIPTION OF UNIT - HEATING EFFICIENCY - COOLING EFFICIENCY - HEAT OUTPUT OF UNIT - COOLING OUTPUT OF UNIT - SEE EQUIPMENT SCHEDULE

BOILER TOTAL BOILER OUTPUT (IF OVERSIZED STATE REASON) N/A

CHILLER TOTAL CHILLER CAPACITY N/A

LIST EQUIPMENT EFFICIENCIES SEE EQUIPMENT SCHEDULE

EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEM)

MOTOR HORSEPOWER N/A

NUMBER OF PHASES N/A

MINIMUM EFFICIENCY N/A

MOTOR TYPE N/A

OF POLES N/A

DESIGNER STATEMENT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE MECHANICAL SYSTEMS, SERVICE SYSTEMS, AND EQUIPMENT REQUIREMENTS OF THE NORTH CAROLINA STATE BUILDING CODE.

SIGNED: DAVID B. SIMS JR., PE

NAME: DAVID B. SIMS JR., PE

TITLE: ENGINEER

GENERAL NOTES:

- ALL FRESH AIR MAKE-UP ROOF PENETRATIONS SHALL PENETRATE ROOF AT SAME DISTANCE FROM EAVE & SHALL BE 25' 0" MIN. FROM ANY PLUMBING VENTS & EXHAUST FANS. SHALL BE A MIN. 6" ABOVE GRADE & SHALL BE A MIN. OF 3' ABOVE ROOF DECK. MECHANICAL CONTRACTOR SHALL COORDINATE THE PLUMBING CONTRACTOR TO LOCATE VENT PIPE LOCATIONS.
- ALL VENT DISCHARGE ROOF PENETRATION SHALL PENETRATE ROOF AT SAME DISTANCE FROM EAVE AND SHALL MATCH THE FRESH AIR INTAKE WEATHER CAP HEIGHT FOR APPEARANCE. ALL VENT DISCHARGES OPENINGS SHALL BE A MIN. OF 10' HORIZONTALLY FROM OPERABLE DOORS & WINDOWS.
- MOUNT ALL THERMOSTATS AT 4' 0" AFF MAX.
- ROOMS WITH SUPPLY REGISTERS & NO VENT OR RETURN OR VENT REGISTERS & NO SUPPLY SHALL HAVE DOORS UNDERCUT BY 3/4" OR MAX. AMOUNT ALLOWED BY DOOR MFG. WHICH MAINTAINS UL RATING.
- OVERSIZED REFRIGERANT LINES PER MANUFACTURER'S RECOMMENDATIONS FOR LONG RUNS OR AS SHOWN ON THE PLANS.
- PROVIDE POWER CONNECTION FOR CONDENSATE PUMPS AS REQUIRED.
- RADIATION FAN DAMPERS & SMOKE DAMPERS SHALL BE U.L. APPROVED FOR INSTALLATION IN SHEETROCK CEILINGS & WALLS. DAMPERS SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS FOLLOWING THEIR SCHEMATIC DRAWINGS. INSTALLATION INSTRUCTIONS SHALL BE GIVEN TO THE ENGINEER & STATE INSPECTOR AT THE FINAL INSPECTION.
- PAINT ALL FRESH AIR INTAKE CAPS THE SAME COLOR AS THE ROOF. CONTRACTOR SHALL SUBMIT CUT SHEET OF INTAKES TO THE ENGINEER FOR APPROVAL. PROVIDE LOW PROFILE INTAKE CAPS.
- MAXIMUM FLEX DUCT RUNS SHALL BE 14' 0" MAXIMUM.
- CONTRACTOR SHALL RUN ALL DUCTWORK ON OUTSIDE OF THE CATWALK.
- ALL DUCTWORK SHALL BE CLASS I MIN.
- DISCHARGE CONDENSATE TO INDIRECT DISCHARGE.
- AHU SMOKE DETECTOR SYSTEM IS PROVIDED BY A FULL COVERAGE SMOKE DETECTION SYSTEM PER NFPA72. SEE FIRE ALARM SHEET IN THE ELECTRICAL PACKAGE. ALL SMOKE DETECTORS SHALL BE NO CLOSER THAN 3' - 0" TO A SUPPLY OR RETURN GRILLE. ALL AHU'S WILL SHUTDOWN UPON GENERAL ALARM.
- PLACE NURSE STATION & PATIENT AREA EMERGENCY SHUT-OFF SWITCHES AT NURSE'S STATION. VERIFY LOCATION.
- RESIDENT ROOMS HEATING AND AIR CONDITIONING SHALL OPERATE ON EMERGENCY POWER. COORDINATE WITH ELECTRICAL CONTRACTOR FOR STARTUP AND OPERATION ON EMERGENCY POWER.
- MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE GENERAL CONTRACTOR TO ROUTE THE CONDENSATE PIPE TO STORM WATER DOWNSPOUTS.
- ALL ROOF PENETRATIONS FOR VENT FANS, INTAKE CAPS & DISCHARGE CAPS SHALL BE SAME DISTANCE FROM EAVE.
- FOR BATHROOMS AND RESTROOMS THE VENTILATION CFM SHALL BE A MIN CFM.
- AT THE END OF THE JOB, THE CONTRACTOR SHALL PROVIDE A THIRD PARTY TEST & BALANCING CONTRACTOR TO BALANCE THE SYSTEM & PROVIDE A BALANCING REPORT. ALL VENTILATION CFM'S CALLED FOR SHALL BE A MINIMUM CFM.

PRE-CONSTRUCTION NOTES:

- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT ALL WINDOWS NEED FOR DUCT ROUTING THROUGH TRUSS ARE IN PLACE.
- THE MECHANICAL CONTRACTOR SHALL COORDINATE WITH THE TRUSS CONTRACTOR BEFORE TRUSSES ARE FABRICATED TO INSURE DUCT CLEARANCE.
- MECHANICAL CONTRACTOR SHALL ISSUE SHOP DRAWINGS FOR THE DUCT INSTALLATION.
- COORDINATE WITH THE G.C. TO VERIFY WHERE COFFERED CEILING WILL BE USED. ADJUST THE GRILLE ARRANGEMENT AS NEEDED.
- LOCATION OF ALL OUTDOOR UNITS SHALL BE APPROVED BY THE OWNER.
- DIVISION 1 SHALL BECOME A PART OF THESE SPECIFICATIONS BY REFERENCE.
- ALL MECHANICAL COMPONENTS SHALL BE INSTALLED, SUPPORTED AND RESTRAINED IN ACCORDANCE WITH THE NORTH CAROLINA BUILDING CODE REQUIREMENTS FOR SEISMIC OR HIGH WIND DESIGN. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RETAIN A PROFESSIONAL ENGINEER COMPETENT IN THIS FIELD FOR THIS DESIGN. FOR ONE POSSIBLE SOURCE OF THIS SERVICE, CONTACT SEISMIC CONTROL AND ISOLATIONS, INC. PHONE: (910) 799-5204. ALL REQUIRED INSPECTIONS FOR THESE DESIGNS SHALL BE PERFORMED BY APPROVED INSPECTORS AND AGENCIES PROVIDED BY OWNER OR OWNER'S AGENT.
- THE PLANS SHOWN ARE SCHEMATIC ONLY. DO NOT SCALE OFF OF THE MECHANICAL PLANS. SCALE OFF OF THE ARCHITECTURAL PLANS ONLY.

KITCHEN EQUIPMENT NOTES:

- THE KITCHEN HOOD SHALL BE 17" FOR THE HOOD AND 12" FOR THE CONTROL PANEL WITH ALL FIRE EXTINGUISHING EQUIPMENT & CONTROLS.
- EQUIPMENT & INSTALLATION SHALL BE AS SHOWN ON THE REFERENCE CAPTIVE AIRE SHOP DRAWINGS.
- FRESH AIR MAKE UP SHALL BE BY A DOAS UNIT THAT HAS A MAX CAPACITY OF 4,000 CFM AS DESCRIBED IN THE CAPTIVE AIRE SHOP DRAWINGS.
- SEE CAPTIVE AIRE DRAWING FOR THE GREASE & DISCHARGE AND THE DISHWASHER FAN.
- THE HOOD SHALL BE FIRE PROTECTED & BE PROVIDED AND INSTALLED BY THE CONTRACTOR ALONG WITH THE DUCTWORK & MISC MATERIALS.
- THE CONTRACTOR SHALL PROVIDE & INSTALL THE DISHWASHER VENT FAN, DUCT, THE GREASE FAN & GREASE DUCT. REFER TO CAPTIVE-AIRE PLANS.
- THE CAPTIVE-AIRE PLANS ARE ATTACHED AS REFERENCE TO PROVIDE THE DISHWASHER VENT FAN, GREASE FAN AND DOAS-K.
- PROVIDE THE FIRE PROTECTION FOR THE HOOD.

symbol	date	description	by
REVISIONS			

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7/28/25

HEARTLAND LIVING AND REHABILITATION

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Architecture Planning Design

125 BED FACILITY

M 1

FRESH AIR MAKE UP UNIT SCHEDULE																			
SYMBOL	DESCRIPTION	MANUFACTURER	MODEL	ELECTRIC				S. P.	SUPPLY	RETURN	WINTER OUTSIDE AIR		WINTER COND AIR		SUMMER OUTSIDE AIR		SUMMER COND AIR		REMARKS
				VOLT	PHASE	MCA	BREAKER				TEMP	RH	TEMP	RH	TEMP	RH	TEMP	RH	
DOAS-1-42	100% OUTSIDE AIR	ALPHA AIRE	AAH100G1ASTA5	208	1	9	15/2	1.0	200 TO 500	200 TO 500	22	>50%	75	>50%	92	80%	75	50%	

- NOTES:
1. PROVIDE MERV-13 FILTER 12"x24" RACK.
 2. COORDINATE WITH GC TO ENLARGE ATTIC ACCESS PORT TO ALLOW A 28"x30" UNIT.
 3. PROVIDE CONDENSATE PIPING OR CONDENSATE PUMP.
 4. AIR BALANCE FOR DOAS UNITS MUST BE 10% MAXIMUM.
 5. PROVIDE MEANS TO BALANCE AIR AT UNIT.

SPLIT SYSTEM VARIABLE REFRIGERANT FLOW UNIT SCHEDULE																					
COMPRESSOR										AIR HANDLING UNIT											
SYMBOL	COOLING CAPACITY (TONS)	ELECTRIC				MFG.	MODEL	SYMBOL	TYPE	ELECTRIC				MFG.	MODEL	FAN CFM	FRESH AIR INTAKE (CFM)	ESP (IN OF H2O) VERT/H. R.	SEER	TYPE	REMARKS
		VOLT	PHASE	MCA	FUSE					VOLT	PHASE	MCA	MOCP								
HP-6	1.5	208	1	9	15/2	mitsubishi	SUZ-KA18-NA2	AHU-6	HORZ.	208	1	3	15/2	mitsubishi	SVZ-KP-18NA	600	50	0.5		HORZ.	
HP-7	1	208	1	9	15/2	mitsubishi	SUZ-KA12-NA2	AHU-7	HORZ.	208	1	3	15/2	mitsubishi	SVZ-KP-12NA	400	50	0.5		HORZ.	
HP-12	1	208	1	9	15/2	mitsubishi	SUZ-KA12-NA2	AHU-12	HORZ.	208	1	3	15/2	mitsubishi	SVZ-KP-12NA	400	50	0.5		HORZ.	
HP-17	2	208	1	9	15/2	mitsubishi	SUZ-KA24-NA2	AHU-17	HORZ.	208	1	3	15/2	mitsubishi	SVZ-KP-24NA	790	50	0.5		HORZ.	
HP-18	1	208	1	9	15/2	mitsubishi	SUZ-KA12-NA2	AHU-18	HORZ.	208	1	3	15/2	mitsubishi	SVZ-KP-12NA	400	50	0.5		HORZ.	
HP-19	1	208	1	9	15/2	mitsubishi	SUZ-KA12-NA2	AHU-19	HORZ.	208	1	3	15/2	mitsubishi	SVZ-KP-12NA	400	50	0.5		HORZ.	
HP-21	1	208	1	9	15/2	mitsubishi	SUZ-KA12-NA2	AHU-21	HORZ.	208	1	3	15/2	mitsubishi	SVZ-KP-12NA	400	50	0.5		HORZ.	
HP-24	1	208	1	9	15/2	mitsubishi	SUZ-KA12-NA2	AHU-24	HORZ.	208	1	3	15/2	mitsubishi	SVZ-KP-12NA	400	50	0.5		HORZ.	

- NOTES A/C UNITS:
1. PROVIDE CONCRETE PAD FOR OUTDOOR UNITS.
 2. COORDINATE WITH MANUFACTURER WITH MAX REFRIGERANT LINE.
 3. PROVIDE THERMOSTAT.
 4. AIR HANDLING UNIT POWER SHALL BE CONNECTED TO THE OUTDOOR UNIT.
 5. PROVIDE 4" DP-G13EEN (MERV-13) FILTERS BY AIRGUARD AND FILTER RACKS AT UNITS. PROVIDE SMOOTH TRANSITION FROM FILTER RACK TO AHU INTAKE AND TO RETURN DUCT SHOWN ON PLANS. THE MINIMUM FILTER SIZES SHALL BE 24"x24" FOR 3 TON AND SMALLER AHU'S, 24"x36" FOR 3½, 4 AND 5 TON AHU'S. MAX INITIAL PRESSURE DROP SHALL BE 0", 1" OR LESS OF WATER COLUMN. SEE DETAIL D/M2. THE FILTER RACKS SHALL HAVE A MANOMETER OR DIFFERENTIAL PRESSURE SENSING DEVICE THAT SHALL MEASURE THE DIFFERENTIAL STATIC PRESSURE ACROSS THE FILTER AND INDICATE WHEN THE FILTER NEEDS REPLACING.
 6. VERIFY ELECTRICAL CONNECTION BEFORE ORDERING EQUIPMENT AND INSTALLING.

REGISTER SCHEDULE										
SYMBOL	DESCRIPTION	NECK	RUN OUT	BALANCING DAMPER AT REGISTER	RADIATION DAMPER AT REGISTER	MATERIAL	COLOR	MFG.	MODEL	REMARKS
A	4-WAY SURFACE SUPPLY	6"x6"	6"ø	YES	YES	STEEL	WHITE	PRICE	SMD	0 TO 100 CFM
B	4-WAY SURFACE SUPPLY	9"x9"	7"ø	YES	YES	STEEL	WHITE	PRICE	SMD	101 TO 150 CFM
C	4-WAY SURFACE SUPPLY	9"x9"	8"ø	YES	YES	STEEL	WHITE	PRICE	SMD	151 TO 225 CFM
D	4-WAY SURFACE SUPPLY	9"x9"	9"ø	YES	YES	STEEL	WHITE	PRICE	SMD	226 TO 325 CFM
E	4-WAY SURFACE SUPPLY	12"x12"	10"ø	YES	YES	STEEL	WHITE	PRICE	SMD	325 TO 425 CFM
F	4-WAY SURFACE SUPPLY	12"x12"	12"ø	YES	YES	STEEL	WHITE	PRICE	SMD	425 TO 600 CFM
G	4-WAY SURFACE SUPPLY	14"x14"	14"ø	YES	YES	STEEL	WHITE	PRICE	SMD	
H	3-WAY SURFACE SUPPLY	9"x9"	9"ø	YES	YES	STEEL	WHITE	PRICE	SMD	
I	3-WAY SURFACE SUPPLY	12"x12"	12"ø	YES	YES	STEEL	WHITE	PRICE	SMD	
J	PERFORATED SURFACE SUPPLY	18"x8"	12"ø	YES	YES	STEEL	WHITE	PRICE	PDOR	USE RETURN GRILLE
K	PERFORATED SURFACE SUPPLY	14"x14"	10"ø	YES	YES	STEEL	WHITE	PRICE	PDOR	USE RETURN GRILLE
RA	SURFACE RETURN	8"x8"			YES	STEEL	WHITE	PRICE	530	0 TO 120 CFM
RB	SURFACE RETURN	14"x14"			YES	STEEL	WHITE	PRICE	530	121 TO 320 CFM
RC	SURFACE RETURN	30"x18"			YES	STEEL	WHITE	PRICE	530	321 TO 1100 CFM
RD	SURFACE RETURN	36"x20"			YES	STEEL	WHITE	PRICE	530	1101 TO 1300 CFM

DUCTLESS SPLIT SYSTEM UNIT SCHEDULE - I.T. ROOM (A/C ONLY)											
COOLING CAP TONS	AIR HANDLER		OUTSIDE UNIT		MANUFACTURER	VOLT	PHASE	FUSE	SEER	HSPF	REMARKS
	SYMBOL	MODEL	SYMBOL	MODEL							
1	DAHU-1	PKA-AL12NL	DC-1	PUY-AK12NL	mitsubishi	208	1	20/2			
1	DAHU-2	PKA-AL12NL	DC-2	PUY-AK12NL	mitsubishi	208	1	20/2			

- DUCTLESS SPLIT SYSTEM UNIT NOTES:
1. PROVIDE CONDENSATE PUMP WITH PIPING TO OUTSIDE FRENCH DRAIN.
 2. PROVIDE THERMOSTAT.
 3. PROVIDE CONCRETE PAD FOR OUTDOOR UNIT.

DUCTLESS SPLIT SYSTEM UNIT SCHEDULE - I.T. ROOM (HEATING & COOLING)											
COOLING CAP TONS	AIR HANDLER		OUTSIDE UNIT		MANUFACTURER	VOLT	PHASE	FUSE	SEER	HSPF	REMARKS
	SYMBOL	MODEL	SYMBOL	MODEL							
1½	DHAHU-1	MS2-GX18NL	DHP-1	MUZ-GX18NL	mitsubishi	208	1	25/2	-	-	-

- DUCTLESS SPLIT SYSTEM UNIT NOTES:
1. PROVIDE CONDENSATE PUMP WITH PIPING TO OUTSIDE FRENCH DRAIN.
 2. PROVIDE THERMOSTAT.
 3. PROVIDE CONCRETE PAD FOR OUTDOOR UNIT.

WALL HEATER SCHEDULE								
SYMBOL	DESCRIPTION	KW	VOLT	PHASE	THERMOSTAT	MFG.	MODEL	REMARKS
EH-1	MECH ROOM	2	208	1	MOUNT ON HEATER	Q-MARK	AWH4208	--

- HEATER NOTES:
1. MAINTAIN WALL RATINGS AS NECESSARY.
 2. VERIFY COLOR WITH OWNER.

EQUALS CAN BE SUBMITTED FOR WALL MOUNTED HEATERS, ROOF MOUNTED GRAVITY VENTILATORS FOR EXHAUSTS & INTAKES, REGISTERS, RADIATION DAMPERS & FIRE DAMPERS

AIR SCHEDULE							
FUNCTION OF SPACE	PRESSURE RELATIONSHIP TO ADJACENT AREA	MINIMUM OUTDOOR ACH	MINIMUM TOTAL ACH	ALL ROOM AIR EXHAUSTED DIRECTLY TO OUTDOORS	AIR RECIRCULATED BY MEANS OF ROOM UNITS	DESIGN RELATIVE HUMIDITY%	DESIGN TEMPERATURE °F/°C
BATHING ROOM	NEGATIVE	NR	10	YES	NO	NR	70-75/21-24
OCCUPATIONAL THERAPY	NR	2	6	NR	NR	NR	70-75/21-24
PHYSICAL THERAPY	NEGATIVE	2	6	NR	NR	NR	70-75/21-24
RESIDENT/GATHERING /ACTIVITY/DINING	NR	4	4	NR	NR	NR	70-75/21-24
RESIDENT ROOM	NR	2	2	NR	NR	NR	70-75/21-24
RESIDENT UNIT COORIDOR	NR	NR	4	NR	NR	NR	NR
DIALYSIS	NR	2	6	NR	NR	NR	NR

ROOF MOUNTED GRAVITY VENTILATOR - INTAKE							
SYMBOL	TYPE	CFM	MFG.	SIZE	MODEL	MATERIAL	REMARKS
IC-1	INTAKE	1300	GREENHECK	20"ø	GRS-20	ALUMINUM	
IC-2	INTAKE	2100	GREENHECK	30"ø	GRS-30	ALUMINUM	
IC-3	INTAKE	1500	GREENHECK	24"ø	GRS-24	ALUMINUM	
IC-4	INTAKE	1050	GREENHECK	18"ø	GRS-18	ALUMINUM	
IC-5	INTAKE	1150	GREENHECK	18"ø	GRS-18	ALUMINUM	
IC-6	INTAKE	500	GREENHECK	15"ø	GRS-15	ALUMINUM	
IC-7	INTAKE	1400	GREENHECK	24"ø	GRS-24	ALUMINUM	
IC-8	INTAKE	1000	GREENHECK	18"ø	GRS-18	ALUMINUM	
IC-9	INTAKE	1000	GREENHECK	18"ø	GRS-18	ALUMINUM	
IC-10	INTAKE	800	GREENHECK	16"ø	GRS-16	ALUMINUM	
IC-11	INTAKE	1600	GREENHECK	24"ø	GRS-24	ALUMINUM	
IC-12	INTAKE	1120	GREENHECK	20"ø	GRS-20	ALUMINUM	
IC-13	INTAKE	1500	GREENHECK	24"ø	GRS-24	ALUMINUM	
IC-14	INTAKE	1000	GREENHECK	18"ø	GRS-18	ALUMINUM	
IC-15	INTAKE	1500	GREENHECK	24"ø	GRS-24	ALUMINUM	
IC-16	INTAKE	1200	GREENHECK	20"ø	GRS-20	ALUMINUM	
IC-17	INTAKE	1700	GREENHECK	24"ø	GRS-24	ALUMINUM	
IC-18	INTAKE	600	GREENHECK	18"ø	GRS-18	ALUMINUM	
IC-19	INTAKE	1500	GREENHECK	24"ø	GRS-24	ALUMINUM	
IC-20	INTAKE	1500	GREENHECK	24"ø	GRS-24	ALUMINUM	

- GRAVITY VENTILATOR NOTES:
1. PROVIDE ROOF CURB.
 2. FOLLOW ALL GENERAL NOTES ON SHEET M1.
 3. FOR ALL VENTILATORS, DROP INTO ATTIC WITH SIZE AS INDICATED.
 4. FOR ALL INTAKE VENTILATORS, MOUNT INTAKE 37" FROM ROOF DECK.

ROOF MOUNTED GRAVITY VENTILATOR - EXHAUST							
SYMBOL	TYPE	CFM	MFG.	SIZE	MODEL	MATERIAL	REMARKS
DC-1	DISCHARGE	1800	GREENHECK	24"ø	GRS-24	ALUMINUM	
DC-2	DISCHARGE	900	GREENHECK	16"ø	GRS-16	ALUMINUM	
DC-3	DISCHARGE	900	GREENHECK	16"ø	GRS-16	ALUMINUM	
DC-4	DISCHARGE	970	GREENHECK	18"ø	GRS-18	ALUMINUM	
DC-5	DISCHARGE	500	GREENHECK	12"ø	GRS-12	ALUMINUM	
DC-6	DISCHARGE	500	GREENHECK	30"ø	GRS-30	ALUMINUM	
DC-7	DISCHARGE	1100	GREENHECK	18"ø	GRS-18	ALUMINUM	
DC-8	DISCHARGE	200	GREENHECK	8"ø	GRS-8	ALUMINUM	
DC-9	DISCHARGE	1000	GREENHECK	18"ø	GRS-18	ALUMINUM	
DC-10	DISCHARGE	1000	GREENHECK	18"ø	GRS-18	ALUMINUM	
DC-11	DISCHARGE	600	GREENHECK	15"ø	GRS-15	ALUMINUM	
DC-12	DISCHARGE	1550	GREENHECK	20"ø	GRS-20	ALUMINUM	
DC-13	DISCHARGE	1000	GREENHECK	18"ø	GRS-15	ALUMINUM	
DC-14	DISCHARGE	1500	GREENHECK	20"ø	GRS-20	ALUMINUM	
DC-15	DISCHARGE	1000	GREENHECK	18"ø	GRS-18	ALUMINUM	
DC-16	DISCHARGE	1500	GREENHECK	20"ø	GRS-20	ALUMINUM	
DC-17	DISCHARGE	1500	GREENHECK	20"ø	GRS-20	ALUMINUM	
DC-18	DISCHARGE	1500	GREENHECK	20"ø	GRS-20	ALUMINUM	
DC-19	DISCHARGE	1500	GREENHECK	20"ø	GRS-20	ALUMINUM	

- GRAVITY VENTILATOR NOTES:
1. PROVIDE ROOF CURB.
 2. FOLLOW ALL GENERAL NOTES ON SHEET M1.
 3. FOR ALL VENTILATORS, DROP INTO ATTIC WITH SIZE AS INDICATED.

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DAVID R. POLSTON

10/15/2018

7/28/25

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2

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DSA #25924

CEILING RADIATION DAMPER



MODEL:
50EA (Rectangular)

APPLICATION
The CRD-50EA has been UL tested and labeled for protection of ceiling openings in fire rated floor/ceiling assemblies with fire resistance ratings of 3 hours or less. This product can also be applied to steel lay-in style ceiling diffusers up to 24 in. x 24 in. (610mm x 610mm) maximum size. The damper is UL fire rated Ceiling/Floor Assembly L-563 and Ceiling/Roof Assembly P-544.

RATING:
UL CLASSIFIED: UL 555C Fire Resistance Rating
Fire resistance rated 3 Hours
Building materials rated 3 Hours or less

Model CRD 50EA meets the requirements for fire dampers established by:
CSFM California State Fire Marshal
Fire Damper Listing #3225-1417:101

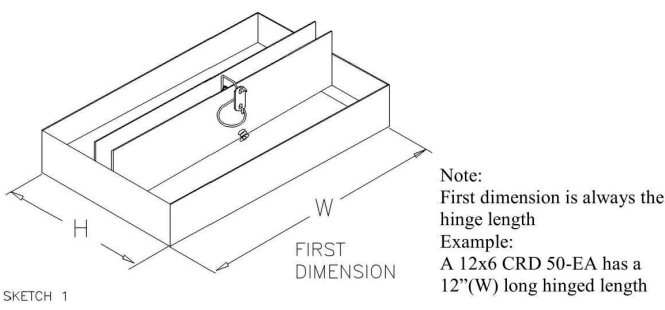
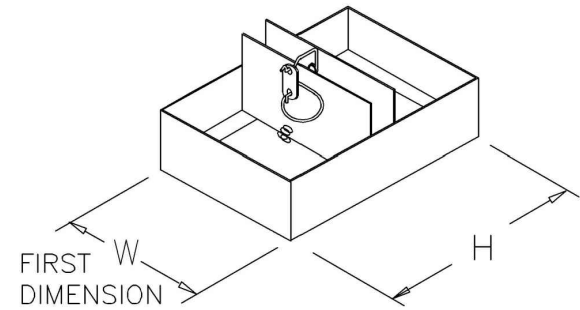
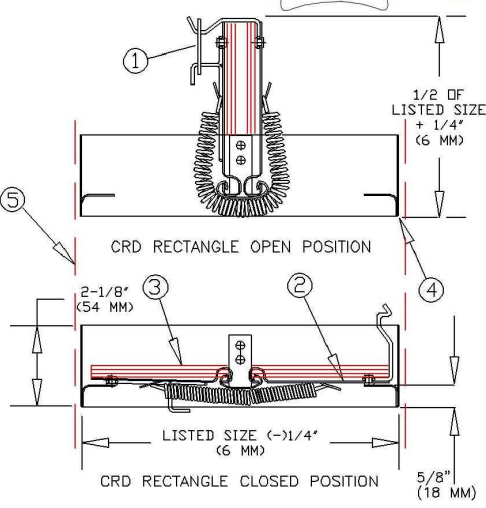


Standard Construction

- UL listed link (165°F Standard)
- Blades 22 (0.853mm) Ga. Galv. Steel
- Roll-formed frame 22 (0.853mm) ga. Galv. Steel
- Steel duct drop (by others).

Note:

- Maximum size 24"x24" (600mm x 600mm)
Minimum size 4"x6" (101 mm x 152mm)
- Manufactured with blade opening as per sketch #1; when "W" equal to or greater than 6"
- Manufactured with blade opening as per sketch #2; when "W" is less than 6" and "H" is greater than "W".
- "Ceramic insulation is not UL required on dampers with areas less than 80 square inches and is optional. Dampers above 80 square inches will be provided with blade insulation.



231 Commerce Dr. Montgomeryville, PA 18936
Tel: 215-412-4445 Fax: 215-412-4409
Email: lloydind@firedamper.com

138 Industrial Loop West, Orange Park, FL 32073
Tel: 904-541-1655 Fax: 904-541-1657
Email: lloydind1@bellsouth.net

B1, 4/F., Luen Ming Hung Factory Building
36 Mok Chung St.,
To Kwa Wan, Kowloon, H. K.
Tel: 852-2760-4188 Fax: 852-2760-4177
Email: tainlexym@lloydasia.com

Website: www.firedamper.com

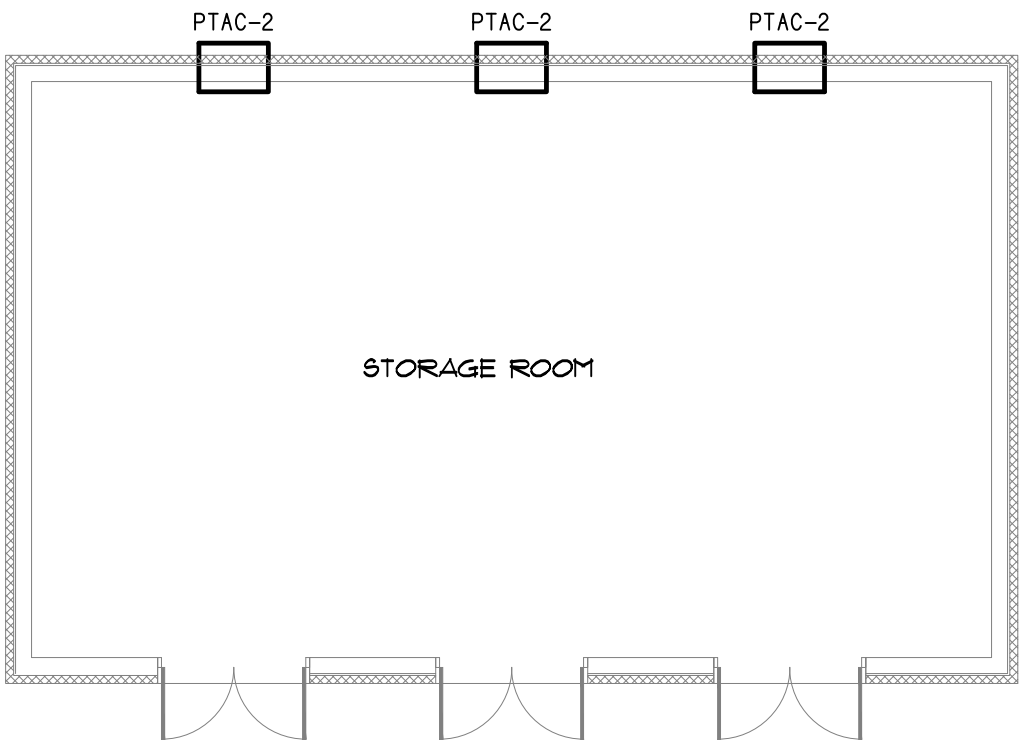
*ALL DRAWING SPECIFICATIONS ARE SUBJECT TO UPDATE WITHOUT NOTICE OR OBLIGATION.

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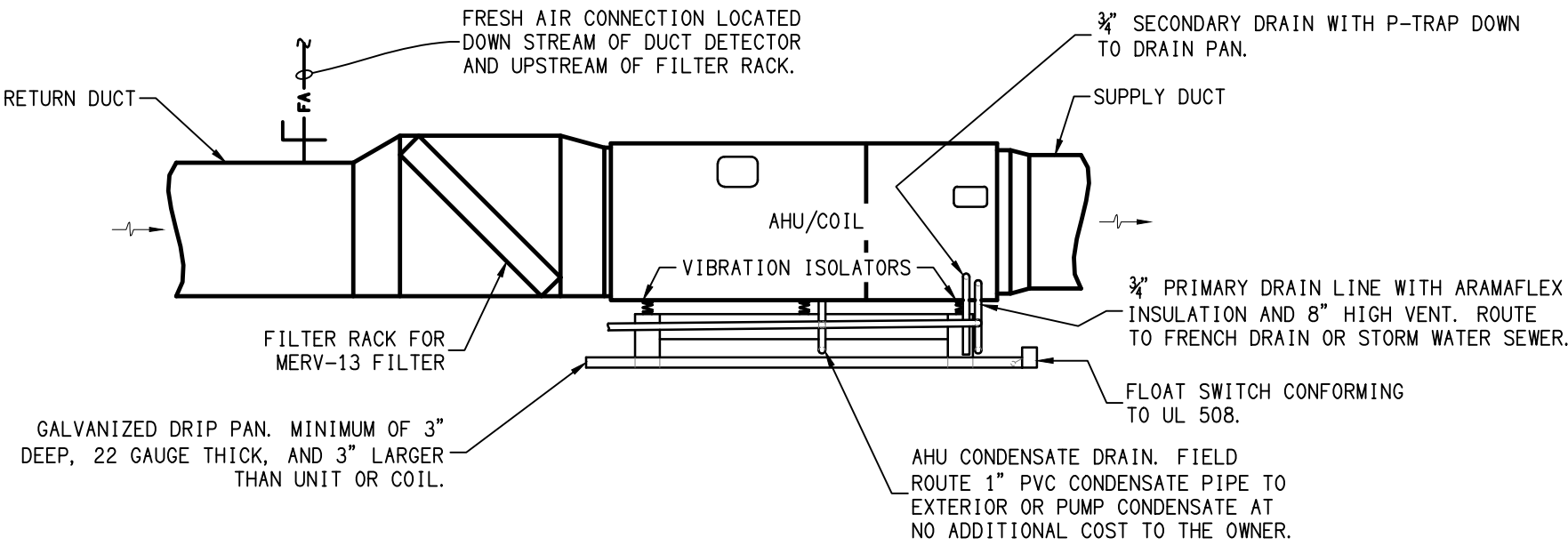
THE OPERATING TEMPERATURE OF THE CEILING RADIATION DAMPER ACTUATION DEVICE SHALL BE 50°F ABOVE THE NORMAL TEMPERATURE WITHIN THE DUCT SYSTEM, BUT NOT LESS THAN 160°F.

VERIFY WITH MANUFACTURER THE ACCEPTABILITY OF THIS PRODUCT WITH THE INSTALLATION AND APPLICATION PRIOR TO ORDERING. VERIFY THE MANUFACTURER HAS DOCUMENTATION AND THAT THE DAMPER CAN BE INSTALLED WITH ALUMINUM GRILLES/DIFFUSERS PRIOR TO ORDERING. INSTALLATION SHALL BE AS PER THE MANUFACTURERS RECOMMENDATIONS.

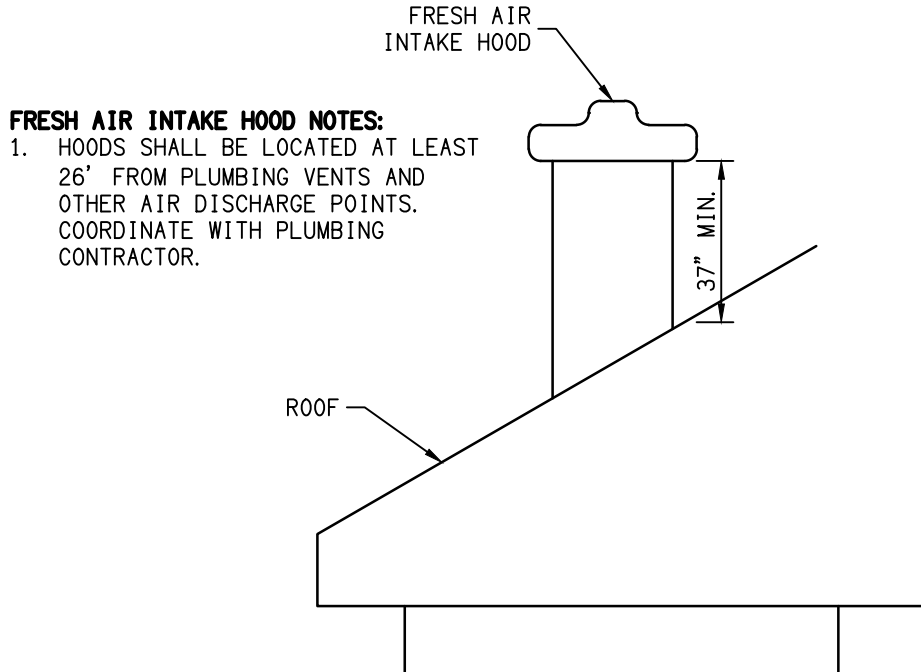
A M3 RADIATION DAMPER DETAIL
SCALE: NTS
1 HR SHEETROCK CEILING



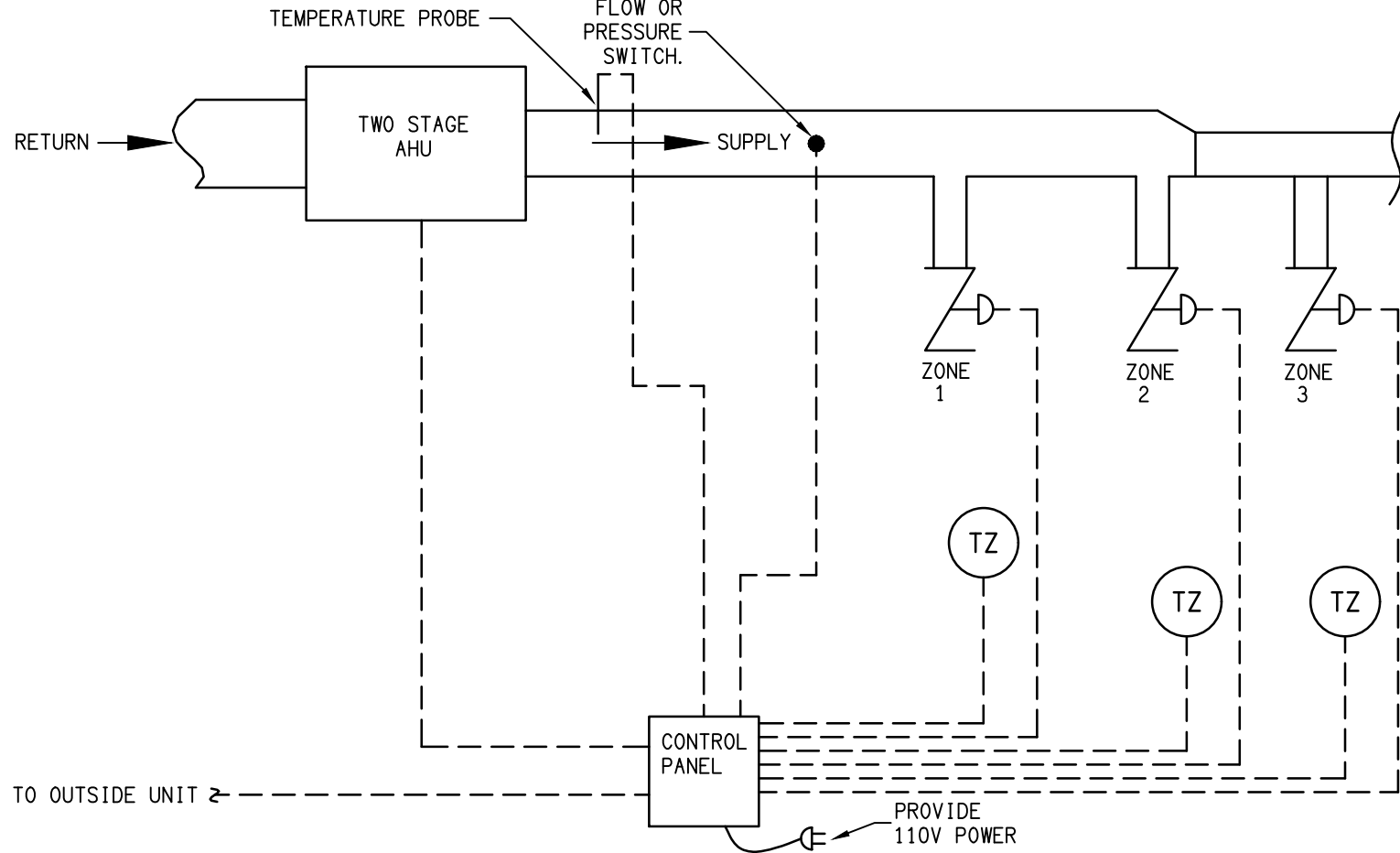
H M3 Storage Building Mechanical Plan
SCALE: 1/8" = 1' -0"



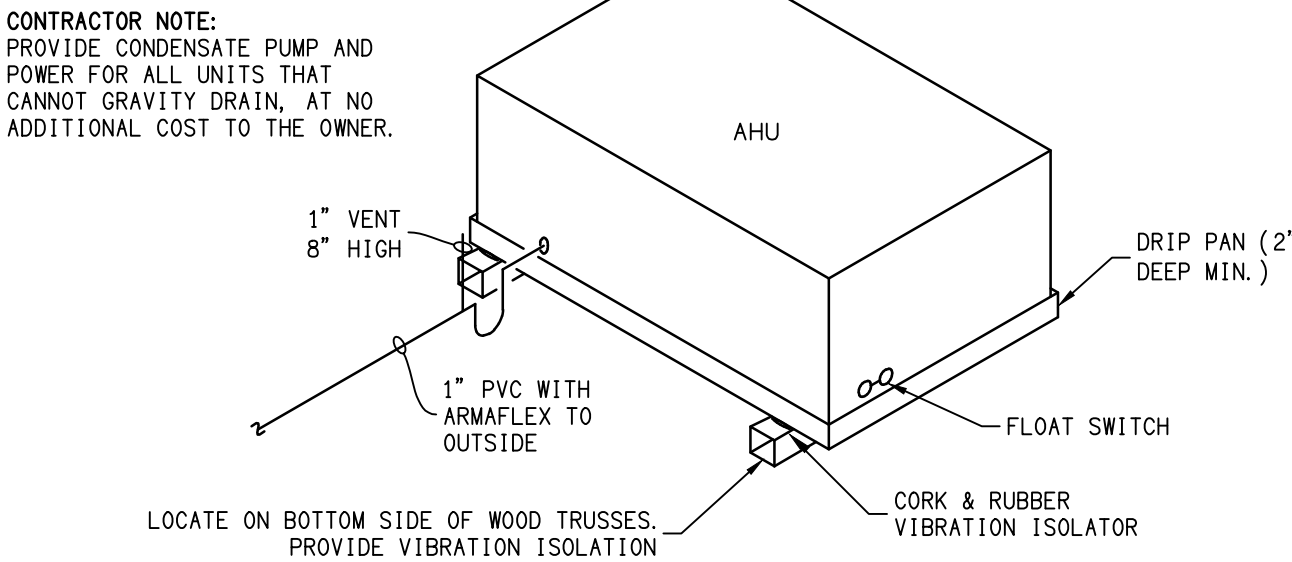
B M3 AHU FILTER DETAIL
SCALE: NTS



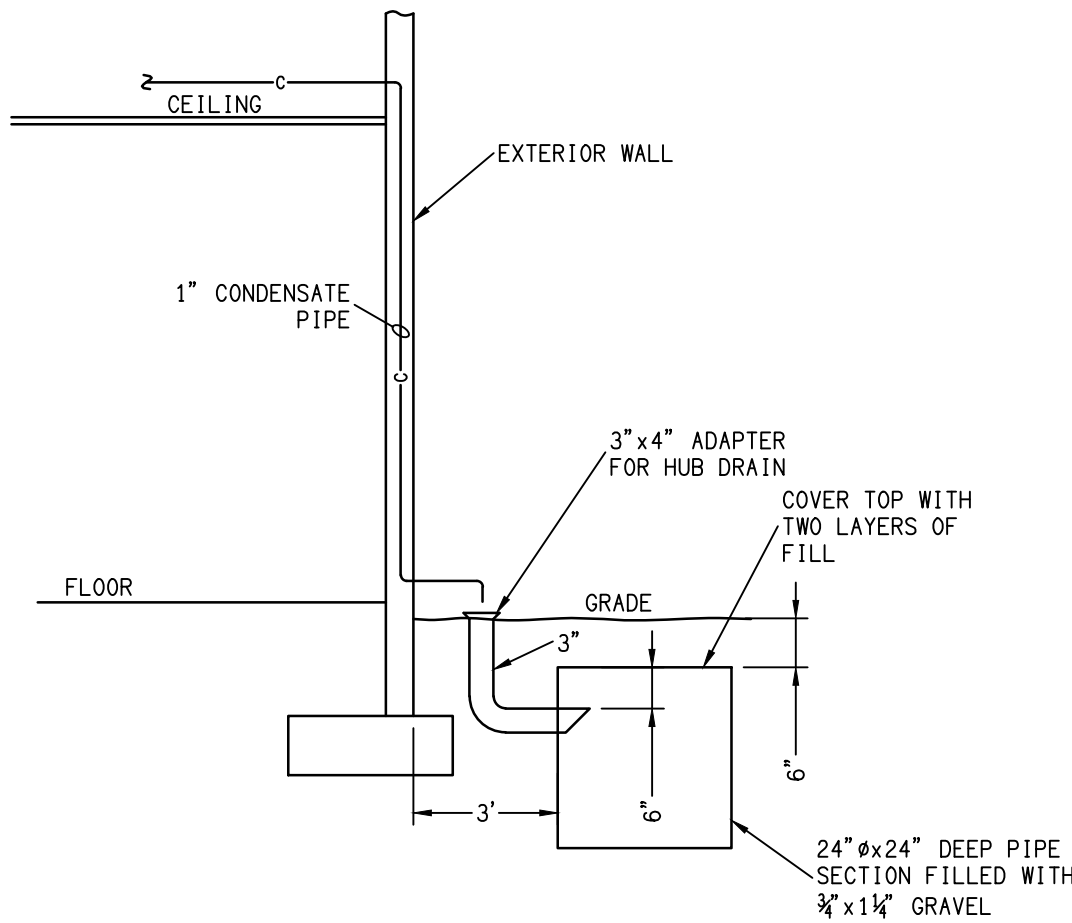
D M3 FRESH AIR MAKEUP HOOD
SCALE: NONE



E M3 ZONE CONTROL SYSTEM SCHEMATIC
N.T.S. (AHU-1 & 2)



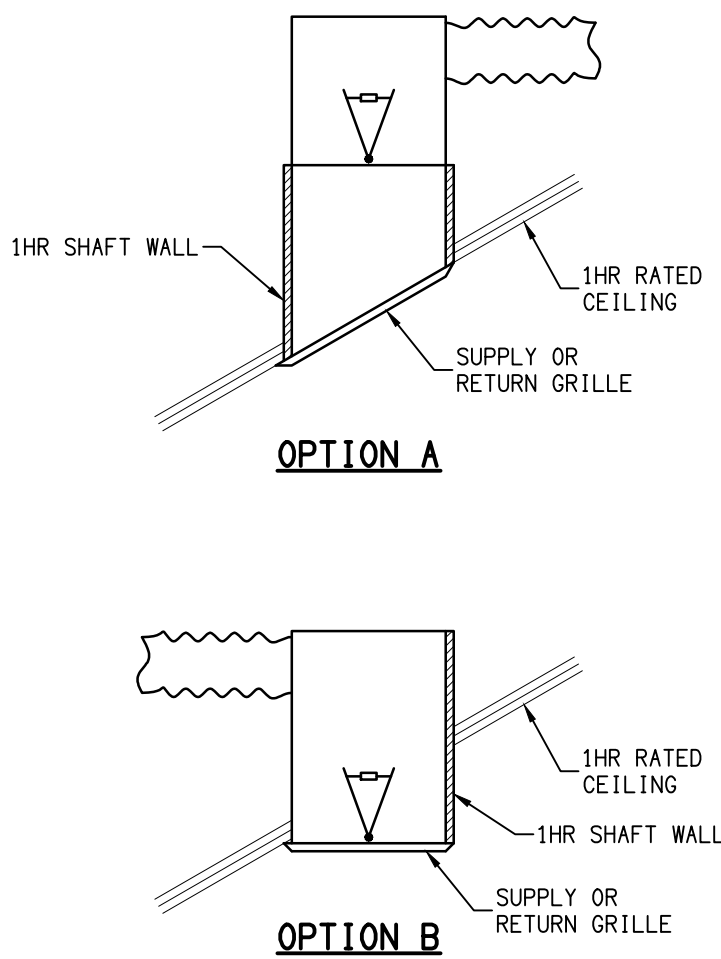
F M3 HORIZONTAL AHU CONDENSATE PIPING
NOT TO SCALE (ATTIC UNITS)



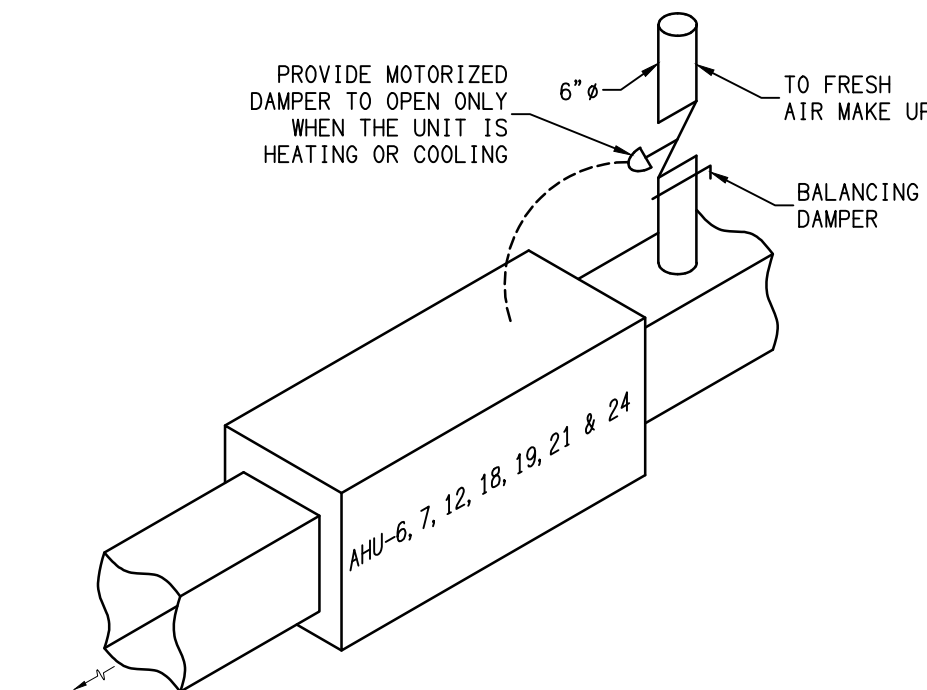
C M3 FRENCH DRAIN DETAIL
SCALE: NONE

ZONE CONTROLLER:

- ZONE CONTROLLER SHALL INCLUDE FLASH BASED MICROPROCESSOR FOR AUTOMATIC CONTROL OF UP TO 4 ZONES MINIMUM ON A SINGLE HVAC SYSTEM.
- CONTROLLER SHALL INCLUDE LED DISPLAY WITH FULL TEXT STATUS MONITORING AND DIAGNOSIS OF THE ENTIRE SYSTEM AND EQUIPMENT.
- CONTROLLER SHALL CONTAIN ELECTRONIC LIMIT CONTROL (ELC) SUPPLY AIR SENSOR WHICH ALLOWS CONSTANT MONITORING OF THE LEAVING AIR TEMPERATURE ON THE LED DISPLAY, INCLUDING HIGH AND LOW TEMPERATURE LIMITS WHICH PROTECT HVAC EQUIPMENT AGAINST EXTREME HIGH AND LOW TEMPERATURE OPERATION. FRESH AIR OUTSIDE AIR CAPABILITY WITH ADDITIONAL SENSOR (OPTIONAL).
- IN THE EVENT OF SUPPLY AIR SENSOR OR SENSOR WIRING FAILURE, THE CONTROLLER SHALL CONTINUE OPERATING THE HVAC SYSTEM AS A SINGLE ZONE SYSTEM WITHOUT INTERRUPTION.
- PUSH BUTTONS SHALL ALLOW FOR DIGITAL ADJUSTMENT OF HIGH AND LOW LIMIT TEMPERATURES AND FOR HEAT PUMPS, THERMOSTAT TYPE SELECTION.
- ON HEAT PUMPS SYSTEMS, EMERGENCY HEAT MUST BE INITIATED FROM THERMOSTAT #1 AND NOT A SWITCH ON THE ZONE CONTROL BOARD.
- EACH ZONE CONTROLLER THERMOSTAT TERMINAL AND EQUIPMENT TERMINAL SHALL HAVE A COLOR-CODED LED ALLOWING FOR EASY MONITORING OF THERMOSTATS AND SYSTEM CALLS.
- ROUND ZONE DAMPER MOTORS SHALL BE 2-POSITION DESIGN WITH A SOFT-EDGE DAMPER BLADE GASKET AND SHALL BE POWERED BY 24VAC POWER OPEN / POWER CLOSE MOTOR DEVELOPING 18 IN.-LB. OF TORQUE AT 2.5VA (MAX 4.0 VA). HOUSING SHALL BE GALVANIZED SPIRAL PIPE OF NO LESS THAN 24 GAUGE (4" THROUGH 10") AND 22 GAUGE (12" THROUGH 20").
- RECTANGULAR ZONE DAMPER MOTORS SHALL BE 2-POSITION DESIGN WITH 6063T5 EXTRUDED ALUMINUM FRAME AND OPPOSED BLADES AND SHALL BE POWERED BY 24VAC POWER OPEN / POWER CLOSE MOTOR DEVELOPING 18 IN.-LB. OF TORQUE AT 2.5VA (MAX 4.0VA).
- ALL ZONE DAMPERS SHALL INCLUDE ACCURATE, NON-ADJUSTABLE, BLADE POSITION INDICATOR AND ADJUSTABLE MINIMUM STOP CAPABILITY.
- AUTOMATIC ELECTRONIC BYPASS DAMPER WITH STATIC PRESSURE CONTROL IS REQUIRED UNLESS NOTED OTHERWISE.
- ZONE CONTROLLER, DAMPER MOTORS AND THERMOSTATS SHALL BE POWERED WITH A SEPARATE 24V 40VA FUSED TRANSFORMER PROVIDED BY HVAC CONTRACTOR.
- HVAC CONTRACTOR SHALL CONTACT COMFORT SOLUTIONS, INC. AT 910-452-0740 FOR PRE-INSTALLATION TRAINING AND FINAL INSPECTION UPON COMPLETION OF EACH PHASE OF CONSTRUCTION.

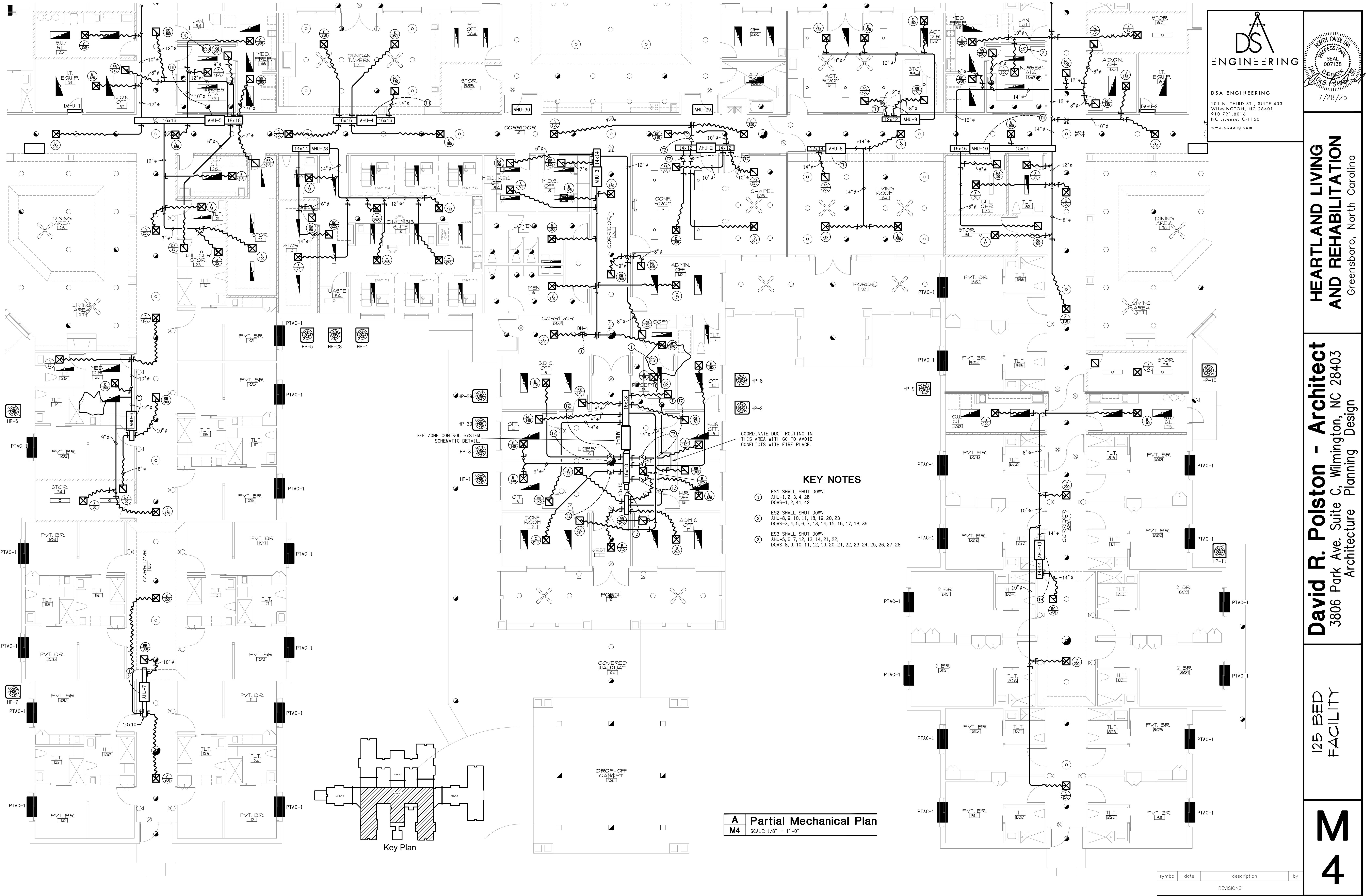


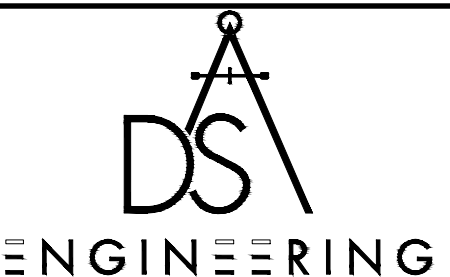
I M3 Sloped Ceiling Grille Radiation Damper Installation
SCALE: NTS



G M3 VRF AHU FRESH AIR MAKE UP
NOT TO SCALE

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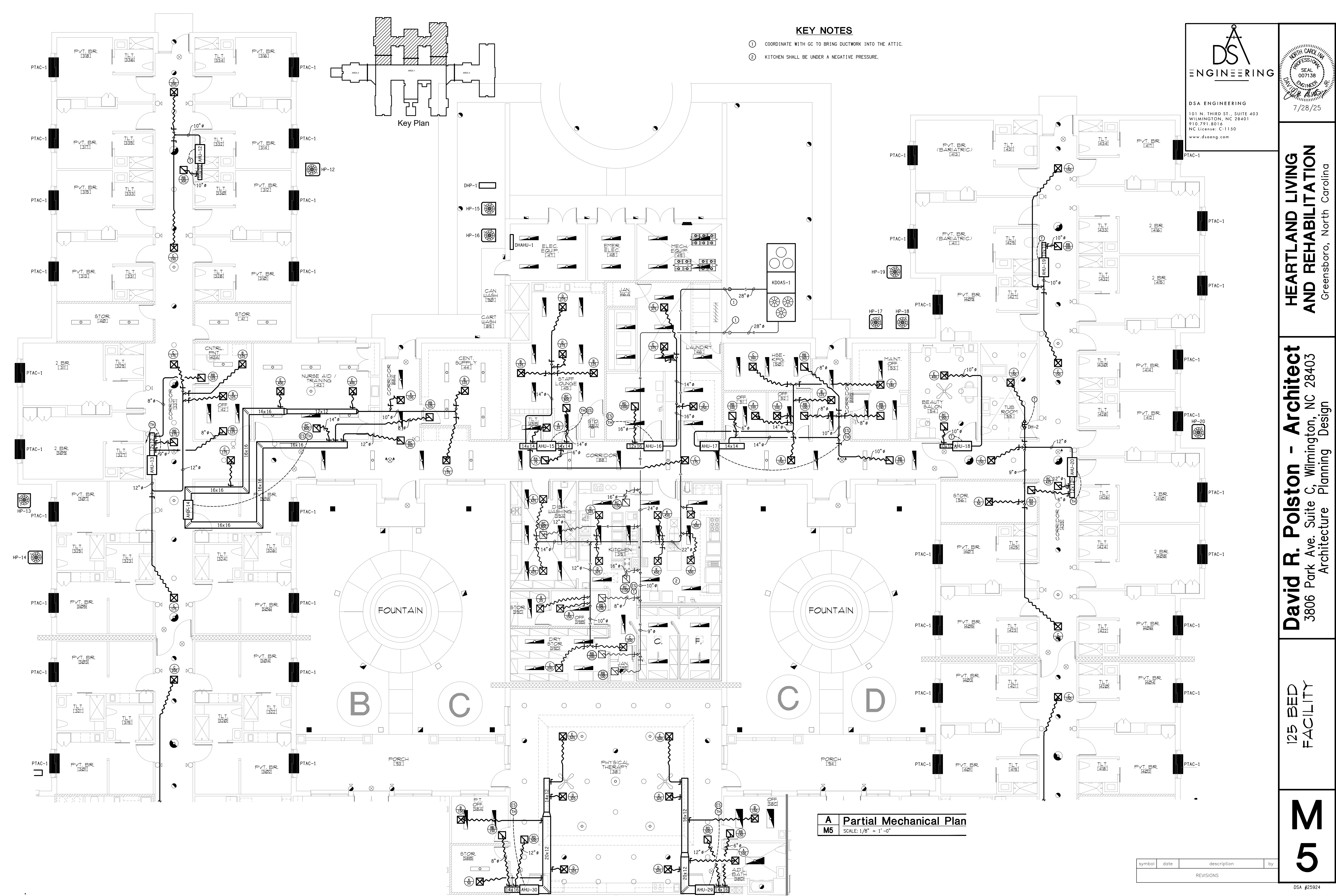
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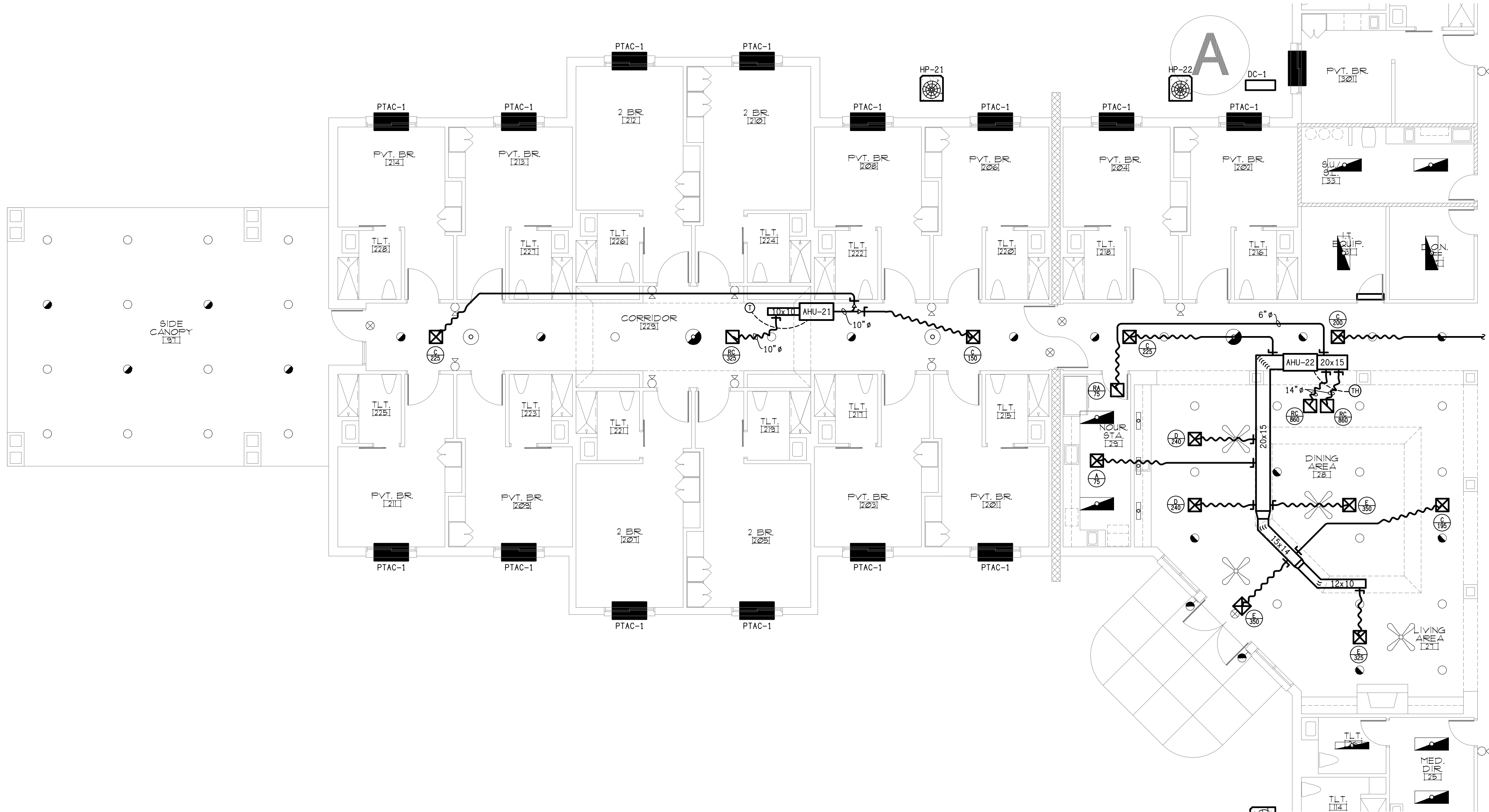
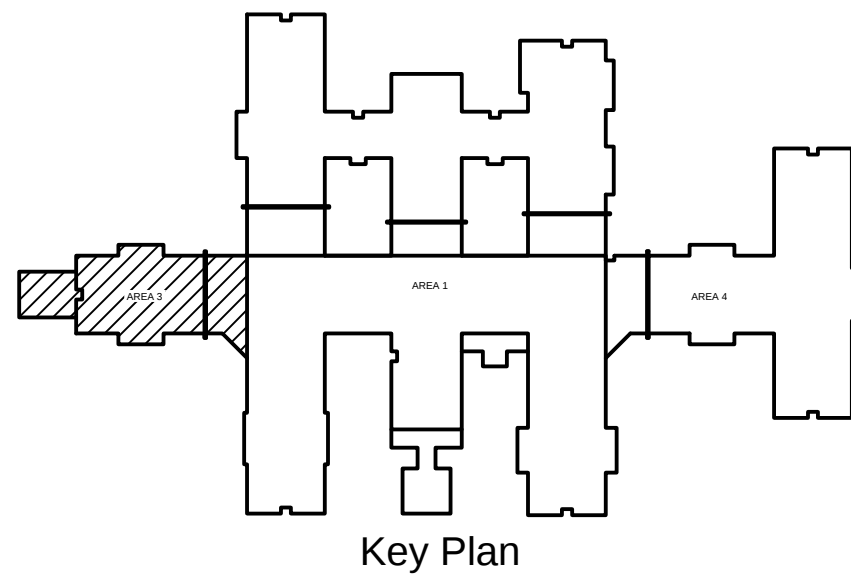
David R. Polston - Architect
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Architecture Planning Design

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M
4

A Partial Mechanical Plan
M4 SCALE: 1/8" = 1'-0"





A **Partial Mechanical Plan**
M6 SCALE: 1/8" = 1' - 0"

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DAVID R. POLSTON
ARCHITECT

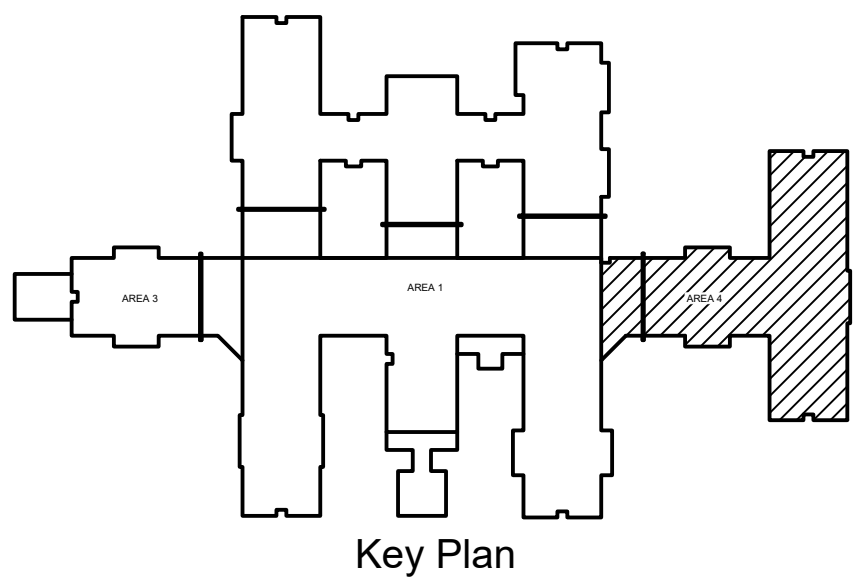
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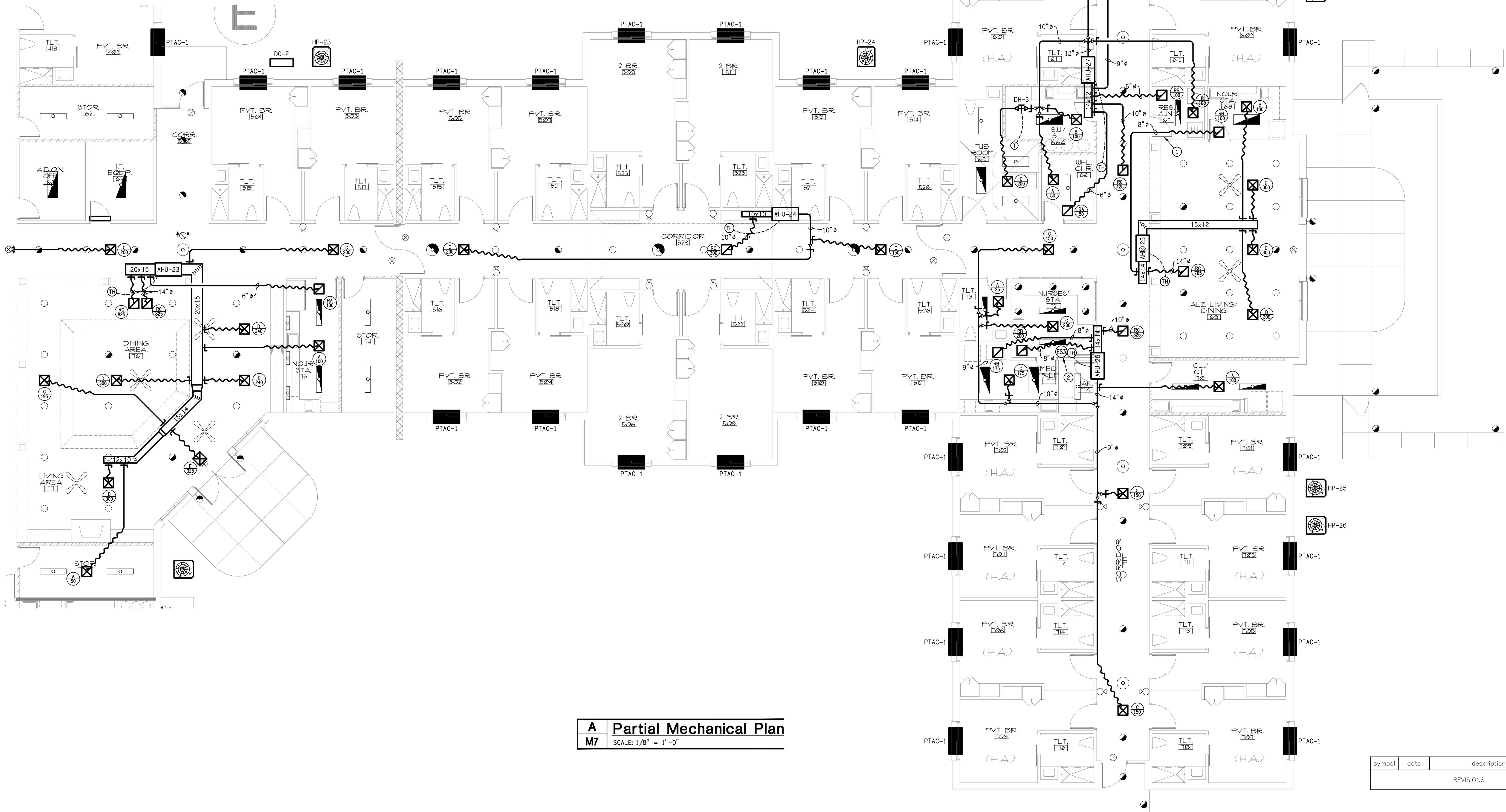
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M
6



KEY NOTES

- ① UNDERCUT DOOR BY 0.67 INCHES.
- ② ES3 SHALL SHUT DOWN:
AHU-24, 25, 26, 27
DOAS-29, 30, 31, 32, 33, 34, 35, 36, 37, 38

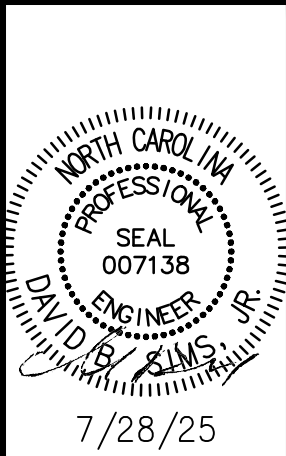


A Partial Mechanical Plan
M7 SCALE: 1/8" = 1' - 0"



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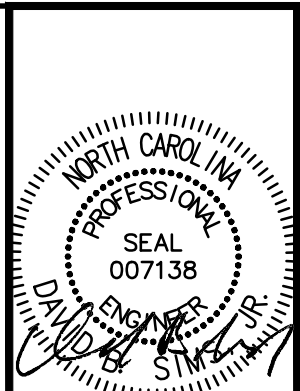
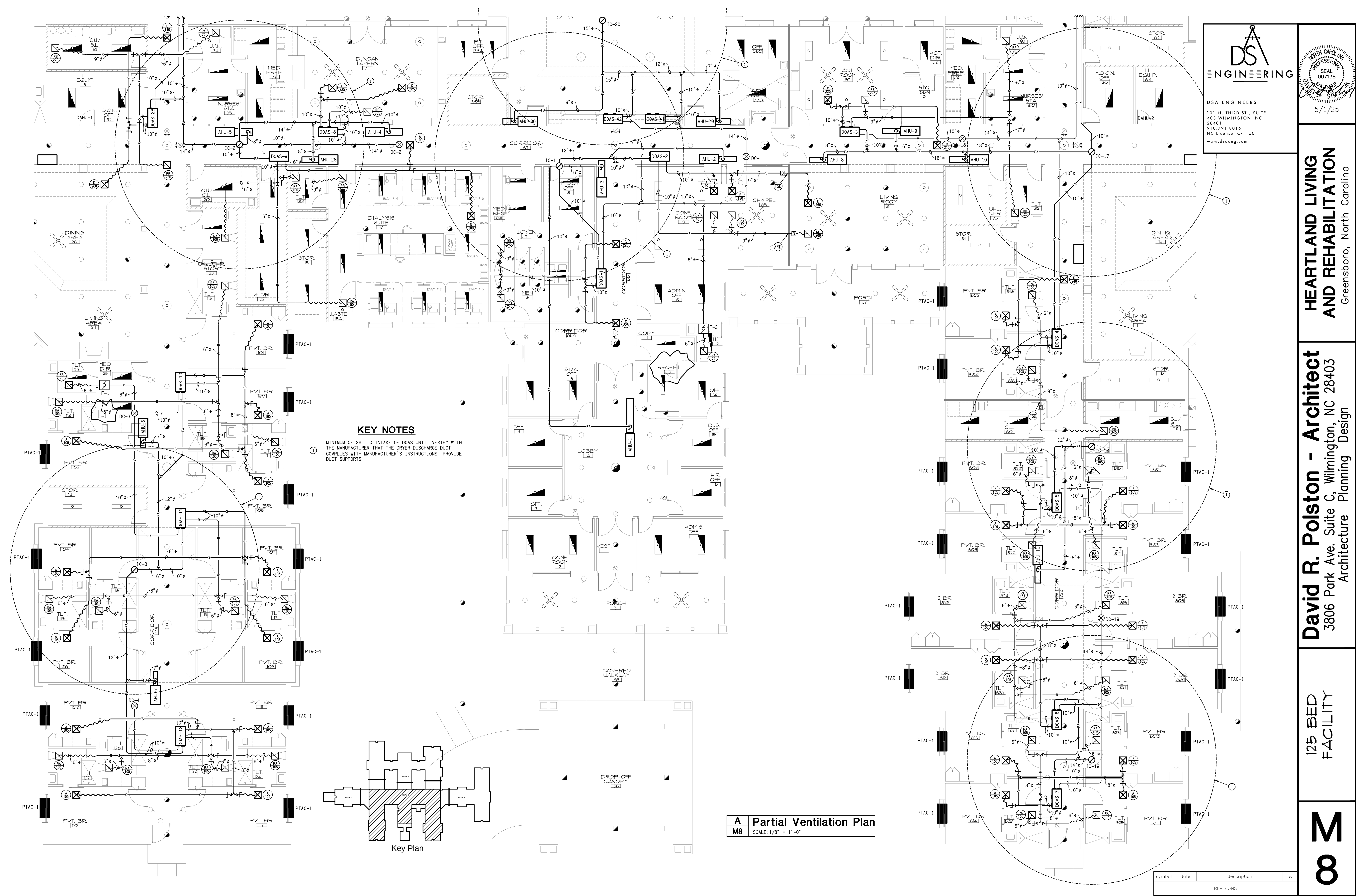
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**M
7**

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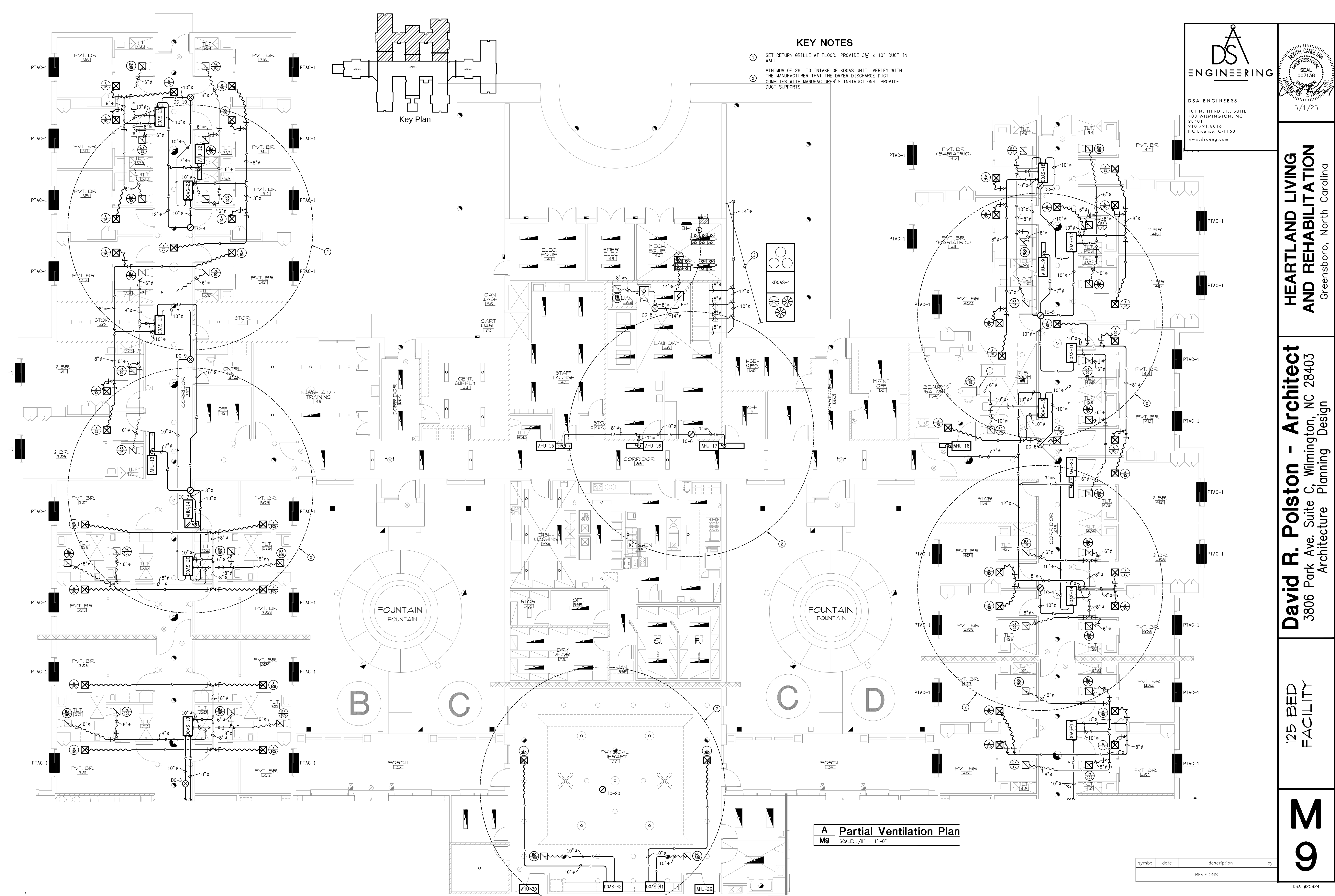


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**M
8**



KEY NOTES

- 1 SET RETURN GRILLE AT FLOOR. PROVIDE 3 1/2" x 10" DUCT IN WALL.
- 2 MINIMUM OF 26' TO INTAKE OF KDAS UNIT. VERIFY WITH THE MANUFACTURER THAT THE DRYER DISCHARGE DUCT COMPLIES WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE DUCT SUPPORTS.

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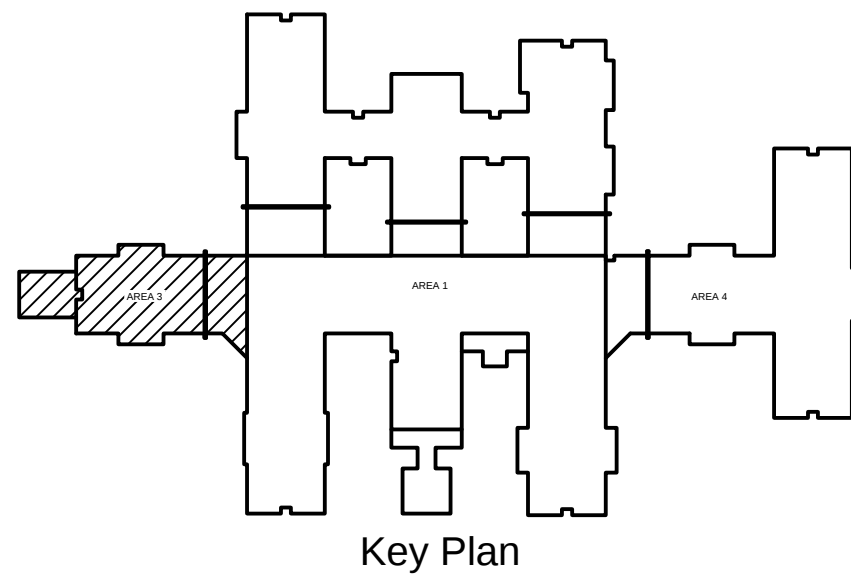
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FACILITY

**M
9**

DSA #25924

A Partial Ventilation Plan
M9 SCALE: 1/8" = 1'-0"

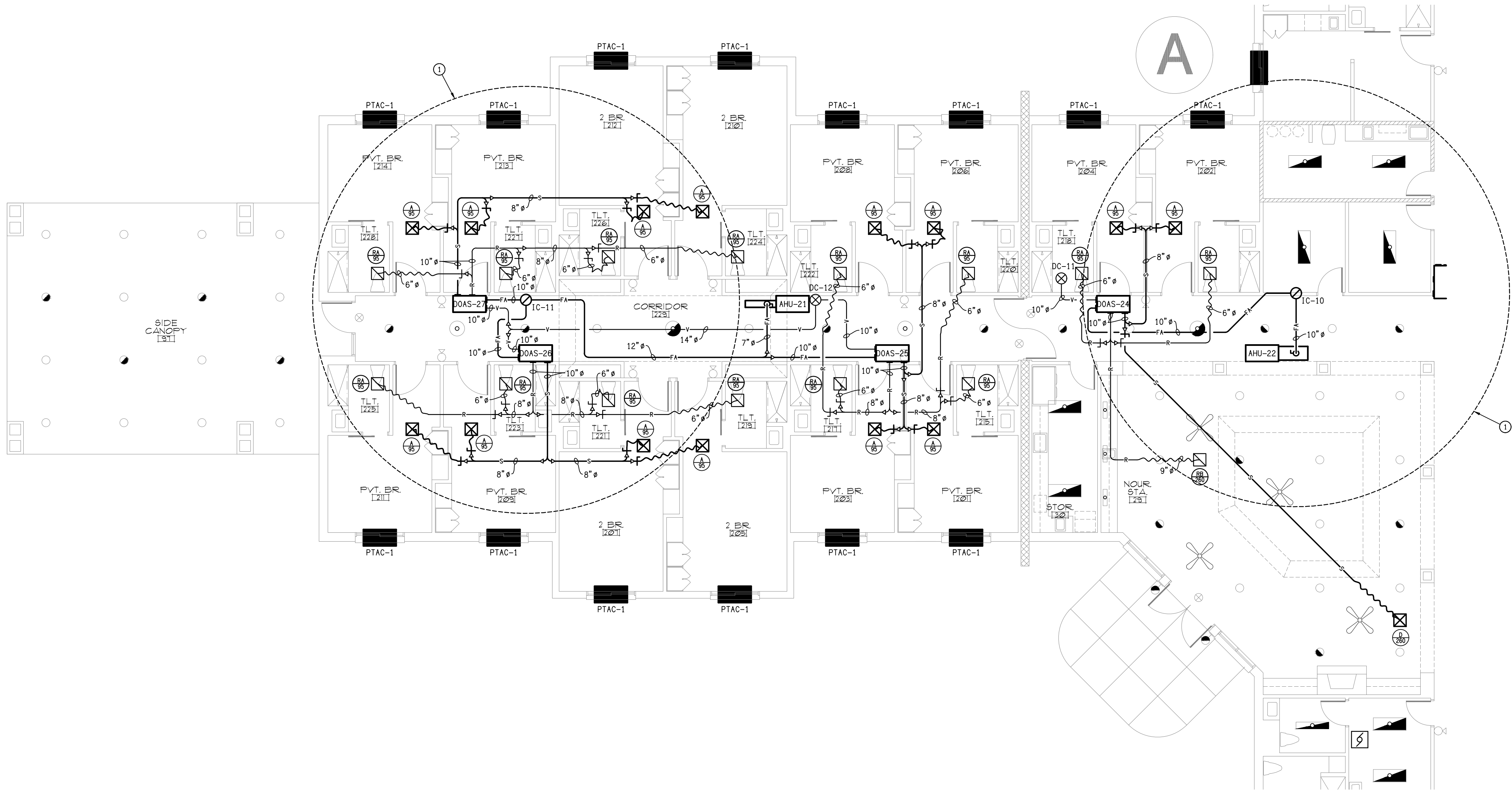
symbol	date	description	by
REVISIONS			



Key Plan

KEY NOTES

- 1 MINIMUM OF 26' TO INTAKE OF DOAS UNIT. VERIFY WITH THE MANUFACTURER THAT THE DRYER DISCHARGE DUCT COMPLIES WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE DUCT SUPPORTS.



A Partial Ventilation Plan
M10 SCALE: 1/8" = 1'-0"

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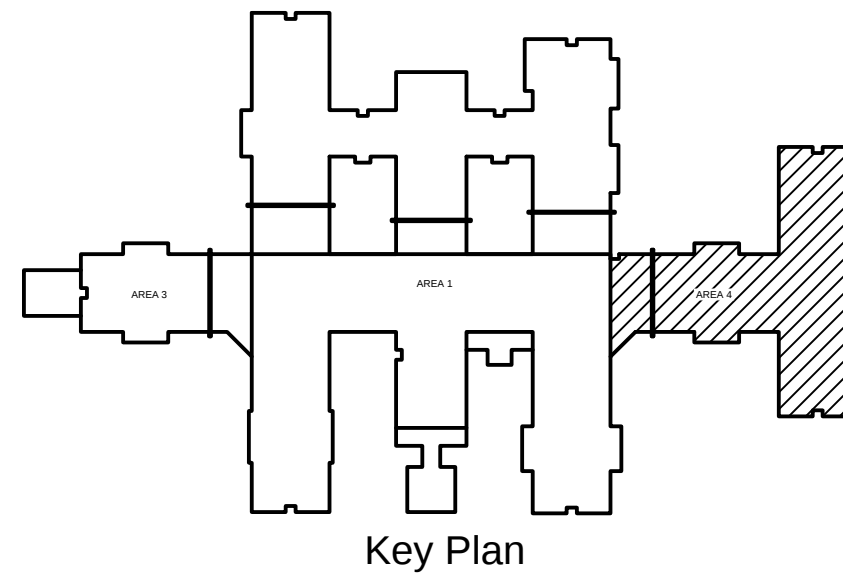
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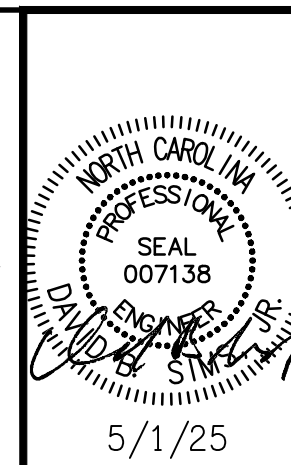
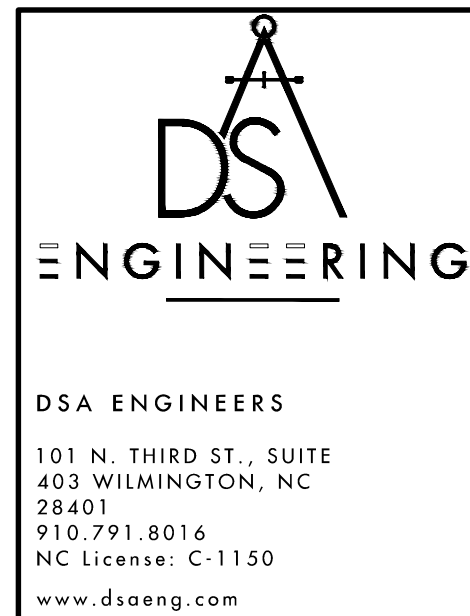
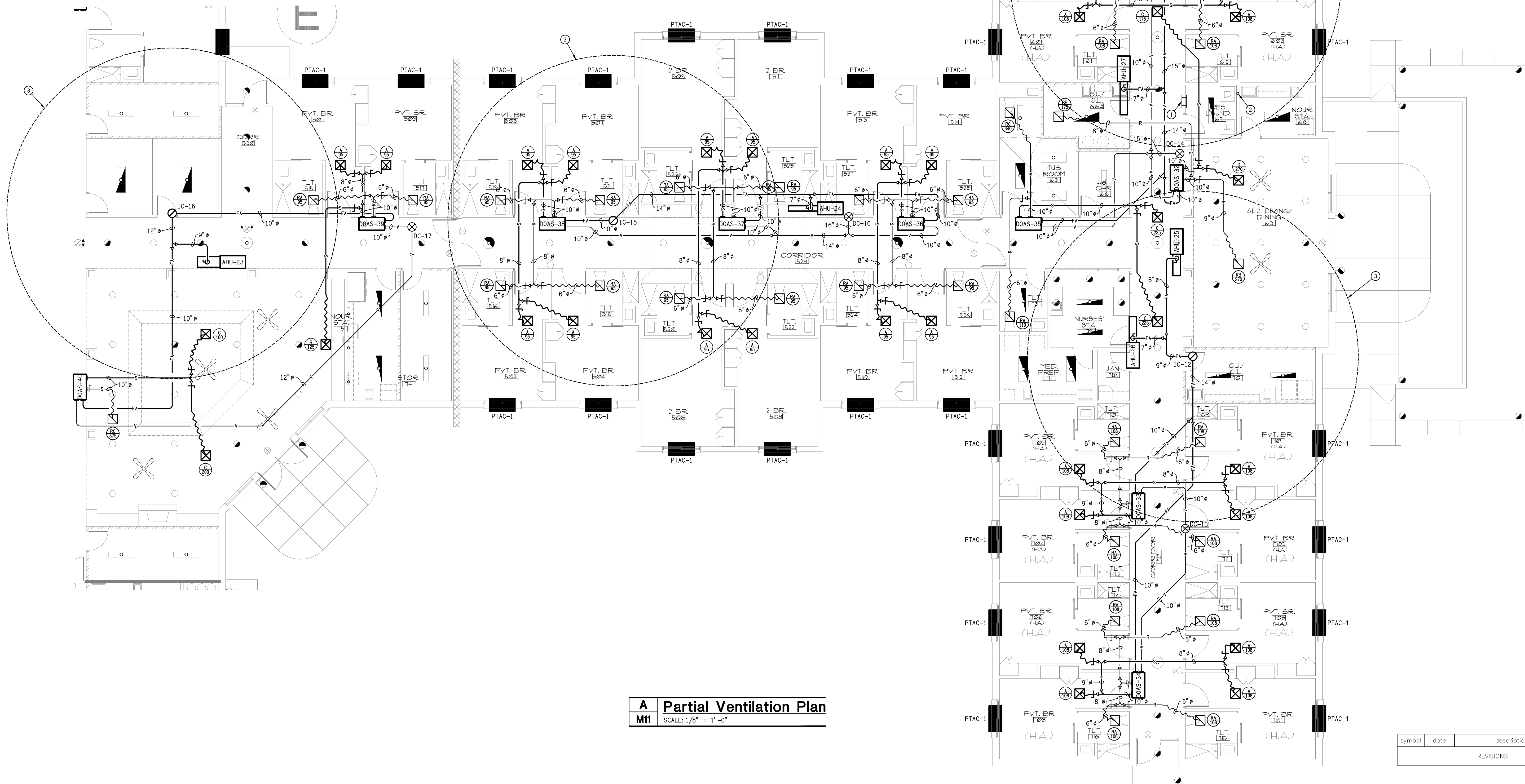
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- ① TRANSFER GRILLE. TWO RB RETURN GRILLES SET HIGH IN WALL.
- ② 4" Ø DRYER VENT IN WALL. SEE DETAIL B/M11.
- ③ MINIMUM OF 26' TO INTAKE OF DOAS UNIT. VERIFY WITH THE MANUFACTURER THAT THE DRYER DISCHARGE DUCT COMPLIES WITH MANUFACTURER'S INSTRUCTIONS. PROVIDE DUCT SUPPORTS.



HEARTLAND LIVING AND REHABILITATION

Greensboro, North Carolina

David R. Polston - Architect
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