

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	HGD
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.

MECHANICAL NOTES

- 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.
- ALL PIPING PENETRATIONS THRU RATED PARTITIONS SHALL BE PER PENETRATION DETAILS. SEE ARCHITECTURAL SHEETS.
- ALL OUTSIDE AIR INTAKES SHALL BE LOCATED 25'-0" MIN. FROM ANY PLUMBING VENT TERMINAL.
- ALL ROOF MOUNTED EQUIPMENT, INTAKES, CAPS, ETC. SHALL BE LOCATED ON THE REAR FACE OF THE ROOF.
- PAINT ALL ROOF VENTILATORS IN COLOR TO MATCH ROOF.
- BRANCH DUCT CONNECTION TO DIFFUSER OR GRILLE MAY HAVE 6'-0" LONG MAX. FLEX DUCT CONNECTOR.
- ALL BRANCH DUCTS (S/A, R/A, O/A, E/A) SHALL HAVE BALANCING DAMPERS.
- ROOMS WITH POSITIVE OR NEGATIVE PRESSURE SHALL HAVE DOORS UNDERCUT BY 3/4". UNDERCUT SHALL NOT VOID RATING OF LABELED DOORS.
- MAINTAIN ATTIC CATWALKS CLEAR FOR MAINTENANCE ACCESS. ROUTE DUCTS AND PIPES CROSSING CATWALK UP AND OVER AS HIGH AS POSSIBLE.
- BALANCE ALL FAN AND AIR CONDITIONING SYSTEMS TO CFM'S INDICATED ON PLANS.
- SEE SPECS FOR PROCEDURE ON APPROVAL OF EQUIVALENT MATERIALS AND EQUIPMENT.
- 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.
- REFRIGERANT PIPING RUNS SHALL BE SIZED AND ARRANGED PER MFR'S RECOMMENDATIONS. PROVIDE ACCESSORIES AS RECOMMENDED.
- COORDINATE REGISTER/DIFFUSER LOCATIONS WITH LIGHTS, SMOKE DETECTORS ETC. ADJUST LOCATIONS AS REQUIRED.
- MECHANICAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION THAT ALL EQUIPMENT INSTALLED IN ATTIC CAN BE REMOVED THROUGH ACCESS OPENINGS PROVIDED IN ACCORDANCE WITH CODE.
- ALL ROOMS ARE NEUTRAL PRESSURE UNLESS OTHERWISE INDICATED.
- COORDINATE EXACT LOCATION OF THERMOSTATS AND SWITCHES WITH FINAL INTERIOR DESIGN AND FURNITURE LAYOUT.

MECHANICAL LEGEND

- ⓘ XX#

THERMOSTAT - EQUIPMENT SERVED;
MOUNT 48" AFF
- Ⓜ XX#

HUMIDITISTAT - EQUIPMENT SERVED;
MOUNT 48" AFF
- ⓔ

EMERGENCY STOP SWITCH;
MOUNT 48" AFF
- BRANCH DUCT CONNECTION. PROVIDE
VOLUME DAMPER IN S/A DUCT
- SUPPLY DUCT
- RETURN DUCT
- EXHAUST DUCT
- OUTSIDE AIR DUCT
- BRANCH DUCT; LIMIT FLEX RUN
TO 6'-0" MAX
- 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
- ABD

AUTO BACKDRAFT DAMPER
- GPS

GPS IONIZATION SYSTEM
- UV

DUCT MOUNT UV LIGHT
- PM

PRESSURE MONITOR

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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08/25/2025

ISSUED FOR
CONSTRUCTION
08-26-2025

PRUITT HEALTH
TOWN CENTER

Harrisburg, North Carolina

David R. Polston - Architect

3806 Park Ave. Suite C, Wilmington, NC 28403

Architecture Planning Design

517 BEDROOM ADDITION
/RENOVATION

MECHANICAL
ABBREVIATIONS, LEGENDS
AND NOTES

MO

.1

WALL TYPE LEGEND

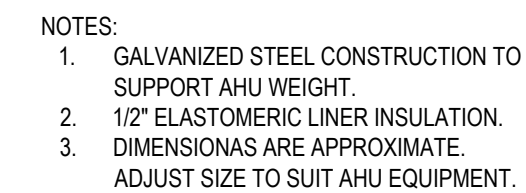
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VARIABLE REFRIGERANT FLOW HEAT PUMP INDOOR UNIT SCHEDULE

DRAWING CODE (INDOOR)	AREA SERVED	MODEL INDOOR UNIT (TRANE DESIGN BASIS)	UNIT DESCRIPTION	NOMINAL SIZE (MBH)	DRAWING CODE (ODU)	BRANCH CONTRO- LLER	INDOOR UNIT										WEIGHT (LBS)	NOTES	ACCESS- ORIES		
							FAN		COOLING CAP				HEATING CAP		ELECTRICAL						
							SA (CFM)	TOTAL (MBH)	SENS (MBH)	EAT (*Fdb)	(*Fwb)	TOTAL (MBH)	EAT (*Fdb)	VOLTAGE (V/PH/Hz)	MCA (AMPS)	MOCP (AMPS)					
AH01A-01	601 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-02	603 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-03	605 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-04	607 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-05	609 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-06	611 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-07	602 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-08	604 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-09	606 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-10	608 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-11	610 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-12	612 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP01A	BC01A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH01A-13	600 WING	TPVFYP030AM141A	Multi-Position Air Handler	30,000	HP01A	BC01A	600	26,619	18,363	75.0	65.0	22,088	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH01A-14	600 WING	TPVFYP030AM141A	Multi-Position Air Handler	30,000	HP01A	BC01A	860	26,619	18,363	75.0	65.0	22,088	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH02A-01	701 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-02	703 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-03	705 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-04	707 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-05	709 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-06	711 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-07	702 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-08	704 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-09	706 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-10	708 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-11	710 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-12	712 PVT	TPMFYP006BM140G	Ceiling Cassette (One-Way)	6,000	HP02A	BC02A	300	5,324	4,225	75.0	65.0	4,353	72.0	208/160	0.3	15	1,2,3,5	A,B			
AH02A-13	700 WING	TPVFYP030AM141A	Multi-Position Air Handler	30,000	HP02A	BC02A	860	26,619	18,363	75.0	65.0	22,088	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH02A-14	700 WING	TPVFYP036AM141A	Multi-Position Air Handler	36,000	HP02A	BC02A	980	28,763	20,593	75.0	65.0	23,445	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH02A-15	38 CORR	TPVFYP036AM141A	Multi-Position Air Handler	36,000	HP02A	BC02A	1,060	28,763	20,593	75.0	65.0	23,445	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH03A-01	19 PT	TPVFYP036AM141A	Multi-Position Air Handler	36,000	HP03A	BC03A	1,060	28,763	20,593	75.0	65.0	23,445	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH03A-02	19 PT	TPVFYP036AM141A	Multi-Position Air Handler	36,000	HP03A	BC03A	1,010	28,763	20,593	75.0	65.0	23,445	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH03A-03	12 RECEPT	TPVFYP024AM141A	Multi-Position Air Handler	24,000	HP03A	BC03A	630	18,380	13,378	75.0	65.0	14,409	72.0	208/160	3.0	15	1,2,3,4	A,B,C,D			
AH03A-04	18 SPA	TPVFYP036AM141A	Multi-Position Air Handler	36,000	HP03A	BC03A	630	28,763	20,593	75.0	65.0	23,445	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH04A-01	20 CONCIERGE	TPVFYP054AM141A	Multi-Position Air Handler	54,000	HP04A	BC04A	1,210	47,229	30,892	75.0	65.0	39,545	72.0	208/160	5.6	15	1,2,3,4	A,B,C,D			
AH04A-02	21 NOUR	TPVFYP024AM141A	Multi-Position Air Handler	24,000	HP04A	BC04A	730	18,380	13,378	75.0	65.0	14,409	72.0	208/160	3.0	15	1,2,3,4	A,B,C,D			
AH04A-03	29 NURSE	TPVFYP036AM141A	Multi-Position Air Handler	36,000	HP04A	BC04A	890	28,763	20,593	75.0	65.0	23,445	72.0	208/160	4.1	15	1,2,3,4	A,B,C,D			
AH04A-04	24 IT	TPKFYP012LM140B	Wall - Mounted	12,000	HP04A	BC04A	300	9,190	6,239	75.0	65.0	7,205	72.0	208/160	0.2	15	1,2,3,5	A,B			
NOTES:																					
1. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.																					
2. COMPLETE SYSTEM DESIGN SHALL BE APPROVED BY MANUFACTURER AND ENGINEER.																					
3. FACTORY STARTUP AND COMMISSIONING REQUIRED.																					
4. DE-ENERGIZE FANS UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR EMERGENCY STOP SWITCH.																					
5. RECIRCULATING ROOM UNIT TO INCLUDE MANUFACTURER RECOMMENDED FILTER PER ASHRAE 170 9.1a5.																					
ACCESSORIES:																					
A. WIRED WALL-MOUNTED REMOTE CONTROLLER AND BMS CENTRAL CONTROLLER w/ MATCHED UPS BACKUP POWER SUPPLY.																					
B. INTERNAL CONDENSATE OVERFLOW SWITCH AND AUXILIARY DRAIN PAN FLOAT SWITCH TO SHUTDOWN IDU.																					
C. MERV 13 FILTER w/ DIFF. PRESSURE GAUGE FOR INDOOR UNIT, SEE DETAIL 9M0.4.																					
D. GPS -FC24-AC NEEDLEPOINT IONIZATION SYSTEM IN SUPPLY DUCT. INCLUDE 24V POWER SUPPLY AS REQUIRED.																					
E. ROOM OCCUPANCY SENSOR INTERLOCKED TO STOP ERV IF ROOM IS UNOCCUPIED. COORDINATE WITH ELECTRICAL CONTRACTOR.																					

SPLIT SYSTEM SCHEDULE

DRAWING CODE (IDU/ODU)	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL (IDU/ODU)	SYSTEM TYPE	COOLING (AHRI STANDARD)			INDOOR UNIT				ELECTRICAL						REFRIGERANT PIPING		WEIGHT (LBS.)		NOTES	ACCESSORIES		
				TOTAL (T/MH)	SENSIBLE (M/BH)	EFFICIENCY	SUPPLY AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	ESP (IN. WG.)	AUX HEAT CAP (KW)	INDOOR UNIT			OUTDOOR UNIT			MAXIMUM LENGTH (FT.)	MAXIMUM HEIGHT DIFFERENTIAL (FT.)	INDOOR UNIT	OUTDOOR UNIT				
											(V/PH+HZ)	(MCA)	(MOCP)	(V/PH+HZ)	(MCA)	(MOCP)								
AH11 / HP11	TRANE	GAM5A0A30 / 4TWR4030	HEAT PUMP	29.2	21.2	SEER	14.6	1120	NOTE 3	0.5	5.7	208/160		27.0	40	208/160	17.0	25	70	30	132	216	1,2	A,B,C,D
AH13 / HP13	TRANE	GAM5A0A60 / 4TWA04060	HEAT PUMP	57.0	42.6	EER	12.0	1800	NOTE 3	0.5	7.2	208/360		34.0	35	208/360	21.0	35	70	30	170	248	1,2	A,B,C,D
AH14 / HP14	TRANE	GAM5A0A48 / 4TWA04048	HEAT PUMP	47.7	34.6	EER	12.0	1500	NOTE 3	0.5	7.2	208/360		32.0	35	208/360	18.0	30	70	30	166	218	1,2	A,B,C,D
AH15 / HP15	TRANE	GAM5A0A42 / 4TWA04042	HEAT PUMP	42.5	31.1	EER	12.0	1260	NOTE 3	0.5	7.2	208/360		30.0	30	208/360	18.0	30	70	30	153	208	1,2	A,B,C,D
NOTES:																								
1. REFER TO SPECIFICATIONS DIVISION 17000 FOR FURTHER INFORMATION.																								
2. REFER TO DRAWINGS FOR OUTSIDE AIRFLOW.																								
3. EMERGENCY STOP INTERLOCKS SHALL DE-ENERGIZE AH FANS UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR BY EMERGENCY STOP SWITCH LOCATED AT NURSE'S STATIONS.																								
ACCESSORIES:																								
A. ELECTRIC HEATER AS SCHEDULED WITH SINGLE POINT POWER CONNECTION.																								
B. MATCHING AUTOCHANGEOVER HEAT-COOL PROGRAMMABLE THERMOSTAT with AUX HEAT LOCKOUT ON OA TEMP																								
C. OUTDOOR UNIT CONCRETE MOUNTING PAD																								
D. GPS -FC24-AC NEEDLEPOINT IONIZATION SYSTEM IN SUPPLY DUCT. INCLUDE 24V POWER SUPPLY AS REQUIRED.																								



5 - FILTER/AHU SUPPORT PLENUM DETAIL
NOT TO SCALE



WALL TYPE LEGEND

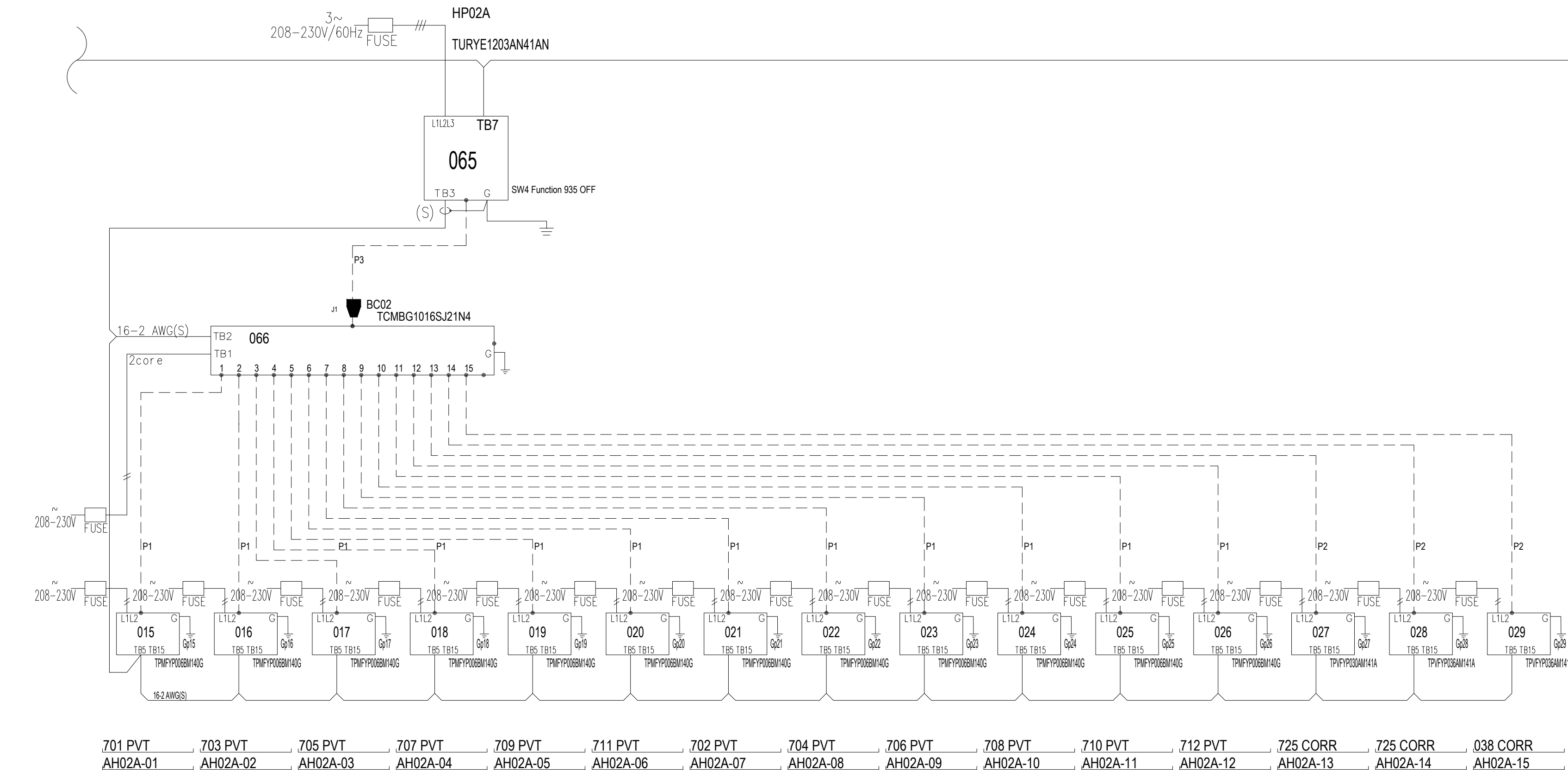
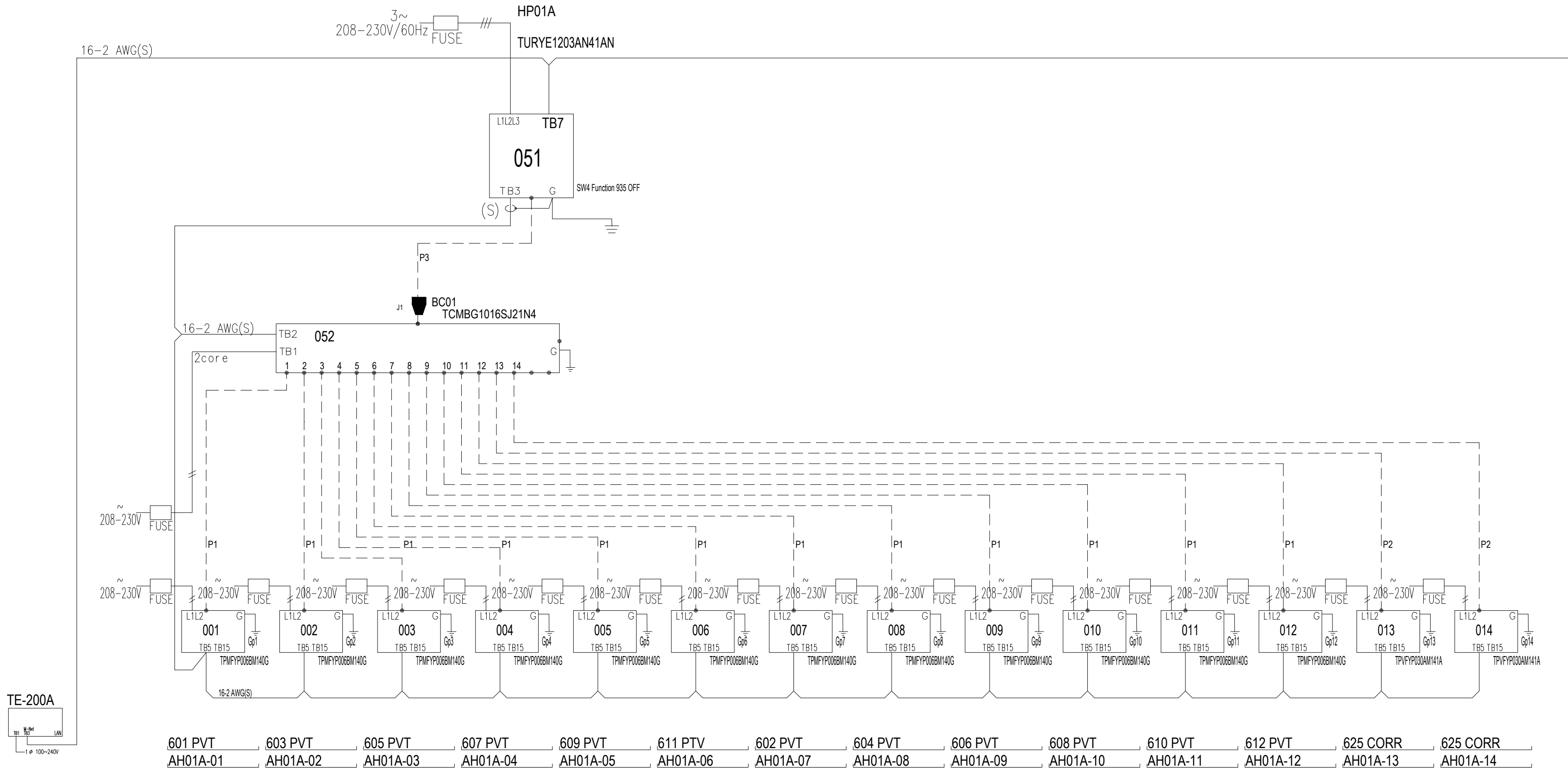
	1 HOUR FIRE BARRIER WALL
	1 HOUR FIRE/SMOKE BARRIER WALL
	2 HOUR FIRE BARRIER WALL
	SMOKE RESISTANT WALL

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

1.25mm(16 AWG) : 1.25mm(16 AWG) or more, 0.75mm(20 AWG) : between 0.5mm(24 AWG) and 0.75mm(20 AWG).

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMV-R01S-G
SYMBOL LIQUID PIPE/GAS PIPE SIZE	
P1	1/4 1/2
P2	3/8 1/8
P3	3/4 1-1/8
P4	3/4 1/2

DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
---	POWER WIRE
---	CONTROL WIRE
---	REF. PIPE



SEQUENCE 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 STATIONS.

SPLIT SYSTEM HEAT PUMPS:

DESCRIPTION: UNITARY HEAT PUMPS, WITH DX INDOOR BLOWER, ELECTRIC AUXILIARY HEAT, AND HEAT PUMP OUTDOOR UNIT.
ON/OFF CONTROL: HEAT PUMPS SHALL BE COMMANDED ON/OFF BY EACH REMOTE CONTROLLER. IF ALL INDOOR UNITS ARE OFF, THE OUTDOOR UNIT SHALL TURN OFF. EMERGENCY STOP INTERLOCKS SHALL DE-ENERGIZE FANS ON DUCTED UNITS UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR BY EMERGENCY STOP SWITCH LOCATED AT NURSE'S STATIONS.
SPACE TEMPERATURE CONTROL: THE HEAT PUMP SHALL CYCLE COMPRESSOR IN COOLING OR HEATIN MODE TO MAINTAIN THE TEMPERATURE SET POINT VIA WALL THERMOSTAT. AUXILIARY HEAT SHALL CYCLE ON TO SUPPLEMENT HEAT PUMP IN COLD CONDITIONS. OCCUPIED AND UNOCCUPIED SET POINTS SHALL BE ADJUSTABLE AT EACH THERMOSTAT.

VRF HEAT PUMPS:

INDOOR UNITS:
DESCRIPTION: VRF INDOOR AIR HANDLERS, DUCTED OR DUCTLESS, WITH DX COIL, REFRIGERANT CONTROL VALVES AND INDOOR BLOWER.
ON/OFF CONTROL: INDOOR UNITS SHALL BE COMMANDED ON/OFF BY EACH REMOTE CONTROLLER. IF ALL INDOOR UNITS ARE OFF, THE OUTDOOR UNIT SHALL TURN OFF. EMERGENCY STOP INTERLOCKS SHALL DE-ENERGIZE FANS ON DUCTED UNITS UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR BY EMERGENCY STOP SWITCH LOCATED AT NURSE'S STATIONS.
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 (DUCTLESS ONLY): FAN SPEED AND VANE DIRECTION SHALL BE ADJUSTABLE BY THE USER AT THE REMOTE CONTROLLER.

SETPOINTS : SPACE TEMPERATURE CONTROL SETPOINTS SHALL BE AS FOLLOWS:

1. OCCUPIED TEMPERATURE: 70-74°F, ADJUSTABLE.
2. UNOCCUPIED TEMPERATURE, HIGH LIMIT: 80°F, ADJUSTABLE.
3. UNOCCUPIED TEMPERATURE LOW LIMIT: 55°F, ADJUSTABLE.

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.

DEHUMIDIFIERS:

DESCRIPTION: PACKAGE DEHUMIDIFIERS, DRY AIR DELIVERED TO SPACE SUPPLY DUCT DOWNSTREAM OF AIR HANDLER WITH RETURN AIR DUCT FROM SPACE. INCLUDE BACKDRAFT DAMPER ON DISCHARGE.
START/STOP CONTROL: DEHUMIDIFIER FAN TO RUN CONTINUOUSLY IN TANDEM WITH ASSOCIATED AIR HANDLER. EMERGENCY STOP INTERLOCKS SHALL DE-ENERGIZE FAN UPON A SIGNAL FROM SHUTDOWN RELAY CONTROLLED BY FIRE ALARM SYSTEM OR BY EMERGENCY STOP SWITCH LOCATED AT NURSE'S STATIONS.
HUMIDITY CONTROL: ON RISE IN SPACE HUMIDITY ENERGIZE DEHUMIDIFIER COMPRESSOR TO MAINTAIN HUMIDITY SETPOINT (60%RH ADJ.).

NOTE: TYPICAL SCHEMATICS INDICATED ARE FOR GENERAL REFERENCE ONLY BASED ON MITSUBISHI EQUIPMENT. VENDOR SHALL PROVIDE SPECIFIC DETAILS FOR PIPING AND WIRING PER MANUFACTURER'S RECOMMENDATIONS

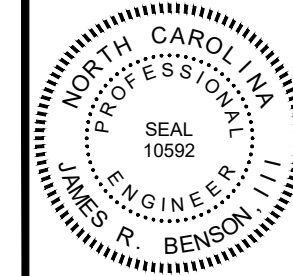
REFRIGERANT PIPING TESTS: PRESSURE TEST STRICTLY IN ACCORDANCE WITH MFR INSTRUCTIONS AND ASHRAE 15. EVACUATE STRICTLY IN ACCORDANCE WITH WITH MANUFACTURER INSTRUCTIONS AND ASHRAE 15. SUBMIT PHOTO AND WRITTEN DOCUMENTATION TO EQUIPMENT VENDOR AND ENGINEER FOR REVIEW AND ACCEPTANCE.

WALL TYPE LEGEND

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

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PRUITT HEALTH
TOWN CENTER
Harrisburg, North Carolina

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

5T BEDROOM ADDITION
/RENOVATION
MECHANICAL
VRF SYSTEM SCHEMATICS

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VRF SYSTEM SCHEMATIC

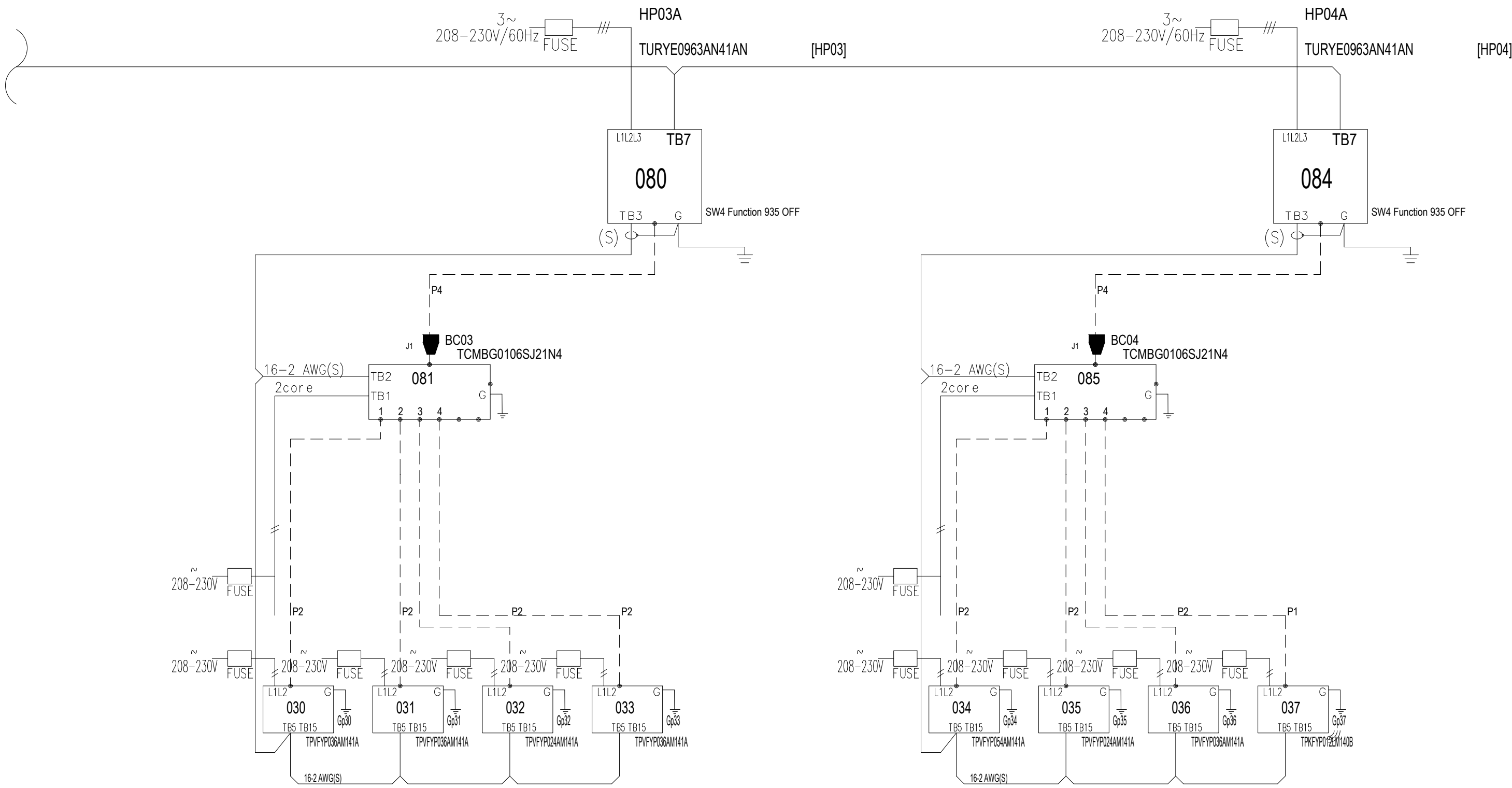
NOT TO SCALE

This drawing is schematic in nature. Final routing of piping & wiring shall be determined by the installing contractor and/or designer of record. Additional refrigerant charge is needed depending on the size and length of extended piping. Please refer the amount of pre-charge and the formula of calculation which is mentioned on the data book.

1.25mm³(16 AWG) : 1.25mm³(16 AWG) or more, 0.75mm³(20 AWG) : between 0.5mm³(24 AWG) and 0.75mm³(20 AWG).

PIPING AND CONTROLS	
SYMBOL	BRANCH PIPE MODEL NAME
J1	CMY-R301S-G
SYMBOL LIQUID PIPE/GAS PIPE SIZE	
P1	1/4 1/2
P2	3/8 1/8
P3	3/4 1-1/8
P4	3/4 1/2

DIAGRAM SYMBOL LEGEND	
DISPLAY	DESCRIPTION
///	POWER WIRE
---	CONTROL WIRE
---	REF. PIPE



19 PT AH03A-01, 19 PT AH03A-02, 12 RECEP AH03A-03, 18 SPA AH03A-04

020 CONCIERGE AH04A-01, 021 NOUR AH04A-02, 029 NURSE AH04A-03, 24 IT AH04A-04

1 VRF SYSTEM SCHEMATIC

NOT TO SCALE

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

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51 BEDROOM ADDITION / RENOVATION
MECHANICAL
VRF SYSTEM SCHEMATICS

M0.5

AIR BALANCE REQUIREMENTS AND FULLFILMENT SCHEDULE																															
SPACE/ZONE			FGI VENTILATION REQUIREMENTS										ASHRAE 62.1 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)							
AH01A-13	A-027 EQ STOR	NON-OCCUPIABLE SPACE	1	163	163	9	1467	0	0	0	0	0	0	0	-	0	0		YES	2.5	60	60	0	32							
AH01A-13	A-625-C CORR	RESIDENT CORRIDOR	1	404	404	9	3636	NR	4	NR	NR	-	242	0	-	0	0		YES	4.1	250	200	0	135							
AH01A-13	A-625-L CORR	RESIDENT CORRIDOR	1	243	243	9	2167	NR	4	NR	NR	-	146	0	-	0	0		YES	5.5	150	200	0	81							
AH01A-13	A-PVT BR Con- OA (AH01A-13)	RESIDENT ROOM	6	57	342	9	513	2	2	NR	NR	103	103	0	-	0	0		YES	10.5	540	0	540	292							
AH01A-14	A-026 STOR	NON-OCCUPIABLE SPACE	1	112	112	9	1008	0	0	0	0	0	0	0	-	0	0		YES	4.8	80	80	0	50							
AH01A-14	A-625-R CORR	RESIDENT CORRIDOR	1	391	391	9	3519	NR	4	NR	NR	-	235	0	-	0	0		YES	4.1	240	240	0	151							
AH01A-14	A-PVT BR Con- OA (AH01A-14)	RESIDENT ROOM	6	57	342	9	513	2	2	NR	NR	103	103	0	-	0	0		YES	10.5	540	0	540	339							
AH02A-13	A-725-R CORR-B	RESIDENT CORRIDOR	1	528	528	9	4752	NR	4	NR	NR	-	317	0	-	0	0		YES	4	320	320	0	201							
AH02A-13	A-PVT BR Con- OA (AH02A-13)	RESIDENT ROOM	6	57	342	9	513	2	2	NR	NR	103	103	0	-	0	0		YES	10.5	540	0	540	339							
AH02A-14	A-033 MECH	NON-OCCUPIABLE SPACE	1	245	245	9	2205	0	0	0	0	0	0	0	-	0	0		YES	4.1	150	150	0	59							
AH02A-14	A-034 EM EL EQUIP	NON-OCCUPIABLE SPACE	1	96	96	9	864	0	0	0	0	0	0	0	-	0	0		YES	8.3	120	120	0	47							
AH02A-14	A-035 EL EQUIP	NON-OCCUPIABLE SPACE	1	144	144	9	1296	0	0	0	0	0	0	0	-	0	0		YES	11.6	250	250	0	98							
AH02A-14	A-725-R CORR-T	RESIDENT CORRIDOR	1	528	528	9	4752	NR	4	NR	NR	-	317	0	-	0	0		YES	4	320	320	0	125							
AH02A-14	A-PVT BR Con- OA (AH02A-14)	RESIDENT ROOM	6	57	342	9	513	2	2	NR	NR	103	103	0	-	0	0		YES	10.5	540	0	540	211							
AH02A-15	A-038 CORR	RESIDENT CORRIDOR	1	721	721	9	6489	NR	4	NR	NR	-	433	0	-	0	0		YES	9.8	1060	1060	0	0							
AH03A-01	A-019 PT-L	PHYSICAL THERAPY	1	1247	1247	9	11223	2	6	Negative	NR	374	1122	0	-	0	0		YES	6	1130	820	300	372							
AH03A-01	A-019A ADL BATH	TOILET/BATHING ROOM	1	115	115	9	1035	NR	10	Negative	Yes	-	173	0	-	0	0		YES	10.4	20	0	180	7							
AH03A-01	A-019A OT	OCCUPATIONAL THERAPY	1	161	161	9	1449	2	6	NR	NR	48	145	0	-	0	0		YES	6.2	150	0	0	49							
AH03A-01	A-019C SPEECH	OFFICE SPACE	1	169	169	9	1521	0	0	0	0	0	0	0.8	-	5	0.06		YES	6.3	160	160	0	53							
AH03A-02	A-019 PT-R	PHYSICAL THERAPY	1	1247	1247	9	11223	2	6	Negative	NR	374	1122	0	-	0	0		YES	6	1130	950	380	305							
AH03A-02	A-037-R CORR	RESIDENT CORRIDOR	1	466	466	9	4194	NR	4	NR	NR	-	280	0	-	0	0		YES	4	280	80	0	75							
AH03A-03	A-012/13 WGTG/RECEP	RECEPTION	1	402	402	9	3618	0	0	0	0	0	0	12.1	-	5	0.06		YES	5.6	340	200	80	86							
AH03A-03	A-014 SUPPLY	OCCUPIABLE DRY STORAGE ROOMS	1	70	70	9	630	0	0	0	0	0	0	0.1	-	5	0.06		YES	6.7	70	70	0	18							
AH03A-03	A-015 TLT	TOILET/BATHING ROOM	1	51	51	9	459	NR	10	Negative	Yes	-	77	0	-	0	0		YES	10.5	20	0	80	5							
AH03A-03	A-016 EXAM#1	OFFICE SPACE	1	120	120	9	1080	0	0	0	0	0	0	0.6	-	5	0.06		YES	5.6	100	100	0	25							
AH03A-03	A-017 EXAM#2	OFFICE SPACE	1	132	132	9	1188	0	0	0	0	0	0	0.7	-	5	0.06		YES	5.1	100	100	0	25							
AH03A-04	A-018 SPA	HAIR SALON	1	443	443	9	3967	NR	10	Negative	Yes	-	665	0	-	0	0		YES	10.1	670	0	670	670							
AH04A-01	A-020 CNCRG LIVING/REC	RESIDENT LIVING/ACTIVITY/DINING	1	666	666	9	5994	4	4	NR	NR	400	400	0	-	0	0		YES	6	600	0	400	306							
AH04A-01	A-021 CNCRG DINING	RESIDENT LIVING/ACTIVITY/DINING	1	690	690	9	6210	4	4	NR	NR	414	414	0	-	0	0		YES	6.3	650	0	420	331							
AH04A-01	A-036 CORR	RESIDENT CORRIDOR	1	600	600	9	5400	NR	4	NR	NR	-	360	0	-	0	0		YES	8.8	360	790	0	183							
AH04A-02	A-022 NOUR	FOOD PREPARATION	1	174	174	9	1566	2	10	NR	NR	52	261	0	-	0	0		YES	28	730	630	100	0							
AH04A-03	A-023 FAMILY	OFFICE SPACE	1	245	245	9	2205	0	0	0	0	0	0	1.2	-	5	0.06		YES	3.8	140	140	0	64							
AH04A-03	A-025 TLT	TOILET/BATHING ROOM	1	82	82	9	738	NR	10	Negative	Yes	-	123	0	-	0	0		YES	10.6	20	0	130	9							
AH04A-03	A-028 JAN	JANITOR	1	53	53	9	477	0	0	0	0	0	0	0	-	0	0		YES	10.1	0	0	80	0							
AH04A-03	A-029 NUR STA	OFFICE SPACE	1	157	157	9	1413	0	0	0	0	0	0	0.8	-	5	0.06		YES	5.5	130	130	0	59							
AH04A-03	A-030 MED PREP	OFFICE SPACE	1	170	170	9	1530	0	0	0	0	0	0	0.9	-	5	0.06		YES	2.4	60	0	0	27							
AH04A-03	A-031 CU/CL	CLEAN UTILITY	1	96	96	9	864	2	4	Positive	NR	29	58	0	-	0	0		YES	4.2	60	0	0	27							
AH04A-03	A-032 SUI/SL	SOILED UTILITY	1	98	98	9	882	2	10	Negative	Yes	29	147	0	-	0	0		YES	10.2	50	0	150	23							
AH04A-03	A-037-L CORR	RESIDENT CORRIDOR	1	548	548	9	4932	NR	4	NR	NR	-	329	0	-	0	0		YES	4	330	160	0	150							
AH11	001 PVT DINING (AH11)	RESIDENT LIVING/ACTIVITY/DINING	1	251	251	9	2259	4	4	NR	NR	151	151	0	-	0	0		YES	4.5	170	170	0	94							
AH11	003 PRUITT UNIV	OFFICE SPACE	1	97	97	9	873	0	0	0	0	0	0	0.5	-	5	0.06		YES	3.4	50	50	0	37							
AH11	010 STO/CORR	RESIDENT CORRIDOR	1	122	122	9	1098	NR	4	NR	NR	-	73	0	-	0	0		YES	8.2	150	150	0	84							
AH11	223 CORR ADDN	RESIDENT CORRIDOR	1	500	500	9	4500	NR	4	NR	NR	-	300	0	-	0	0		YES	4	300	300	0	0							
AH11	PVT BR Typ- OA (AH11)	RESIDENT ROOM	5	59	295	9	531	2	2	NR	NR	89	89	0	-	0	0		YES	10.2	450	0	450	235							
AH13	429 CORR	RESIDENT CORRIDOR	1	886	886	9	7974	NR	4	NR	NR	-	532	0	-	0	0		YES	4.1	540	540	0	378							
AH13	PVT BR Typ- OA (AH13)	RESIDENT ROOM	14	59	826	9	531	2	2	NR	NR	248	248	0	-	0	0		YES	10.2	1260	0	1260	882							
AH14	537 CORR E	RESIDENT CORRIDOR	1	558	558	9	5022	NR	4	NR	NR	-	335	0	-	0	0		YES	7.2	600	600	0	360							
AH14	PVT BR Typ- OA (AH14)	RESIDENT ROOM	10	59	590	9	531	2	2	NR	NR	177	177	0	-	0	0		YES	10.2	900	0	900	540							
AH15	007 EMER ELECT	NON-OCCUPIABLE SPACE	1	84	84	9	756	0	0	0	0	0	0	0	-	0	0		YES	11.9	150	150	0	64							
AH15	008 ELECT EQUIP	NON-OCCUPIABLE SPACE	1	80	80	9	720	0	0	0	0	0	0	0	-	0	0		YES	10	120	120	0	51							
AH15	009 MECH EQUIP	NON-OCCUPIABLE SPACE	1	163	163	9	1467	0	0	0	0	0	0	0	-	0	0		YES	6.1	150	150	0	64							
AH15	009 MECH EQUIP	NON-OCCUPIABLE SPACE	1	163	163	9	1467	0	0	0	0	0	0	0	-	0	0		YES	6.1	150	150	0	64							
AH15	537 CORR W	RESIDENT CORRIDOR	1	491	491	9	4419	NR	4	NR	NR	-	295	0	-	0	0		YES	4.1	300	300	0	129							
AH15	PVT BR Typ- OA (AH15)	RESIDENT ROOM	6	59	354	9	531	2	2	NR	NR	106	106	0	-	0	0		YES	10.2	540	0	540	231							
Total				AREA TOTAL (SF)	18,605			FGI OA REQUIREMENT TOTAL (CFM)					2,903	ASHRAE 62.1 OA REQUIREMENT TOTAL (CFM)					-		TOTAL (CFM)		18,290	10,010	8,280	8,242					
																	SUM OF FGI AND ASHRAE 62.1 VENTILATION REQUIREMENTS (CFM)		2,903												
												OA PROVIDED (CFM)		8,242																	

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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51 BEDROOM ADDITION
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MECHANICAL
AIR BALANCE SCHEDULE

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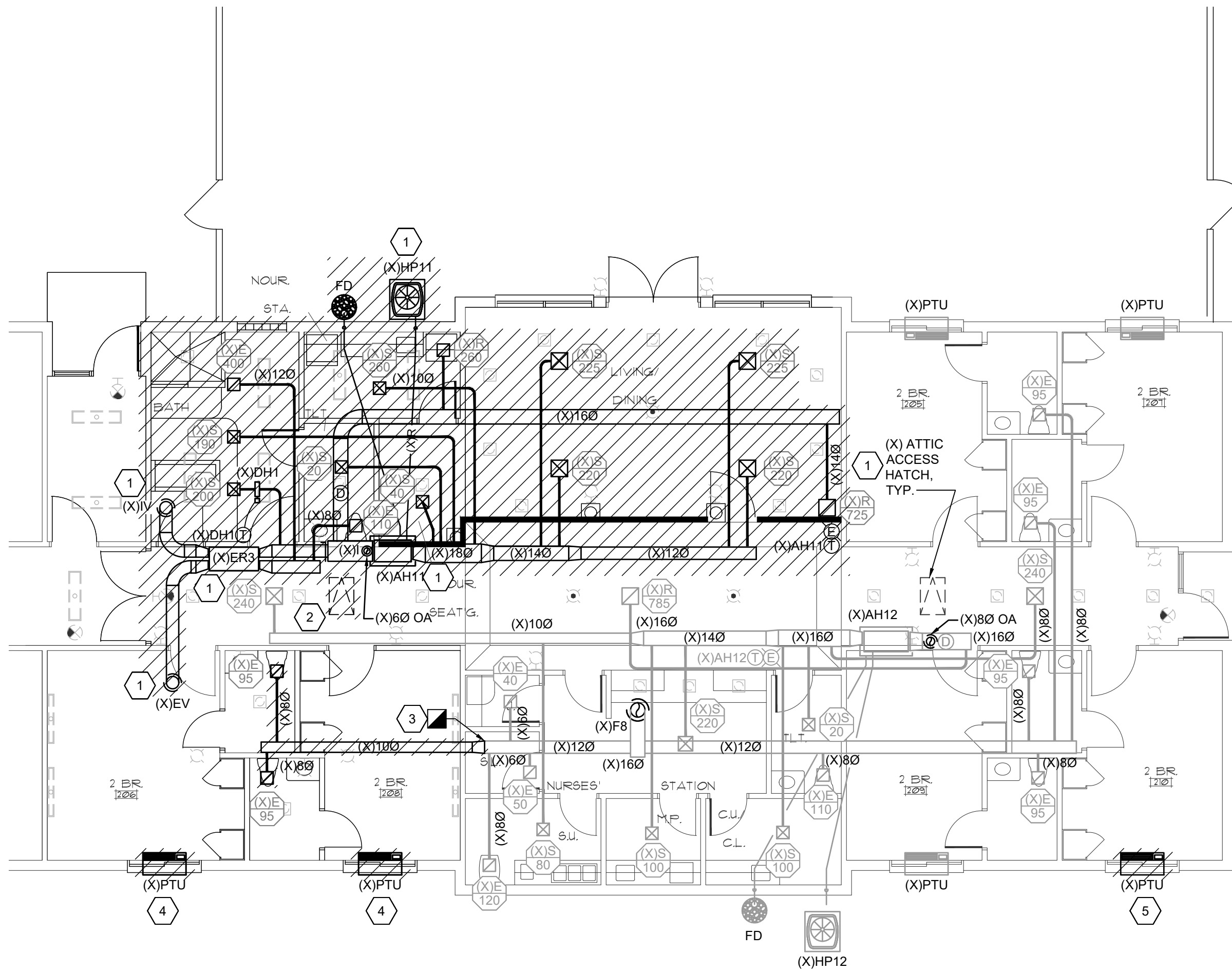
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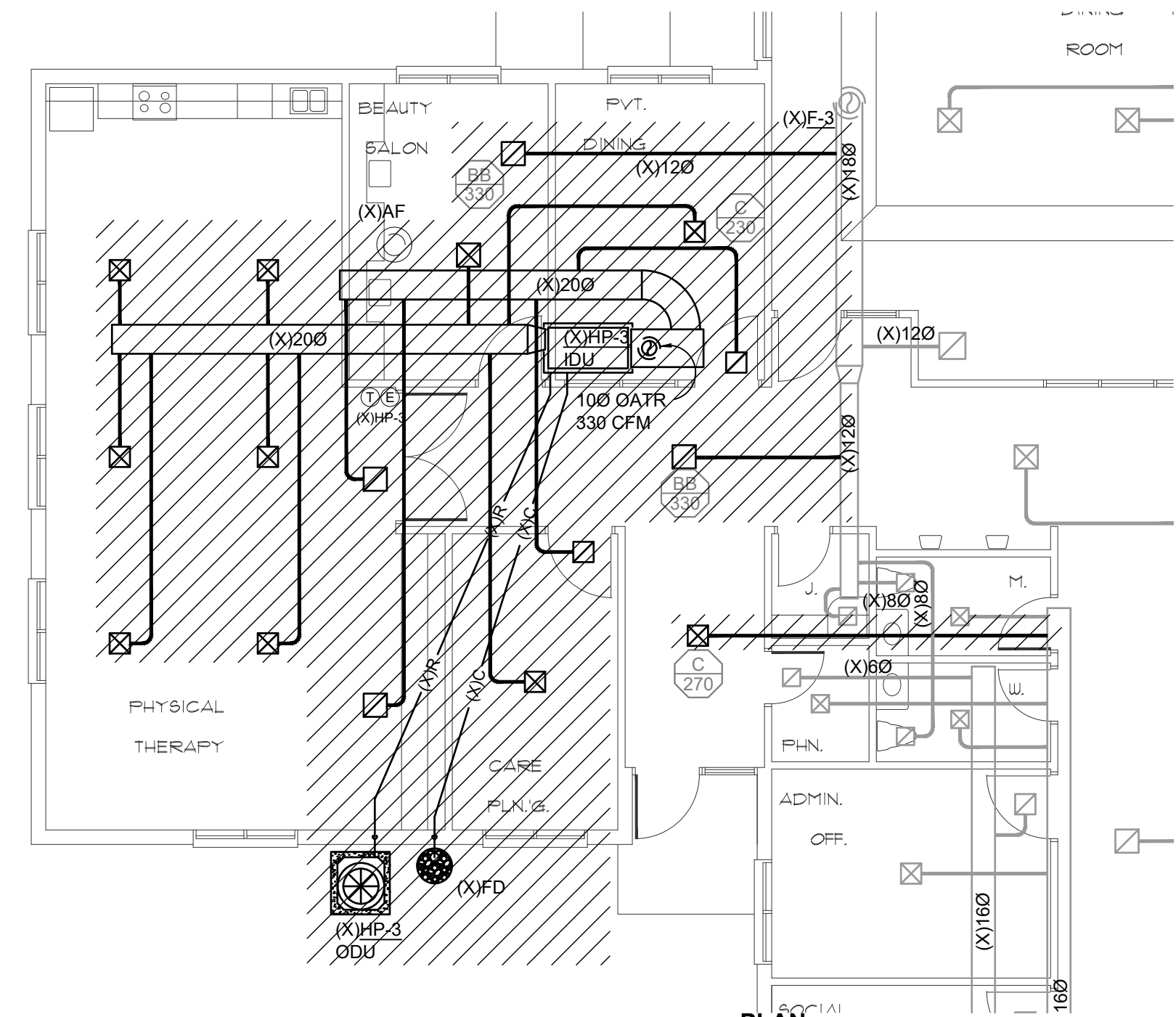
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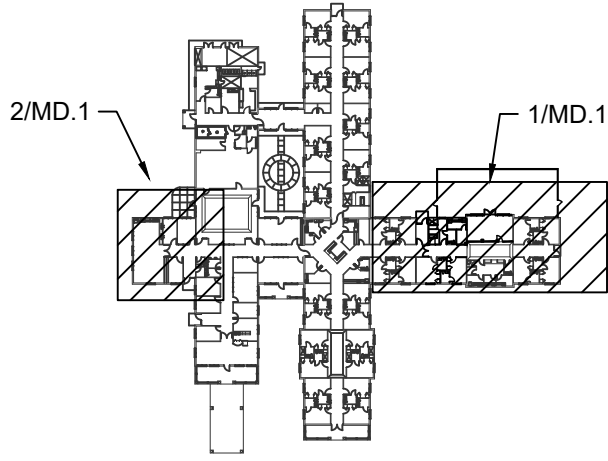
1 PARTIAL DEMOLITION FLOOR PLAN
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH



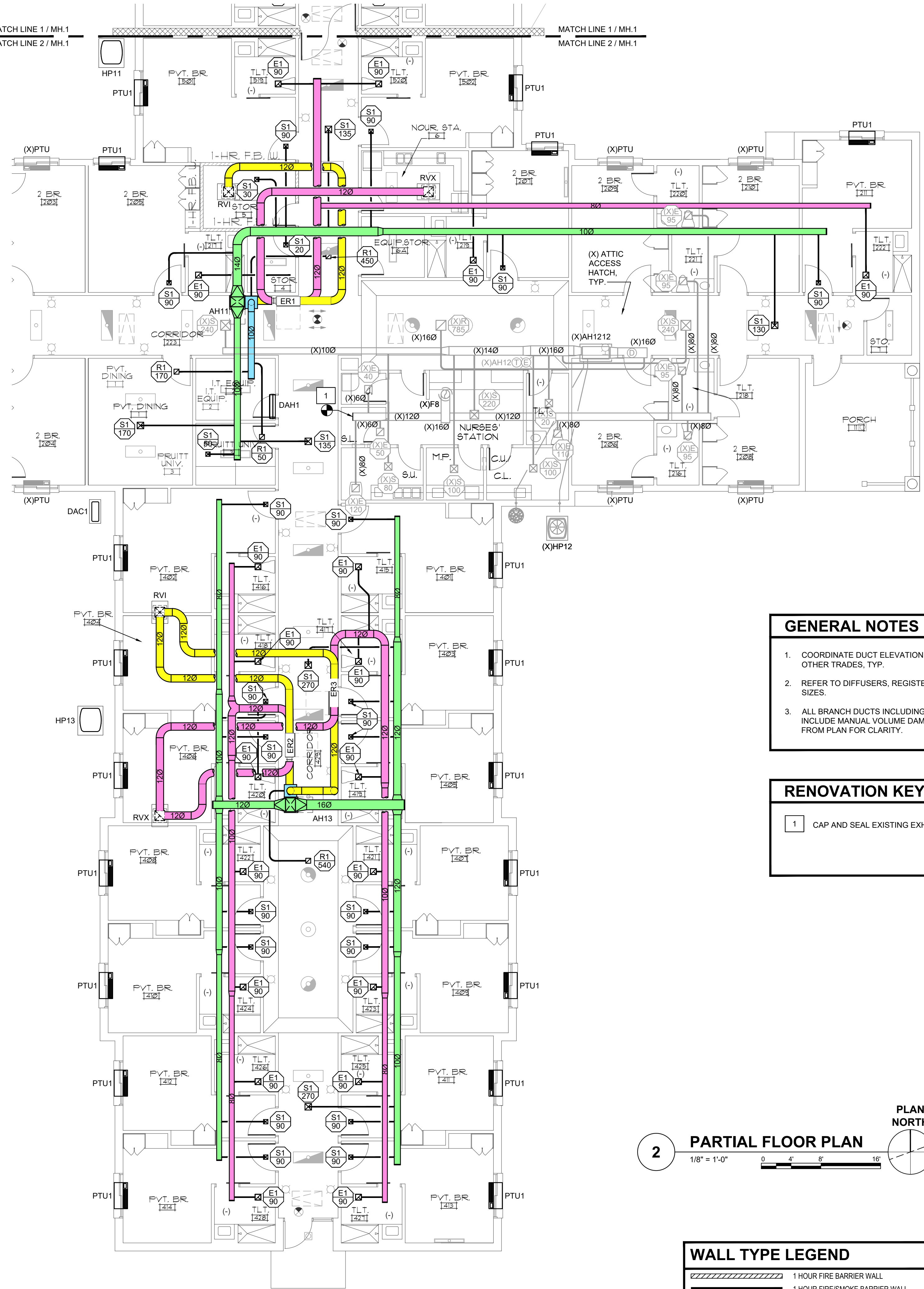
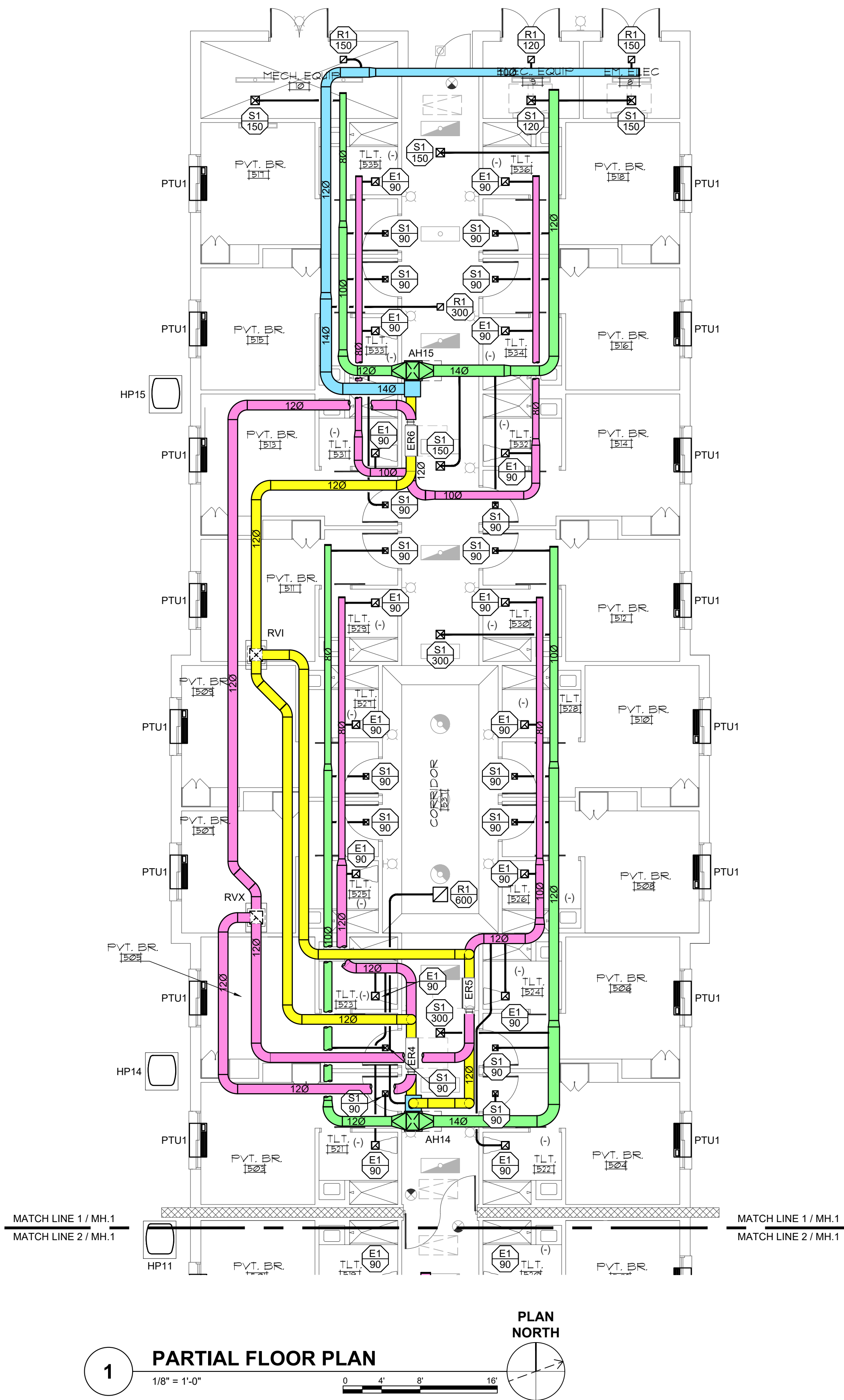
2 PARTIAL DEMOLITION FLOOR PLAN
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

DEMOLITION KEYED NOTES	
1	(PHASE ONE - STEP ONE - DEMOLITION ONLY) - REMOVE AND DISPOSE OF EXISTING AIR-HANDLER (XIAH11), AND ENERGY RECOVERY UNIT, (X)ER3, IN THE ATTIC AND EXISTING HEAT PUMP HP11 OUTSIDE. DEMOLISH THIS SYSTEM IN ITS ENTIRETY, INCLUDING BUT NOT LIMITED TO INTAKE/EXHAUST ROOF HOODS, DUCT HEATERS (XIDH1), DIFFUSERS, DUCTWORK, PIPING, HANGERS, SUPPORTS, CONCRETE PADS, WIRING AND CONTROLS DEVICES. SEAL ALL EXTERIOR WALL PENETRATIONS WEATHER-TIGHT. PREPARE AREA FOR NEW WORK. SEE ARCH PLANS FOR FURTHER PHASING DETAILS.
2	(PHASE ONE - STEP ONE - DEMOLITION ONLY) - G.C. TO REMOVE EXISTING ATTIC ACCESS HATCH AND SEAL CEILING. A NEW ACCESS HATCH IS TO BE INSTALLED. COORDINATE WITH G.C. FOR FINAL LOCATION. SEE ARCH PLANS FOR FURTHER PHASING DETAILS.
3	(PHASE ONE - STEP TWO - DEMOLITION ONLY) - REMOVE AND DISPOSE OF EXISTING EXHAUST AIR (EA) GRILLES AND ASSOCIATED DUCTWORK TO THE EXTENT INDICATED ON THE PLAN, CAPPING EA DUCTWORK AT DEMOLITION'S END. SEE ARCH PLANS FOR FURTHER PHASING DETAILS.
4	(PHASE ONE - STEP TWO - DEMOLITION ONLY) - REMOVE AND DISPOSE OF EXISTING PACKAGED TERMINAL HEAT PUMP UNITS, (X)PTU, AS INDICATED ON PLAN. SEE ARCH PLANS FOR FURTHER PHASING DETAILS.
5	(PHASE ONE - STEP THREE - TEMPORARY EXIT ONLY) - CAREFULLY REMOVE (X)PTU AND STORE IN A LOCATION THAT WILL PROTECT IT FROM DAMAGE. THIS SPACE IS TO BE CONVERTED INTO A TEMPORARY EXIT DURING THIS PHASE. AFTER THIS PHASE IS COMPLETE THE ROOM WILL BE CONVERTED BACK INTO A BEDROOM AND THIS EXISTING UNIT WILL BE RE-INSTALLED IN SAME LOCATION. SEE ARCH PLANS FOR FURTHER PHASING DETAILS.

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

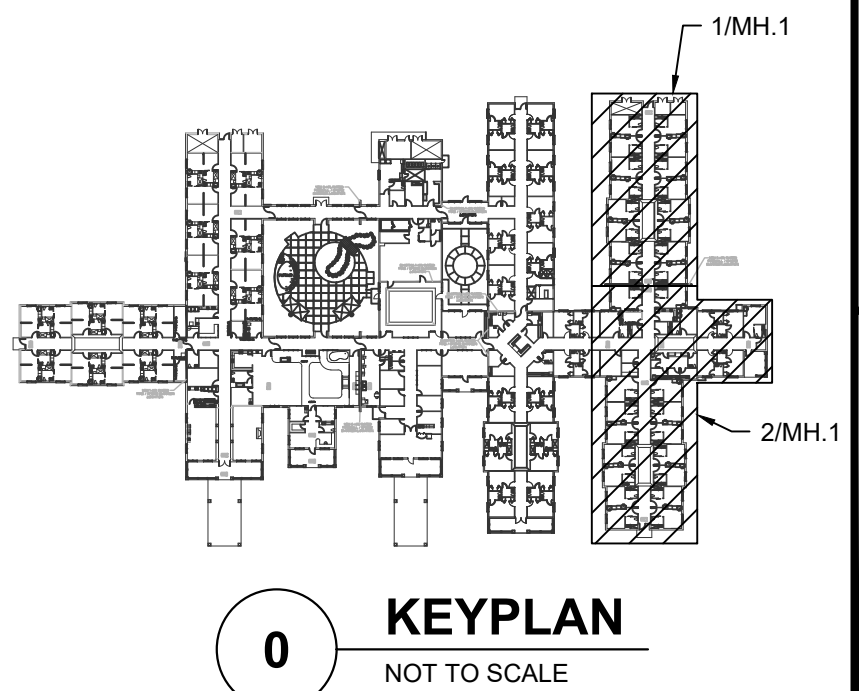


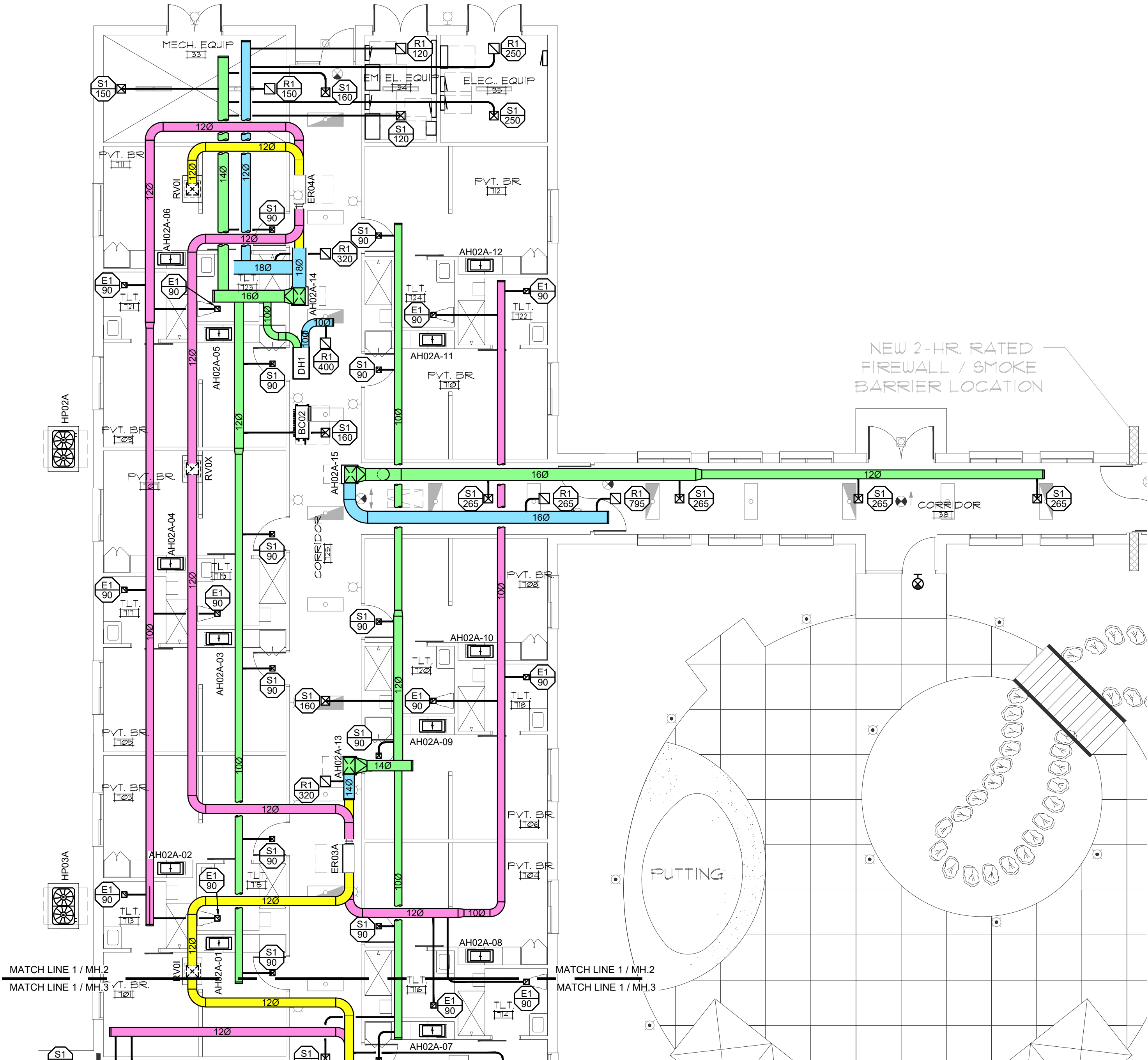
- GENERAL NOTES**
- COORDINATE DUCT ELEVATION AND GENERAL PLACEMENT WITH STRUCTURE AND OTHER TRADES, TYP.
 - REFER TO DIFFUSERS, REGISTERS AND GRILLES SCHEDULES FOR BRANCH DUCT SIZES.
 - ALL BRANCH DUCTS INCLUDING EXHAUST, MAKE-UP, RETURN AND SUPPLY AIR SHALL INCLUDE MANUAL VOLUME DAMPERS. THE MANUAL VOLUME DAMPERS ARE OMITTED FROM PLAN FOR CLARITY.

- RENOVATION KEYED NOTES**
- 1 CAP AND SEAL EXISTING EXHAUST AIR (EA) DUCTWORK.

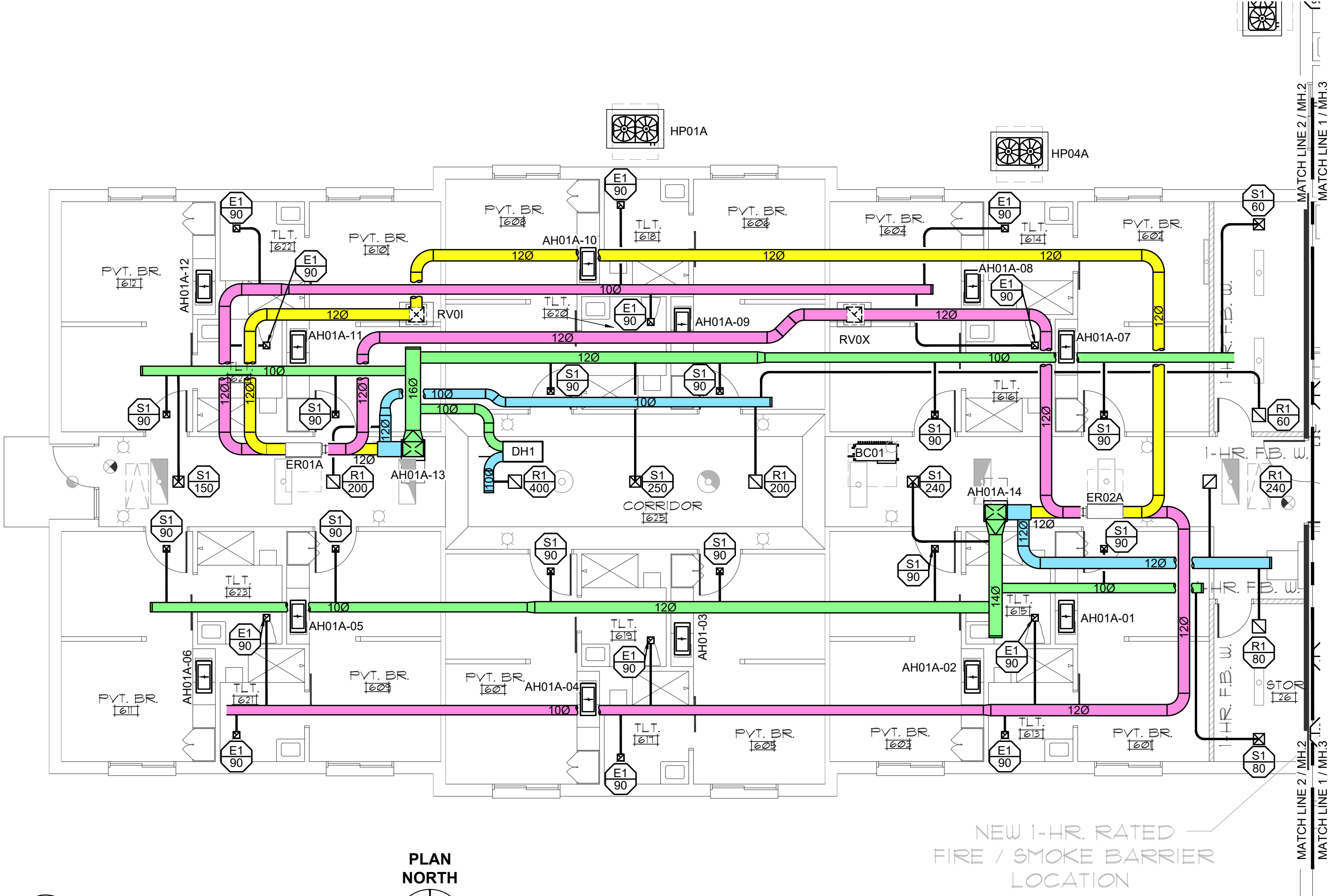
WALL TYPE LEGEND

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





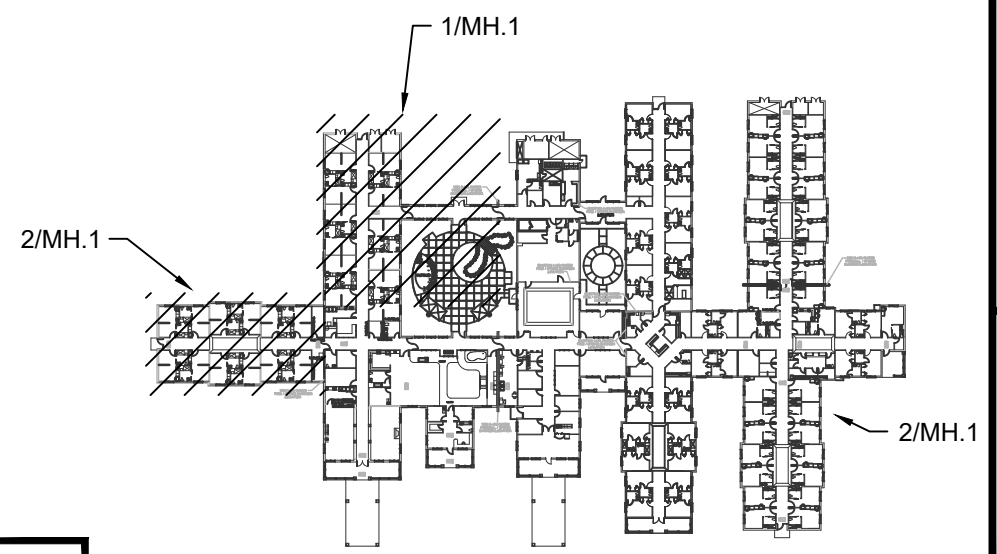
1 PARTIAL FLOOR PLAN
1/8" = 1'-0"



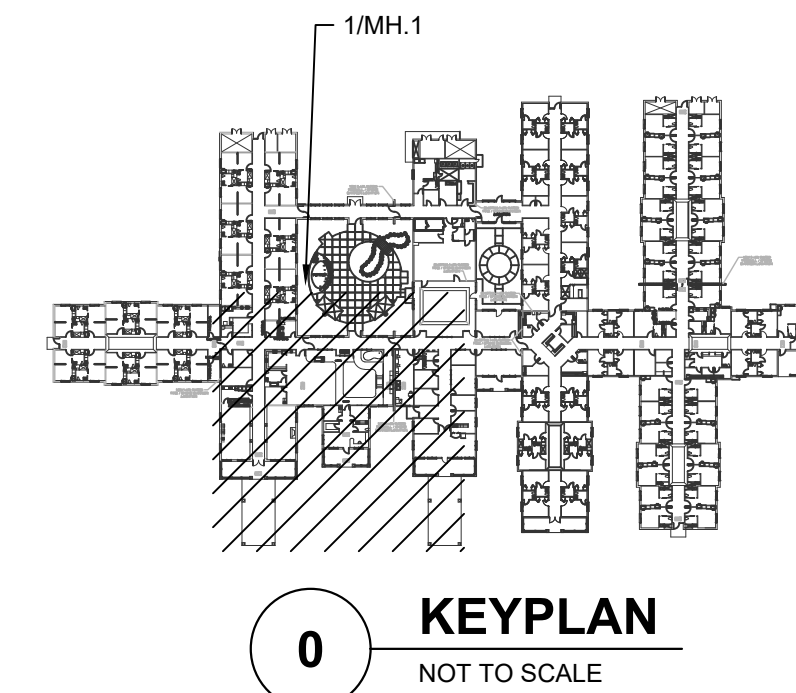
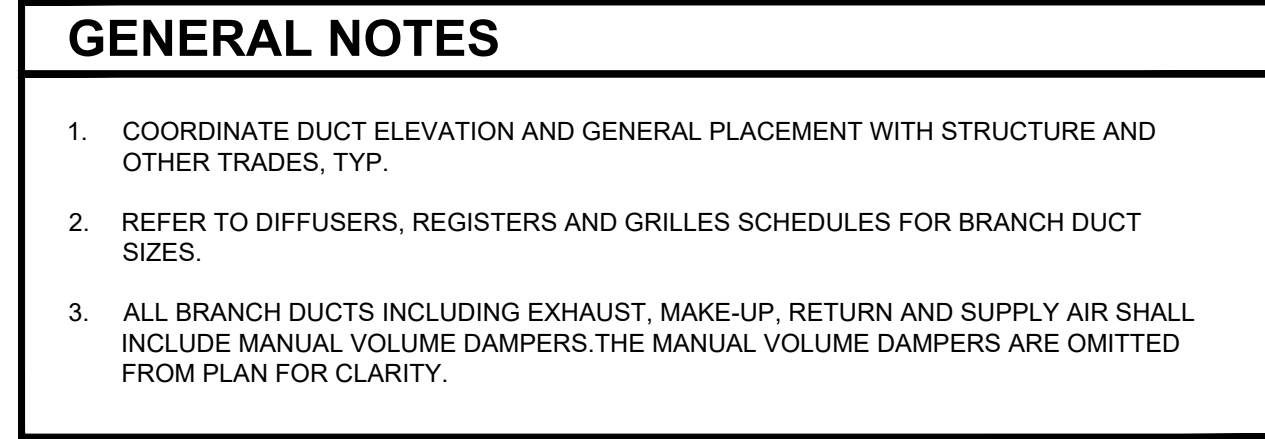
2 PARTIAL FLOOR PLAN
1/8" = 1'-0"

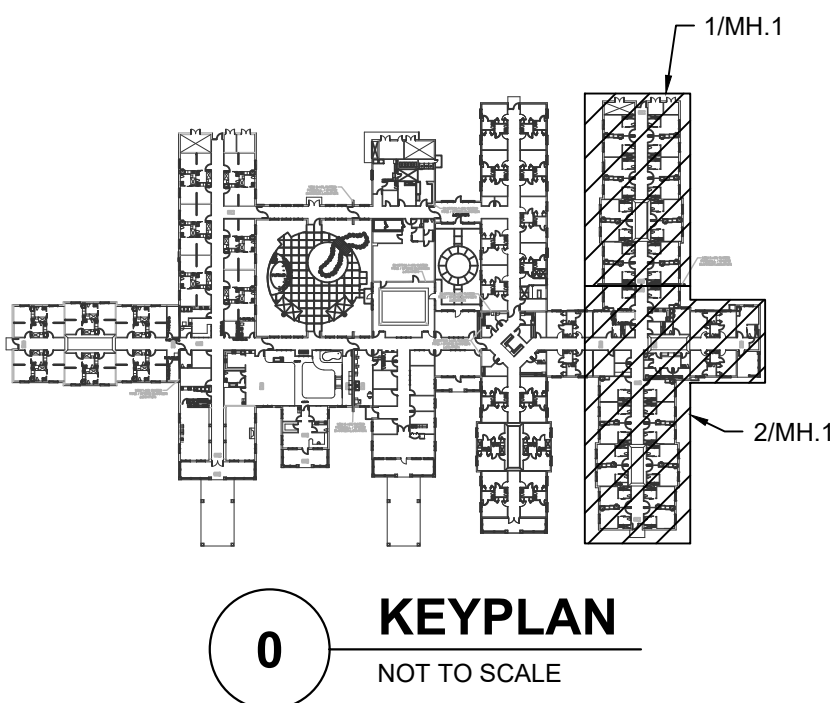
- GENERAL NOTES**
- COORDINATE DUCT ELEVATION AND GENERAL PLACEMENT WITH STRUCTURE AND OTHER TRADES, TYP.
 - REFER TO DIFFUSERS, REGISTERS AND GRILLES SCHEDULES FOR BRANCH DUCT SIZES.
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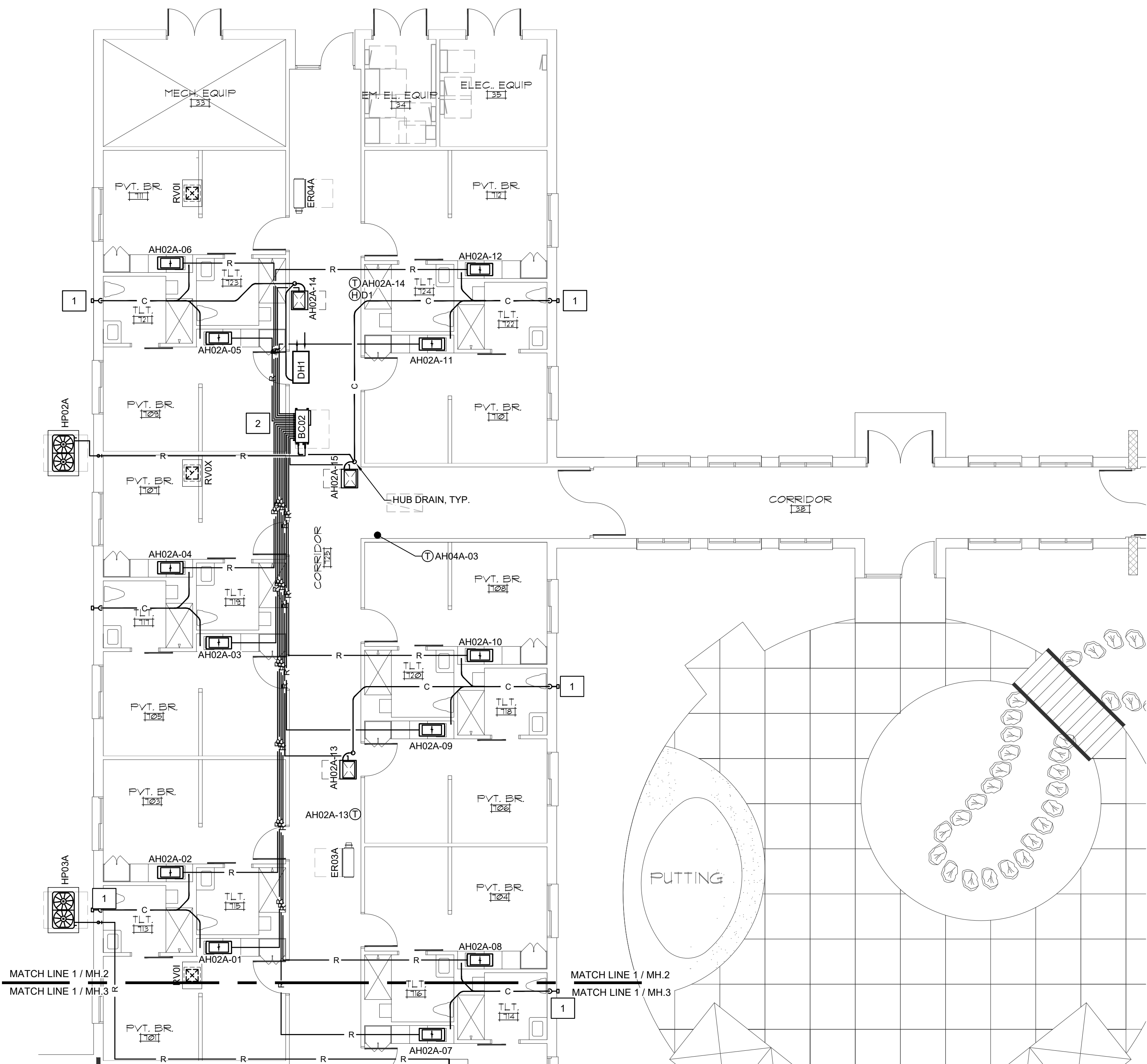
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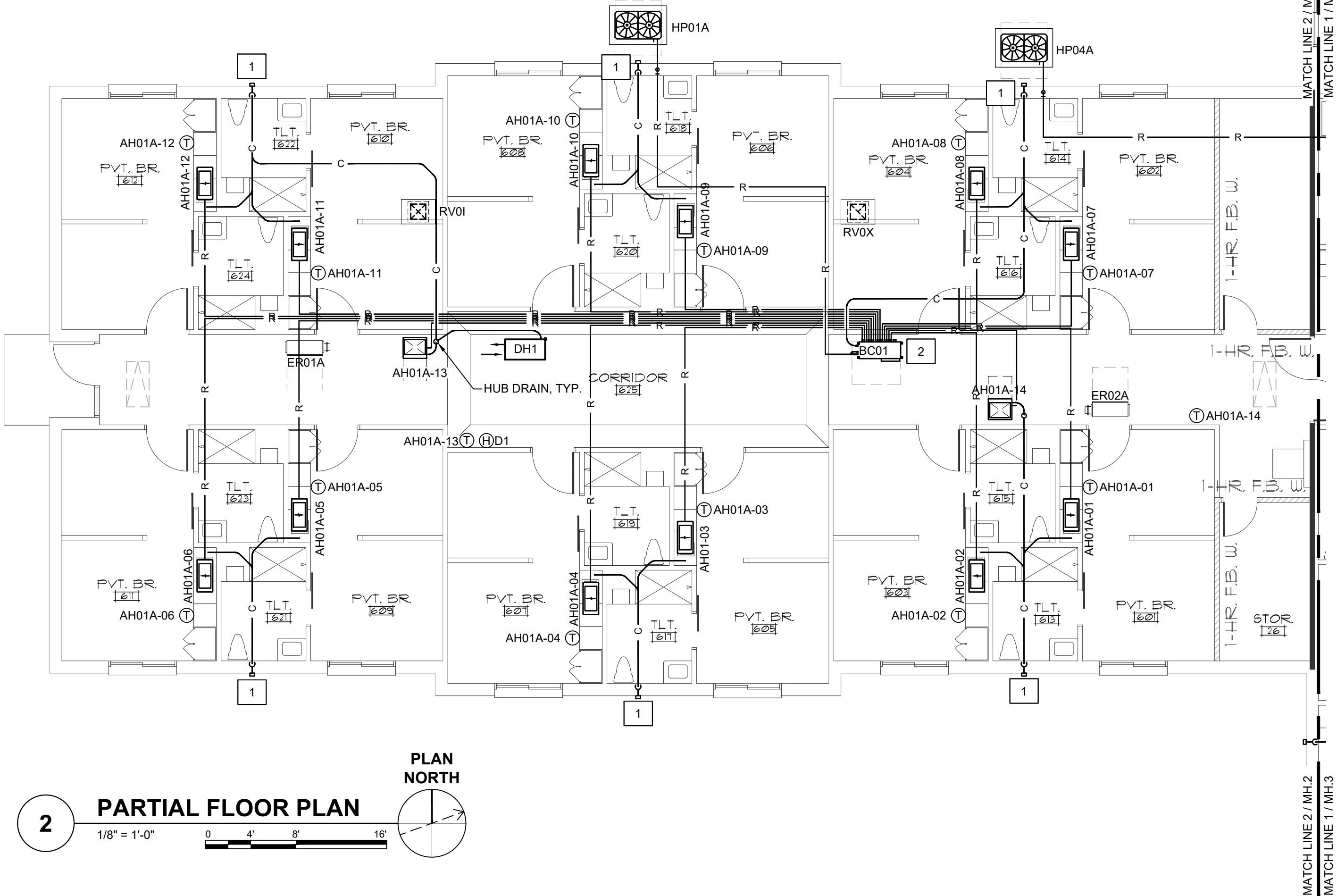
0 KEYPLAN
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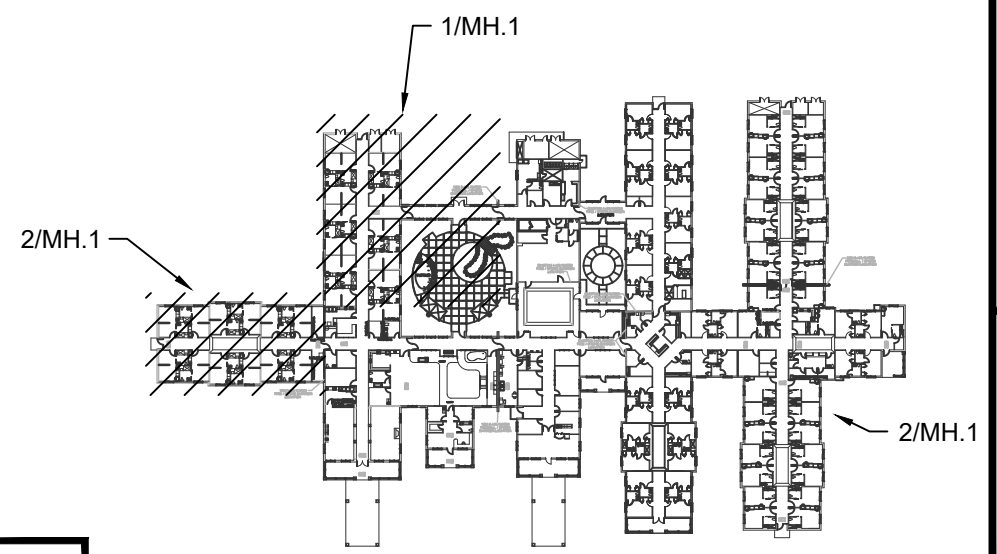
1
PARTIAL FLOOR PLAN
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH



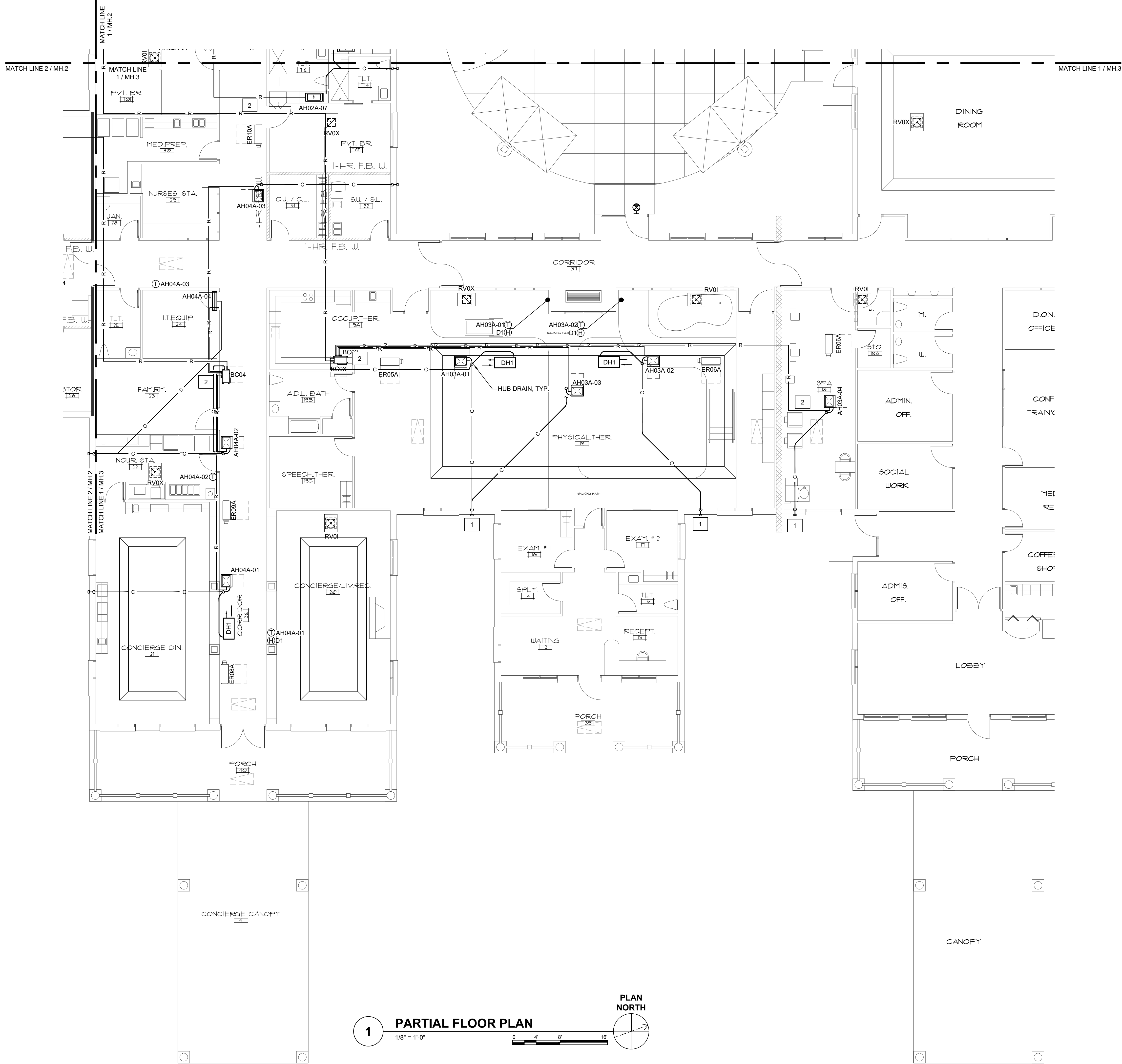
2
PARTIAL FLOOR PLAN
1/8" = 1'-0"
0 4' 8' 16'
PLAN NORTH

KEYED NOTES	
1	CONDENSATE DROP IN WALL, COORDINATE FINAL LOCATION WITH GUTTER CONTRACTOR. SEE DETAIL 3/M0.4
2	SIZE AND INSTALL REFRIGERANT PIPING STRICTLY PER MANUFACTURER'S PROJECT SPECIFIC PIPING AND CONTROL SCHEMATICS (TO BE INCLUDED WITH EQUIPMENT SUBMITTAL PACKAGE).

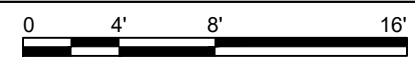
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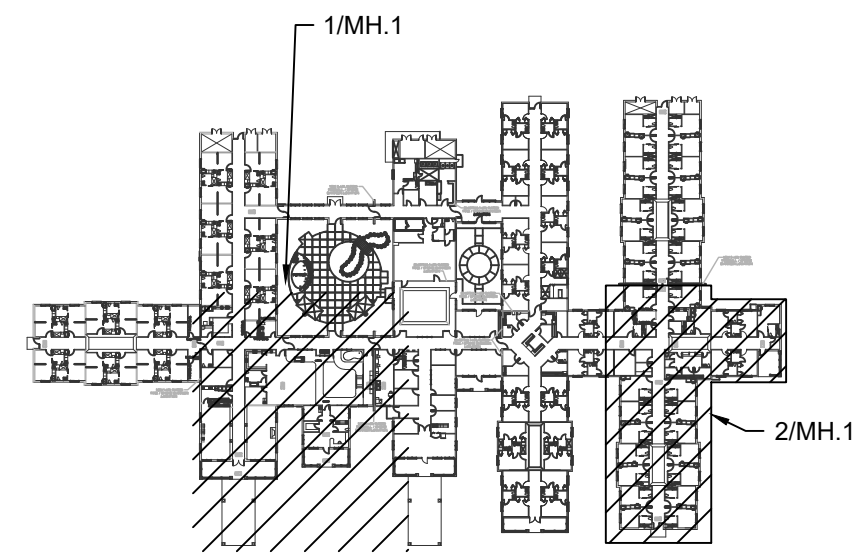
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KEYPLAN
NOT TO SCALE



1 PARTIAL FLOOR PLAN
1/8" = 1'-0"



WALL TYPE LEGEND	
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ISSUED FOR
CONSTRUCTION
08-26-2025

PRUITT HEALTH
TOWN CENTER

Harrisburg, North Carolina

David R. Polston - Architect

3806 Park Ave. Suite C, Wilmington, NC 28403

Architecture Planning Design

5TH BEDROOM ADDITION
/RENOVATION

MECHANICAL PIPING
PARTIAL FLOOR PLANS

MP

.3