ABBREVIATIONS

Term	Abbreviation
ABOVE FINISHED FLOOR	AFF
AIR-HANDLING UNIT	AHU
AMBIENT	AMB
AMERICAN NATIONAL STANDARDS INSTITUTE	ANSI
AMPERE (AMP, AMPS)	AMP
APPARATUS DEW POINT	ADP
APPROXIMATE	APPROX
ATMOSPHERE	ATM
AVERAGE	AVG
BRAKE HORSEPOWER	BHP
BRITISH THERMAL UNIT	BTU
BUILDING	BLDG
CELSIUS	°C
COMPRESSOR	COMP
CONDENS(-ER, -ING, -ATION)	COND
CONNECTION	CONN
CUBIC FEET	CU FT
CUBIC INCH	CU IN
CUBIC FEET PER MINUTE	CFM
CFM, STANDARD CONDITIONS	SCFM
DEGREE	DEG OR °
DEW-POINT TEMPERATURE	DPT
DIAMETER	DIA
DIAMETER, INSIDE	ID
DIAMETER, OUTSIDE	OD
DIFFERENCE OR DELTA	DIFF
DRY-BULB TEMPERATURE	DBT
ENERGY EFFICIENCY RATING	ERR
ELEVATION	EL
ENTERING	ENT
ENTERING AIR TEMPERATURE	EAT
EXTERNAL AMBIENT TEMPERATURE	EAT
FAHRENHEIT	°F
FEET PER MINUTE	FPM
FEET PER SECOND	FPS
FOOT OR FEET	FT
GAGE OR GAUGE	GA
GALLONS	GAL
GALLONS PER HOUR	GPH
GALLONS PER MINUTE	GPM
GRAINS	GR
HEAD	HD
HEIGHT	HGT
HORSEPOWER	HP
HOUR(S)	HR
HUMIDITY, RELATIVE	RH
INCH	IN.
KILOVOLT-AMP	KVA
KILOWATT	KW
KILOWATT HOUR	KWH
LEAVING AIR TEMPERATURE	LAT
LENGTH	LG
LINEAR FEET	LF
MAXIMUM	MAX
MINIMUM	MIN.
MINUTE	MIN
MANUFACTURER	MFR
NOISE CRITERIA	NC
NON-STANDARD PART LOAD	NPLV
NORMALLY OPEN	NO
NORMALLY CLOSED	NC
NOT APPLICABLE	N/A
NOT TO SCALE	NTS
NUMBER	NO
ON CENTER	OC
OUNCE	OZ
OUTSIDE AIR	OA
PARTS PER MILLION	PPM
PERCENT	%
POUNDS	LBS
POUNDS PER SQUARE FOOT	PSF
PRESSURE	PRESS
QUANTITY	QTY
RATED LOAD AMPS	RLA
RECIRCULATE	RECIRC
REFRIGERANT (12, 22, ETC.)	R12, R22
RELATIVE HUMIDITY	RH
RETURN AIR	RA
REVOLUTIONS PER MINUTE	RPM
REVOLUTIONS PER SECOND	RPS
SAFETY FACTOR	SF
SECOND	S
SHADING COEFFICIENT	SC
SPECIFICATION	SPEC
SQUARE	SQ
STANDARD	STD
STATIC PRESSURE	SP
SUPPLY	SPLY
SUPPLY AIR	SA
TEMPERATURE	TEMP
TONS OF REFRIGERATION	TONS
TO BE DETERMINED	TBD
TOTAL DYNAMIC HEAD	TDH
U-FACTOR	U
VARIABLE AIR VOLUME	VAV
VELOCITY	VEL
VENTILATION, VENT	VENT
VOLT	V
VOLT AMPERE	VA
VOLUME	VOL
WATT	W
WEIGHT	WT
WET BULB	WB
YARD	YD
YEAR	YR

NOTE: ALL ABBREVIATIONS MAY NOT BE USED IN PROJECT.

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

MECHANICAL NOTES

1. ALL CEILINGS ARE FIRE RATED. PROVIDE SUITABLE RADIATION DAMPERS AT ALL DUCT, DIFFUSER OR GRILLE LOCATIONS. SEE DETAILS. NOTE: ONE-HOUR FIRE BARRIERS DO NOT EXTEND INTO ATTIC WHERE DUCTS ARE ROUTED. THEREFORE, FIRE DAMPERS ARE NOT APPLICABLE WHERE DUCTS CROSS ONE-HOUR FIRE BARRIERS.
2. ALL PIPING PENETRATIONS THRU RATED PARTITIONS SHALL BE PER PENETRATION DETAILS. SEE ARCHITECTURAL SHEETS.
3. ALL OUTSIDE AIR INTAKES SHALL BE LOCATED 25'-0" MIN. FROM ANY PLUMBING VENT TERMINAL OR EXHAUST OUTLET.
4. ALL ROOF MOUNTED EQUIPMENT, INTAKES, CAPS, ETC. SHALL BE LOCATED ON THE REAR FACE OF THE ROOF.
5. PAINT ALL ROOF VENTILATORS IN COLOR TO MATCH ROOF.
6. BRANCH DUCT CONNECTION TO DIFFUSER OR GRILLE MAY HAVE 6'-0" LONG MAX. FLEX DUCT CONNECTOR.
7. ALL BRANCH DUCTS (S/A, R/A, O/A, E/A) SHALL HAVE BALANCING DAMPERS.
8. ROOMS WITH POSITIVE OR NEGATIVE PRESSURE SHALL HAVE DOORS UNDERCUT BY 3/4". UNDERCUT SHALL NOT VOID RATING OF LABELED DOORS.
9. MAINTAIN ATTIC CATWALKS CLEAR FOR MAINTENANCE ACCESS. ROUTE DUCTS AND PIPES CROSSING CATWALK UP AND OVER AS HIGH AS POSSIBLE.
10. BALANCE ALL FAN AND AIR CONDITIONING SYSTEMS TO CFM'S INDICATED ON PLANS.
11. SEE SPECS FOR PROCEDURE ON APPROVAL OF EQUIVALENT MATERIALS AND EQUIPMENT.
12. EQUIPMENT AND DUCTWORK LOCATIONS IN ATTIC ARE APPROXIMATE BASED ON ASSUMED ROOF FRAMING ARRANGEMENTS. ADJUST AND COORDINATE WITH ACTUAL FIELD CONDITION AS REQUIRED TO PROVIDE CLEARANCES FOR CODE AND MAINTENANCE.
13. REFRIGERANT PIPING RUNS SHALL BE SIZED AND ARRANGED PER MFR'S RECOMMENDATIONS. PROVIDE ACCESSORIES AS RECOMMENDED.
14. COORDINATE REGISTER/DIFFUSER LOCATIONS WITH LIGHTS, SMOKE DETECTORS ETC. ADJUST LOCATIONS AS REQUIRED.
15. MECHANICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION THAT ALL EQUIPMENT INSTALLED IN ATTIC CAN BE REMOVED THROUGH ACCESS OPENINGS PROVIDED IN ACCORDANCE WITH CODE.
16. ALL ROOMS ARE NEUTRAL PRESSURE UNLESS OTHERWISE INDICATED.
17. COORDINATE EXACT LOCATION OF THERMOSTATS AND SWITCHES WITH FINAL INTERIOR DESIGN AND FURNITURE LAYOUT.

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

CLIMATE ZONE	3A - WARM/HUMID
WINTER DRY BULB:	23 °F
SUMMER DRY BULB	93 °F
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	70 °F
SUMMER DRY BULB	75 °F
RELATIVE HUMIDITY	60°RH*
	*DESIGN- NOT CONTROLLED
BUILDING HEATING LOAD:	830.34 MBH
BUILDING COOLING LOAD:	1322.82 MBH
MECHANICAL SPACING CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT:	SEE SCHEDULES
HEATING EFFICIENCY:	SEE SCHEDULES
COOLING EFFICIENCY:	SEE SCHEDULES
SIZE CATEGORY OF UNIT:	SEE SCHEDULES
BOILER	
SIZE CATEGORY, IF OVERSIZED STATE REASON:	N/A
CHILLER	
SIZE CATEGORY, IF OVERSIZED STATE REASON:	N/A
LIST EQUIPMENT EFFICIENCIES:	SEE SCHEDULES

MECHANICAL LEGEND

- (T) XX.# — THERMOSTAT - EQUIPMENT SERVED; MOUNT 48" AFF
- (H) XX.# — HUMIDITISTAT - EQUIPMENT SERVED; MOUNT 48" AFF
- (E) — EMERGENCY STOP SWITCH; MOUNT 48" AFF
- BRANCH DUCT CONNECTION- PROVIDE VOLUME DAMPER IN S/A DUCT
- BRANCH DUCT; LIMIT FLEX RUN TO 6'-0" MAX
- MARK / CFM — REGISTER AND DIFFUSER MARK SEE SCHEDULE
- CEILING SUPPLY AIR DIFFUSER
- CEILING RETURN AIR REGISTER
- CEILING EXHAUST AIR REGISTER
- MANUAL VOLUME DAMPER
- (+) — POSITIVE ROOM PRESSURE
- (-) — NEGATIVE ROOM PRESSURE
- R — REFRIGERANT PIPING
- C — CONDENSATE DRAIN
- SUPPLY TRUNK DUCT
- RETURN TRUNK DUCT
- OUTSIDE AIR TRUNK DUCT
- EXHAUST TRUNK DUCT

ENERGY RECOVERY VENTILATOR SCHEDULE

DRAWING CODE	UNIT SERVED	DESIGN BASIS MANUFACTURER	MODEL	CONFIG.	SUPPLY FAN AIRFLOW (CFM)	SUPPLY FAN E.S.P. (IN. WG.)	SUPPLY FAN DRIVE	EXHAUST FAN AIRFLOW (CFM)	EXHAUST FAN E.S.P. (IN. WG.)	EXHAUST FAN DRIVE	ENTHALPY CORE-SUMMER OA EAT °Fdb/°Fwb	ENTHALPY CORE-SUMMER OA LAT °Fdb/°Fwb	ENTHALPY CORE-SUMMER EA EAT °Fdb/°Fwb	ENTHALPY CORE-SUMMER EA LAT °Fdb/°Fwb	ENTHALPY CORE-WINTER OA EAT °Fdb	ENTHALPY CORE-WINTER OA LAT °Fdb	ENTHALPY CORE-WINTER EA EAT °Fdb	ENTHALPY CORE-WINTER EA LAT °Fdb	VOLTAGE (V/PH/HZ)	MCA (AMPS)	MOCP (AMPS)	WEIGHT (LBS.)	NOTES	ACCESSORIES
ER01	AH01	ALDES	E650L-Fi	HORIZ.	300	0.25	DIRECT	300	0.40	DIRECT	92.0 / 74.0	78.1 / 67.6	75.0 / 65.5	88.9 / 72.2	18.0	60.7	70.0	27.4	120/1/60	4.5	15	136	1,2	A,B
ER02	AH02	ALDES	E650L-Fi	HORIZ.	540	0.25	DIRECT	540	0.40	DIRECT	92.0 / 74.0	78.8 / 68.0	75.0 / 65.5	88.2 / 71.9	18.0	58.5	70.0	29.5	120/1/60	4.5	15	136	1,2	A,B
ER03	AH03	ALDES	E650L-Fi	HORIZ.	230	0.25	DIRECT	230	0.40	DIRECT	92.0 / 74.0	78.0 /67.5	75.0 / 65.5	89.0 / 72.3	18.0	60.9	70.0	27.1	120/1/60	4.5	15	136	1,2	A,B
ER04	AH04	ALDES	E650L-Fi	HORIZ.	280	0.25	DIRECT	180	0.40	DIRECT	92.0 / 74.0	77.9 / 67.3	75.0 / 65.5	89.4 / 72.5	18.0	62.0	70.0	26.0	120/1/60	4.5	15	136	1,2	A,B
ER05	AH05	ALDES	E650L-Fi	HORIZ.	530	0.25	DIRECT	630	0.40	DIRECT	92.0 / 74.0	78.7 / 67.9	75.0 / 65.5	88.3 / 71.9	18.0	58.7	70.0	29.3	120/1/60	4.5	15	136	1,2	A,B
ER06	AH06	ALDES	E650L-Fi	HORIZ.	400	0.25	DIRECT	500	0.40	DIRECT	92.0 / 74.0	78.0 /67.5	75.0 / 65.5	89.0 / 72.3	18.0	60.9	70.0	27.1	120/1/60	4.5	15	136	1,2	A,B
ER07	AH07	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	500	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER08	AH08	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER09	AH09	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER10	AH10	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER11	AH11	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER12	AH12	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER13	AH13	ALDES	E650L-Fi	HORIZ.	540	0.25	DIRECT	540	0.40	DIRECT	92.0 / 74.0	78.8 / 68.0	75.0 / 65.5	88.2 / 71.9	18.0	58.5	70.0	29.5	120/1/60	4.5	15	136	1,2	A,B
ER14	AH14	ALDES	E650L-Fi	HORIZ.	610	0.25	DIRECT	610	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER15	AH15	ALDES	E650L-Fi	HORIZ.	570	0.25	DIRECT	570	0.40	DIRECT	92.0 / 74.0	78.9 / 68.0	75.0 / 65.5	88.1 / 71.8	18.0	58.2	70.0	29.8	120/1/60	4.5	15	136	1,2	A,B
ER16	AH16	ALDES	E650L-Fi	HORIZ.	540	0.25	DIRECT	540	0.40	DIRECT	92.0 / 74.0	78.8 / 68.0	75.0 / 65.5	88.2 / 71.9	18.0	58.5	70.0	29.5	120/1/60	4.5	15	136	1,2	A,B
ER17	AH17	ALDES	E650L-Fi	HORIZ.	440	0.25	DIRECT	440	0.40	DIRECT	92.0 / 74.0	78.8 / 68.0	75.0 / 65.5	88.2 / 71.9	18.0	58.3	70.0	29.7	120/1/60	4.5	15	136	1,2	A,B
ER18	AH18	ALDES	E650L-Fi	HORIZ.	540	0.25	DIRECT	540	0.40	DIRECT	92.0 / 74.0	78.8 / 68.0	75.0 / 65.5	88.2 / 71.9	18.0	58.5	70.0	29.5	120/1/60	4.5	15	136	1,2	A,B
ER19	AH19	ALDES	E650L-Fi	HORIZ.	560	0.25	DIRECT	560	0.40	DIRECT	92.0 / 74.0	78.9 / 68.0	75.0 / 65.5	88.1 / 71.8	18.0	58.2	70.0	29.8	120/1/60	4.5	15	136	1,2	A,B
ER20	AH20	ALDES	E650L-Fi	HORIZ.	480	0.25	DIRECT	480	0.40	DIRECT	92.0 / 74.0	78.4 / 67.8	75.0 / 65.5	88.6 / 73.1	18.0	59.5	70.0	28.5	120/1/60	4.5	15	136	1,2	A,B
ER21A	AH21	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER21B	AH21	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER22	NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ER23	AH23	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER24	AH24	ALDES	E650L-Fi	HORIZ.	600	0.25	DIRECT	600	0.40	DIRECT	92.0 / 74.0	78.1 / 68.1	75.0 / 65.5	87.9 / 71.7	18.0	57.5	70.0	30.5	120/1/60	4.5	15	136	1,2	A,B
ER25	AH25	ALDES	E650L-Fi	HORIZ.	500	0.25	DIRECT	500	0.40	DIRECT	92.0 / 74.0	78.4 / 67.8	75.0 / 65.5	88.6 / 73.1	18.0	59.5	70.0	28.5	120/1/60	4.5	15	136	1,2	A,B
ER26	AH26	ALDES	E650L-Fi	HORIZ.	540	0.25	DIRECT	540	0.40	DIRECT	92.0 / 74.0	78.8 / 68.0	75.0 / 65.5	88.2 / 71.9	18.0	58.5	70.0	29.5	120/1/60	4.5	15	136	1,2	A,B
ER27	AH27	ALDES	E650L-Fi	HORIZ.	540	0.25	DIRECT	540	0.40	DIRECT	92.0 / 74.0	78.8 / 68.0	75.0 / 65.5	88.2 / 71.9	18.0	58.5	70.0	29.5	120/1/60	4.5	15	136	1,2	A,B
ER28	AH28	ALDES	E650L-Fi	HORIZ.	630	0.25	DIRECT	630	0.40	DIRECT	92.0 / 74.0	79.2 / 68.2	75.0 / 65.5	87.8 / 71.7	18.0	57.0	70.0	31.0	120/1/60	4.5	15	136	1,2	A,B
ER29	AH29	ALDES	E650L-Fi	HORIZ.	630	0.25	DIRECT	630	0.40	DIRECT	92.0 / 74.0	79.2 / 68.2	75.0 / 65.5	87.8 / 71.7	18.0	57.0	70.0	31.0	120/1/60	4.5	15	136	1,2	A,B
ER30A	AH30	ALDES	E650L-Fi	HORIZ.	360	0.25	DIRECT	360	0.40	DIRECT	92.0 / 74.0	78.1 / 67.6	75.0 / 65.5	88.9 / 72.2	18.0	60.7	70.0	27.4	120/1/60	4.5	15	136	1,2	A,B
ER30B	AH30	ALDES	E650L-Fi	HORIZ.	470	0.25	DIRECT	470	0.40	DIRECT	92.0 / 74.0	78.1 / 67.6	75.0 / 65.5	88.9 / 72.2	18.0	60.7	70.0	27.4	120/1/60	4.5	15	136	1,2	A,B
ER31	AH31	ALDES	E650L-Fi	HORIZ.	650	0.25	DIRECT	650	0.40	DIRECT	92.0 / 74.0	79.2 / 68.2	75.0 / 65.5	87.8 / 71.7	18.0	57.2	70.0	30.8	120/1/60	4.5	15	136	1,2	A,B
ER32	AH32,AH33	ALDES	E650L-Fi	HORIZ.	520	0.25	DIRECT	520	0.40	DIRECT	92.0 / 74.0	78.8 / 68.0	75.0 / 65.5	88.2 / 71.9	18.0	58.5	70.0	29.5	120/1/60	4.5	15	136	1,2,3	A,B,C
ER33	NOT USED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ER34	AH34	ALDES	E650L-Fi	HORIZ.	250	0.25	DIRECT	250	0.40	DIRECT	92.0 / 74.0	78.0 /67.5	75.0 / 65.5	89.0 / 72.3	18.0	60.9	70.0	27.1	120/1/60	4.5	15	136		A,B,C

NOTES:
1. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
2. INTERLOCK ERV TO START/STOP IN TANDEM WITH ASSOCIATED AH FAN(S), INCLUDING EMERGENCY STOP ON SIGNAL FROM FIRE ALARM OR EMERGENCY STOP SWITCH.
3. AIR BALANCE: AH32 = 340 CFM OA, AH33 = 280CFM OA

ACCESSORIES:
A. 2" MERV 11 FILTER RACK ON EXHAUST AND SUPPLY.
B. SINGLE POINT POWER SUPPLY WITH INDIVIDUAL SPEED CONTROL ON EXHAUST AND SUPPLY FANS.
C. ROOM OCCUPANCY SENSOR INTERLOCKED TO SHUTDOWN ERV IF ROOM IS UNOCCUPIED.

PACKAGED DEHUMIDIFIER SCHEDULE

DRAWING CODE	LOCATION	BASIS OF DESIGN MANUF.	BASIS OF DESIGN MODEL	DEHUMID. CAPACITY @ 80°F/60%RH (PINTS/DAY)	INDOOR SECTION FAN SA (CFM)	FAN OA (CFM)	FAN ESP (IN H2O)	ELECTRICAL VOLTAGE (V/PH/HZ)	ELECTRICAL MCA (A)	ELECTRICAL MOCP (A)	WEIGHT (LBS)	NOTES	ACCESSORIES
D1	EXAM / ISOL	SANTE FE	4033600	70	150	0	-	120/1/60	6.4	15	65	1,2,3,4	A,B,C

NOTES:
1 REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
2 6' CORD PLUGS INTO DEDICATED DUPLEX OUTLET.
3 DUCTED CONNECTIONS. SEE PLANS.
4 DE-ENERGIZE FANS UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR EMERGENCY STOP SWITCH.

ACCESSORIES
A DUCT ADAPTOR
B MATCHING DEH3000 WALL MOUNT HUMIDITY CONTROL
C MERV 13 FILTER

ROOF VENTILATOR SCHEDULE

DRAWING CODE	LOCATION	DESIGN BASIS MANUFACTURER	MODEL - SIZE	SERVICE	AIRFLOW MAX CFM	E.S.P. @ MAX (IN. WG.)	NOTES	ACCESSORIES
RV0I	ROOF	GREENHECK	FGI - 18 X 18	INTAKE	1840	0.09	1,2,3	A,B,C
RV0X	ROOF	GREENHECK	FGR - 18 X 18	EXHAUST	1800	0.1	1,2,3	A,B,C

NOTES:
1. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
2. FINISH AND COLOR SELECTED BY ARCHITECT.
3. NOA RATED, FLORIDA APPROVED ENHANCED HURRICANE PROTECTION: TAS 201, TAS 202 AND TAS 203.

ACCESSORIES:
A. GALVANIZED BIRD SCREEN, SLOPING ROOF CURB WITH BOTTOM OF INTAKE 18" ABOVE ROOF.
B. TIE DOWN POINTS
C. PROVIDE ENGINEER SEALED HVHZ INSTALLATION/FASTENING INSTRUCTIONS.

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NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER BENSON

09/25/2026

09-29-2026 BID

PRUITTHEALTH
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100 BED FACILITY
MECHANICAL SUMMARY, SCHEDULES, LEGEND, NOTES

M0.1

DEDICATED OUTDOOR AIR SYSTEM SCHEDULE

DRAWING CODE	DESIGN BASIS MFR	MODEL	SYSTEM TYPE	SA/OA FAN			DX COOLING (93F/78Fwb EAT)				HOT GAS REHEAT		GAS HEATING				ELECTRICAL				NOTES	ACCESSORIES
				SA (CFM)	OA (CFM)	ESP (IN H2O)	SA LAT °F/°Fwb	TOTAL (MBH)	SENS (MBH)	EFFICIENCY	SA LAT °F/°Fwb	REHEAT (MBH)	SA LAT °F	INPUT (MBH)	OUTPUT (MBH)	EFFICIENCY (%)	VOLTAGE (V/PH/HZ)	MCA (AMPS)	MOCP (AMPS)	WEIGHT (LBS)		
DOAS01	CAPTIVEAIRE	CASRTU4-I.500-20-30T	AIR CONDITIONER	4875	4875	0.50	49.5/49.5	382.7	224.9	IEER 17.8	70.0/61.0	260.0	78.0	419.6	339.8	81.0%	208/3/60	147.5	150	4684	1,2,3	A,B,C,D,E,F,G,H,

NOTES:
1. REFER TO SPECIFICATIONS AND KITCHEN HOOD DETAILS SHEETS M0.5-M0.8 FOR ADDITIONAL DETAILS.
2. ROOFTOP DOWNFLOW
3. FACTORY STARTUP AND COMMISSIONING.

ACCESSORIES:
A. INSULATED FLOOR AND DRAIN PAN.
B. OA DAMPER WITH MOTORIZED ACTUATOR.
C. SUPPLY FAN VFD.
D. VARIABLE SPEED COMPRESSOR(S).
E. SINGLE POINT ELECTRICAL CONNECTION.
F. FILTERS: 2" MERV 8.
G MODULATING GAS HEAT.
H. CASLINK CONTROLS- SPACE TEMPERATURE SEQUENCE, KITCHEN HOOD MAKE-UP AIR INTERLOCK,BACNET COMPATIBLE, CLOUD BASED MONITORING.
I. MATCHING SLOPING ROOF CURB w/ WIND/SEISMIC DESIGN AND FASTENING AS APPLICABLE TO LOCAL JURISDICTION.

SPLIT SYSTEM SCHEDULE

DRAWING CODE (IDU/ODU)	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL (IDU/ODU)	SYSTEM TYPE	COOLING PERFORMANCE						HEATING PERFORMANCE - HEAT PUMP				INDOOR UNIT- SEE NOTE 6				ELECTRICAL						REFRIGERANT PIPING				WEIGHT (LBS.)		NOTES	ACCESSORIES
				NET TOTAL (MBH)	NET SENSIBLE (MBH)	AMBIENT (°F)	EDB (°F)	EWB (°F)	EFFICIENCY (AHRI)	TOTAL (MBH)	AMBIENT (°F)	EDB (°F)	EFFICIENCY	SUPPLY AIR FLOW (CFM)	OUTSIDE AIR FLOW (CFM)	ESP (IN. WG.)	AUX HEAT CAP (KW)	INDOOR UNIT (V/PH/HZ)	INDOOR UNIT (MCA)	INDOOR UNIT (MOCP)	OUTDOOR UNIT (V/PH/HZ)	OUTDOOR UNIT (MCA)	OUTDOOR UNIT (MOCP)	TYPE	TOTAL CHARGE(LB.)	MIN. OCC.(CF)	DESIGN OCC.(CF)	MAXIMUM LENGTH (FT.)	MAXIMUM HEIGHT DIFFERENTIAL (FT.)	INDOOR UNIT	OUTDOOR UNIT		
AH01/HP01	TRANE	5TEM4B02AC21/5TWR4018A1	HEAT PUMP	18.5	13.6	95.0	80.0	67.0	SEER2 14.3	11.8	17.0	70.0	COP @ 47 °F	4.0	600	SEE NOTE 4	0.50	3.6	208/1/60	25.0	25	208/1/60	12.0	20	R-454B	6.5	4,185	6,588	70	30	110	174	1,2	A,B,C,D,E
AH02/HP02	TRANE	5TEM4B02AC21/5TWR4018A1	HEAT PUMP	18.5	13.6	95.0	80.0	67.0	SEER2 14.3	11.8	17.0	70.0	COP @ 47 °F	4.0	600	SEE NOTE 4	0.50	3.6	208/1/60	25.0	25	208/1/60	12.0	20	R-454B	6.5	4,185	6,588	70	30	110	174	1,2	A,B,C,D,E
AH03/HP03	TRANE	5TEM4D04AC31/5TWA4036A3	HEAT PUMP	33.8	24.6	95.0	80.0	67.0	SEER2 14.3	21.2	17.0	70.0	COP @ 47 °F	4.1	1,200	SEE NOTE 4	0.50	7.2	208/3/60	29.0	30	208/3/60	16.6	25	R-454B	7.3	4,702	15,129	70	30	138	222	1,2	A,B,C,D,E
AH04/HP04	TRANE	5TEM4D04AC31/5TWA4036A3	HEAT PUMP	33.8	24.6	95.0	80.0	67.0	SEER2 14.3	21.2	17.0	70.0	COP @ 47 °F	4.1	1,200	SEE NOTE 4	0.50	7.2	208/3/60	29.0	30	208/3/60	16.6	25	R-454B	7.3	4,702	13,338	70	30	138	222	1,2	A,B,C,D,E
AH05/HP05	TRANE	5TEM6D07AV51/5TWA4060A3	HEAT PUMP	57.0	42.4	95.0	80.0	67.0	SEER2 14.3	34.8	17.0	70.0	COP @ 47 °F	4.0	1,900	SEE NOTE 4	0.50	10.8	208/3/60	45.0	45	208/3/60	22.8	35	R-454B	10.1	6,508	15,678	70	30	174	251	1,2	A,B,C,D,E
AH06/HP06	TRANE	5TEM4D07AC51/5TWA4048A3	HEAT PUMP	47.0	34.1	95.0	80.0	67.0	SEER2 14.3	28.6	17.0	70.0	COP @ 47 °F	4.3	1,500	SEE NOTE 4	0.50	9.6	208/3/60	32.0	35	208/3/60	18.1	30	R-454B	10.3	6,637	13,581	70	30	174	251	1,2	A,B,C,D,E
AH07/HP07	TRANE	5TEM4D04AC31/5TWA4036A3	HEAT PUMP	33.8	24.6	95.0	80.0	67.0	SEER2 14.3	21.2	17.0	70.0	COP @ 47 °F	4.1	1,200	SEE NOTE 4	0.50	7.2	208/3/60	29.0	30	208/3/60	16.6	25	R-454B	7.3	4,702	25,416	70	30	138	222	1,2	A,B,C,D,E
AH08/HP08	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	24,075	70	30	138	174	1,2	A,B,C,D,E
AH09/HP09	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	24,678	70	30	138	174	1,2	A,B,C,D,E
AH10/HP10	TRANE	5TEM4D06AC41/5TWA4042A3	HEAT PUMP	41.2	30.6	95.0	80.0	67.0	SEER2 14.3	24.4	17.0	70.0	COP @ 47 °F	4.2	1,200	SEE NOTE 4	0.50	7.2	208/3/60	32.0	35	208/3/60	18.1	30	R-454B	9.6	6,185	16,200	70	30	144	251	1,2	A,B,C,D,E
AH11/HP11	TRANE	5TEM4D04AC31/5TWA4036A3	HEAT PUMP	33.8	24.6	95.0	80.0	67.0	SEER2 14.3	21.2	17.0	70.0	COP @ 47 °F	4.1	1,200	SEE NOTE 4	0.50	7.2	208/3/60	29.0	30	208/3/60	16.6	25	R-454B	7.3	4,702	22,374	70	30	138	222	1,2	A,B,C,D,E
AH12/HP12	TRANE	5TEM4D06AC41/5TWA4042A3	HEAT PUMP	41.2	30.6	95.0	80.0	67.0	SEER2 14.3	24.4	17.0	70.0	COP @ 47 °F	4.2	1,200	SEE NOTE 4	0.50	7.2	208/3/60	32.0	35	208/3/60	18.1	30	R-454B	9.6	6,185	21,177	70	30	144	251	1,2	A,B,C,D,E
AH13/HP13	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	15,975	70	30	138	174	1,2	A,B,C,D,E
AH14/HP14	TRANE	5TEM4B02AC21/5TWR4024A1	HEAT PUMP	23.1	17.1	95.0	80.0	67.0	SEER2 14.3	14.6	17.0	70.0	COP @ 47 °F	4.0	800	SEE NOTE 4	0.50	3.6	208/1/60	25.0	25	208/1/60	13.0	20	R-454B	6.5	4,185	16,326	70	30	110	174	1,2	A,B,C,D,E
AH15/HP15	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	19,467	70	30	138	174	1,2	A,B,C,D,E
AH16/HP16	TRANE	5TEM4D06AC41/5TWA4042A3	HEAT PUMP	41.2	30.6	95.0	80.0	67.0	SEER2 14.3	24.4	17.0	70.0	COP @ 47 °F	4.2	1,400	SEE NOTE 4	0.50	7.2	208/3/60	32.0	35	208/3/60	18.1	30	R-454B	5.6	3,613	28,251	70	30	144	251	1,2	A,B,C,D,E
AH17/HP17	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	14,607	70	30	138	174	1,2	A,B,C,D,E
AH18/HP18	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	19,359	70	30	138	174	1,2	A,B,C,D,E
AH19/HP19	TRANE	5TEM4B02AC21/5TWR4024A1	HEAT PUMP	23.1	17.1	95.0	80.0	67.0	SEER2 14.3	14.6	17.0	70.0	COP @ 47 °F	4.0	800	SEE NOTE 4	0.50	3.6	208/1/60	25.0	25	208/1/60	13.0	20	R-454B	6.5	4,185	17,523	70	30	110	174	1,2	A,B,C,D,E
AH20/HP20	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	21,042	70	30	138	174	1,2	A,B,C,D,E
AH21/HP21	TRANE	5TEM4D06AC41/5TWA4042A3	HEAT PUMP	41.2	30.6	95.0	80.0	67.0	SEER2 14.3	24.4	17.0	70.0	COP @ 47 °F	4.2	1,400	SEE NOTE 4	0.50	7.2	208/3/60	32.0	35	208/3/60	18.1	30	R-454B	9.6	6,185	6,210	70	30	144	251	1,2	A,B,C,D,E
AH22/HP22	TRANE	5TEM4B02AC21/5TWR4024A1	HEAT PUMP	23.1	17.1	95.0	80.0	67.0	SEER2 14.3	14.6	17.0	70.0	COP @ 47 °F	4.0	800	SEE NOTE 4	0.50	3.6	208/1/60	25.0	25	208/1/60	13.0	20	R-454B	6.5	4,185	11,052	70	30	110	174	1,2	A,B,C,D,E
AH23/HP23	TRANE	5TEM4D04AC31/5TWA4036A3	HEAT PUMP	33.8	24.6	95.0	80.0	67.0	SEER2 14.3	21.2	17.0	70.0	COP @ 47 °F	4.1	1,200	SEE NOTE 4	0.50	7.2	208/3/60	29.0	30	208/3/60	16.6	25	R-454B	7.3	4,702	21,141	70	30	138	222	1,2	A,B,C,D,E
AH24/HP24	TRANE	5TEM6D07AV51/5TWA4060A3	HEAT PUMP	57.0	42.4	95.0	80.0	67.0	SEER2 14.3	34.8	17.0	70.0	COP @ 47 °F	4.0	1,900	SEE NOTE 4	0.50	10.8	208/3/60	45.0	45	208/3/60	22.8	35	R-454B	10.1	6,508	33,381	70	30	174	251	1,2	A,B,C,D,E
AH25/HP25	TRANE	5TEM4D04AC31/5TWA4036A3	HEAT PUMP	33.8	24.6	95.0	80.0	67.0	SEER2 14.3	21.2	17.0	70.0	COP @ 47 °F	4.1	1,200	SEE NOTE 4	0.50	7.2	208/3/60	29.0	30	208/3/60	16.6	25	R-454B	7.3	4,702	10,350	70	30	138	222	1,2	A,B,C,D,E
AH26/HP26	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	14,553	70	30	138	174	1,2	A,B,C,D,E
AH27/HP27	TRANE	5TEM4D04AC3/5TWR4030A1	HEAT PUMP	27.2	20.6	95.0	80.0	67.0	SEER2 14.3	17.1	17.0	70.0	COP @ 47 °F	4.1	1,000	SEE NOTE 4	0.50	5.8	208/1/60	39.0	40	208/1/60	16.0	25	R-454B	6.5	4,185	22,356	70	30	138	174	1,2	A,B,C,D,E
AH28/HP28	TRANE	5TEM4D04AC31/5TWA4036A3	HEAT PUMP	33.8	24.6	95.0	80.0	67.0	SEER2 14.3	21.2	17.0	70.0	COP @ 47 °F	4.1	1,200	SEE NOTE 4	0.50	7.2	208/3/60	29.0	30	208/3/60	16.6	25	R-454B	7.3	4,702	25,331	70	30	138	222	1,2	A,B,C,D,E
AH29/HP29	TRANE	5TEM4D04AC31/5TWA4036A3	HEAT PUMP	33.8	24.6	95.0	80.0	67.0	SEER2 14.3	21.2	17.0	70.0	COP @ 47 °F	4.1	1,200	SEE NOTE 4	0.50	7.2	208/3/60	29.0	30	208/3/60	16.6	25	R-454B	7.3	4,702	22,203	70	30	138	222	1,2	A,B,C,D,E
AH30/HP30	TRANE	5TEM4D06AC41/5TWA4042A3	HEAT PUMP	41.2	30.6	95.0	80.0	67.0	SEER2 14.3	24.4	17.0	70.0	COP @ 47 °F	4.2	1,400	SEE NOTE 4	0.50	7.2	208/3/60	32.0	35	208/3/60	18.1	30	R-454B	9.6	6,185	33,084	70	30	144	251	1,2	A,B,C,D,E
AH31/HP31	TRANE	5TEM4D06AC41/5TWA4042A3	HEAT PUMP	41.2	30.6	95.0	80.0	67.0	SEER2 14.3	24.4	17.0	70.0	COP @ 47 °F	4.2	1,200	SEE NOTE 4	0.50	7.2	208/3/60	32.0	35	208/3/60	18.1	30	R-454B	9.6	6,185	9,891	70	30	144	251	1,2	A,B,C,D,E
AH32/HP32	TRANE	5TEM4B02AC21/5TWR4018A1	HEAT PUMP	18.5	13.6	95.0	80.0	67.0	SEER2 14.3	11.8	17.0	70.0	COP @ 47 °F	4.0	600	SEE NOTE 4	0.50	3.6	208/1/60	25.0	25	208/1/60	12.0	20	R-454B	6.5	4,185	4,797	70	30	110	174	1,2	A,B,C,D,E
AH33/HP33	TRANE	5TEM4D06AC41/5TWA4042A3	HEAT PUMP	41.2	30.6	95.0	80.0	67.0	SEER2 14.3	24.4	17.0	70.0	COP @ 47 °F	4.2	1,400	SEE NOTE 4	0.50	7.2	208/3/60	32.0	35	208/3/60	18.1	30	R-454B	9.6	6,185	14,031	70	30	144	251	1,2	A,B,C,D,E
AH34/HP34	TRANE	5TEM4B02AC21/5TWR4018A1	HEAT PUMP	18.5	13.6	95.0	80.0	67.0	SEER2 14.3	11.8	17.0	70.0	COP @ 47 °F	4.0	600	SEE NOTE 4	0.50	3.6	208/1/60	25.0	25	208/1/60	12.0	20	R-454B	6.5	4,185	6,165	70	30	110	174	1,2	A,B,C,D,E

NOTES:
1. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
2. IF AN ALTERNATE MANUFACTURER'S EQUIPMENT IS SELECTED, MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE EQUIPMENT WILL FIT AND ELECTRICAL/CONTROLS REQUIREMENTS MATCH PROPOSED EQUIPMENT.
3. DE-ENERGIZE FANS UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR EMERGENCY STOP SWITCH.
4. REFER TO ERV SCHEDULE
5. MIN.OCC. (CF) FOR R-454B BASED ON ONE-HALF OF 3.1 LB/1000CF FOR INSTITUTIONAL OCCUPANCY.
6. INDOOR UNIT CFM BASED ON NOMINAL AIRFLOW. BALANCE ACTUAL AIRFLOW PER PLANS.

ACCESSORIES:
A ELECTRIC HEATER AS SCHEDULED
B SINGLE POINT POWER CONNECTION
C MATCHING AUTO CHANGEOVER HEAT-COOL PROGRAMMABLE THERMOSTAT with AUX HEAT LOCKOUT ON OA TEMP
D GPS -FC24-AC NEEDLEPOINT IONIZATION SYSTEM IN SUPPLY DUCT. INCLUDE 24V POWER SUPPLY AS REQUIRED.
E CONCRETE MOUNTING PAD FOR OUTDOOR UNIT

1

DIFFUSERS, REGISTERS AND GRILLES SCHEDULE

DRAWING CODE	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	TYPE	SERVICE	AIRFLOW RANGE (CFM)									MATERIAL	FINISH	MOUNTING	NOTES	ACCESSORIES
					NECK SIZE (W x D) (IN.)													
					BRANCH CONN. SIZE (Ø or W x D) (IN.)													
S1	PRICE	SMD	LOUVER DIFFUSER, 4-WAY	SUPPLY	0 - 100	101 - 230	231 - 350	351 - 450						STEEL	WHITE	SURFACE MOUNTED	1,2,3,4	A
					6 x 6	9 x 9	12 x 12	15 x 15										
					6	8	10	12										
S2	PRICE	520	PERFORATED DIFFUSER	SUPPLY	200									STEEL	WHITE	WALL SURFACE	1	-
					19 x 6													
					-													
R1	PRICE	530	GRILLE, 45° DEFLECTION	RETURN	0 - 70	71 - 100	101 - 200	201 - 375	376 - 500	501 - 600	601 - 850	851 - 1000	1001 - 1600	STEEL	WHITE	SURFACE MOUNTED	1,2	A
					8 x 8	8 x 8	14 x 14	14 x 14	14 x 14	18 x 18	18 x 18	20 x 20	36 x 18					
					6	8	8	10	12	12	14	16	18					
R2	NOT USED																	
E1	PRICE	530	GRILLE, 45° DEFLECTION	EXHAUST	0 - 100	101 - 200	201 - 350	351 - 500	501 - 600	601 - 850	851 - 1300			STEEL	WHITE	SURFACE MOUNTED	1,2	A
					8 x 8	14 x 14	14 x 14	14 x 14	18 x 18	18 x 18	28 x 20							
					6	8	10	12	12	14	16							
E2	PRICE	530	GRILLE, 45° DEFLECTION	EXHAUST	0 - 100									STEEL	WHITE	DUCT SURFACE MOUNTED	1,2	A
					6 x 6													
					6 x 6													

NOTES:
1 REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
2 PROVIDE BALANCING DAMPER IN BRANCH DUCT.
3 DUCT BRANCH CONNECTION SIZE TO BE EQUAL TO THE BRANCH CONNECTIONS SIZE STATED IN SCHEDULE UNLESS NOTED OTHERWISE ON PLANS.
4 4Ø MAY BE USED WHERE INDICATED ON PLANS.

ACCESSORIES:
A LISTED CEILING RADIATION DAMPER

FAN SCHEDULE

DRAWING CODE	SERVES	DESIGN BASIS MANUFACTURER	MODEL	FAN TYPE	SERVICE	AIRFLOW (CFM)	E.S.P. (IN. WG.)	SONES (AMCA)	DRIVE	VOLTAGE (V/PH/HZ)	MOTOR (HP)	WEIGHT (LBS)	NOTES	ACCESSORIES
EF01	52 OXYGEN STG	GREENHECK	CUE-060-G	ROOF CENTRIFUGAL	EXHAUST	100	0.25	-	DIRECT	120/1/60	1/60	22	1,4	A,B
KEF01	51 KITCHEN	CAPTIVEAIRE	DU180HFA	ROOF CENTRIFUGAL	HOOD EXHAUST	2000	1.50	14.3	BELT	208/3/60	1.50	166	1,2,3	A,C
KEF02	51 KITCHEN	CAPTIVEAIRE	DU180HFA	ROOF CENTRIFUGAL	HOOD EXHAUST	2000	1.50	14.3	BELT	208/3/60	1.50	166	1,2,3	A,C
KEF03	51 DISHWASH	CAPTIVEAIRE	DU50HFA	ROOF CENTRIFUGAL	DISHWASHER EXHAUST	875	0.50	8.8	BELT	208/1/60	0.50	71	1,2,3	A,C

NOTES:
1. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
2. KITCHEN HOODS, FANS AND CONTROLS PROVIDED AND INSTALLED COMPLETE BY MECHANICAL CONTRACTOR. SEE SHEETS M0.5-M0.8 FOR ADDITIONAL DETAILS.
3. COORDINATE AND PROVIDE POWER AND CONTROL INTERLOCK WIRING TO ACHIEVE SEQUENCE INDICATED.
4. WIRE FOR CONTINUOUS OPERATION.

ACCESSORIES:
A. MATCHING SLOPING ROOF CURB, FAN/CURB ASSEMBLY. COLOR AND FINISH SELECTED BY ARCHITECT.
B. MATCHING UNIT MOUNTED SPEED CONTROLLER.
C. WIND/SEISMIC DESIGN AND FASTENING AS APPLICABLE TO LOCAL JURISDICTION.

THROUGH-WALL HEAT PUMP SCHEDULE

DRAWING CODE	LOCATION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ARI COOLING 80/67/95		ARI HEATING 70/45		INDOOR FAN SECTION		ELECTRICAL			WEIGHT (LBS)	NOTES	ACCESSORIES
				TOTAL (MBH)	MIN CEER	TOTAL (MBH)	MIN COP	SA (CFM)	OA (CFM)	VOLTAGE (V/PH/HZ)	MCA (AMPS)	MOCP (AMPS)			
TW1	MAINTENANCE OFFICE	OLIMPIA SPLENDID	MAESTRO 9 #01721	9.2	9.3	8.5	3.3	288	-	120/1/60	12.0	15.0	90	1	A,B,C

NOTES:
1. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.

ACCESSORIES:
A. (2) MATCHING 8Ø WALL LOUVERS AND THROUGH WALL CONDENSER DUCTS.
B. MATCHING WALL MOUNT TEMPERATURE CONTROLLER.
C. CORD/PLUG SET

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NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER JAMES BENSON

09/25/2026

09-29-2026 BID

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Winston-Salem, North Carolina

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3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY
MECHANICAL SCHEDULES

M0.2

VRF INDOOR UNIT SCHEDULE

SYSTEM TAG	ROOM NAME	DRAWING TAG	DESIGN BASIS MODEL (TRANE/MITSUBISHI)	TYPE	NOMINAL COOLING (BTUH)	NOMINAL HEATING (BTUH)	COOLING DESIGN EAT (°F DB/WB)	HEATING DESIGN EAT (°F DB)	TOTAL COOLING (BTUH)	SENSIBLE COOLING (BTUH)	TOTAL HEATING (BTUH)	REFRIGERANT TYPE	REFRIGERANT TOTAL CHARGE (LB.)	REFRIGERANT MIN. OCC. (CF)	REFRIGERANT DESIGN OCC. (CF)	PEAK FAN AIR FLOW (CFM)	MAX FAN ESP (IN WG)	ELECTRICAL VOLTAGE	ELECTRICAL MCA/ MOCP	NOTES
DHP1	PVT 817	DAH1-01	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.63	1096	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 818	DAH1-02	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.53	1054	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 816	DAH1-03	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.53	1054	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 814	DAH1-04	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.63	1096	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 813	DAH1-05	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.91	1213	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 815	DAH1-06	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.81	1171	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 812	DAH1-07	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.81	1171	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 810	DAH1-08	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.91	1213	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 811	DAH1-09	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.53	1054	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 811	DAH1-10	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.63	1096	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 808	DAH1-11	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.53	1054	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 806	DAH1-12	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.53	1054	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 804	DAH1-13	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.53	1054	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	PVT 802	DAH1-14	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,693.3	R32	2.53	1054	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP1	ATTIC	DAH1-15	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	11,471.7	R32	2.74	1142	34,830	371	0.6	208/1/60	1.9/15	1,2,3,4,5,6
DHP2	PVT 807	DAH2-01	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	3.38	1408	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 805	DAH2-02	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	3.29	1371	52,245	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 803	DAH2-03	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	3.00	1250	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 801	DAH2-04	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.91	1213	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 602	DAH2-05	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.91	1213	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 604	DAH2-06	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.81	1171	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 601	DAH2-07	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.63	1096	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 603	DAH2-08	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.81	1171	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 606	DAH2-09	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.91	1213	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 608	DAH2-10	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.81	1171	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT 605	DAH2-11	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.81	1171	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	PVT607	DAH2-12	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,659.1	R32	2.72	1133	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP2	ATTIC	DAH2-13	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	11,402.6	R32	4.07	1696	71,706	371	0.6	208/1/60	1.9/15	1,2,3,4,5,6
DHP2	ATTIC	DAH2-14	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	11,402.6	R32	3.40	1417	45,690	371	0.6	208/1/60	1.9/15	1,2,3,4,5,6
DHP3	PVT 504	DAH3-03	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.81	1171	33,849	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP3	PVT 506	DAH3-04	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.81	1171	33,849	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP3	PVT 503	DAH3-05	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.91	1213	33,849	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP3	PVT 505	DAH3-06	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.72	1133	33,849	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP3	PVT 601	DAH3-07	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.44	1017	33,849	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP3	PVT 603	DAH3-08	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.63	1096	33,849	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP3	PVT 508	DAH3-09	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.63	1096	33,849	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP3	PVT 510	DAH3-10	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.53	1054	33,849	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP3	ATTIC	DAH3-11	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	11,828.8	R32	3.31	1379	22,566	371	0.6	208/1/60	0.25/15	1,2,3,4,5,6
DHP3	ATTIC	DAH3-12	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	11,828.8	R32	3.59	1496	22,566	371	0.6	208/1/60	0.25/15	1,2,3,4,5,6
DHP3	IT 35	DAH3-13	TPKFYP008LM1M0A	Wall -Mounted	8,000	9,000	75.0/62.5	70	7,179.9	6,021.2	7,885.8	R32	3.02	1258	68,535	237		208/1/60	1.9/15	1,2,3,4,5,6
DHP3	PVT502	DAH3-01	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.81	1171	68,535	225		208/1/60	1.9/15	1,2,3,4,5,6
DHP3	PVT 501	DAH3-02	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,870.6	R32	2.91	1213	68,535	225		208/1/60	0.24/15	1,2,3,4,5,6
DHP4	PVT 302	DAH4-01	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	3.10	1292	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 304	DAH4-02	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	3.19	1329	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 301	DAH4-03	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	3.00	1250	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 303	DAH4-04	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.63	1096	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 306	DAH4-05	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.63	1096	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 308	DAH4-06	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.44	1017	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 305	DAH4-07	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.72	1133	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 307	DAH4-08	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.63	1096	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	ATTIC	DAH4-09	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,746.2	8,137.1	11,034.5	R32	3.88	1617	45,690	371	0.6	208/1/60	1.9/15	1,2,3,4,5,6
DHP4	ATTIC	DAH4-14	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,746.2	8,137.1	11,034.5	R32	2.93	1221	87,114	371	0.6	208/1/60	0.25/15	1,2,3,4,5,6
DHP4	IT 29	DAH4-15	TPKFYP008LM1M0A	Wall -Mounted	8,000	9,000	75.0/62.5	70	7,164.1	6,014.4	7,356.3	R32	3.12	1300	130,671	237		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 202	DAH4-10	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.44	1017	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 201	DAH4-11	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.44	1017	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 203	DAH4-12	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.63	1096	130,671	225		208/1/60	1.9/15	1,2,3,4,5,6
DHP4	PVT 204	DAH4-13	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.53	1054	130,671	225		208/1/60	0.24/15	1,2,3,4,5,6
DHP4	ATTIC	DAH4-20	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,746.2	8,137.1	11,034.5	R32	2.93	1221	87,114	371	0.6	208/1/60	0.24/15	1,2,3,4,5,6
DHP4	PVT 206	DAH4-16	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.81	1171	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 205	DAH4-17	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.81	1171	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 207	DAH4-18	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.81	1171	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP4	PVT 208	DAH4-19	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,373.1	4,181.1	5,476.4	R32	2.81	1171	130,671	225		208/1/60	1.9/15	1,2,3,4,5,6
DHP5	PVT 403	DAH5-05	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.81	1171	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 407	DAH5-06	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.63	1096	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 406	DAH5-07	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.91	1213	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 408	DAH5-08	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.81	1171	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 409	DAH5-09	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.53	1054	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 411	DAH5-10	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.44	1017	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 413	DAH5-11	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	3.10	1292	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 414	DAH5-12	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	3.00	1250	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 410	DAH5-13	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	3.19	1329	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 412	DAH5-14	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	3.00	1250	38,583	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	ATTIC	DAH5-15	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	12,578.2	R32	3.59	1496	25,722	371	0.6	208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 405	DAH5-01	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.44	1017	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 403	DAH5-02	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.34	975	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 402	DAH5-03	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.63	1096	68,535	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP5	PVT 404	DAH5-04	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.5	R32	2.44	1017	68,535	225		208/1/60	1.9/15	1,2,3,4,5,6

NOTES:

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80°F DB/67°F WB, OUTDOOR OF 95°F DB.
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F DB, OUTDOOR OF 43°F WB.
3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES.
4. SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES.
5. RECIRCULATING ROOM UNIT TO INCLUDE MANUFACTURER RECOMMENDED FILTER PER ASHRAE 170 9.1a5.
6. MIN.OCC. (CF) FOR R-32 BASED ON ONE-HALF OF 4.8 LB/1000CF FOR INSTITUTIONAL OCCUPANCY.

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VRF INDOOR UNIT SCHEDULE

SYSTEM TAG	ROOM NAME	DRAWING TAG	DESIGN BASIS MODEL (TRANE/MITSUBISHI)	TYPE	NOMINAL COOLING (BTUH)	NOMINAL HEATING (BTUH)	COOLING DESIGN EAT (°F DB/WB)	HEATING DESIGN EAT (°F DB)	TOTAL COOLING (BTUH)	SENSIBLE COOLING (BTUH)	TOTAL HEATING (BTUH)	REFRIGERANT TYPE	REFRIGERANT TOTAL CHARGE (LB.)	REFRIGERANT MIN. OCC. (CF)	REFRIGERANT DESIGN OCC. (CF)	PEAK FAN AIR FLOW (CFM)	MAX FAN ESP (IN WG)	ELECTRICAL VOLTAGE	ELECTRICAL MCA/ MOCP	NOTES
DHP6	PVT 102	DAH6-01	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.91	1213	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 104	DAH6-02	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.63	1096	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 101	DAH6-03	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.91	1213	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 103	DAH6-04	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.63	1096	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT105	DAH6-05	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.44	1017	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 106	DAH6-07	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.63	1096	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	ATTIC	DAH6-14	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	11,507.7	R32	3.50	1458	87,114	371	0.6	208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 107	DAH6-06	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.44	1017	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 108	DAH6-08	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.44	1017	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 109	DAH6-09	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.63	1096	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 111	DAH6-10	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.72	1133	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 110	DAH6-11	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.72	1133	130,671	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP6	PVT 112	DAH6-12	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	5,711.2	R32	2.81	1171	130,671	225		208/1/60	1.9/15	1,2,3,4,5,6
DHP6	ATTIC	DAH6-13	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	11,507.7	R32	3.59	1496	87,114	371	0.6	208/1/60	1.9/15	1,2,3,4,5,6
DHP7	PVT 708	DAH7-10	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	3.10	1292	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 706	DAH7-11	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	3.00	1250	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 711	DAH7-12	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	3.00	1250	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 709	DAH7-13	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	3.10	1292	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 707	DAH7-15	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.53	1054	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 705	DAH7-16	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.63	1096	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 704	DAH7-17	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.53	1054	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 702	DAH7-18	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.72	1133	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 703	DAH7-19	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.63	1096	107,559	225		208/1/60	1.9/15	1,2,3,4,5,6
DHP7	PVT 701	DAH7-20	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.72	1133	107,559	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	ATTIC	DAH7-21	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,573.5	8,059.9	10,181.4	R32	3.97	1654	69,546	371	0.6	208/1/60	0.25/15	1,2,3,4,5,6
DHP7	IT 29	DAH7-22	TPKFYP008LM1M0A	Wall -Mounted	8,000	9,000	75.0/62.5	70	7,049.0	5,965.5	6,787.6	R32	3.50	1458	107,559	237		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 714	DAH7-05	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.53	1054	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 713	DAH7-06	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.63	1096	183,213	225		208/1/60	1.9/15	1,2,3,4,5,6
DHP7	PVT 712	DAH7-07	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.44	1017	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 710	DAH7-08	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.63	1096	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	ATTIC	DAH7-09	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,573.5	8,059.9	10,181.4	R32	2.93	1221	122,142	371	0.6	208/1/60	0.25/15	1,2,3,4,5,6
DHP7	ATTIC	DAH7-14	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,573.5	8,059.9	10,181.4	R32	3.59	1496	122,142	371	0.6	208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 718	DAH7-01	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.72	1133	183,213	225		208/1/60	1.9/15	1,2,3,4,5,6
DHP7	PVT 717	DAH7-02	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.81	1171	183,213	225		208/1/60	0.24/15	1,2,3,4,5,6
DHP7	PVT 716	DAH7-03	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.44	1017	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP7	PVT 715	DAH7-04	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,286.7	4,143.1	5,053.0	R32	2.63	1096	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP8	PVT 116	DAH8-01	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.8	R32	3.38	1408	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP8	PVT 117	DAH8-02	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.8	R32	3.57	1488	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP8	PVT 114	DAH8-03	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.8	R32	3.57	1488	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP8	PVT 114	DAH8-04	TPMFYP006CM1M0A	Ceiling Cassette (One-Way)	6,000	6,700	75.0/62.5	70	5,384.9	4,186.3	6,242.8	R32	3.76	1567	183,213	225		208/1/60	0.25/15	1,2,3,4,5,6
DHP8	ATTIC	DAH8-05	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	12,578.7	R32	4.25	1771	122,142	371	0.6	208/1/60	2.13/15	1,2,3,4,5,6
DHP8	ATTIC	DAH8-06	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	12,578.7	R32	3.69	1538	122,142	371	0.6	208/1/60	1.9/15	1,2,3,4,5,6
DHP8	ATTIC	DAH8-07	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	12,578.7	R32	2.93	1221	122,142	371	0.6	208/1/60	1.9/15	1,2,3,4,5,6
DHP8	ATTIC	DAH8-08	TPEFYP012MA1M0A	Ceiling-Concealed (Ducted)	12,000	13,500	75.0/62.5	70	10,769.9	8,147.7	12,578.7	R32	3.59	1496	122,142	371	0.6	208/1/60	1.9/15	1,2,3,4,5,6
DHP8	IT 73B	DAH8-09	TPKFYP008LM1M0A	Wall -Mounted	8,000	9,000	75.0/62.5	70	7,179.9	6,021.2	8,385.8	R32	3.59	1496	183,213	237		208/1/60	0.24/15	1,2,3,4,5,6

NOTES:

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80°F DB/67°F WB, OUTDOOR OF 95°F DB.
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F DB, OUTDOOR OF 43°F WB.
3. SEE OUTDOOR UNIT SCHEDULE FOR OUTDOOR AMBIENT CONDITIONS, CONNECTED CAPACITY, AND OTHER FACTORS ASSOCIATED WITH CORRECTED CAPACITIES.
4. SEE SCHEMATIC PIPING/CONTROL DIAGRAM FOR INDICATION OF REQUIRED INDOOR UNIT REMOTE CONTROLLERS, SYSTEM CONTROLLERS, AND INTEGRATION DEVICES.
5. RECIRCULATING ROOM UNIT TO INCLUDE MANUFACTURER RECOMMENDED FILTER PER ASHRAE 170 9.1a5.
6. MIN.OCC. (CF) FOR R-32 BASED ON ONE-HALF OF 4.8 LB/1000CF FOR INSTITUTIONAL OCCUPANCY.

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VRF OUTDOOR UNIT SCHEDULE

SYSTEM TAG	DRAWING TAG	M-NET Address	DESIGN BASIS MODEL (TRANE/MITSUBISHI)	Modules	NOMINAL COOLING (BTUH)	NOMINAL HEATING (BTUH)	COOLING EFFICIENCY IEER/EER	HEATING COP @ 47°F	Nom System Connected Capacity (% of NOM)	COOLING DESIGN OAT (°F DB)	HEATING DESIGN OAT (°F DB)	CORRECTED TOTAL COOLING (BTUH)	CORRECTED TOTAL HEATING (BTUH)	REFRIG. TYPE	ELECTRICAL- PER MODULE VOLTAGE	MCA	RFS	MOCP	NOTES
DHP1	DHP1		TURYE0963AMM0AN	EM96	96,000	108,000	24.95 / 14.05	4.200	100.0%	94.0	14.6	89,186	91,179	R-32	208/3/60	40	40	60	1, 2, 3, 4
DHP2	DHP2		TURYE0963AMM0AN	EM96	96,000	108,000	24.95 / 14.05	4.200	100.0%	94.0	14.6	87,702	90,714	R-32	208/3/60	40	40	60	1, 2, 3, 4
DHP3	DHP3		TURYE0963AMM0AN	EM96	96,000	108,000	24.95 / 14.05	4.200	95.8%	94.0	14.6	89,011	90,249	R-32	208/3/60	40	40	60	1, 2, 3, 4
DHP4	DHP4		TURYE1443AMM0AN	EM144	144,000	160,000	22.15 / 12.55	3.850	97.2%	94.0	14.6	133,928	128,082	R-32	208/3/60	60	70	100	1, 2, 3, 4
DHP5	DHP5		TURYE1203AMM0AN	EM120	120,000	135,000	23.6 / 13.0	3.910	80.0%	94.0	14.6	118,150	109,614	R-32	208/3/60	51	60	80	1, 2, 3, 4
DHP6	DHP6		TURYE0963AMM0AN	EM96	96,000	108,000	24.95 / 14.05	4.200	100.0%	94.0	14.6	90,802	91,550	R-32	208/3/60	40	40	60	1, 2, 3, 4
DHP7	DHP7		TURYE1443AMM0AN	EM144	144,000	160,000	22.15 / 12.55	3.850	105.6%	94.0	14.6	133,931	128,286	R-32	208/3/60	60	70	100	1, 2, 3, 4
DHP8	DHP8		TURYE0963AMM0AN	EM96	96,000	108,000	24.95 / 14.05	4.200	83.3%	94.0	14.6	92,488	90,063	R-32	208/3/60	40	40	60	1, 2, 3, 4

NOTES:

1. NOMINAL COOLING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 80°F DB/67°F WB, OUTDOOR OF 95°F DB.
2. NOMINAL HEATING CAPACITIES ARE BASED ON INDOOR COIL EAT OF 70°F DB, OUTDOOR OF 43°F WB.
3. EFFICIENCY VALUES FOR EER, IEER, COP ARE BASED ON AHRI 1230 TEST METHOD FOR MIXTURE OF DUCTED & NON-DUCTED INDOOR UNITS.
4. FIELD CHARGE MUST BE UPDATED BASED UPON FINAL AS-BUILT PIPING LAYOUT.

VRF HEAT RECOVERY BRANCH CIRCUIT CONTROLLER

SYSTEM TAG	DRAWING TAG	DESIGN BASIS MODEL (TRANE/MITSUBISHI)	TYPE	NUMBER PORTS	CONNECTED CAPACITY	ELECTRICAL VOLTAGE	POWER COOLING (kW)	POWER HEATING (kW)	MCA/ MOCP	REFRIGERANT TYPE	TOTAL CHARGE (LB.)	MIN. OCC. (CF)	DESIGN OCC. (CF)	NOTES
DHP1	BC1-1	CMB-M108NU-MA-SV	Main	8	96,000	208/1/60	0.09/0.1	0.06/0.06	0.13/15	R-32	47.84	19,933	34,830	1,2
DHP1	BC1-2	CMB-M108NU-MB-SV	Sub	8	48,000	208/1/60	0.06/0.06	0.06/0.06	0.13/15	R-32	47.84	19,933	34,830	1,2
DHP2	BC2-1	CMB-M108NU-MA-SV	Main	8	96,000	208/1/60	0.09/0.1	0.06/0.06	0.13/15	R-32	50.04	20,850	71,706	1,2
DHP2	BC2-2	CMB-M108NU-MB-SV	Sub	8	48,000	208/1/60	0.06/0.06	0.06/0.06	0.13/15	R-32	50.04	20,850	45,690	1,2
DHP3	BC3-1	CMB-M1012NU-MA-SV	Main	12	92,000	208/1/60	0.09/0.1	0.06/0.06	0.13/15	R-32	48.72	20,300	22,026	1,2
DHP3	BC3-2	CMB-M104NU-MB-SV	Sub	4	20,000	208/1/60	0.05/0.05	0.05/0.05	0.07/15	R-32	48.72	20,300	22,026	1,2
DHP4	BC4-1	CMB-M1012NU-MA-SV	Main	12	140,000	208/1/60	0.09/0.1	0.06/0.06	0.13/15	R-32	61.73	25,721	87,114	1,2
DHP4	BC4-2	CMB-M108NU-MB-SV	Sub	8	36,000	208/1/60	0.06/0.06	0.06/0.06	0.13/15	R-32	61.73	25,721	87,114	1,2
DHP4	BC4-3	CMB-M104NU-MB-SV	Sub	4	24,000	208/1/60	0.05/0.05	0.05/0.05	0.07/15	R-32	61.73	25,721	87,114	1,2
DHP5	BC5-1	CMB-M1012NU-MA-SV	Main	12	96,000	208/1/60	0.09/0.1	0.06/0.06	0.13/15	R-32	50.93	21,221	34,830	1,2
DHP5	BC5-2	CMB-M104NU-MB-SV	Sub	4	24,000	208/1/60	0.05/0.05	0.05/0.05	0.07/15	R-32	50.93	21,221	45,690	1,2
DHP6	BC6-1	CMB-M108NU-MA-SV	Main	8	96,000	208/1/60	0.09/0.1	0.06/0.06	0.13/15	R-32	46.3	19,292	87,114	1,2
DHP6	BC6-2	CMB-M108NU-MB-SV	Sub	8	48,000	208/1/60	0.06/0.06	0.06/0.06	0.13/15	R-32	46.3	19,292	87,114	1,2
DHP7	BC7-1	CMB-M1012NU-MA-SV	Main	12	152,000	208/1/60	0.09/0.1	0.06/0.06	0.13/15	R-32	66.14	27,558	71,706	1,2
DHP7	BC7-2	CMB-M108NU-MB-SV	Sub	8	48,000	208/1/60	0.06/0.06	0.06/0.06	0.13/15	R-32	66.14	27,558	122,142	1,2
DHP7	BC7-3	CMB-M104NU-MB-SV	Sub	4	24,000	208/1/60	0.05/0.05	0.05/0.05	0.07/15	R-32	66.14	27,558	122,142	1,2
DHP8	BC8-1	CMB-M106NU-MA-SV	Main	6	80,000	208/1/60	0.08/0.09	0.05/0.05	0.12/15	R-32	50.04	20,850	122,142	1,2
DHP8	BC8-2	CMB-M104NU-MB-SV	Sub	4	44,000	208/1/60	0.05/0.05	0.05/0.05	0.07/15	R-32	50.04	20,850	122,142	1,2

NOTES:

1. INCLUDE DIAMONDBACK BALL VALVES BV-SERIES, 700PSIG WORKING PRESSURE, FULL PORT, 410A RATED ON ALL PORTS.
2. MIN.OCC. (CF) FOR R-32 BASED ON ONE-HALF OF 4.8 LB/1000CF FOR INSTITUTIONAL OCCUPANCY.

1

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NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER JAMES R. BENSON, III

09/25/2026

09-29-2026 BID

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Winston-Salem, North Carolina

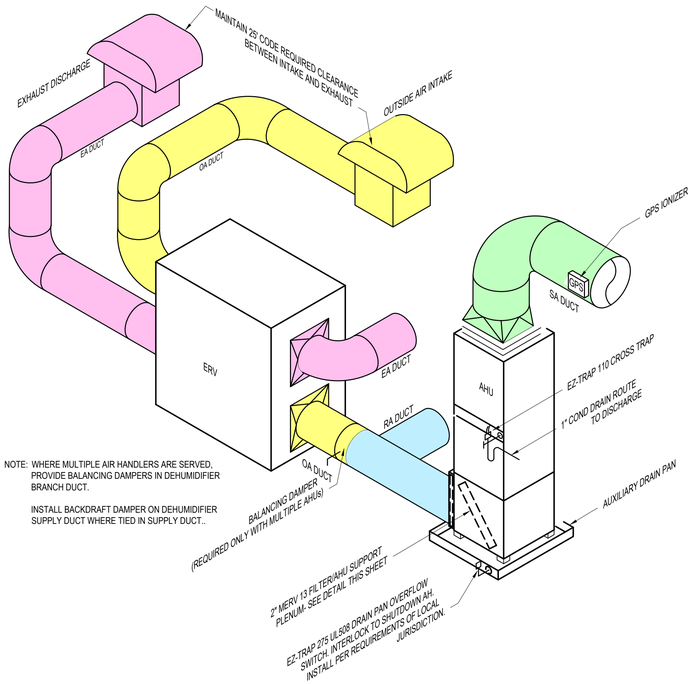
David R. Polston - Architect
3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

REV	DESCR.	DATE
1	REVISIONS PER PLAN REVIEW	09.29.2026

100 BED FACILITY

MECHANICAL CONTROLS

M0.3

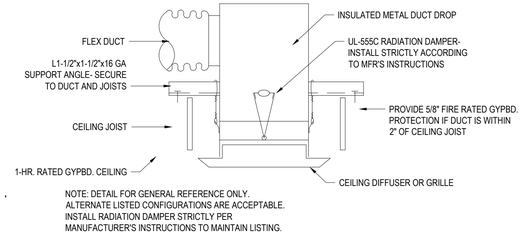


NOTE: WHERE MULTIPLE AIR HANDLERS ARE SERVED, PROVIDE BALANCING DAMPERS IN DEHUMIDIFIER BRANCH DUCT.

INSTALL BACKDRAFT DAMPER ON DEHUMIDIFIER SUPPLY DUCT WHERE TIED IN SUPPLY DUCT..

1 - ERV / AHU / DEHUMIDIFIER DETAIL

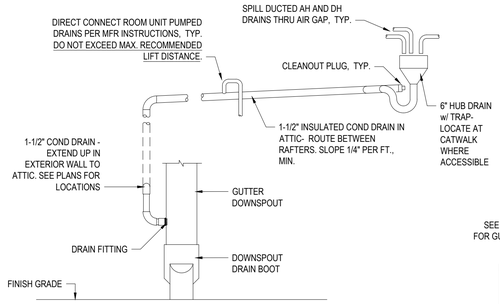
NOT TO SCALE



NOTE: DETAIL FOR GENERAL REFERENCE ONLY. ALTERNATE LISTED CONFIGURATIONS ARE ACCEPTABLE. INSTALL RADIATION DAMPER STRICTLY PER MANUFACTURER'S INSTRUCTIONS TO MAINTAIN LISTING.

2 - RADIATION DAMPER DETAIL

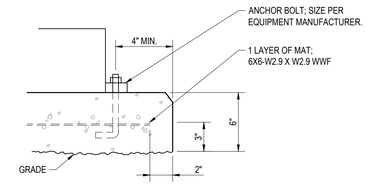
NOT TO SCALE



3 - CONDENSATE DRAIN/ DISCHARGE DETAIL

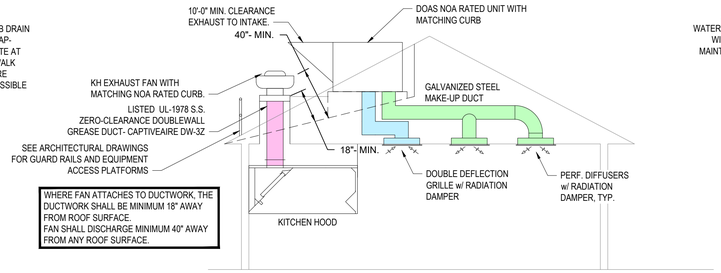
NOT TO SCALE

NOTE:
1. MESH SHALL BE FURNISHED IN SHEETS.
2. ALL PAD EDGES SHALL BE CHAMFERED.
3. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3,000 PSI AT 28 DAYS
4. ONLY ANCHOR EQUIPMENT WITH MANUFACTURER SUPPLIED ANCHOR MOUNTS



4 - EQUIPMENT PAD DETAIL

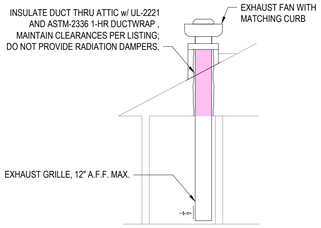
NOT TO SCALE



WHERE FAN ATTACHES TO DUCTWORK, THE DUCTWORK SHALL BE MINIMUM 18" AWAY FROM ROOF SURFACE. FAN SHALL DISCHARGE MINIMUM 40" AWAY FROM ANY ROOF SURFACE.

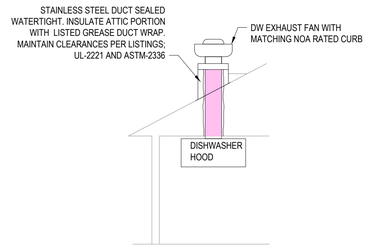
5 - KITCHEN HOOD DETAIL

NOT TO SCALE



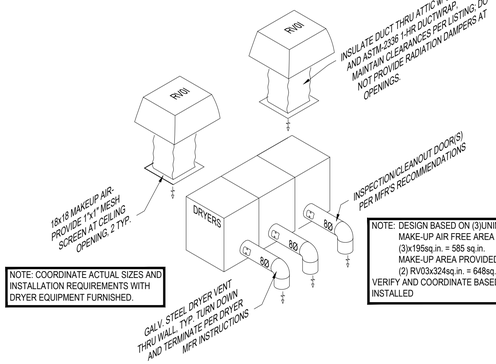
11- OXY. STORAGE EXHAUST DETAIL

NOT TO SCALE



6 - DISHWASHER HOOD DETAIL

NOT TO SCALE

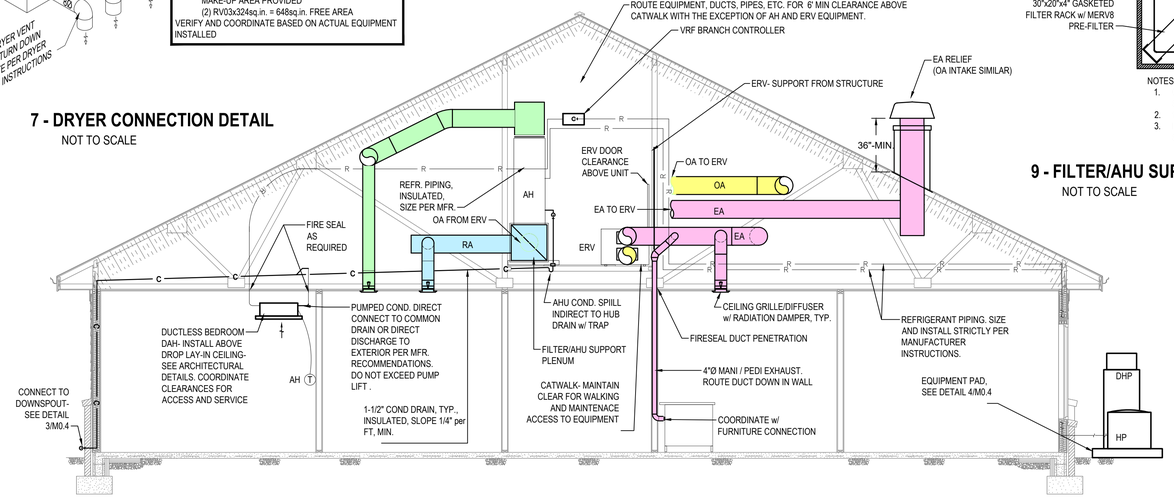


NOTE: COORDINATE ACTUAL SIZES AND INSTALLATION REQUIREMENTS WITH DRYER EQUIPMENT FURNISHED.

NOTE: DESIGN BASED ON (3)UNIMAC UT075N DRYERS
MAKE-UP AIR FREE AREA REQUIRED
(3)x195sq.in. = 585 sq.in.
MAKE-UP AREA PROVIDED
(2) RV03x324sq.in. = 648sq.in. FREE AREA
VERIFY AND COORDINATE BASED ON ACTUAL EQUIPMENT INSTALLED

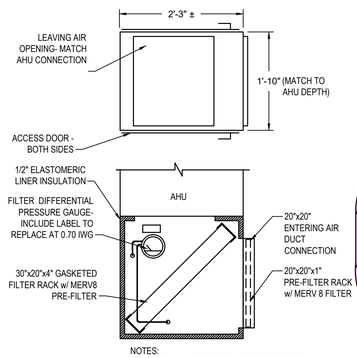
7 - DRYER CONNECTION DETAIL

NOT TO SCALE



8 - TYPICAL BUILDING SECTION

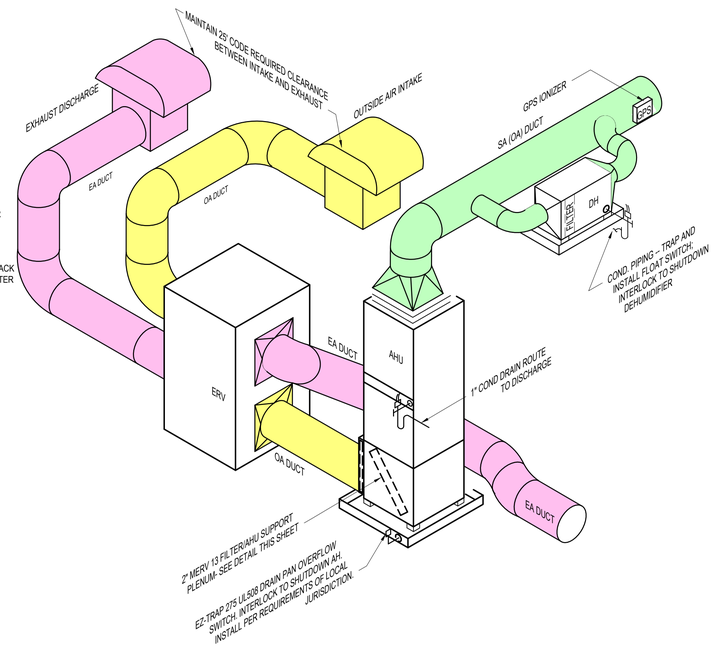
NOT TO SCALE



NOTES:
1. GALVANIZED STEEL CONSTRUCTION TO SUPPORT AHU WEIGHT.
2. 1/2" ELASTOMERIC LINER INSULATION.
3. DIMENSIONAS ARE APPROXIMATE. ADJUST SIZE TO SUIT AHU EQUIPMENT.

9 - FILTER/AHU SUPPORT PLENUM DETAIL

NOT TO SCALE



10 - WAITING/EXAM UNIT DETAIL

NOT TO SCALE (AH02/ER02)

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09/25/2026

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Winston-Salem, North Carolina

David R. Polston - Architect
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Architecture Planning Design

100 BED FACILITY
MECHANICAL DETAILS

M0.4

HOOD INFORMATION – JOB#8493270

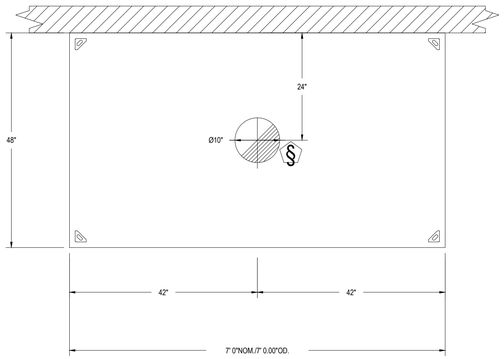
HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S)							HOOD CONSTRUCTION	HOOD CONFIG	
										WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP		END TO END	ROW
1	Hood Front	6024 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	200	2000			4"	14"	2000	1871	-0.801"	430 SS WHERE EXPOSED	ALONE	FRONT
2	Hood Back	6024 ND-2	CAPTIVEAIRE	10' 0"	600 DEG	I	HEAVY	200	2000			4"	14"	2000	1871	-0.801"	430 SS WHERE EXPOSED	ALONE	BACK
3	Hood Dishwasher	4824 VHB-G-ND	CAPTIVEAIRE	7' 0"	700 DEG	II	N/A	125	875			4"	10"	875	1604	-0.147"	430 SS 100%	ALONE	ALONE

HOOD INFORMATION

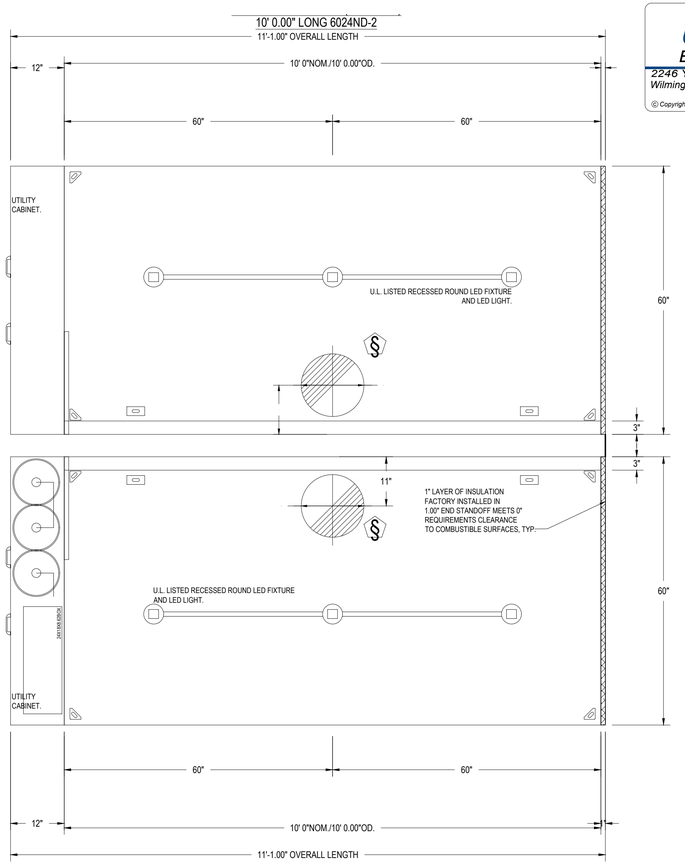
HOOD NO	TAG	FILTER(S)					LIGHT(S)			UTILITY CABINET(S)					FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
		TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL	SWITCHES	
												TYPE	SIZE	MODEL #	QUANTITY	
1	Hood Front	CAPTRATE SOLO FILTER	7	20"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	LEFT	12"x60"x24"	TANK FS	4.0/4.0/4.0	SC-321110MA	1 LIGHT 1 FAN	YES	1011 LBS
2	Hood Back	CAPTRATE SOLO FILTER	7	20"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO	RIGHT	12"x60"x24"					YES	671 LBS
3	Hood Dishwasher						0									NO	312 LBS

HOOD OPTIONS

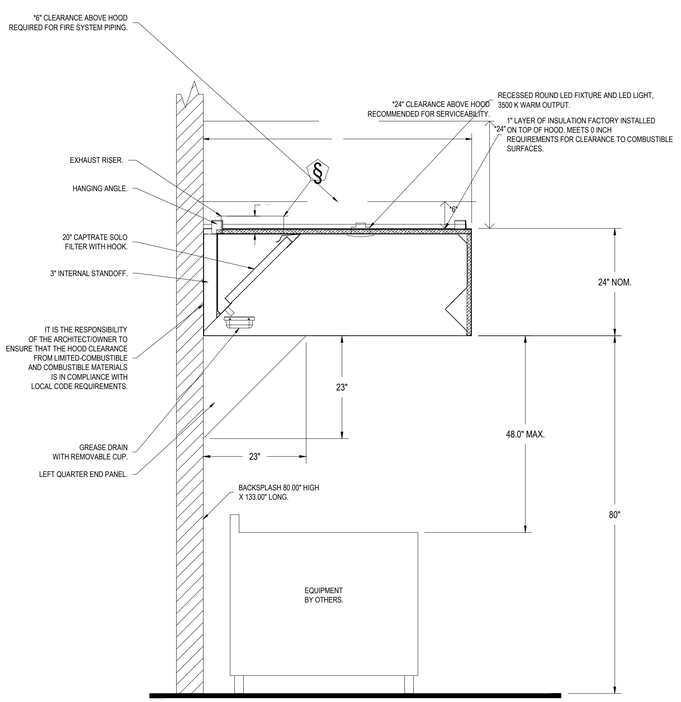
HOOD NO	TAG	OPTION
1	Hood Front	BACKSPLASH 80.00" HIGH X 133.00" LONG 430 SS VERTICAL.
		RIGHT SIDESPLASH 80.00" HIGH X 60.00" LONG 430 SS VERTICAL.
		RIGHT END STANDOFF (FINISHED) 1" WIDE 60" LONG INSULATED.
		LEFT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		INSULATION FOR TOP OF HOOD.
		STRUCTURAL FRONT PANEL.
		SENSOR-CV.
2	Hood Back	BACKSPLASH 80.00" HIGH X 133.00" LONG 430 SS VERTICAL.
		LEFT SIDESPLASH 80.00" HIGH X 60.00" LONG 430 SS VERTICAL.
		LEFT END STANDOFF (FINISHED) 1" WIDE 60" LONG INSULATED.
		RIGHT QUARTER END PANEL 23" TOP WIDTH, 0" BOTTOM WIDTH, 23" HIGH 430 SS.
		INSULATION FOR TOP OF HOOD.
		STRUCTURAL FRONT PANEL.
		SENSOR-CV.
3	Hood Dishwasher	FIELD WRAPPER 6.00" HIGH FRONT, LEFT, RIGHT.
		INSULATION FOR TOP OF HOOD.



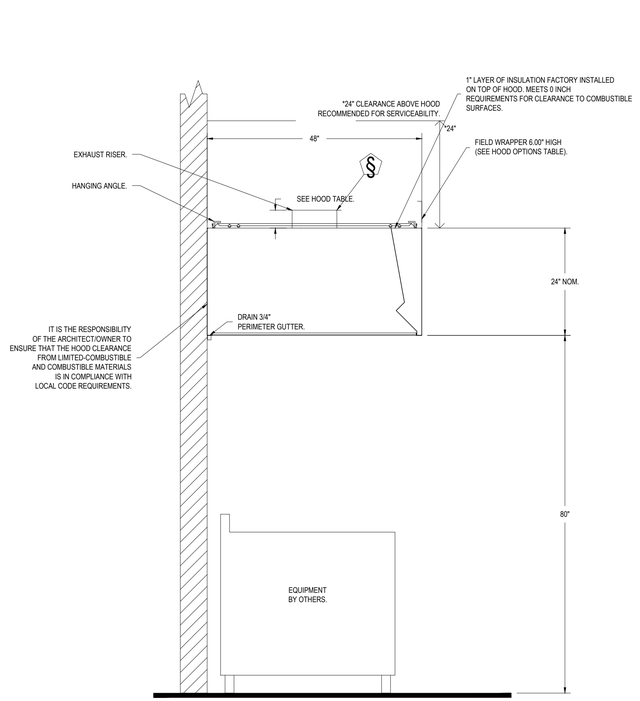
PLAN VIEW - HOOD #3 (Hood Dishwasher)
7' 0.00" LONG 4824VHB-G-ND



PLAN VIEW - HOOD #1 (Hood Front)
10' 0.00" LONG 6024ND-2



SECTION VIEW – MODEL 6024ND-2
HOOD – #1 (Hood Front), #2 (Hood Back), similar



SECTION VIEW – MODEL 4824VHB-G-ND
HOOD – #3 (Hood Dishwasher)

NOTE: BASIS OF DESIGN IS BY CAPTIVEAIRE- REFERENCE JOB #8493270. HOODS PROVIDED BY DIRECT SUPPLY AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR.

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NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER MARK A. BENSON

09/25/2026

09-29-2026 BID

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Winston-Salem, North Carolina

David R. Polston - Architect
3806 Park Ave. Suite 2–L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
KITCHEN HOOD DETAILS

M0.5

FIRE SYSTEM INFORMATION – JOB#8493270

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0/4.0/4.0	60	56	FIRE CABINET LEFT	LEFT, HOOD 1

GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	2.000	CAPTIVEAIRE SYSTEMS

FIRE SYSTEM PARTS LIST KEY

FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-OT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F. (A0034310).	2	0
		0 - 0 - 32-00002 QUIK SEAL - 1/2" (UL).	2	0
		0 - 0 - 361091 3/8" BRASS PLUG.	4	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	3	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	2	0
		0 - 0 - 79425 3/8" NPT FEMALE TO 1/2" MALE PROPRESS ADAPTER.	4	0
		0 - 0 - 79525 1/2" 90 PRO-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	2	0
		0 - 0 - 79580 1/2" X 1/2" PRO-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	3	0
		0 - 0 - 87-120042-001 SECONDARY ACTUATOR VALVE (SVA) - SINGLE ACTUATOR, REQUIRES PRIMARY RELEASE ACTUATOR, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-120045-001 HOSE, SECONDARY ACTUATOR HOSE, 7.5" BRAIDED STAINLESS STEEL, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300033-001 DIN CONNECTOR, CANFIELD PART #5J560-201-EU0A, TANK FIRE SUPPRESSION, SUBMINATURE SOLENOID CONNECTION (CED VENDOR 30377).	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	12	0
		0 - 0 - 9055455PC PRO PRESS 1/2 PRESS X PRESS 90 ELBOW LD.	10	0
		0 - 0 - 9097200PC PRO PRESS PC611 1/2 PRESS TEE LD.	10	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	6	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	2	0
		0 - 0 - BI145 3/8" BLACK IRON 90 ELL.	4	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 - 0 - SLPCON-03FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 2' GAP. KIT CONTAINS 5 FEET OF BLACK MG WIRE, 5 FEET OF TAN MG WIRE, 3 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	1	0
		0 - 0 - SLPCON-15FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 14' GAP OR BACK TO BACK HOODS. KIT CONTAINS 17 FEET OF BLACK MG WIRE, 17 FEET OF TAN MG WIRE, 15 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	2	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	9	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	3	0
		0 - 0 - WK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	3	0
		16 - 16 - 79210 1/2" X 3/8" NPT MALE ADAPTER, VIEGA.	12	0
		16 - 16 - OL-F NOZZLE - TANK PROTECTION APPLIANCE COVERAGE NOZZLE (INCLUDES METAL BLOW OFF CAP, LANYARD, USED WITH CHROME-PLATED PIPE).	12	0
		26 - 26 - QSA-3/8 QUIK SEAL - 3/8" (UL).	12	0
		34 - 34 - A0034331 RED COLOR - 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT.	1	0
		ADDITIONAL PARTS TO BE DETERMINED...		

JOB NO 8493270 | MODEL NUMBER SC-321110MA | JOB NAME Pruitt Health – Winston-Salem... | DRAWN BY | DATE 2/6/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1.3

DESCRIPTION OF OPERATION: Fire System #1 TANK FS – 4.0/4.0/4.0. Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood preview panel.

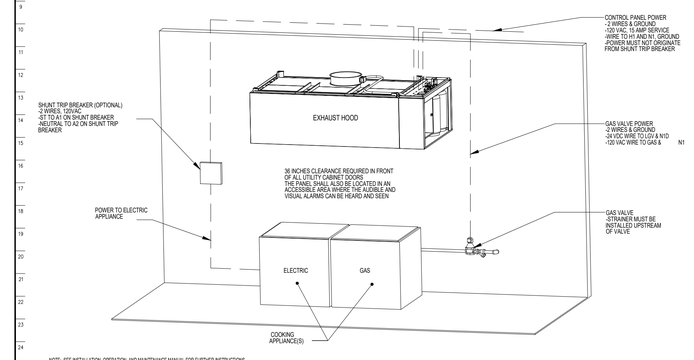
TANK PROTECTION ELECTRICAL DETAIL

02/10/2021 Rev. 2

FS-1: MASTER

ELECTRICIAN:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION IN DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1(IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 1.0 AMPS	IF 24 VDC: 2 WIRES & GROUND, N1D TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC: 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO 8493270 | MODEL NUMBER SC-321110MA | JOB NAME Pruitt Health – Winston-Salem... | DRAWN BY | DATE 2/6/2026 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1.4

DESCRIPTION OF OPERATION: Fire System #1 TANK FS – 4.0/4.0/4.0. Tank-based Fire Protection System equipped with Electronic Detection utilizing CORE board as a Listed Release Mechanism. Installed in Hood Utility Cabinet with integral hood preview panel.

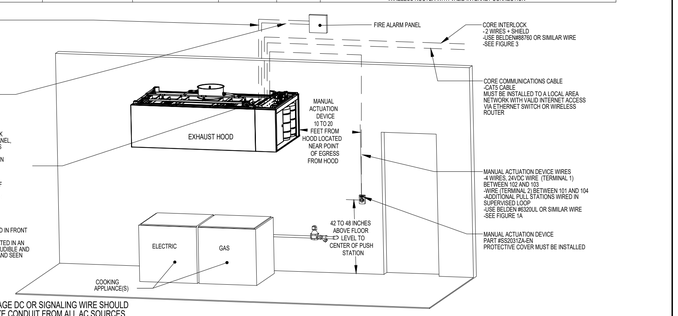
TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

FS-1: MASTER

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), *REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST
*REMOTE FIRESTAT(S) MAYBE BE REQUIRED DEPENDING ON THE DUCT LAYOUT AND HOOD TEMPERATURE RATING. REFERENCE MANUAL FOR LOCATION AND GUIDELINES.

ALARM CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 1.0 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL PULL STATION DEVICE INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED PART #SS2031ZA-EN, SAFETY SCREW, 5/32 HEX DRIVE, STAINLESS STEEL
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 1.0 AMPS	WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (342°F) #4416101CE FES (WHITE) & #4416101CE-FED (BLK WIRE OR SIMILAR ONLY IF RAN OF HOOD, OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE. SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) CA, TO CORE SYSTEM (2) CA, CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB CORE SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDENM 8760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TOK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT. CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

NOTE: BASIS OF DESIGN IS BY CAPTIVEAIRE- REFERENCE JOB #8493270. HOODS PROVIDED BY DIRECT SUPPLY AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR.

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NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER MARK BENSMAN

09/25/2026

09-29-2026 BID

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Architecture Planning Design

100 BED FACILITY
KITCHEN HOOD DETAILS

M0.6

EXHAUST FAN INFORMATION – JOB#8493270

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	EF-1	1	DU180HFA	CAPTIVEAIRE	2000	1.500	1172	ODP,PREMIUM	1.500	1.0680	3	208	6.6	462 FPM	177	14.3
2	EF-2	1	DU180HFA	CAPTIVEAIRE	2000	1.500	1172	ODP,PREMIUM	1.500	1.0680	3	208	6.6	462 FPM	177	14.3
3	EF-3	1	DU50HFA	CAPTIVEAIRE	875	0.500	1028	TEAO-ECM	0.500	0.1540	1	208	3.8	333 FPM	71	7.2

DOAS/RTU FAN SCHEDULE – JOB#8493270

FAN INFORMATION										ELECTRICAL INFORMATION					COOLING INFORMATION										REHEAT INFORMATION					GAS HEAT INFORMATION						A2L MINIMUM ROOM VOLUME			
															OUTSIDE AIR		MIXED AIR		LEAVING AIR			CAPACITY			DISCHARGE	CAPACITY													
FAN UNIT NO	TAG	QTY	DOAS/RTU MODEL #	MANUFACTURER	BLOWER	TOTAL CFM	MAX OUTSIDE AIR CFM	RETURN AIR CFM	WEIGHT (LBS)	ESP	HP	PHASE	VOLT	MCA	MOCP	DB	WB	DB	WB	DB	WB	DP	TOTAL	SENS.	IEER	ISMRE2	DB	WB	DESIRED	MAX	MOISTURE REMOVAL RATE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	ROOM AREA (FT2)	AIRFLOW (CFM)	HEIGHT (FT)	NOTES
4	PARAGON DOAS	1	CAS-HVAC3-I.685-24-30T	CAPTIVEAIRE	24MF-3-RTU	4785	4785	0	3396	0.600	5.00	3	208	142.2A	150A	86.5°F	76.4°F	86.5°F	76.4°F	55.5°F	55.5°F	55.5°F	348.9 MBH	161.4 MBH	14.9	5.8	70.0°F	61.0°F	75.5 MBH	204.6 MBH	162.4 LBS/HR	NATURAL	410772	332725	60°F	7 IN. W.C. - 14 IN. W.C.	719.6	1295	7.2	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19

NOTES:

1. INVERTER SCROLL COMPRESSOR WITH INTEGRATED OIL SENSOR. DIGITAL OR STAGED SCROLL NOT AN APPROVED EQUAL
2. DIRECT DRIVE PLENUM BLOWER. BELT DRIVEN BLOWERS ARE NOT ACCEPTABLE
3. INTEGRATED MONITORING VIA CELLULAR CONNECTION BY MANUFACTURER
4. REFRIGERATION PRESSURE MONITORING ON HIGH AND LOW PRESSURE SIDE OF SYSTEM INCLUDED THROUGH DIGITAL INTERFACE
5. EC MOTOR CONDENSING FANS
6. ELECTRONIC EXPANSION VALVE. TXV NOT ACCEPTABLE
7. SUCTION LINE ACCUMULATOR
8. FACTORY COMMISSIONING WITH 5 YEAR PARTS WARRANTY, 25 YEAR WARRANTY ON STAINLESS STEEL HEAT EXCHANGER
9. AVERAGING INTAKE, EVAP AND DISCHARGE TEMPERATURE SENSORS (DISCHARGE SENSOR TO BE FACTORY MOUNTED WITHIN UNIT)
10. 2" EXTERIOR DUAL-WALL CONSTRUCTION W/ R-13 INSULATION-MINIMUM 20GA EXTERIOR W/ 14GA BASE
11. 81% EFFICIENT FURNACE, WITH MODULATING INDUCER TO MAINTAIN CONSTANT COMBUSTION EFFICIENCY ACROSS FIRING RANGE. 12:1 TURNDOWN WITH NG AND 10:1 TURNDOWN WITH LP
12. SUPPLY CFM MONITORING INTEGRAL TO UNIT WITH CFM MEASUREMENT INCLUDED THROUGH DIGITAL INTERFACE
13. FULLY MODULATING HOT GAS REHEAT
14. 0°F LOW AMBIENT OPERATION
15. HAIL GUARD FOR CONDENSING COIL
16. FACTORY INSTALLED COMPRESSOR SOUND BLANKET
17. DOWN DISCHARGE/DOWN RETURN
18. MINIMUM ROOM AREA ASSUMED 7.2' SUPPLY DIFFUSER HEIGHT AND IS CALCULATED PER UL60335-2-40 4TH ED. VALUES BASED ON FACTORY CHARGE. ACTUAL SITE CHARGE MAY DIFFER.
19. SCCR RATING OF 10kAMP

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF01	1	GREASE BOX
		1	2 YEAR PARTS WARRANTY
2	KEF-2	1	GREASE BOX
		1	2 YEAR PARTS WARRANTY
3	KEF03	1	ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
4	PARAG ON DOAS	1	INLET PRESSURE GAUGE, 0-35"
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 1 FURNACE
		1	COOLING OVERRIDE
		1	RTU BLOWER DOOR SWITCH
		1	RTU3 DOWN DISCHARGE, 685 MBH
		1	2" MERV 13 FILTERS FOR RTU3 (QTY. 4)
		1	2" MERV 8 FILTERS FOR RTU3 (QTY. 4)
		1	OVERHEAT STAT
		1	TOTAL CFM MONITORING
		1	BLOWER STOP DELAY. ALLOWS RESIDUAL HEAT TO BE TRANSFERRED INTO THE SUPPLY AIR AFTER HEATING HAS STOPPED. FACTORY SET AT: 90 SECS FOR IBT, 30 SECS FOR DF
		1	30 TON MODULATING COOLING OPTION, 208/230V. SIZE 3 CABINET, R454B REFRIGERANT, VARIABLE SPEED COMPRESSOR, ECM CONDENSING FANS
		1	LOW AMBIENT COOLING OPERATION - DOWN TO 0F AMBIENT
		1	R454B LEAK DETECTOR OPTION FOR RTUS
		1	RTU INTAKE/RETURN DAMPER - OA PERCENTAGE CONTROL
		1	RTU3 HAIL GUARD
		1	RTUVZH170 COMPRESSOR SOUND BLANKET 230V - FACTORY INSTALLED
		1	RTU3 DOWN RETURN
		1	2" METAL MESH FILTERS FOR RTU3 OUTDOOR INTAKE
		1	FREEZESTAT
		1	RTU3 CONVENIENCE OUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION. INCLUDES RECEPTACLE, COVER AND J-BOX
		1	CLOGGED FILTER SWITCH - NOTIFICATION ON HMI
		1	OCCUPIED SCHEDULING
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	120V FIRE INPUT
		1	COMMERCIAL SMOKE DETECTOR/ALARM INTERLOCK - ALARM SUPPLIED BY OTHERS
		1	INTAKE FIRESTAT SET TO 135°F
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	30 TON MODULATING REHEAT OPTION FOR SIZE 3 CABINET - SPACE DEWPOINT CONTROL - R454B
		1	RTU3 CURB DUCT HANGER
		1	VAV PACKAGE W/ 0-10VDC INPUT CONTROL (571 VFD INCLUDED)
		1	VFD FACTORY MOUNTED AND WIRED IN RTU COMMERCIAL CONTROL VESTIBULE
		1	SINGLE POINT ELECTRICAL CONNECTION FOR RTU. 750VA TRANSFORMER USED. IF A NON-DCV PREWIRE CONTROLS THIS UNIT, THE #28, #47, "MA", OR "E2" PREWIRE OPTION MUST BE SELECTED. DOES NOT PROVIDE SUPPLY STARTER IN PREWIRE
		1	5 YEAR ENTIRE UNIT PARTS WARRANTY, 10 YEAR ENTIRE UNIT PARTS WARRANTY WITH REMOTE MONITORING AND CAPTIVEAIRE SERVICE CONTRACT, 25 YEAR STAINLESS STEEL FURNACE PARTS WARRANTY (SEE ADDITIONAL DETAILS)
		1	EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET

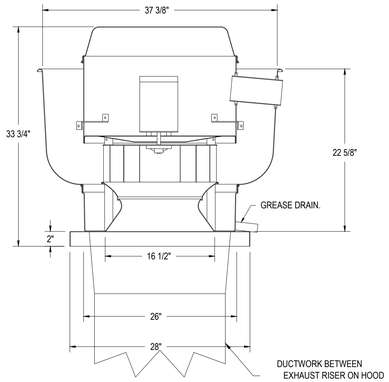
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF01	YES						
2	KEF02	YES						
3	KEF03							

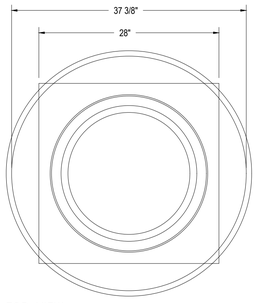
CURB ASSEMBLIES

NO	ON FAN	TAG	R-VALUE	WEIGHT	ITEM	SIZE
1	# 1	KEF01-VERIFY PITCH		43 LBS	CURB	26.500"W X 26.500"L X 20.000"H 2.000:12.000 PITCH ALONG LENGTH, RIGHT VENTED HINGED.
2	# 2	KEF02 VERIFY PITCH		43 LBS	CURB	26.500"W X 26.500"L X 20.000"H 2.000:12.000 PITCH ALONG LENGTH, RIGHT VENTED HINGED.
3	# 3	KEF03 VERIFY PITCH		31 LBS	CURB	19.500"W X 19.500"L X 20.000"H 2.000:12.000 PITCH ALONG LENGTH, RIGHT VENTED HINGED.
4	# 4	PARAGON DOAS VERIFY PITCH	4.3	104 LBS	CURB	59.500"W X 91.000"L X 14.000"H INSULATED.

FANS #1 (KEF01), #2 (KEF02) - DU180HFA EXHAUST FAN



DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS).



TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

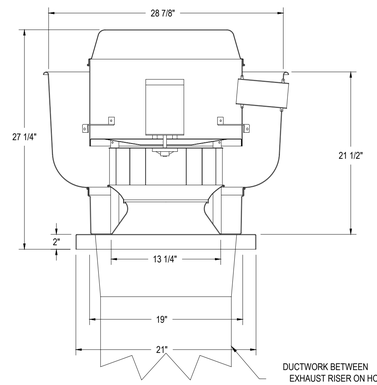
NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

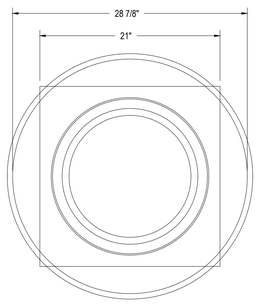
OPTIONS

- GREASE BOX.
- FAN BASE CERAMIC SEAL - INSTALLED AT PLANT - FOR GREASE DUCTS.
- MIAMI DADE CERTIFICATION - NOA-1 ALUMINUM UPBLAST.
- 2 YEAR PARTS WARRANTY.

FAN #3 DU50HFA - EXHAUST FAN (KEF03)



DUCTWORK BETWEEN EXHAUST RISER ON HOOD AND FAN (BY OTHERS).



TOP VIEW

FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).

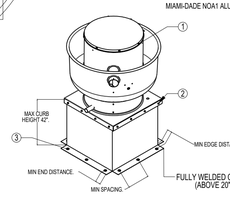
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

OPTIONS

- ECM WIRING PACKAGE - EXHAUST - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -MSC- (TELCO), CCW ROTATION.
- MIAMI DADE CERTIFICATION - NOA-1 ALUMINUM UPBLAST.
- 2 YEAR PARTS WARRANTY.

MIAMI-DADE NOA1 ALUMINUM UP-BLAST FANS



GENERAL NOTES:

1. THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSING ONLY. IT DOES NOT INCLUDE ANY INTERIOR MECHANISM OR ELECTRICAL PART.
2. THESE FANS HAVE NOT BEEN WIND TESTED FOR WIND DRIVEN RAIN TEST PER FLORIDA BUILDING CODE, TAS100 (A)-95.
3. TESTED IN ACCORDANCE TO FLORIDA BUILDING CODE TEST PROTOCOL TAS201, TAS202, TAS203.
4. TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
5. TESTED UNDER MIAMI-DADE COUNTY NOTIFICATION NUMBER ATI-08033.

INSTALLATION INSTRUCTIONS:
1. SECURE LID TO FAN USING (6) 1/4"-14 X 1" ZINC PLATED STEEL SELF DRILLING SHEET METAL SCREWS WITH RUBBER WASHER SPACED EVENLY AROUND LID.

2. SECURE FAN BASE TO CURB USING 1/4"-14 X 2" GALVANIZED SELF DRILLING SCREWS (ASSY OR BETTER) THROUGH PRE-PUNCHED HOLES IN THE FAN BASE. (SEE TABLE BELOW FOR QTY.)

3. SECURE CURB TO ROOF OR WALL BY DRILLING 1/4" DIA PILOT HOLES IN THE CURB FLANGE AT LOCATIONS SHOWN IN THE DIAGRAM. SEE TABLE BELOW FOR FASTENER TYPE. USE TABLE BELOW FOR FASTENER QTY.

CURB MATERIAL:
20" HIGH & LESS = 22 GA. STEEL.
ABOVE 20" THRU 42" = 16 GA. STEEL.

DESIGN PRESSURE: +150.0 / -150.0 PSF.
LARGE MISSILE IMPACT RESISTANT.

INSTALLATION FASTENER TYPES

	FAN TO CURB	WOOD (SG = 0.42 MIN.)	STEEL (12 GAUGE MIN.)	CONCRETE (2500 PSI MIN. CRACKED CONCRETE)
FASTENER	5/16"-18 X 2" SELF DRILLING SCREW (ELCO DRIL-FLEX OR BETTER)	3/8" DIA. ZINC PLATED LAG BOLT	1/4"-14 DRIL-FLEX SELF DRILLING SCREW	3/8" DIA., ED HILTI KWIK BOLT TZ EXPANSION ANCHOR
MINIMUM THREAD PENETRATION	N/A	2-1/2"	12 GAUGE	2"
MINIMUM EDGE DISTANCE	N/A	1-1/2"	3/8"	3"
MINIMUM END DISTANCE	N/A	2-5/8"	3/8"	3"
MINIMUM SPACING	N/A	1-1/2"	3/4"	5-1/2"

INSTALLATION FASTENER QTY

	CURB TO FAN (ROOF)		CURB TO FAN (WALL)		WOOD (ROOF)		WOOD (WALL)		STEEL (ROOF)		STEEL (WALL)		CONCRETE (ROOF)		CONCRETE (WALL)	
FAN MODEL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL
DU180	3	12	3	12	5	20	5	20	6	24	6	24	5	20	5	20
DU50	3	12	3	12	3	12	3	12	4	16	4	16	3	12	3	12

NOTE: BASIS OF DESIGN IS BY CAPTIVEAIRE- REFERENCE JOB #8493270. HOODS PROVIDED BY DIRECT SUPPLY AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR.

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NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER MARK BENSMAN

09/25/2026

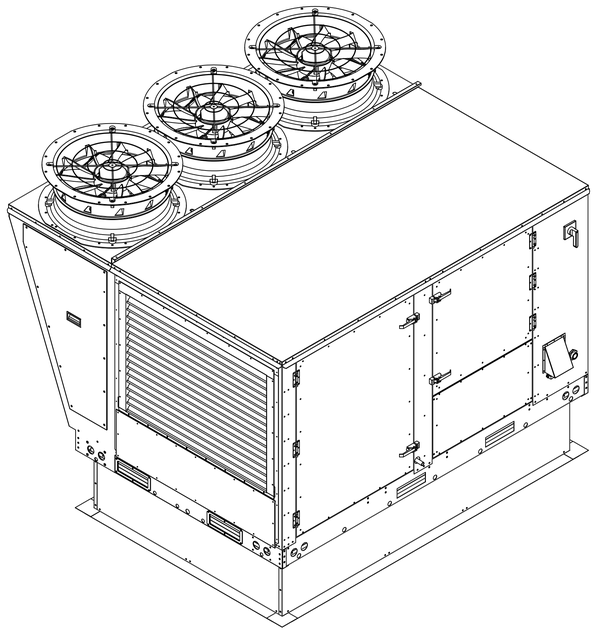
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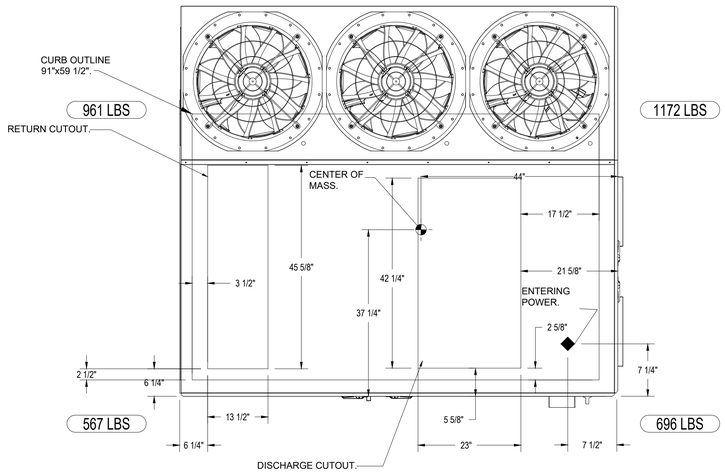
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3806 Park Ave. Suite 2-L, Wilmington, NC 28403
Architecture Planning Design

100 BED FACILITY
KITCHEN HOOD DETAILS

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FAN #4 CAS-HVAC3-I.685-24MF-30T - HEATER (PARAGON DOAS)

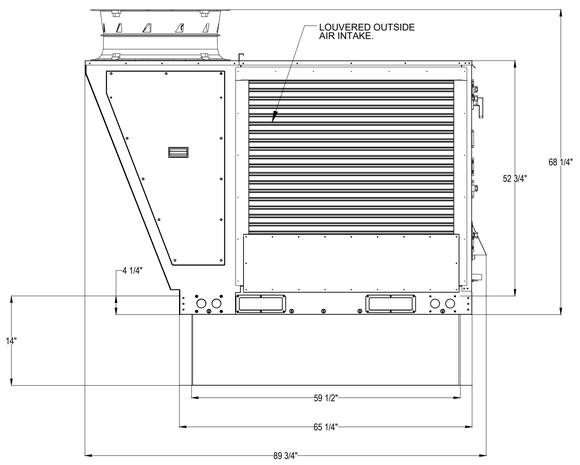
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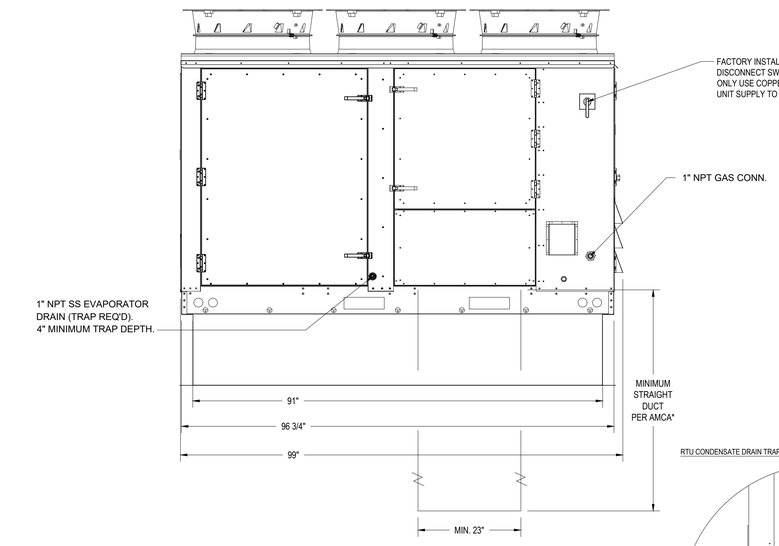
1. DO NOT OBSTRUCT OUTSIDE AIR INLET, OUTSIDE AIR COIL OR OUTSIDE AIR FAN.
2. ( ) DENOTES CORNER WEIGHT.
3. ROOF OPENING MUST BE 2" SMALLER THAN CURB DIMENSIONS IN BOTH DIRECTIONS.
4. CONNECTION FROM BREAKER TO UNITS SAFETY DISCONNECT SWITCH TO BE COPPER WIRE ONLY.
5. EXTERIOR GAS CONNECTION PROVIDED BY FACTORY WITH QUICK SEAL AND ANTI-ROTATION BRACKET.

*NOTE: INTEGRAL CO2 MONITORING AND CONTROL CAPABILITIES FOR ALL SPACE MOUNTED THERMOSTATS.

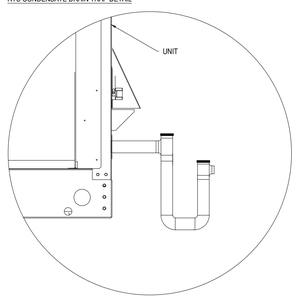
***NOTE: THIS UNIT IS INTENDED TO SERVE IN PLACE OF THE KITCHEN HVAC ROOF TOP UNIT (RTU) IN ADDITION TO PROVIDING APPROPRIATE MAKE-UP AIR FOR THE KITCHEN HOOD(S). RTU AND ASSOCIATED DUCTWORK SHALL BE REMOVED FROM SCOPE UNLESS REQUIRED FOR INTERNAL LOAD ESTIMATES. FINAL DESIGN SHALL BE REVIEWED AND APPROVED BY THE ENGINEER OF RECORD.**

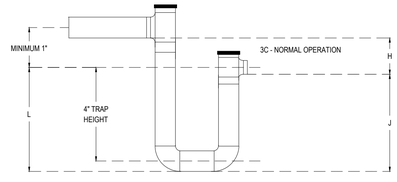
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT.
SUGGESTED SUPPLY STRAIGHT DUCT SIZE IS 23" x 39".
SUGGESTED RETURN STRAIGHT DUCT SIZE IS 45-5/8" x 13-1/2".

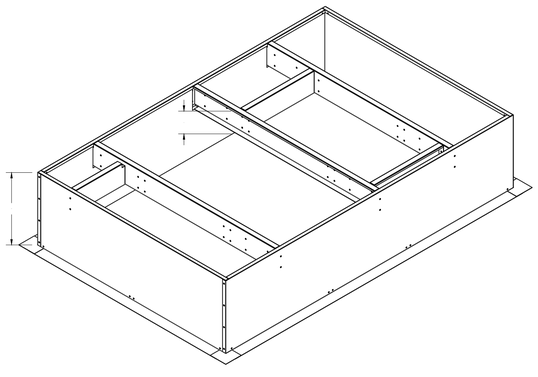


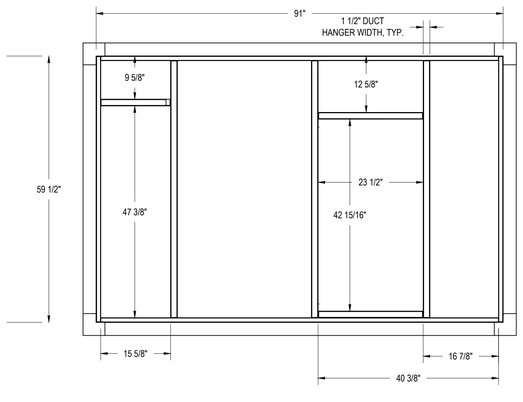


RTU CONDENSATE DRAIN TRAP DETAIL









NOTE: BASIS OF DESIGN IS BY CAPTIVEAIRE- REFERENCE JOB #8493270. HOODS PROVIDED BY DIRECT SUPPLY AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR.

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 10592 BENSON

09/25/2026

09-29-2026 BID

PRUITTHEALTH
FORSYTH COUNTY, L.L.C.
Winston-Salem, North Carolina

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Architecture Planning Design

100 BED FACILITY
KITCHEN HOOD DETAILS

M0.8

VENTILATION REQUIREMENTS AND FULFILLMENT SCHEDULE

SPACE/ZONE								ASHRAE 170-2021 VENTILATION REQUIREMENTS						NCMC 2018 (NON-HEALTHCARE) VENTILATION REQUIREMENTS					VERIFICATION		DESIGN			
AHU SOURCE	ROOM DESCRIPTION	ROOM CLASSIFICATION	QUAN.	AREA (SF)	TOTAL AREA (SF)	CEILING HEIGHT (FT)	VOLUME (FT3)	OA (ACH)	TOTAL (ACH)	PRESSURE RELATIONSHIP	ALL ROOM AIR EXHAUSTED	OA (CFM)	TOTAL (CFM)	DEFAULT OCCUPANTS	OCCUPANT OVERRIDE	CFM PER PERSON	CFM PER SF	MIN. OA incl. Ez (CFM)	TOTAL ACH REQ. MET	DELIVERED TOTAL ACH	SA (CFM)	RA (CFM)	EA (CFM)	OA (CFM)
AH01	0001 Lobby	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	988	988	9	8892	2	4	NR	NR	296	593	0	-	0	0	0	YES	4	600	300	300	300
AH02	0010 Toilet	TOILET/BATHING ROOM	1	55	55	9	495	NR	10	Negative	Yes	-	83	0	-	0	0	0	YES	10.9	20	0	90	20
AH02	0011 Hall	OFFICE SPACE	1	171	171	9	1539	0	0	0	0	0	0	0.9	-	5	0.06	18	YES	1.9	50	0	0	50
AH02	0012 Waiting	RECEPTION	1	262	262	9	2358	0	0	0	0	0	0	7.9	-	5	0.06	69	YES	7.9	310	0	290	310
AH02	0013 Exam#1	OFFICE SPACE	1	122	122	9	1098	0	0	0	0	0	0	0.6	-	5	0.06	13	YES	4.4	80	0	80	80
AH02	0014 Exam#2	OFFICE SPACE	1	122	122	9	1098	0	0	0	0	0	0	0.6	-	5	0.06	13	YES	4.4	80	0	80	80
AH03	0002 Reception	RESIDENT CORRIDOR	1	173	173	9	1557	NR	4	NR	NR	-	104	0	-	0	0	0	YES	4.6	120	120	0	23
AH03	0003 Coffee Bar	RESIDENT CORRIDOR	1	193	193	9	1737	NR	4	NR	NR	-	116	0	-	0	0	0	YES	7.6	220	0	0	42
AH03	0004 Ice Cream Parlor	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	382	382	9	3438	2	4	NR	NR	115	229	0	-	0	0	0	YES	5.2	300	300	0	58
AH03	0078 Rotunda	RESIDENT CORRIDOR	1	932	932	9	8388	NR	4	NR	NR	-	559	0	-	0	0	0	YES	4	560	550	230	107
AH04	0005 Library	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	355	355	9	3195	2	4	NR	NR	107	213	0	-	0	0	0	YES	5.4	290	0	0	68
AH04	0006 Admis Office	OFFICE SPACE	1	160	160	9	1440	0	0	0	0	0	0	0.8	-	5	0.06	17	YES	4.2	100	100	0	23
AH04	0007 Women's Toilet	TOILET/BATHING ROOM	1	42	42	9	378	NR	10	Negative	Yes	-	63	0	-	0	0	0	YES	14.3	20	0	90	5
AH04	0008 Men's Toilet	TOILET/BATHING ROOM	1	37	37	9	333	NR	10	Negative	Yes	-	56	0	-	0	0	0	YES	16.2	20	0	90	5
AH04	0009 Family Room	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	123	123	9	1107	2	4	NR	NR	37	74	0	-	0	0	0	YES	4.3	80	80	0	19
AH04	0015 Stor & 79C Cor	RESIDENT CORRIDOR	1	738	738	9	6642	NR	4	NR	NR	-	443	0	-	0	0	0	YES	6.7	690	740	0	161
AH05	0016 Physical Ther. top	PHYSICAL THERAPY	1	1617	1617	9	14553	2	6	Negative	NR	485	1455	0	-	0	0	0	NO	6	1450	930	630	452
AH05	0016A Occupational Ther	OFFICE SPACE	1	125	125	9	1125	0	0	0	0	0	0	0.6	-	5	0.06	13	YES	13.3	250	240	0	78
AH06	0016 Physical Ther. bot	PHYSICAL THERAPY	1	1190	1190	9	10710	2	6	Negative	NR	357	1071	0	-	0	0	0	YES	6.6	1180	820	300	319
AH06	0016B A.D.L. Bath	TOILET/BATHING ROOM	1	91	91	9	819	NR	10	Negative	Yes	-	137	0	-	0	0	0	YES	10.3	40	0	140	11
AH06	0016C Janitor	JANITOR	1	61	61	9	549	0	0	0	0	0	0	0	-	0	0	0	YES	6.6	0	0	60	0
AH06	0016D Sto.	NON-OCCUPIABLE SPACE	1	79	79	9	711	0	0	0	0	0	0	0	-	0	0	0	YES	2.5	30	30	0	8
AH06	0016E Speech Therapy	OFFICE SPACE	1	80	80	9	720	0	0	0	0	0	0	0.4	-	5	0.06	9	YES	19.2	230	230	0	62
AH07	0017 Recep. Cntrl. Pt.	OFFICE SPACE	1	187	187	9	1683	0	0	0	0	0	0	0.9	-	5	0.06	20	YES	4.3	120	0	0	67
AH07	0018 Concierge Lobby	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	256	256	9	2304	2	4	NR	NR	77	154	0	-	0	0	0	YES	4.2	160	0	0	90
AH07	0019 Living Room	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	315	315	9	2835	2	4	NR	NR	95	189	0	-	0	0	0	YES	4	190	0	0	107
AH07	0133 Corr. Concierge	RESIDENT CORRIDOR	1	314	314	9	2826	NR	4	NR	NR	-	188	0	-	0	0	0	YES	10	200	470	100	112
AH07	PVT BR Cons Tlt - (AH07)	TOILET/BATHING ROOM	4	66	264	9	594	NR	10	Negative	Yes	-	396	0	-	0	0	0	YES	10.1	400	0	400	224
AH08	0133 Corr. R	RESIDENT CORRIDOR	1	475	475	9	4275	NR	4	NR	NR	-	285	0	-	0	0	0	YES	5.6	290	400	0	174
AH08	0134 Corr. B	RESIDENT CORRIDOR	1	136	136	9	1224	NR	4	NR	NR	-	82	0	-	0	0	0	YES	5.4	110	0	0	66
AH08	PVT BR Cons - Tlt (AH08)	TOILET/BATHING ROOM	6	66	396	9	594	NR	10	Negative	Yes	-	594	0	-	0	0	0	YES	10.1	600	0	600	360
AH09	0133 Corr. L	RESIDENT CORRIDOR	1	542	542	9	4878	NR	4	NR	NR	-	325	0	-	0	0	0	YES	5	330	410	0	196
AH09	0134 Corr. T	RESIDENT CORRIDOR	1	132	132	9	1188	NR	4	NR	NR	-	79	0	-	0	0	0	YES	4	80	0	0	48
AH09	PVT BR Cons - Tlt (AH09)	TOILET/BATHING ROOM	6	66	396	9	594	NR	10	Negative	Yes	-	594	0	-	0	0	0	YES	10.1	600	0	600	356
AH10	0020/20A Living/Dining	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	1755	1755	9	15795	2	4	NR	NR	527	1053	0	-	0	0	0	YES	4.5	1180	600	600	590
AH10	0022 Stor	NON-OCCUPIABLE SPACE	1	48	48	9	432	0	0	0	0	0	0	0	-	0	0	0	YES	2.8	20	0	0	10
AH11	0023 Lift Stor	NON-OCCUPIABLE SPACE	1	122	122	9	1098	0	0	0	0	0	0	0	-	0	0	0	YES	1.6	30	30	0	16
AH11	0024 C.U./C.L	CLEAN UTILITY	1	133	133	9	1197	2	4	Positive	Yes	40	80	0	-	0	0	0	YES	4	80	0	0	43
AH11	0025 Jan.	JANITOR	1	48	48	9	432	0	0	0	0	0	0	0	-	0	0	0	YES	11.1	0	0	80	0
AH11	0026 Med. Prep.	OFFICE SPACE	1	153	153	9	1377	0	0	0	0	0	0	0.8	-	5	0.06	16	YES	4.4	100	0	0	54
AH11	0027 Nurses Station	OFFICE SPACE	1	150	150	9	1350	0	0	0	0	0	0	0.8	-	5	0.06	16	YES	5.3	120	0	0	65
AH11	0217 Corr. L	RESIDENT CORRIDOR	1	625	625	9	5625	NR	4	NR	NR	-	375	0	-	0	0	0	YES	5.1	400	480	140	216
AH11	PVT BR Std - Tlt (AH11)	TOILET/BATHING ROOM	2	59	118	9	531	NR	10	Negative	Yes	-	177	0	-	0	0	0	YES	10.2	180	0	180	97
AH11	PVT BR Std - Tlt (AH11)	TOILET/BATHING ROOM	2	59	118	9	531	NR	10	Negative	Yes	-	177	0	-	0	0	0	YES	10.2	180	0	180	97
AH12	0021 Nourishment Statio	FOOD PREPARATION	1	289	289	9	2601	2	10	NR	NR	87	434	0	-	0	0	0	YES	13.8	600	600	0	300
AH12	PVT BR Cons - Tlt (AH12)	TOILET/BATHING ROOM	6	66	396	9	594	NR	10	Negative	Yes	-	594	0	-	0	0	0	YES	10.1	600	0	600	300
AH13	0028 Toilet	TOILET/BATHING ROOM	1	72	72	9	648	NR	10	Negative	Yes	-	108	0	-	0	0	0	YES	10.2	20	0	110	11
AH13	0030 S.U/S.L.	SOILED UTILITY	1	166	166	9	1494	2	10	Negative	Yes	50	249	0	-	0	0	0	YES	10	150	0	250	86
AH13	0217 Corr. R	RESIDENT CORRIDOR	1	746	746	9	6714	NR	4	NR	NR	-	448	0	-	0	0	0	YES	4	450	260	0	259
AH13	0317 Corr. B	RESIDENT CORRIDOR	1	222	222	9	1998	NR	4	NR	NR	-	133	0	-	0	0	0	YES	4.2	140	140	0	80
AH13	PVT BR Std - Tlt (AH13)	TOILET/BATHING ROOM	2	59	118	9	531	NR	10	Negative	Yes	-	177	0	-	0	0	0	YES	10.2	180	0	180	103
AH14	0030 S.U/S.L.	SOILED UTILITY	1	166	166	9	1494	2	10	Negative	Yes	50	249	0	-	0	0	0	YES	10	100	0	250	79
AH14	0317 Corr. T	RESIDENT CORRIDOR	1	517	517	9	4653	NR	4	NR	NR	-	310	0	-	0	0	0	YES	4	310	160	0	246
AH14	PVT BR Std - Tlt (AH14)	TOILET/BATHING ROOM	4	59	236	9	531	NR	10	Negative	Yes	-	354	0	-	0	0	0	YES	10.2	360	0	360	285
AH15	0031 C.U./C.L	CLEAN UTILITY	1	163	163	9	1467	2	4	Positive	Yes	49	98	0	-	0	0	0	YES	4.1	100	0	0	60
AH15	0033 Equip. Stor.	NON-OCCUPIABLE SPACE	1	84	84	9	756	0	0	0	0	0	0	0	-	0	0	0	YES	1.6	20	20	0	12
AH15	0034 Tlt.	TOILET/BATHING ROOM	1	80	80	9	720	NR	10	Negative	Yes	-	120	0	-	0	0	0	YES	10	20	0	120	12
AH15	0037 Med. Prep.	OFFICE SPACE	1	194	194	9	1746	0	0	0	0	0	0	1	-	5	0.06	21	YES	4.1	120	0	0	72
AH15	0038 Nurses Station	OFFICE SPACE	1	148	148	9	1332	0	0	0	0	0	0	0.7	-	5	0.06	15	YES	4.5	100	100	0	60
AH15	0039 Janitor	JANITOR	1	48	48	9	432	0	0	0	0	0	0	0	-	0	0	0	YES	12.5	0	0	90	0
AH15	0429 Corr. L	RESIDENT CORRIDOR	1	357	357	9	3213	NR	4	NR	NR	-	214	0	-	0	0	0	YES	4.9	220	260	0	132
AH15	PVT BR Std - Tlt (AH15)	TOILET/BATHING ROOM	4	59	236	9	531	NR	10	Negative	Yes	-	354	0	-	0	0	0	YES	10.2	360	0	360	216
AH15	0035 IT	NON-OCCUPIABLE SPACE	1	86	86	9	774	0	0	0	0	0	0	0	-	0	0	0	YES	0.8	10	0	0	6
AH16	0040 Sitting Area	RESIDENT CORRIDOR	1	378	378	9	3402	NR	4	NR	NR	-	227	0	-	0	0	0	YES	9.7	230	550	0	105
AH16	0041 Central Sply.	NON-OCCUPIABLE SPACE	1	165	165	9	1485	0	0	0	0	0	0	0	-	0	0	0	YES	2	50	50	0	23
AH16	0042 Lift Stor.	NON-OCCUPIABLE SPACE	1	150	150	9	1350	0	0	0	0	0	0	0	-	0	0	0	YES	1.8	40	40	0	18
AH16	0617 Corr.	RESIDENT CORRIDOR	1	521	521	9	4689	NR	4	NR	NR	-	313	0	-	0	0	0	YES	4.1	320	0	0	146
AH16	PVT BR Std - Tlt (AH16)	TOILET/BATHING ROOM	6	59	354	9	531	NR	10	Negative	Yes	-	531	0	-	0	0	0	YES	10.2	540	0	540	247
AH17	PVT BR Std - Tlt (AH17)	TOILET/BATHING ROOM	4	59	236	9	531	NR	10	Negative	Yes	-	354	0	-	0	0	0	YES	10.2	360	0	360	198
AH17	0036 Day Room	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	489	489	9	4401	2	4	NR	NR	147	293	0	-	0	0	0	YES	6	440	360	80	242
AH18	0429 Corr. ML	RESIDENT CORRIDOR	1	225	225	9	2025	NR	4	NR	NR	-	135	0	-	0	0	0	YES	7.1	240	0	0	127
AH18	0429 Corr. MR	RESIDENT CORRIDOR	1	333	333	9	2997	NR	4	NR	NR	-	200	0	-	0	0	0	YES	9.6	0	480	0	0
AH18	0429 Corr. R	RESIDENT CORRIDOR	1	225	225	9	2025	NR	4	NR	NR	-	135	0	-	0	0	0	YES	7.1	240	0	0	127
AH18	PVT BR Std - Tlt (AH18)	TOILET/BATHING ROOM	6	59	354	9	531	NR	10	Negative	Yes	-	531	0	-	0	0	0	YES	10.2	540	0	540	286
AH19	0045 Men	TOILET/BATHING ROOM	1	65	65	9	585	NR	10	Negative	Yes	-	98	0	-	0	0	0	YES	10.3	20	0	100	15
AH19	0046 Women	TOILET/BATHING ROOM	1	65	65	9	585	NR	10	Negative	Yes	-	98	0	-	0	0	0	YES	10.3	20	0	100	15
AH19	0047 Central Sply.	NON-OCCUPIABLE SPACE	1	268	268	9	2412	0	0	0	0	0	0	0	-	0	0	0	YES	2	80	80	0	61
AH19	0521 Corr.	RESIDENT CORRIDOR	1	415	415	9	3735	NR	4	NR	NR	-	249	0	-	0	0	0	YES	4	250	90	0	192
AH19	PVT BR Std - Tlt (AH19)	TOILET/BATHING ROOM	4	59	236	9	531	NR	10	Negative	Yes	-	354	0	-	0	0	0	YES	10.2	360	0	360	276
AH20	0043 Staff Lounge	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	359	359	9	3231	2	4	NR	NR	108	215	0	-	0	0	0	YES	6.3	340	340	0	179
AH20	0044 Equip. Stor.	NON-OCCUPIABLE SPACE	1	114	114	9	1026	0	0	0	0	0	0	0	-	0	0	0	YES	2.3	40	40	0	21
AH20	0053A Jan- EA	JANITOR	1	20	20	9	180	0	0	0	0	0	0	0	-	0	0	0	YES	10	0	0	30	0
AH20	0053D Tlt- EA	TOILET/BATHING ROOM	1	56	56	9	504	NR	10	Negative	Yes	-	84	0	-	0	0	0	YES	10.7	0	0	90	0
AH20	0081 Corr.R	OFFICE SPACE	1	276	276	9	2484	0	0	0	0	0	0	1.4	-	5	0.06	29	YES	4.1	170	50	0	90
AH20	PVT BR Std - Tlt (AH20)	TOILET/BATHING ROOM	4	59	236	9	531	NR	10	Negative	Yes	-	354	0	-	0	0	0	YES	10.2	360	0	360	190
AH21	0048 Clean linen	CLEAN UTILITY	1	163	163	9	1467	2	4	Positive	Yes	49	98	0	-	0	0	0	YES	4.1	100	0	0	100
AH21	0048 Laundry	LAUNDRY (CENTRAL)	1	337	337	9	3033	2	10	Negative	Yes	101	506	0	-	0	0	0	YES	19.8	1000	0	860	1000
AH21	0048 Soil Linen	SOILED UTILITY	1	165	165	9	1485	2	10	Negative	Yes	50	248	0	-	0	0	0	YES	12.1	100	0	300	100
AH21	0048A Jan	JANITOR	1	25	25	9	225	0	0	0	0	0	0	0	-	0	0	0	YES	10.7	0	0	40	0
AH22	0049 Mech. Equip.	NON-OCCUPIABLE SPACE	1	298	298	9	2682	0	0	0	0	0	0	0	-	0	0	0	YES	4.5	200	200	0	0
AH22	0050 Oxy. Stor.	NON-OCCUPIABLE SPACE	1	93	93	9	837	0	0	0	0	0	0	0	-	0	0	0	YES	7.2	0	0	100	0
AH22	0051 Elec. Equip.	NON-OCCUPIABLE SPACE	1	216	216	9	1944	0	0	0	0	0	0	0	-	0	0	0	YES	7.7	250	250	0	0
AH22	0052 Em. Elec. Equip.	NON-OCCUPIABLE SPACE	1	186	186	9	1674	0	0	0	0	0	0	0	-	0	0	0	YES	5	140	140	0	0
AH22	0081 Corr.L	OFFICE SPACE	1	435	435	9	3915	0	0	0	0	0	0	2.2	-	5	0.06	46	YES	3.2	210	210	0	0
AH23	0054 S.U/S.L.	SOILED UTILITY	1	154	154	9	1386	2	10	Negative	Yes	46	231	0	-	0	0	0	YES	10.4	120	0	240	66
AH23	0055 Equip Sto.	NON-OCCUPIABLE SPACE	1	112	112	9	1008	0	0	0	0	0	0	0	-	0	0	0	YES	2.4	40	40	0	22
AH23	0056 C.U./C.L	CLEAN UTILITY	1	154	154	9	1386	2	4	Positive	Yes	46	92	0	-	0	0	0	YES	4.3	100	0	0	55
AH23	0059 Nurses Station	OFFICE SPACE	1	148	148	9	1332	0	0	0	0	0	0	0.7	-	5	0.06	15	YES	5.4	120	120	0	66
AH23	0060 Med Prep	OFFICE SPACE	1	153	153	9	1377	0	0	0	0	0	0	0.8	-	5	0.06	16	YES	4.4	100	0	0	55
AH23	0617 Corr. M	RESIDENT CORRIDOR	1	408	408	9	3672	NR	4	NR	NR	-	245	0	-	0	0	0	YES	5.4	250	330	0	138
AH23	PVT BR Std - Tlt (AH23)	TOILET/BATHING ROOM	4	59	236	9	531	NR	10	Negative	Yes	-	354	0	-	0	0	0	YES	10.2	360	0	360	198
AH24	0061 Janitor	JANITOR	1	48	48	9	432	0	0	0	0	0	0	0	-	0	0	0	YES	11.1	0	0	80	0
AH24	0063 Dining Room	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	1589	1589	9	14301	2	4	NR	NR	477	953	0	-	0	0	0	YES	5.4	980	1290	0	311
AH24	0065 Sto.	NON-OCCUPIABLE SPACE	1	36	36	9	324	0	0	0	0	0	0	0	-	0	0	0	YES	0	0	0	0	0
AH24	0617 Corr. T	RESIDENT CORRIDOR	1	677	677	9	6093	NR	4	NR	NR	-	406	0	-	0	0	0	YES	4	410	0	0	130
AH24	0837 Corr. R2	RESIDENT CORRIDOR	1	225	225	9	2025	NR	4	NR	NR	-	135	0	-	0	0	0	YES	4.7	140	0	160	44
AH24	PVT BR Std - Tlt (AH24)	TOILET/BATHING ROOM	4	59	236	9	531	NR	10	Negative	Yes	-	354	0	-	0	0	0	YES	10.2	360	0	360	114
AH25	0737 Corr. L1	RESIDENT CORRIDOR	1	80	80	9	720	NR	4	NR	NR	-	48	0	-	0	0	0	YES	8.3	0	0	100	0
AH25	0057 Toilet	TOILET/BATHING ROOM	1	73	73	9	657	NR	10	Negative	Yes	-	110	0	-	0	0	0	YES	10	20	0	110	8
AH25	0064 Nourishment Station	FOOD PREPARATION	1	242	242	9	2178	2	10	NR	NR	73	363	0	-	0	0	0	YES	19.3	700	700	0	292
AH25	0066 C.U./C.L	CLEAN UTILITY	1	193	193	9	1737	2	4	Positive	Yes	58	116	0	-	0	0	0	YES	4.1	120	0	0	50
AH25	0067 S.U/S.L.	SOILED UTILITY	1	192	192	9	1728	2	10	Negative	Yes	58	288	0	-	0	0	0	YES	10.1	140	0	290	58
AH25	0738 Corr. B	RESIDENT CORRIDOR	1	232	232	9	2088	NR	4	NR	NR	-	139	0	-	0	0	0	YES	4	140	0	0	58
AH25	0738 Corr. T	RESIDENT CORRIDOR	1	134	134	9	1206	NR	4	NR	NR	-	80	0	-	0	0	0	YES	4	80	0	0	33
AH26	0068 Day Room	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	483	483	9	4347	2	4	NR	NR	145	290	0	-	0	0	0	YES	6.1	440	360	80	242
AH26	PVT BR Std - Tlt (AH26)	TOILET/BATHING ROOM	4	59	236	9	531	NR	10	Negative	Yes	-	354	0	-	0	0	0	YES	10.2	360	0	360	198
AH27	0737 Corr. L2	RESIDENT CORRIDOR	1	193	193	9	1737	NR	4	NR	NR	-	116	0	-	0	0	0	YES	4.1	120	0	0	65
AH27	0737 Corr. L3	RESIDENT CORRIDOR	1	333	333	9	2997	NR	4	NR	NR	-	200	0	-	0	0	0	YES	9.2	200	460	0	108
AH27	0737 Corr. R1	RESIDENT CORRIDOR	1	225	225	9	2025	NR	4	NR	NR	-	135	0	-	0	0	0	YES	4.1	140	0	0	76
AH27	PVT BR Std - Tlt (AH27)	TOILET/BATHING ROOM	6	59	354	9	531	NR	10	Negative	Yes	-	531	0	-	0	0	0	YES	10.2	540	0	540	292
AH28	0837 Corr. L	RESIDENT CORRIDOR	1	420	420	9	3780	NR	4	NR	NR	-	252	0	-	0	0	0	YES	4.1	260	0	0	133
AH28	0837 Corr. M	RESIDENT CORRIDOR	1	333	333	9	2997	NR	4	NR	NR	-	200	0	-	0	0	0	YES	12	200	600	0	102
AH28	0837 Corr. R1	RESIDENT CORRIDOR	1	225	225	9	2025	NR	4	NR	NR	-	135	0	-	0	0	0	YES	4.1	140	0	0	72
AH28	PVT BR Std - Tlt (AH28)	TOILET/BATHING ROOM	7	59	413	9	531	NR	10	Negative	Yes	-	620	0	-	0	0	0	YES	10.2	630	0	630	323
AH29	0062 Day Room	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	483	483	9	4347	2	4	NR	NR	145	290	0	-	0	0	0	YES	6.5	470	470	0	269
AH29	PVT BR Std - Tlt (AH29)	TOILET/BATHING ROOM	7	59	413	9	531	NR	10	Negative	Yes	-	620	0	-	0	0	0	YES	10.2	630	0	630	361
AH30	0069 Conf. Room	OFFICE SPACE	1	245	245	9	2205	0	0	0	0	0	0	1.2	-	5	0.06	26	YES	2.7	100	100	0	59
AH30	0070 Cntrl. Pnt.	OFFICE SPACE	1	97	97	9	873	0	0	0	0	0	0	0.5	-	5	0.06	10	YES	2.1	30	0	0	18
AH30	0071 Janitor	JANITOR	1	71	71	9	639	0	0	0	0	0	0	0	-	0	0	0	YES	10.3	20	0	110	12
AH30	0072 Pruitt Univ	OFFICE SPACE	1	83	83	9	747	0	0	0	0	0	0	0.4	-	5	0.06	9	YES	5.6	70	0	0	42
AH30	0737 Corr. R2	RESIDENT CORRIDOR	1	188	188	9	1692	NR	4	NR	NR	-	113	0	-	0	0	0	YES	4.3	120	0	0	71
AH30	0737 Corr. R3	RESIDENT CORRIDOR	1	564	564	9	5076	NR	4	NR	NR	-	338	0	-	0	0	0	YES	5.6	340	470	0	202
AH30	PVT BR Std - Tlt (AH30)	TOILET/BATHING ROOM	8	59	472	9	531	NR	10	Negative	Yes	-	708	0	-	0	0	0	YES	10.2	720	0	720	427
AH31	0074 Spa	HAIR SALON	1	412	412	9	3708	NR	10	Negative	Yes	-	618	0	-	0	0	0	YES	10	620	0	100	342
AH31	0074A Tub Room	TOILET/BATHING ROOM	1	145	145	9	1305	NR	10	Negative	Yes	-	218	0	-	0	0	0	YES	10.1	0	0	220	0
AH31	0074B Shower Room	TOILET/BATHING ROOM	1	160	160	9	1440	NR	10	Negative	Yes	-	240	0	-	0	0	0	YES	10	0	0	240	0
AH31	0075 Toilet	TOILET/BATHING ROOM	1	60	60	9	540	NR	10	Negative	Yes	-	90	0	-	0	0	0	YES	10	0	0	90	0
AH31	0080 Corr.	RESIDENT CORRIDOR	1	687	687	9	6183	NR	4	NR	NR	-	412	0	-	0	0	0	YES	5.4	560	530	0	308
AH32	0076 Chapel	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	569	569	9	5121	2	4	NR	NR	171	341	0	-	0	0	0	YES	5.6	480	240	240	240
AH33	0073 Cubicle Office	OFFICE SPACE	1	1248	1248	9	11232	0	0	0	0	0	0	6.2	-	5	0.06	132	YES	6	1120	870	280	224
AH33	0073A DON Office	OFFICE SPACE	1	103	103	9	927	0	0	0	0	0	0	0.5	-	5	0.06	11	YES	6.5	100	70	0	20
AH33	0073B Admin Office	OFFICE SPACE	1	123	123	9	1107	0	0	0	0	0	0	0.6	-	5	0.06	13	YES	7	130	130	0	26
AH33	0073D Elect Equip	NON-OCCUPIABLE SPACE	1	52	52	9	468	0	0	0	0	0	0	0	-	0	0	0	YES	3.8	30	30	0	6
AH33	0073E Sto.	NON-OCCUPIABLE SPACE	1	33	33	9	297	0	0	0	0	0	0	0	-	0	0	0	YES	4	20	20	0	4
AH34	0077 Cinema	RESIDENT LIVING/ACTIVITY/MULTIUSE ASSEMBLY	1	720	720	9	6480	2	4	NR	NR	216	432	0	-	0	0	0	YES	4.6	500	250	250	250
Total			AREA TOTAL (SF)		42,028					ASHRAE 170 Tlt REQUIREMENT TOTAL (CFM)		4,262				NCMC Tlt REQUIREMENT TOTAL (CFM)		547		TOTAL (CFM)	35,860	18,330	17,630	17,536
																	Ez =	0.8						

BEDROOM VENTILATION REQUIREMENTS AND FULFILLMENT SCHEDULE

SPACE/ZONE								ASHRAE 170-2021 VENTILATION REQUIREMENTS						NCMC 2018 (NON-HEALTHCARE) VENTILATION REQUIREMENTS					VERIFICATION		DESIGN			
AHU SOURCE	ROOM DESCRIPTION	ROOM CLASSIFICATION	QUAN.	AREA (SF)	TOTAL AREA (SF)	CEILING HEIGHT (FT)	VOLUME (FT3)	OA (ACH)	TOTAL (ACH)	PRESSURE RELATIONSHIP	ALL ROOM AIR EXHAUSTED	OA (CFM)	TOTAL (CFM)	DEFAULT OCCUPANTS	OCCUPANT OVERRIDE	CFM PER PERSON	CFM PER SF	MIN. Tlt incl. Ez (CFM)	TOTAL ACH REQ. MET	DELIVERED TOTAL ACH	SA (CFM)	RA (CFM)	EA (CFM)	OA (CFM)
-	Typical PVT BR Consierge	RESIDENT ROOM	24	255	255	9	2295	2	2	NR	NR	77	77	0	-	0	0	0	YES	5.9	225	225	100	100
-	Typical PVT BR Std	RESIDENT ROOM	76	210	210	9	1890	2	2	NR	NR	63	63	0	-	0	0	0	YES	7.1	225	225	90	90

SUM OF ASHRAE AND NC CODE VENTILATION REQUIREMENTS (CFM)	11,445
OA PROVIDED (CFM)	17,536

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NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 10592 JAMES R. BENSON, III

09/25/2026

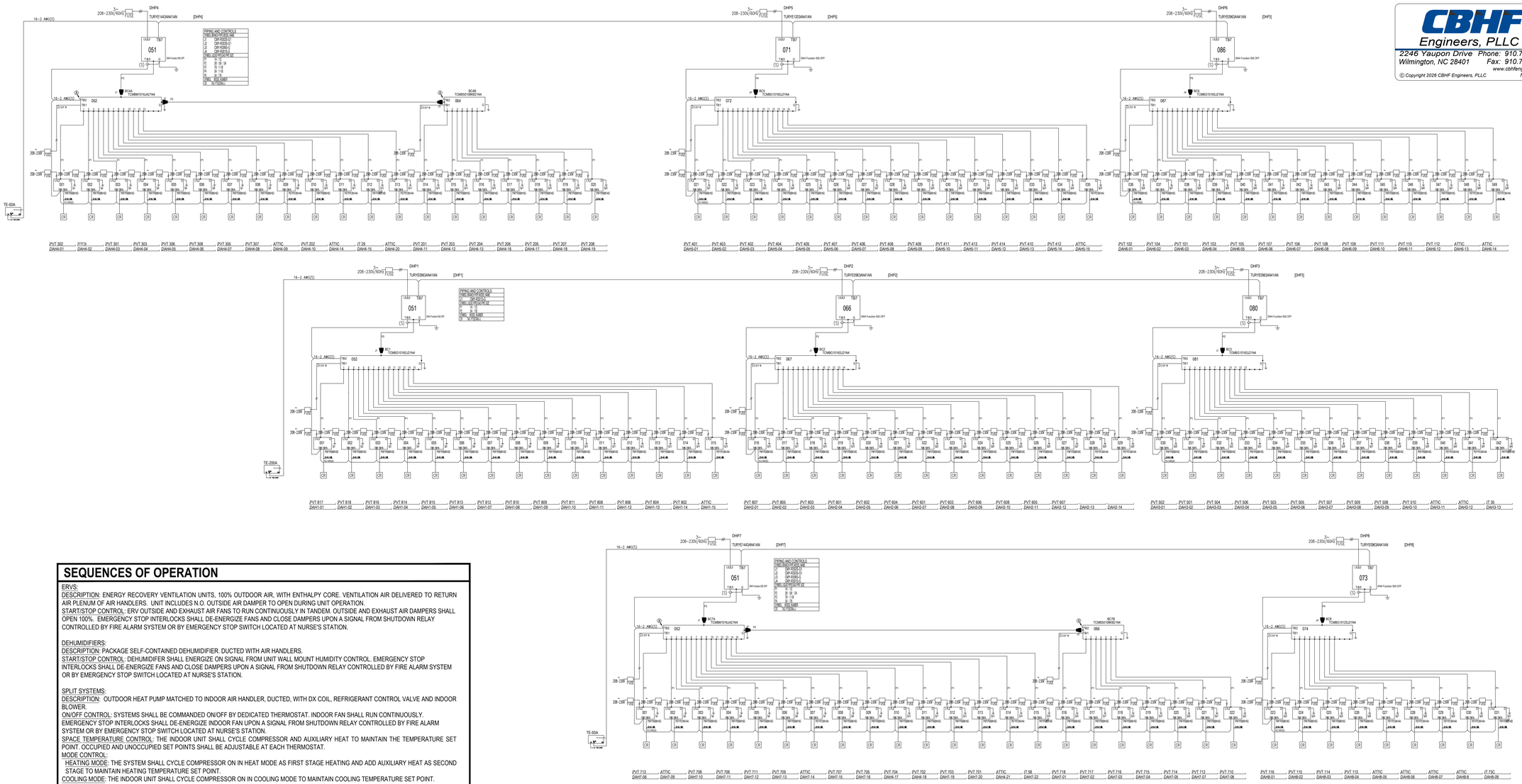
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VENTILATION REQUIREMENTS AND FULFILLMENT SCHEDULE

M0.9



SEQUENCES OF OPERATION

ERVS:

DESCRIPTION: ENERGY RECOVERY VENTILATION UNITS, 100% OUTDOOR AIR, WITH ENTHALPY CORE. VENTILATION AIR DELIVERED TO RETURN AIR PLENUM OF AIR HANDLERS. UNIT INCLUDES N.O. OUTSIDE AIR DAMPER TO OPEN DURING UNIT OPERATION.

START/STOP CONTROL: ERV OUTSIDE AND EXHAUST AIR FANS TO RUN CONTINUOUSLY IN TANDEM. OUTSIDE AND EXHAUST AIR DAMPERS SHALL OPEN 100%. EMERGENCY STOP INTERLOCKS SHALL DE-ENERGIZE FANS AND CLOSE DAMPERS UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR BY EMERGENCY STOP SWITCH LOCATED AT NURSE'S STATION.

DEHUMIDIFIERS:

DESCRIPTION: PACKAGE SELF-CONTAINED DEHUMIDIFIER. DUCTED WITH AIR HANDLERS.

START/STOP CONTROL: DEHUMIDIFER SHALL ENERGIZE ON SIGNAL FROM UNIT WALL MOUNT HUMIDITY CONTROL. EMERGENCY STOP INTERLOCKS SHALL DE-ENERGIZE FANS AND CLOSE DAMPERS UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR BY EMERGENCY STOP SWITCH LOCATED AT NURSE'S STATION.

SPLIT SYSTEMS:

DESCRIPTION: OUTDOOR HEAT PUMP MATCHED TO INDOOR AIR HANDLER, DUCTED, WITH DX COIL, REFRIGERANT CONTROL VALVE AND INDOOR BLOWER.

ON/OFF CONTROL: SYSTEMS SHALL BE COMMANDED ON/OFF BY DEDICATED THERMOSTAT. INDOOR FAN SHALL RUN CONTINUOUSLY. EMERGENCY STOP INTERLOCKS SHALL DE-ENERGIZE INDOOR FAN UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR BY EMERGENCY STOP SWITCH LOCATED AT NURSE'S STATION.

SPACE TEMPERATURE CONTROL: THE INDOOR UNIT SHALL CYCLE COMPRESSOR AND AUXILIARY HEAT TO MAINTAIN THE TEMPERATURE SET POINT. OCCUPIED AND UNOCCUPIED SET POINTS SHALL BE ADJUSTABLE AT EACH THERMOSTAT.

MODE CONTROL:

HEATING MODE: THE SYSTEM SHALL CYCLE COMPRESSOR ON IN HEAT MODE AS FIRST STAGE HEATING AND ADD AUXILIARY HEAT AS SECOND STAGE TO MAINTAIN HEATING TEMPERATURE SET POINT.

COOLING MODE: THE INDOOR UNIT SHALL CYCLE COMPRESSOR ON IN COOLING MODE TO MAINTAIN COOLING TEMPERATURE SET POINT.

AUTO MODE: THE SYSTEM SHALL CYCLE BETWEEN HEATING AND COOLING MODES AS REQUIRED TO MAINTAIN HEATING AND COOLING SETPOINTS.

VRF HEAT PUMPS:

INDOOR UNITS:

DESCRIPTION: VRF INDOOR AIR HANDLERS, DUCTLESS, WITH DX COIL, REFRIGERANT CONTROL VALVES AND INDOOR BLOWER.

ON/OFF CONTROL: INDOOR ROOM UNITS SHALL BE COMMANDED ON/OFF BY EACH REMOTE CONTROLLER. IF ALL INDOOR UNITS ARE OFF, THE OUTDOOR UNIT SHALL TURN OFF. DUCTED INDOOR UNIT FANS SHALL RUN CONTINUOUSLY.

SPACE TEMPERATURE CONTROL: THE INDOOR UNIT SHALL MODULATE ITS INTERNAL LINEAR EXPANSION VALVE (LEV) TO MAINTAIN THE TEMPERATURE SET POINT VIA THE INDOOR UNIT'S INTERNAL CONTROLS. OCCUPIED AND UNOCCUPIED SET POINTS SHALL BE ADJUSTABLE AT EACH REMOTE CONTROLLER. THE TEMPERATURE SET POINT MAY ALSO BE SCHEDULED AT EACH REMOTE CONTROLLER.

MODE CONTROL:

AUTO MODE:

1. THE INDOOR UNIT SHALL DETERMINE WHETHER IT SHOULD BE IN AUTO-HEAT MODE OR AUTO-COOL MODE BASED ON SPACE TEMPERATURE RELATIVE TO TEMPERATURE SET POINT. IF THE INDOOR UNIT IS IN AUTO HEAT MODE, THE INDOOR UNIT CONTROL BOARD SHALL FOLLOW THE HEAT MODE SEQUENCE. IF THE INDOOR UNIT IS IN AUTO COOL MODE, THE INDOOR UNIT CONTROL BOARD SHALL FOLLOW THE COOL MODE SEQUENCE. INDOOR FAN SHALL BE SET TO RUN CONTINUOUSLY IN ALL MODES OF OPERATION AND SHALL NOT SHUT OFF WHEN TEMPERATURE SET POINT IS SATISFIED.
2. THE INDOOR UNIT SHALL SWITCH FROM AUTO-HEAT TO AUTO-COOL WHEN THE SPACE TEMPERATURE RISES ABOVE AND REMAINS ABOVE THE TEMPERATURE SET POINT PLUS THE DEAD BAND FOR 3 MINUTES.
3. THE INDOOR UNIT WILL SWITCH FROM AUTO-COOL TO AUTO-HEAT WHEN THE SPACE TEMPERATURE DROPS BELOW AND REMAINS BELOW THE TEMPERATURE SET POINT MINUS THE DEAD BAND FOR 3 MINUTES.

HEATING MODE: THE INDOOR UNIT SHALL MODULATE ITS LINEAR EXPANSION VALVE (LEV) TO MAINTAIN TEMPERATURE SET POINT.

COOLING MODE: THE INDOOR UNIT SHALL MODULATE ITS LINEAR EXPANSION VALVE (LEV) TO MAINTAIN TEMPERATURE SET POINT.

FAN/VANE CONTROL: FAN SPEED AND VANE DIRECTION SHALL BE ADJUSTABLE BY THE USER AT THE REMOTE CONTROLLERS.

OUTDOOR UNITS:

DESCRIPTION: VRF HEAT RECOVERY (SIMULTANEOUS HEATING AND COOLING) HEAT PUMP WITH VARIABLE SPEED COMPRESSOR, DX HEAT EXCHANGERS, REFRIGERATION VALVES, PIPING, BRANCH CONTROLLERS AND INTEGRATED CONTROL SYSTEM TO ALLOW INDIVIDUAL TEMPERATURE CONTROL AT EACH CONNECTED INDOOR UNIT.

ON/OFF CONTROL: WHEN ANY INDOOR UNITS ARE ON, OUTDOOR UNIT SHALL TURN ON. IF ALL INDOOR UNITS ARE OFF, THE OUTDOOR UNIT SHALL TURN OFF.

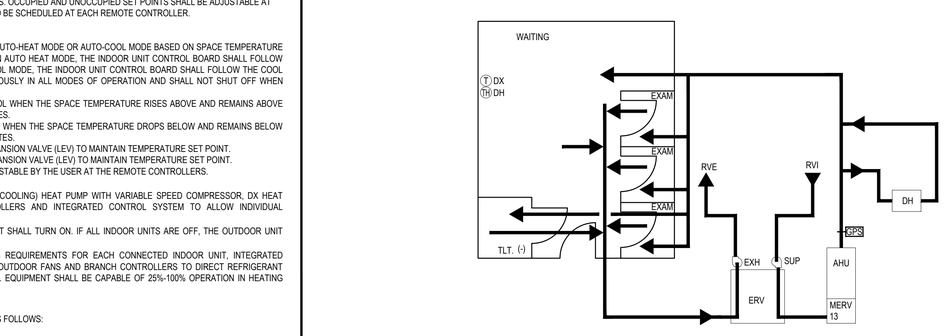
REFRIGERATION CONTROLS: BASED ON HEATING AND/OR COOLING REQUIREMENTS FOR EACH CONNECTED INDOOR UNIT, INTEGRATED FACTORY DDC CONTROLS SHALL SEQUENCE COMPRESSOR SPEED, OUTDOOR FANS AND BRANCH CONTROLLERS TO DIRECT REFRIGERANT FLOW AS NEEDED TO MEET INDOOR UNIT TEMPERATURE SETPOINTS. EQUIPMENT SHALL BE CAPABLE OF 25%-100% OPERATION IN HEATING MODE, COOLING MODE OR COMBINATION HEATING/COOLING MODES.

SETPOINTS : SPACE TEMPERATURE CONTROL SETPOINTS SHALL BE AS FOLLOWS:

1. OCCUPIED TEMPERATURE: 70-74°F, ADJUSTABLE.
2. UNOCCUPIED TEMPERATURE, HIGH LIMIT: 80°F, ADJUSTABLE.

UNOCCUPIED TEMPERATURE LOW LIMIT: 55°F, ADJUSTABLE.

1 -VRF PIPING / WIRING SCHEMATIC
NOT TO SCALE



2 -WAITING/EXAM SUITE SCHEMATIC
NOT TO SCALE AH02/ER02/DH1

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09/25/2026

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100 BED FACILITY
MECHANICAL
PIPING / WIRING / CONTROL DETAILS

M0.10

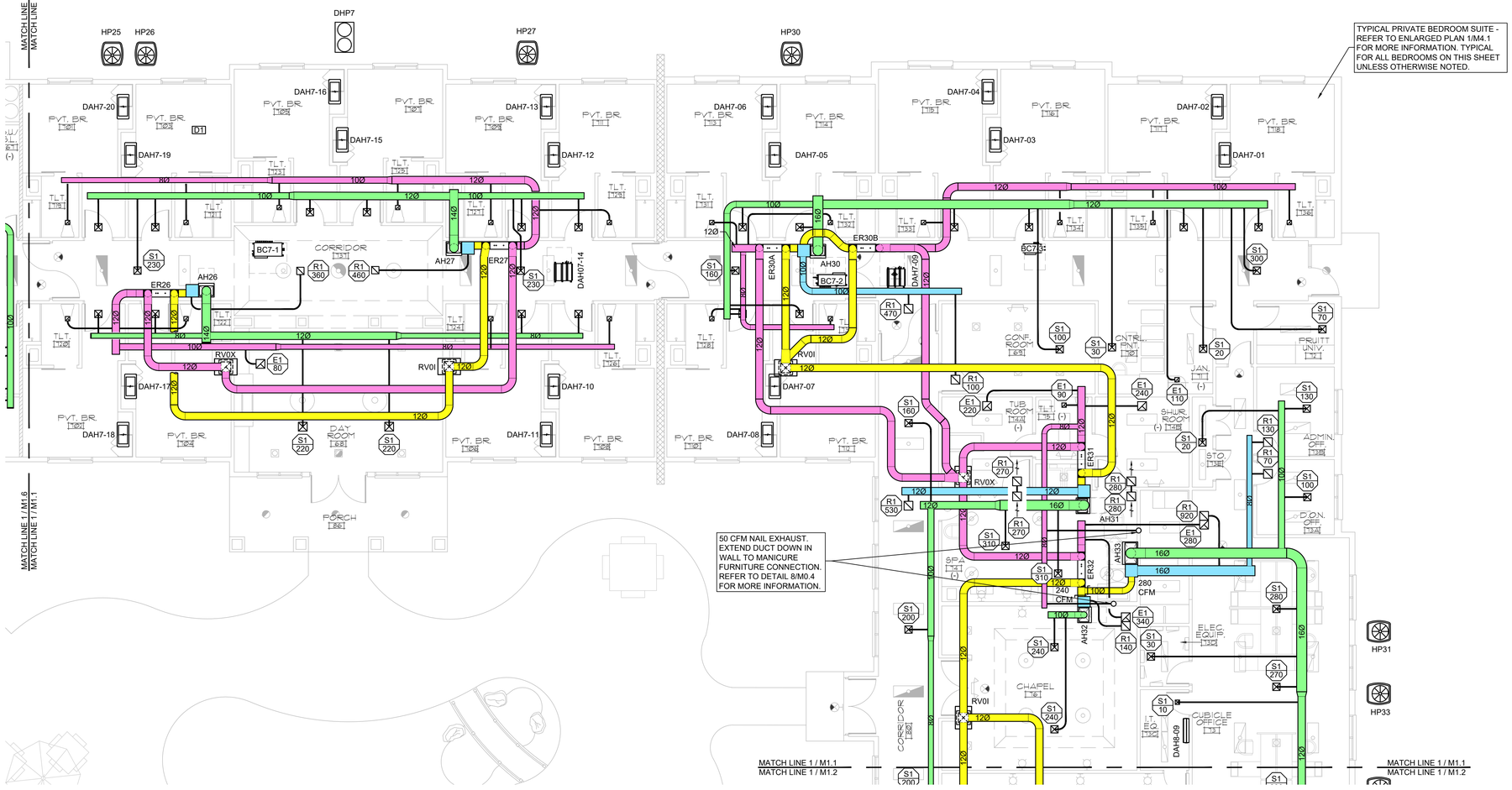
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MATCH LINE 1 / M1.6
MATCH LINE 1 / M1.1



1 PARTIAL HVAC PLAN

1/8" = 1'-0"

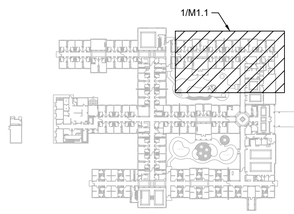
PLAN NORTH

HVAC GENERAL NOTES:

1. REFER TO DIFFUSERS, REGISTERS AND GRILLES SCHEDULES FOR BRANCH DUCT SIZES.
2. ALL BRANCH DUCTS INCLUDING EXHAUST, MAKE-UP, RETURN AND SUPPLY AIR SHALL INCLUDE MANUAL VOLUME DAMPERS. THE MANUAL VOLUME DAMPERS ARE OMITTED FROM PLAN FOR CLARITY.

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL



0 KEYPLAN

NOT TO SCALE

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100 BED FACILITY

MECHANICAL
PARTIAL HVAC PLAN

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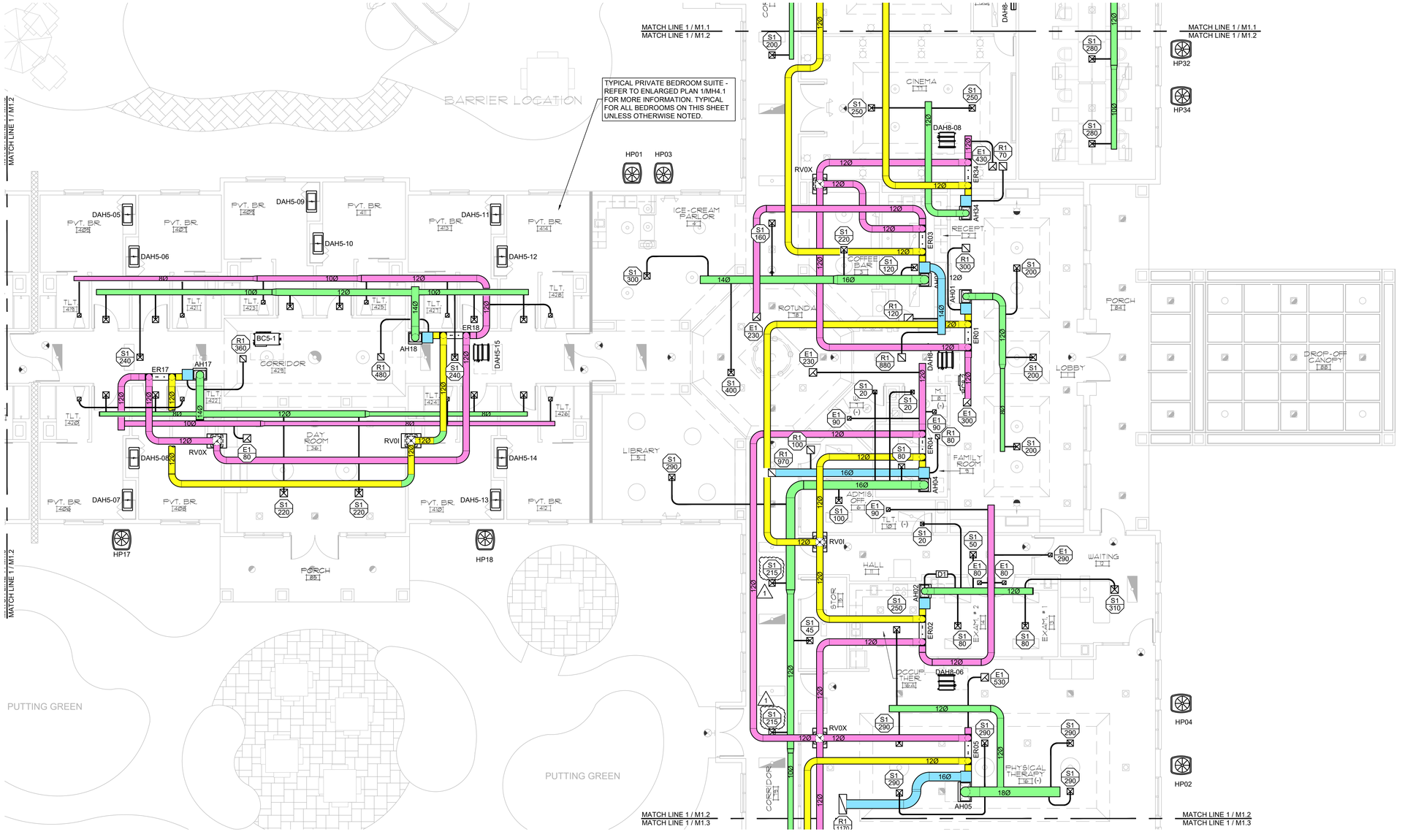
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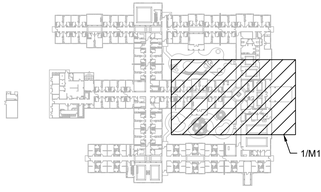


HVAC GENERAL NOTES:

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2. ALL BRANCH DUCTS INCLUDING EXHAUST, MAKE-UP, RETURN AND SUPPLY AIR SHALL INCLUDE MANUAL VOLUME DAMPERS. THE MANUAL VOLUME DAMPERS ARE OMITTED FROM PLAN FOR CLARITY.

1 **PARTIAL HVAC PLAN**
1/8" = 1'-0" 0 4' 8' 16'

PLAN NORTH



0 **KEYPLAN**
NOT TO SCALE

WALL TYPE LEGEND

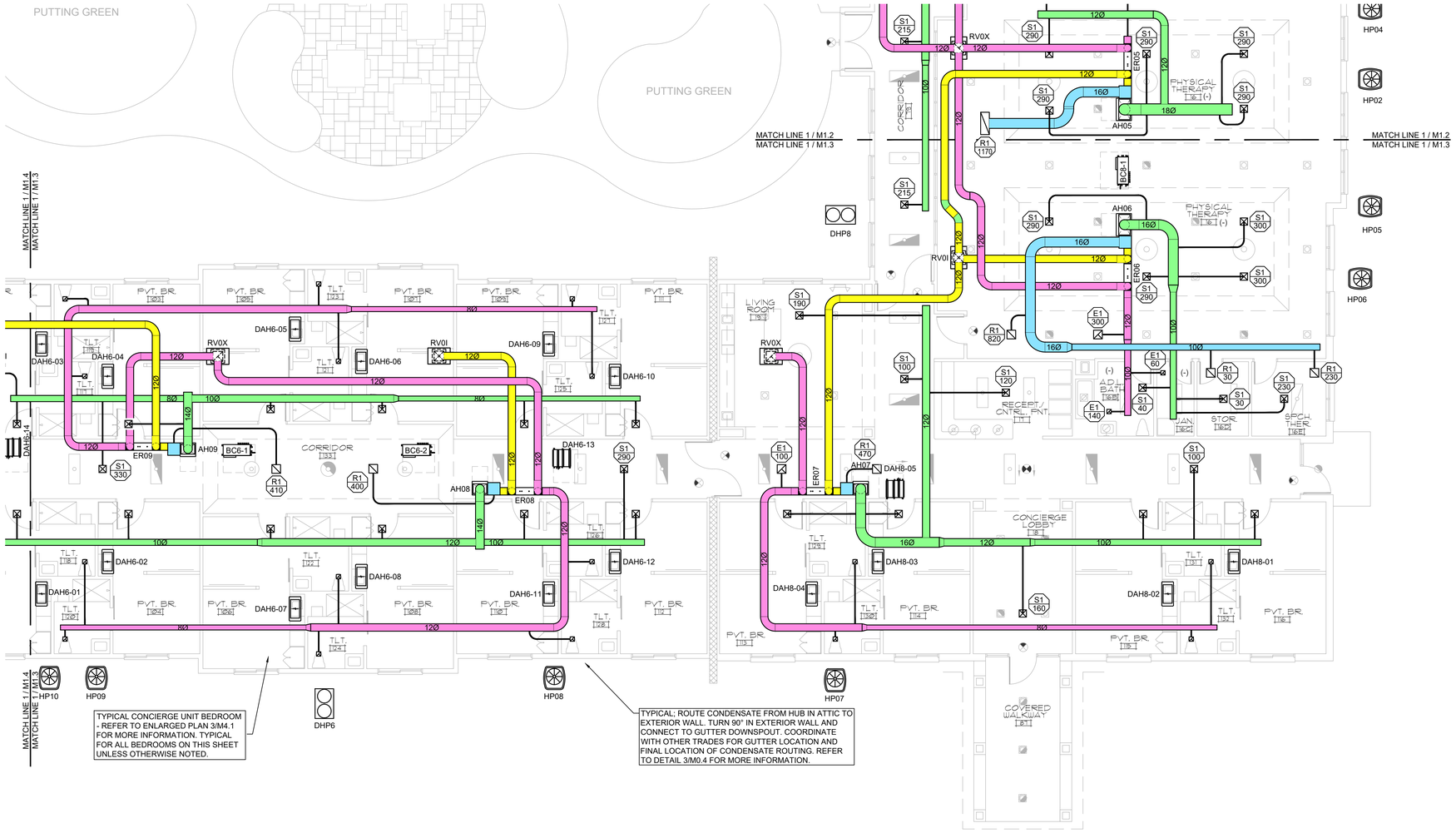
- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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MECHANICAL
PARTIAL HVAC PLAN

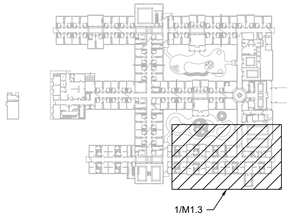
M1.2



1 **PARTIAL HVAC PLAN**
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

HVAC GENERAL NOTES:

1. REFER TO DIFFUSERS, REGISTERS AND GRILLES SCHEDULES FOR BRANCH DUCT SIZES.
2. ALL BRANCH DUCTS INCLUDING EXHAUST, MAKE-UP, RETURN AND SUPPLY AIR SHALL INCLUDE MANUAL VOLUME DAMPERS. THE MANUAL VOLUME DAMPERS ARE OMITTED FROM PLAN FOR CLARITY.



0 **KEYPLAN**
NOT TO SCALE

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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NORTH CAROLINA PROFESSIONAL SEAL 10592 ENGINEER JAMES BENSMAN

09/25/2026

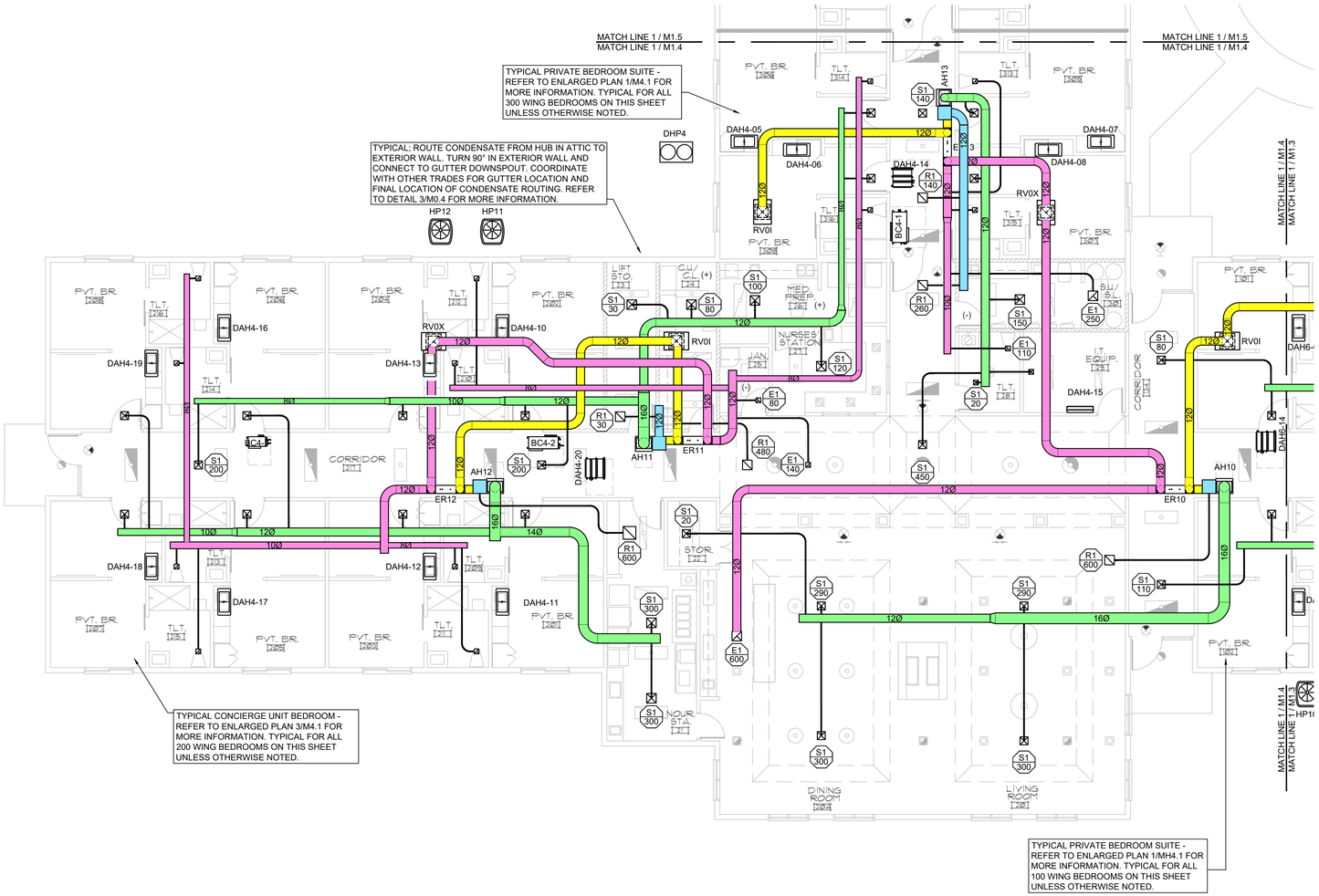
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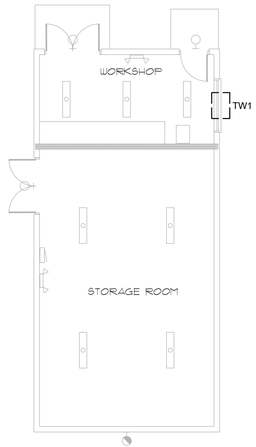
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Architecture Planning Design

100 BED FACILITY
MECHANICAL
PARTIAL HVAC PLAN

M1.3



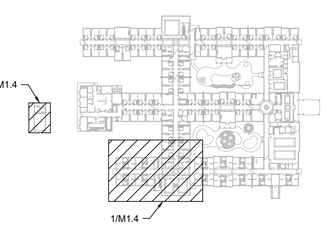
1 **PARTIAL HVAC PLAN**
1/8" = 1'-0"
PLAN NORTH



2 **PARTIAL HVAC PLAN - MAINTENANCE BUILDING**
1/8" = 1'-0"
PLAN NORTH

HVAC GENERAL NOTES:

1. REFER TO DIFFUSERS, REGISTERS AND GRILLES SCHEDULES FOR BRANCH DUCT SIZES.
2. ALL BRANCH DUCTS INCLUDING EXHAUST, MAKE-UP, RETURN AND SUPPLY AIR SHALL INCLUDE MANUAL VOLUME DAMPERS. THE MANUAL VOLUME DAMPERS ARE OMITTED FROM PLAN FOR CLARITY.



0 **KEYPLAN**
NOT TO SCALE

WALL TYPE LEGEND

- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

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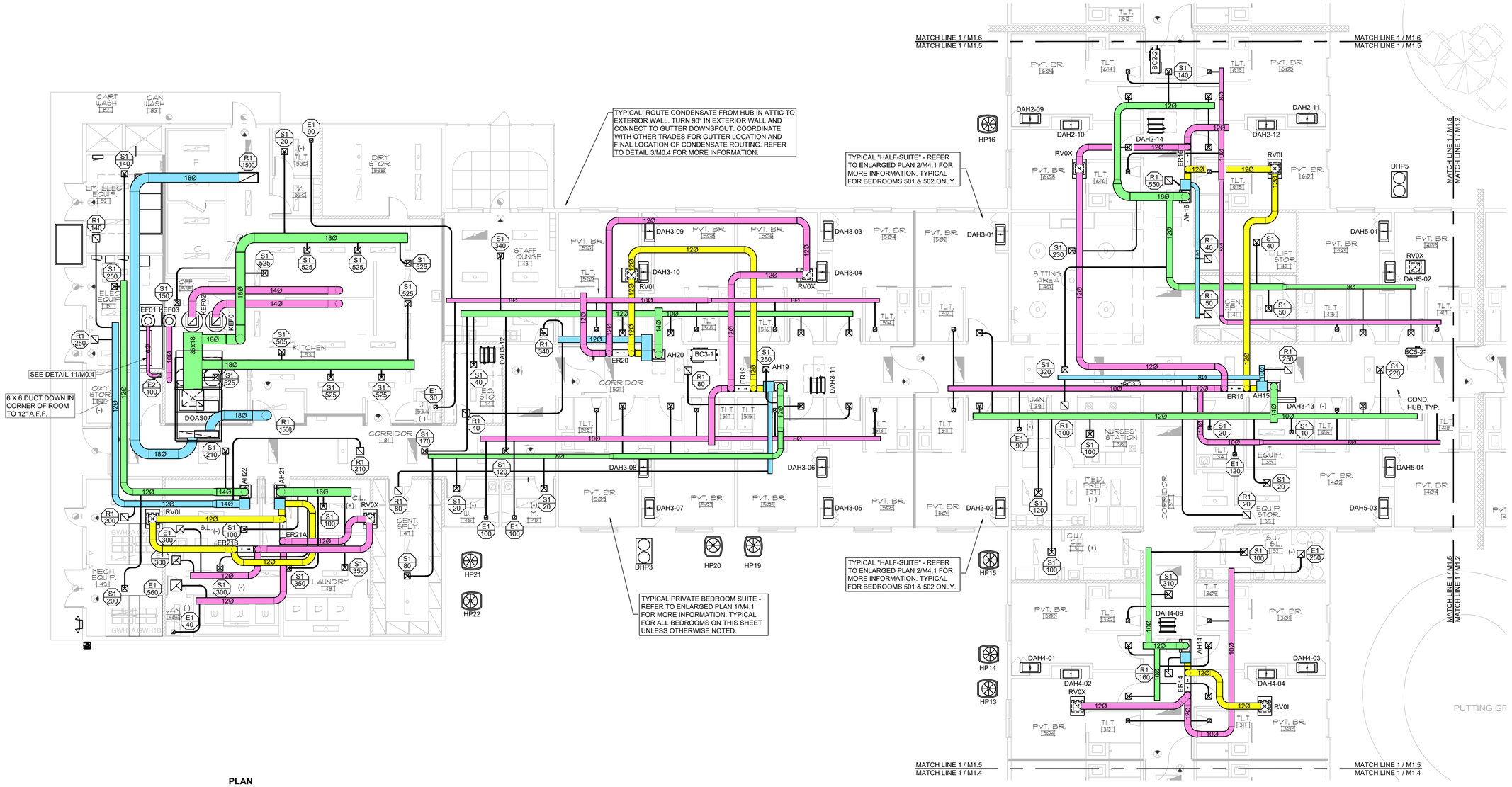
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100 BED FACILITY
MECHANICAL
PARTIAL HVAC PLANS

M1.4



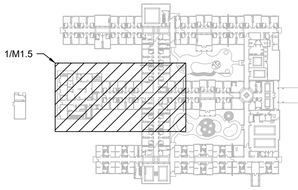
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1/8" = 1'-0"

PLAN NORTH

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WALL TYPE LEGEND

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- SMOKE RESISTANT WALL

0 KEYPLAN

NOT TO SCALE

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100 BED FACILITY
MECHANICAL
PARTIAL HVAC PLAN

M1.5

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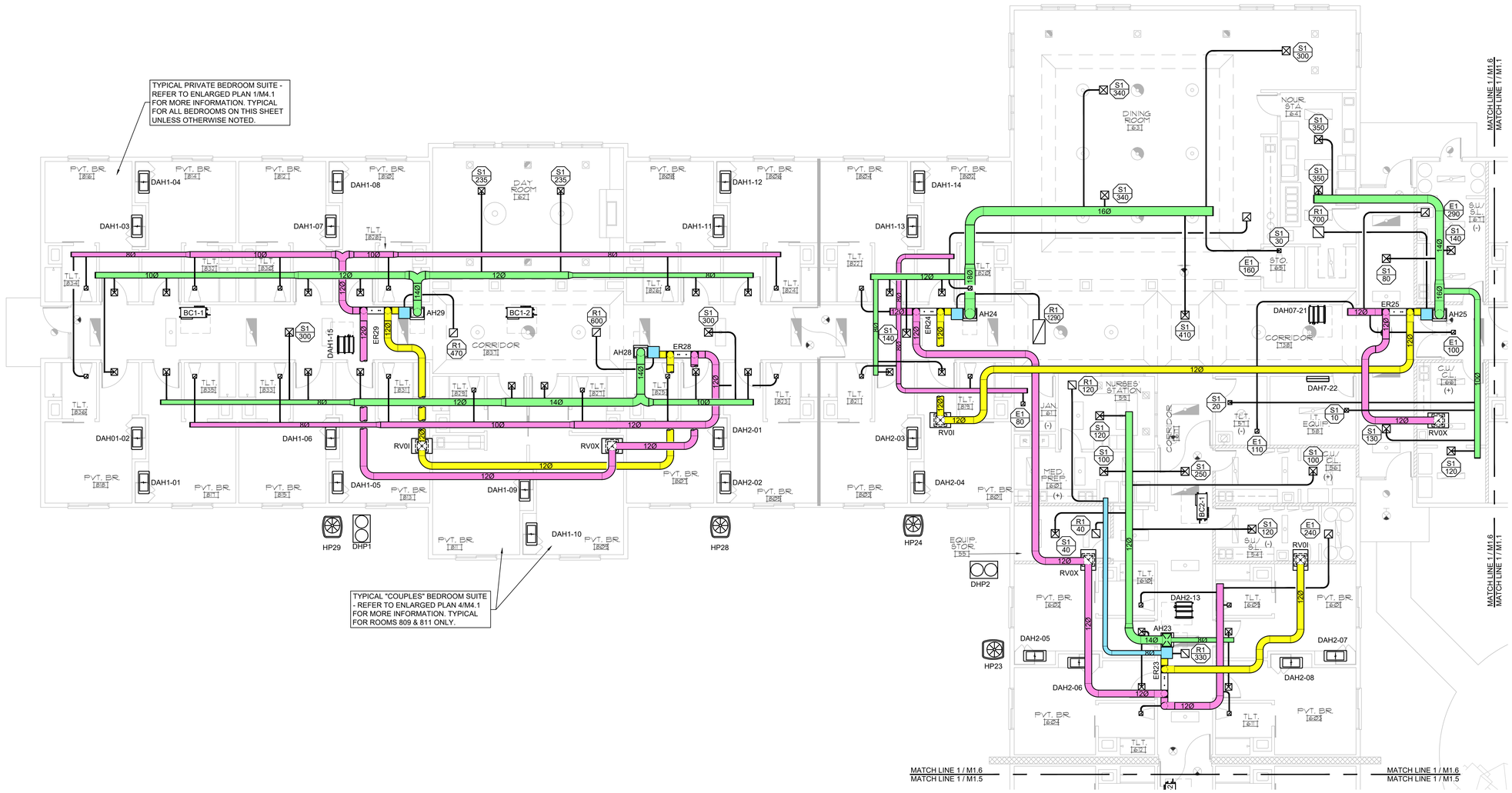
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100 BED FACILITY
MECHANICAL
PARTIAL HVAC PLAN

M1.6

TYPICAL PRIVATE BEDROOM SUITE - REFER TO ENLARGED PLAN 1/M4.1 FOR MORE INFORMATION. TYPICAL FOR ALL BEDROOMS ON THIS SHEET UNLESS OTHERWISE NOTED.

TYPICAL "COUPLES" BEDROOM SUITE - REFER TO ENLARGED PLAN 4/M4.1 FOR MORE INFORMATION. TYPICAL FOR ROOMS 809 & 811 ONLY.

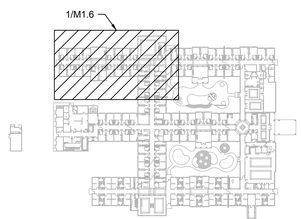


1 PARTIAL HVAC PLAN
1/8" = 1'-0"
0 4' 8' 16'

PLAN NORTH

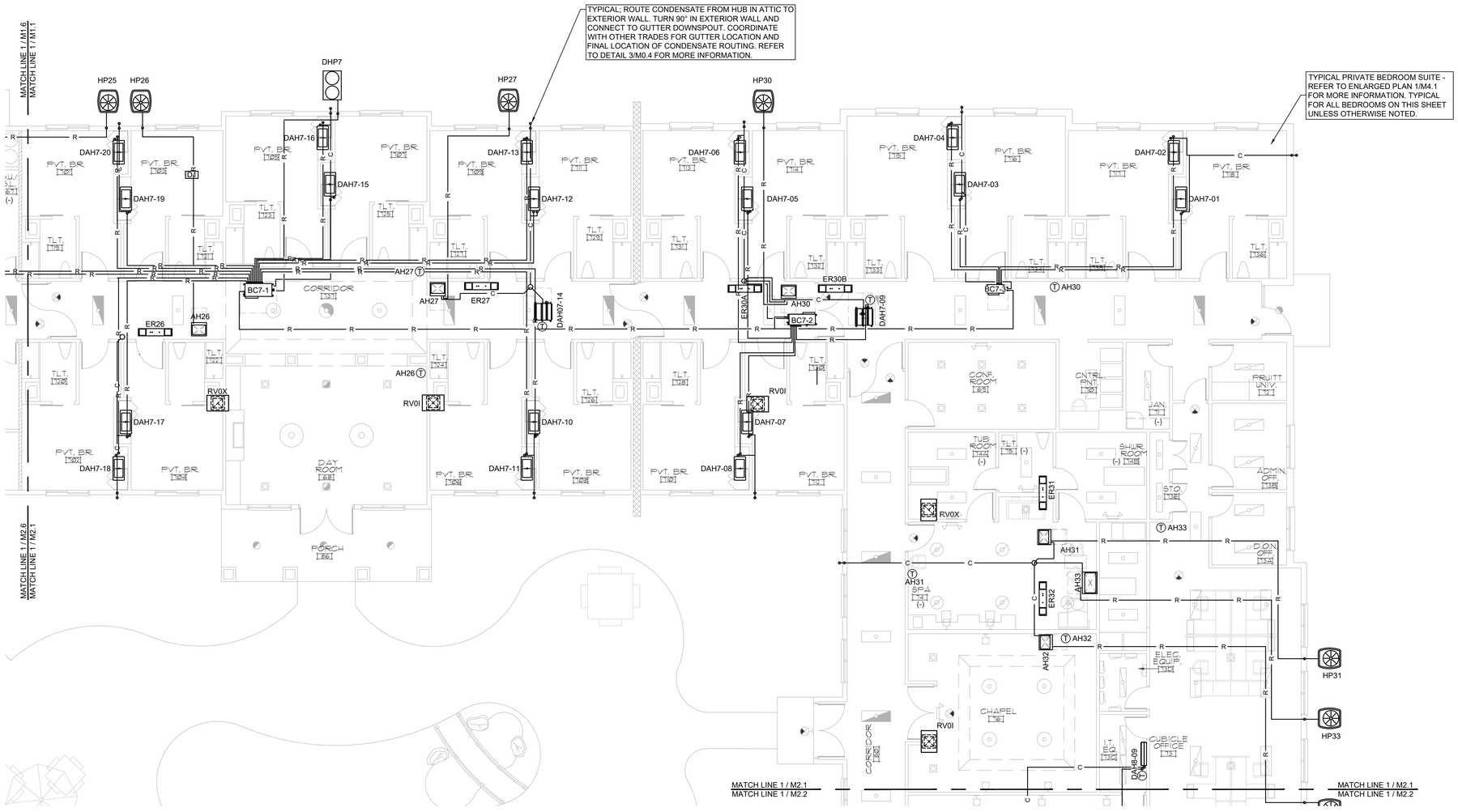
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WALL TYPE LEGEND
- 1 HOUR FIRE BARRIER WALL
- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
- SMOKE RESISTANT WALL

0 KEYPLAN
NOT TO SCALE



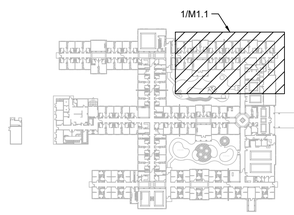
PARTIAL HVAC PLAN

1/8" = 1'-0"

PLAN NORTH

HVAC PIPING NOTES:

1. SIZE AND ARRANGE CONDENSATE PIPING PER MANUFACTURER RECOMMENDATIONS AND DETAILS SHEET M0.4.
2. SIZE AND INSTALL REFRIGERANT AND CONDENSATE DRAIN PIPING STRICTLY PER MANUFACTURER'S PROJECT SPECIFIC PIPING AND CONTROL SCHEMATICS (TO BE INCLUDED WITH EQUIPMENT SUBMITTAL PACKAGE).



KEYPLAN

NOT TO SCALE

WALL TYPE LEGEND

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- 1 HOUR FIRE/SMOKE BARRIER WALL
- 2 HOUR FIRE BARRIER WALL
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MECHANICAL
PARTIAL PIPING PLAN

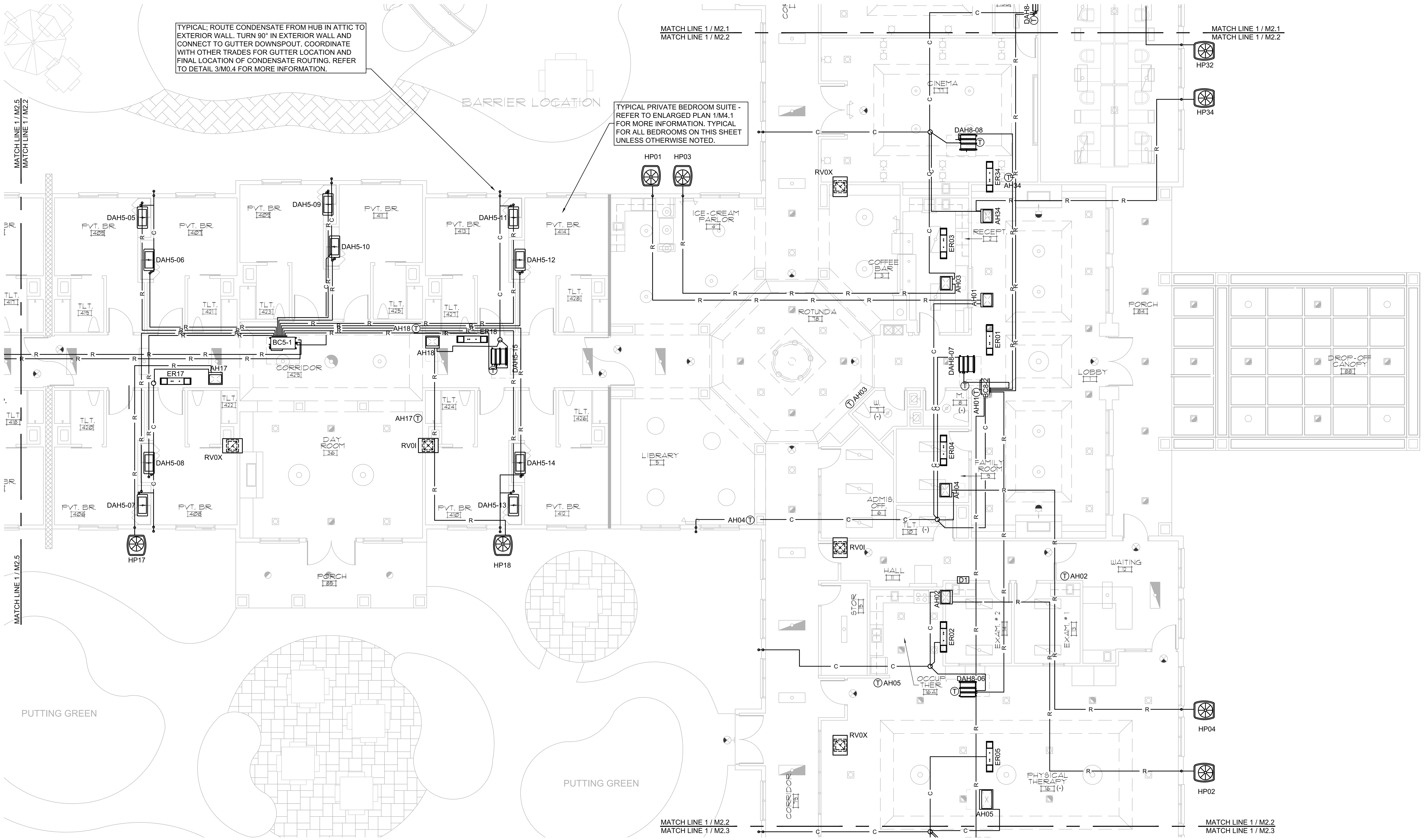
M2.1

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1 PARTIAL HVAC PLAN

1/8" = 1'-0"

0 4' 8' 16'

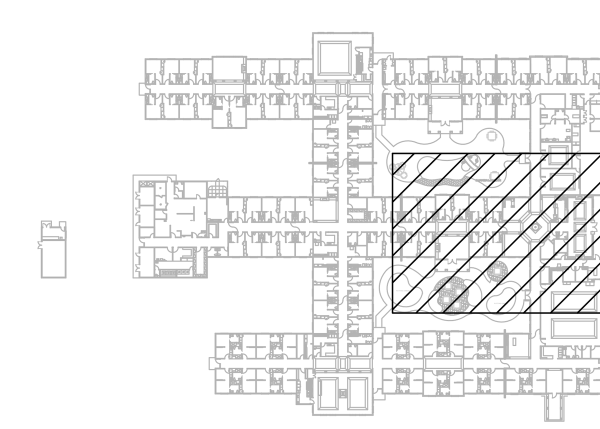
PLAN NORTH

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0 KEYPLAN

NOT TO SCALE

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100 BED FACILITY
MECHANICAL
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M2.2

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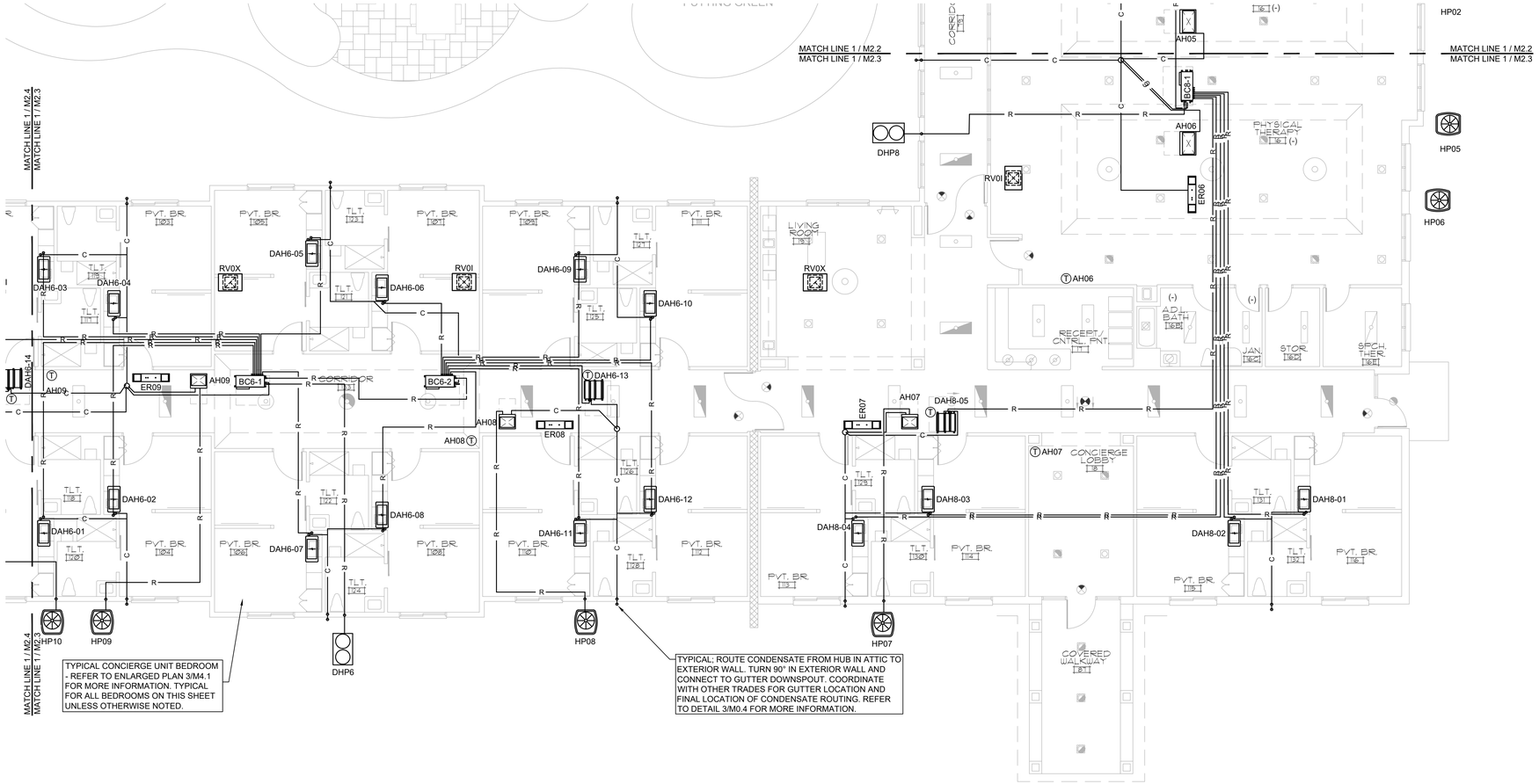
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100 BED FACILITY
MECHANICAL
PARTIAL PIPING PLAN

M2.3

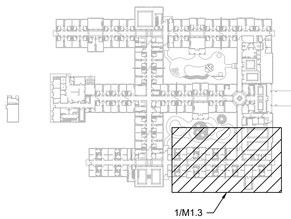


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1/8" = 1'-0"
0 4' 8' 16'

PLAN NORTH

HVAC PIPING NOTES:

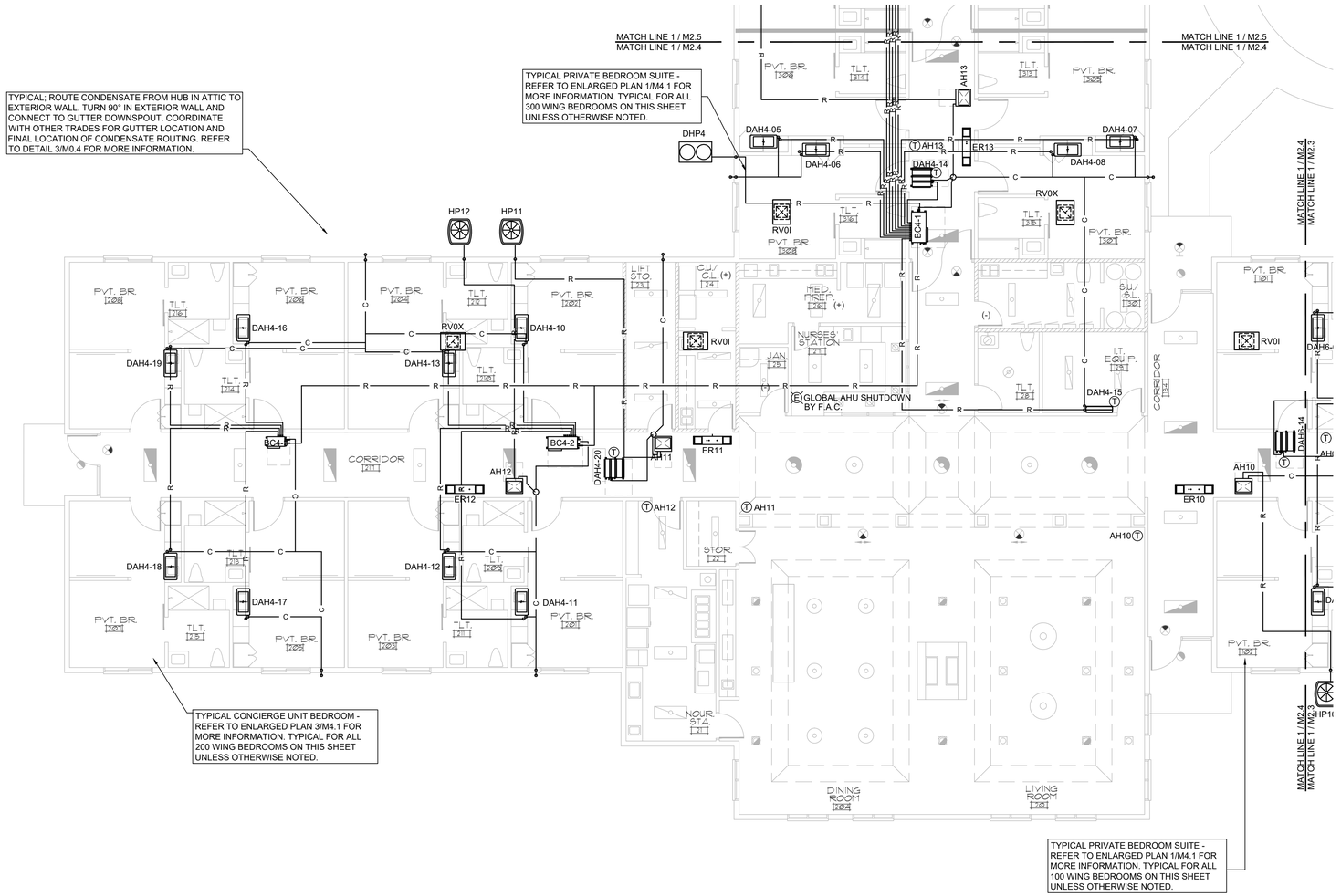
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NOT TO SCALE

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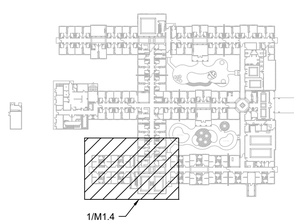
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NOT TO SCALE

WALL TYPE LEGEND

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100 BED FACILITY
MECHANICAL
PARTIAL PIPING PLANS

M2.4

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MECHANICAL
PARTIAL PIPING PLAN

M2.5

TYPICAL; ROUTE CONDENSATE FROM HUB IN ATTIC TO EXTERIOR WALL. TURN 90° IN EXTERIOR WALL AND CONNECT TO GUTTER DOWNSPOUT. COORDINATE WITH OTHER TRADES FOR GUTTER LOCATION AND FINAL LOCATION OF CONDENSATE ROUTING. REFER TO DETAIL 3/M0.4 FOR MORE INFORMATION.

TYPICAL "HALF-SUITE" - REFER TO ENLARGED PLAN 2/M4.1 FOR MORE INFORMATION. TYPICAL FOR BEDROOMS 501 & 502 ONLY.

TYPICAL PRIVATE BEDROOM SUITE - REFER TO ENLARGED PLAN 1/M4.1 FOR MORE INFORMATION. TYPICAL FOR ALL BEDROOMS ON THIS SHEET UNLESS OTHERWISE NOTED.

TYPICAL "HALF-SUITE" - REFER TO ENLARGED PLAN 2/M4.1 FOR MORE INFORMATION. TYPICAL FOR BEDROOMS 501 & 502 ONLY.

MATCH LINE 1 / M2.6
MATCH LINE 1 / M2.5

MATCH LINE 1 / M2.5
MATCH LINE 1 / M2.2

MATCH LINE 1 / M2.5
MATCH LINE 1 / M2.4

GLOBAL AHU SHUTDOWN BY F.A.C.

PUTTING GR

1 PARTIAL HVAC PLAN

1/8" = 1'-0" 0 4' 8' 16'

PLAN NORTH

HVAC PIPING NOTES:

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1/M1.5
2/M1.5

WALL TYPE LEGEND

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0 KEYPLAN

NOT TO SCALE

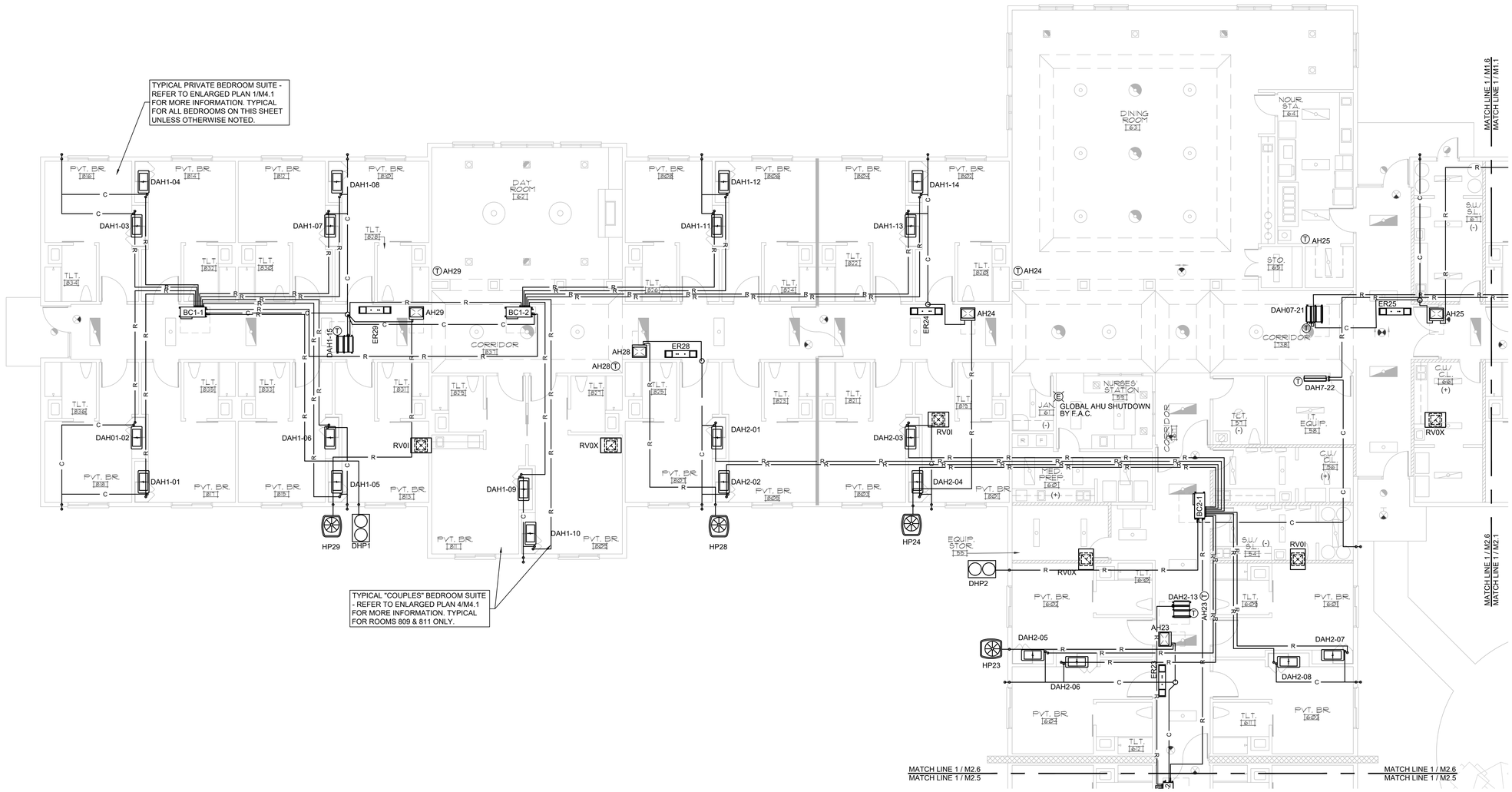
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TYPICAL PRIVATE BEDROOM SUITE - REFER TO ENLARGED PLAN 1/M4.1 FOR MORE INFORMATION. TYPICAL FOR ALL BEDROOMS ON THIS SHEET UNLESS OTHERWISE NOTED.

TYPICAL "COUPLES" BEDROOM SUITE - REFER TO ENLARGED PLAN 4/M4.1 FOR MORE INFORMATION. TYPICAL FOR ROOMS 809 & 811 ONLY.



1 PARTIAL HVAC PLAN

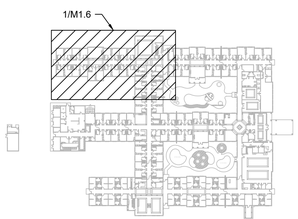
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0 KEYPLAN

NOT TO SCALE

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Winston-Salem, North Carolina

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MECHANICAL
PARTIAL PIPING PLAN

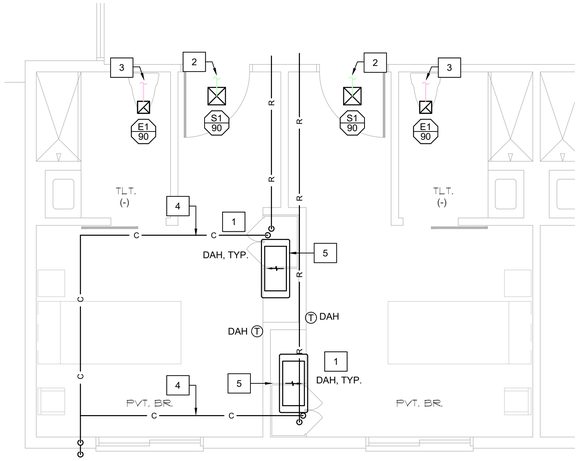
M2.6

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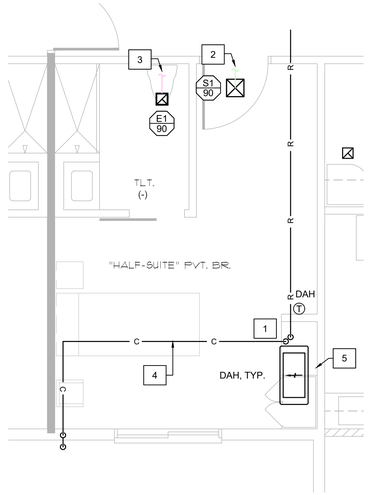
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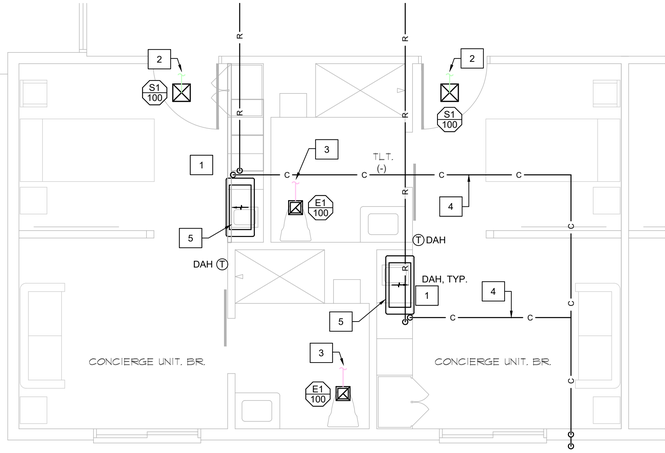
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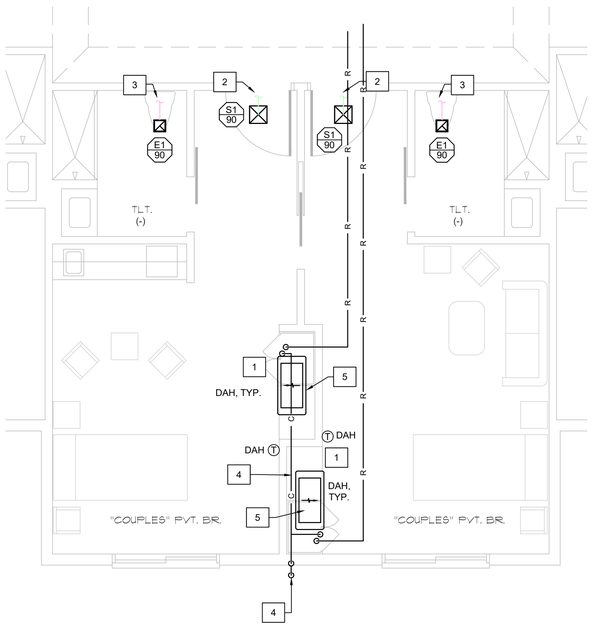
1 TYPICAL ENLARGED PLAN - PRIVATE BEDROOM SUITE
1/4" = 1'-0" 0 2' 4' 8'



2 TYPICAL ENLARGED PLAN - PRIVATE BEDROOM "HALF-SUITE"
1/4" = 1'-0" 0 2' 4' 8'



3 TYPICAL ENLARGED PLAN - CONCIERGE UNIT BEDROOM
1/4" = 1'-0" 0 2' 4' 8'



4 TYPICAL ENLARGED PLAN - "COUPLES" BEDROOM SUITE
1/4" = 1'-0" 0 2' 4' 8'

CONSTRUCTION KEYED NOTES

1. DUCTLESS AIR HANDLER DAH- EXTEND REFRIGERANT PIPING UP INTO ATTIC AND CONNECT TO BRANCH CONTROLLER.
2. SUPPLY AIR BRANCH DUCT ROUTED IN ATTIC. SEE MECHANICAL FLOOR PLANS FOR MORE INFORMATION.
3. EXHAUST AIR BRANCH DUCT ROUTED IN ATTIC. SEE MECHANICAL FLOOR PLANS FOR MORE INFORMATION.
4. ROUTE PUMPED CONDENSATE INTO ATTIC AND EXTEND TO OUTSIDE WALL. CONNECT TO SITE STORM DRAINAGE. COORDINATE ARRANGEMENT WITH ARCHITECTURAL AND CIVIL. REFER TO MP PLANS AND DETAIL 8/M0.4 FOR MORE INFORMATION.
5. INSTALL DAH IN DROPPED CEILING SPACE TO ALLOW MAINTENANCE ACCESS FROM BEDROOM. REFER TO DETAIL 8/M0.4 FOR MORE INFORMATION. COORDINATE WITH ARCHITECTURAL.

WALL TYPE LEGEND

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- 1 HOUR FIRE/SMOKE BARRIER WALL
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- SMOKE RESISTANT WALL

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100 BED FACILITY
MECHANICAL ENLARGED HVAC PLANS

M4.1