

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)							
AH01	0225 Corr.	RESIDENT CORRIDOR	1	760	760	9	6840	NR	4	NR	NR	-	456	0	-	0	0	0	YES	4	460	460	0	323							
AH01	P/V/T BR Std - OA (AH01)	RESIDENT ROOM	12	59	708	9	531	2	2	NR	NR	212	212	0	-	0	0	0	YES	10.2	1080	0	1080	757							
AH02	0325 Corr.	RESIDENT CORRIDOR	1	760	760	9	6840	NR	4	NR	NR	-	456	0	-	0	0	0	YES	4	460	460	0	323							
AH02	P/V/T BR Std - OA (AH02)	RESIDENT ROOM	12	59	708	9	531	2	2	NR	NR	212	212	0	-	0	0	0	YES	10.2	1080	0	1080	757							
AH03	0625 Corr.	RESIDENT CORRIDOR	1	760	760	9	6840	NR	4	NR	NR	-	456	0	-	0	0	0	YES	4	460	460	0	323							
AH03	P/V/T BR Std - OA (AH03)	RESIDENT ROOM	12	59	708	9	531	2	2	NR	NR	212	212	0	-	0	0	0	YES	10.2	1080	0	1080	757							
AH04	0725 Corr.	RESIDENT CORRIDOR	1	760	760	9	6840	NR	4	NR	NR	-	456	0	-	0	0	0	YES	4	460	460	0	323							
AH04	P/V/T BR Std - OA (AH04)	RESIDENT ROOM	12	59	708	9	531	2	2	NR	NR	212	212	0	-	0	0	0	YES	10.2	1080	0	1080	757							
AH05	0125 Corr.	RESIDENT CORRIDOR	1	860	860	9	7740	NR	4	NR	NR	-	516	0	-	0	0	0	YES	4	520	520	0	330							
AH05	P/V/T BR Std - OA (AH05)	RESIDENT ROOM	10	59	590	9	531	2	2	NR	NR	177	177	0	-	0	0	0	YES	10.2	900	0	900	570							
AH06	0019 S.U.S.L.	SOILED UTILITY	1	195	195	9	1755	2	10	Negative	Yes	59	293	0	-	0	0	0	YES	10.3	200	0	300	57							
AH06	0020 C.U./C.L	CLEAN UTILITY	1	128	128	9	1152	2	4	Positive	NR	38	77	0	-	0	0	0	YES	4.2	80	0	0	23							
AH06	0021 WHL. / CHR.	NON-OCCUPIABLE SPACE	1	127	127	9	1143	0	0	0	0	0	0	0	-	0	0	0	YES	1	20	0	0	6							
AH06	0022 Supply Stor.	NON-OCCUPIABLE SPACE	1	127	127	9	1143	0	0	0	0	0	0	0	-	0	0	0	YES	1	20	0	0	6							
AH06	0023 Living Area	RESIDENT LIVING/ACTIVITY/DINING	1	1026	1026	9	9234	2	4	NR	NR	308	616	0	-	0	0	0	YES	4	620	620	0	177							
AH06	0073A Corr.	RESIDENT CORRIDOR	1	200	200	9	1800	NR	4	NR	NR	-	120	0	-	0	0	0	YES	4.7	120	140	0	34							
AH06	0073B Corr.	RESIDENT CORRIDOR	1	496	496	9	4464	NR	4	NR	NR	-	298	0	-	0	0	0	YES	4	300	300	0	86							
AH06	0073G Corr.	RESIDENT CORRIDOR	1	233	233	9	2097	NR	4	NR	NR	-	140	0	-	0	0	0	YES	4	140	140	0	40							
AH06	P/V/T BR Std - OA (AH06)	RESIDENT ROOM	2	59	118	9	531	2	2	NR	NR	35	35	0	-	0	0	0	YES	10.2	180	0	180	51							
AH07	0011 Office	OFFICE SPACE	1	130	130	9	1170	0	0	0	0	0	0	0.7	-	5	0.06	14	YES	3.3	65	65	0	15							
AH07	0012 Office	OFFICE SPACE	1	130	130	9	1170	0	0	0	0	0	0	0.7	-	5	0.06	14	YES	5.6	110	110	0	25							
AH07	0013 Janitorial	JANITOR	1	42	42	9	378	0	0	0	0	0	0	0	-	0	0	0	YES	11.1	20	0	70	4							
AH07	0014 Hall	OFFICE SPACE	1	93	93	9	837	0	0	0	0	0	0	0.5	-	5	0.06	10	YES	4.3	60	0	0	13							
AH07	0015 Office	OFFICE SPACE	1	127	127	9	1143	0	0	0	0	0	0	0.6	-	5	0.06	13	YES	3.4	65	65	0	15							
AH07	0016 Office	OFFICE SPACE	1	127	127	9	1143	0	0	0	0	0	0	0.6	-	5	0.06	13	YES	3.4	65	65	0	15							
AH07	0017 A.D.O.N. Office	OFFICE SPACE	1	127	127	9	1143	0	0	0	0	0	0	0.6	-	5	0.06	13	YES	3.4	65	65	0	15							
AH07	0018 JAN./H.K.	JANITOR	1	127	127	9	1143	0	0	0	0	0	0	0	-	0	0	0	YES	10.2	95	0	195	21							
AH07	0025 Unit Manager	OFFICE SPACE	1	91	91	9	819	0	0	0	0	0	0	0.5	-	5	0.06	10	YES	4.4	60	60	0	13							
AH07	0026 Tlt.	TOILET/BATHING ROOM	1	67	67	9	603	NR	10	Negative	Yes	-	101	0	-	0	0	0	YES	10.4	20	0	105	4							
AH07	0027 In-Serv. Training	OFFICE SPACE	1	376	376	9	3384	0	0	0	0	0	0	1.9	-	5	0.06	40	YES	2.1	120	120	0	27							
AH07	0028 Med. Prep	OFFICE SPACE	1	126	126	9	1134	0	0	0	0	0	0	0.6	-	5	0.06	13	YES	4.2	80	80	0	18							
AH07	0029 Nurses Station	OFFICE SPACE	1	294	294	9	2646	0	0	0	0	0	0	1.5	-	5	0.06	31	YES	3.3	145	145	0	33							
AH07	0073C Corr.	RESIDENT CORRIDOR	1	303	303	9	2727	NR	4	NR	NR	-	182	0	-	0	0	0	YES	4.1	185	95	0	41							
AH07	0073D Corr.	RESIDENT CORRIDOR	1	303	303	9	2727	NR	4	NR	NR	-	182	0	-	0	0	0	YES	4.1	185	100	0	41							
AH07	0073E Corr.	RESIDENT CORRIDOR	1	510	510	9	4590	NR	4	NR	NR	-	306	0	-	0	0	0	YES	4.1	310	310	0	70							
AH08	0030 Dining Area	RESIDENT LIVING/ACTIVITY/DINING	1	1026	1026	9	9234	2	4	NR	NR	308	616	0	-	0	0	0	YES	4	620	620	0	140							
AH08	0031 WHL. / CHR.	NON-OCCUPIABLE SPACE	1	104	104	9	936	0	0	0	0	0	0	0	-	0	0	0	YES	1.3	20	0	0	5							
AH08	0032 C.U./C.L	CLEAN UTILITY	1	128	128	9	1152	2	4	Positive	NR	38	77	0	-	0	0	0	YES	4.2	80	0	0	18							
AH08	0033 Nour. Sta.	FOOD PREPARATION	1	151	151	9	1359	2	10	NR	NR	45	227	0	-	0	0	0	YES	33.6	760	680	80	172							
AH08	0034 S.U.S.L.	SOILED UTILITY	1	195	195	9	1755	2	10	Negative	Yes	59	293	0	-	0	0	0	YES	10.3	200	0	300	45							
AH09	0073F Corr.	RESIDENT CORRIDOR	1	200	200	9	1800	NR	4	NR	NR	-	120	0	-	0	0	0	YES	4	120	120	0	79							
AH09	0421 Corr.	RESIDENT CORRIDOR	1	582	582	9	5238	NR	4	NR	NR	-	349	0	-	0	0	0	YES	4	350	350	0	230							
AH09	P/V/T BR Std - OA (AH09)	RESIDENT ROOM	10	59	590	9	531	2	2	NR	NR	177	177	0	-	0	0	0	YES	10.2	900	0	900	591							
AH10	0001 Vestibule	NON-OCCUPIABLE SPACE	1	128	128	9	1152	0	0	0	0	0	0	0	-	0	0	0	YES	5.2	100	0	0	32							
AH10	0001A Lobby	RESIDENT LIVING/ACTIVITY/DINING	1	1348	1348	9	12132	2	4	NR	NR	404	809	0	-	0	0	0	YES	4	810	590	0	260							
AH10	0003 Admin Office	OFFICE SPACE	1	161	161	9	1449	0	0	0	0	0	0	0.8	-	5	0.06	17	YES	6.2	150	150	0	48							
AH10	0003A Corr.	RESIDENT CORRIDOR	1	67	67	9	603	NR	4	NR	NR	-	40	0	-	0	0	0	YES	4	40	0	0	13							
AH10	0004 NHA Off	OFFICE SPACE	1	185	185	9	1665	0	0	0	0	0	0	0.9	-	5	0.06	20	YES	4.1	115	115	0	37							
AH10	0005 Women	TOILET/BATHING ROOM	1	75	75	9	675	NR	10	Negative	Yes	-	113	0	-	0	0	0	YES	10.2	20	0	115	6							
AH10	0006 Men	TOILET/BATHING ROOM	1	75	75	9	675	NR	10</																						

DIFFUSERS, REGISTERS AND GRILLES SCHEDULE

DRAWING CODE	BASIS OF DESIGN MFR	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.)														
					0 - 100	101 - 230	231 - 350	351 - 450											
S1	PRICE	SMD	LOUVER DIFFUSER, 4-WAY	SUPPLY	6 x 6	9 x 9	12 x 12	15 x 15							STEEL	WHITE	CEILING SURFACE	1,2,3,4	A
					6	8	10	12											
					0-600														
S2	PRICE	PDS	PERFORATED DIFFUSER	SUPPLY	18 x 18									STEEL	WHITE	CEILING SURFACE	1,2	A,B	
					10														
					0 - 70	71 - 100	101 - 200	201 - 375	376 - 500	501 - 600	601 - 850	851 - 1000	1001 - 1600						
R1	PRICE	530	GRILLE, 45° DEFLECTION	RETURN	8 x 8	8 x 8	10 x 10	14 x 14	14 x 14	18 x 18	18 x 18	20 x 20	36 x 18	STEEL	WHITE	CEILING SURFACE	1,2	A	
					6	8	8	10	12	12	14	16	18						
					0 - 100	101 - 200	201 - 350	351 - 500	501 - 600	601 - 850	851 - 1300								
E1	PRICE	530	GRILLE, 45° DEFLECTION	EXHAUST	8 x 8	10 x 10	14 x 14	14 x 14	18 x 18	18 x 18	28 x 20			STEEL	WHITE	CEILING SURFACE	1,2	A	
					6	8	10	12	12	14	16								
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 40 MAY BE USED WHERE INDICATED ON PLANS.																			
ACCESSORIES:																			
A LISTED CEILING RADIATION DAMPER																			
B FACE MOUNT PATTERN CONTROLLER-ADJUST FOR THROW AS INDICATED																			

FAN SCHEDULE

DRAWING CODE	SERVES	BASIS OF DESIGN MFR	BASIS OF DESIGN MODEL	FAN TYPE	SERVICE	DRIVE TYPE	CAPACITIES			ELECTRICAL		SONES (AMCA)	WEIGHT (LBS.)	NOTES	ACCESSORIES
							AIRFLOW (CFM)	ESP WG.)	(IN. V/PHHZ	MOTOR SIZE (HP)					
KEF01	43 KITCHEN	CAPTIVEAIRE	DU180HFA	ROOF CENTRIFUGAL	HOOD EXHAUST	BELT	NOTE 2	NOTE 2		1.5	208/3/60	-	NOTE 2	1,2,3	A,B
KEF02	43 KITCHEN	CAPTIVEAIRE	DU180HFA	ROOF CENTRIFUGAL	HOOD EXHAUST	BELT	NOTE 2	NOTE 2		1.5	208/3/60	-	NOTE 2	1,2,3	A,B
KEF03	43 DISHWASH	CAPTIVEAIRE	DU50HFA	ROOF CENTRIFUGAL	DISHWASHER EXHAUST	BELT	NOTE 2	NOTE 2		.5	208/1/60	-	NOTE 2	1,2,3	A,B
NOTES:															
1 REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.															
2 KITCHEN HOODS, FANS AND CONTROLS FURNISHED BY OTHERS, INSTALLED COMPLETE BY MECHANICAL CONTRACTOR. SEE SHEETS M0.6-M0.9 FOR ADDITIONAL DETAILS.															
3 COORDINATE AND PROVIDE POWER WIRING FOR CONTINUOUS OPERATION.															
ACCESSORIES:															
A MATCHING SLOPING ROOF CURB, FAN/CURB ASSEMBLY WIND RATED, . COLOR AND FINISH SELECTED BY ARCHITECT.															
B PROVIDE ENGINEER SEALED 140 MPH WIND RATED INSTALLATION/FASTENING INSTRUCTIONS.															

THROUGH-WALL HEAT PUMP SCHEDULE

DRAWING CODE	LOCATION	BASIS OF DESIGN MANUFACTURER	BASIS OF DESIGN MODEL	ARI COOLING 80/67/55		ARI HEATING 70/47		AUX HEAT CAP (KW)	INDOOR FAN SECTION SA (CFM)	OA (CFM)	ELECTRICAL VOLTAGE (V/PH/Hz)		MCA (A)	MOCP (A)	REFRIG. TYPE	WEIGHT (LBS)	NOTES
				TOTAL (MBH)	MIN EER	TOTAL (MBH)	MIN COP										
PTHP01	TYP. BEDROOM	GE ZONELINE	AZ65H07AB		6.9	13.0	6.1	4.0	1.9	360	N/A	208/1/60	15.0	15	R-410A	100	1
NOTES:																	
1 PROVIDE COMPLETE WITH WALL SLEEVE, CORD/PLUG SET, UNIT MOUNTED FAN/TEMPERATURE CONTROLS, MATCHING ARCHITECTURAL WALL LOUVER.																	

ROOF VENTILATOR SCHEDULE

DRAWING CODE	LOCATION	BASIS OF DESIGN MFR	MODEL - SIZE	TYPE	AIRFLOW (CFM)	E.S.P @ MAX (IN. WG.)	NOTES	ACCESSORIES
RVOI	ROOF	GREENHECK	FGI - 18 X 18	INTAKE	1,840	0.09	1,2,3	A,B,C
RVOX	ROOF	GREENHECK	FGR - 18 X 18	EXHAUST	1,800	0.10	1,2,3	A,B,C
NOTES:								
1 REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.								
2 FINISH AND COLOR SELECTED BY ARCHITECT.								
3 FACTORY DOCUMENTED WIND/SEISMIC CONSTRUCTION.								
ACCESSORIES:								
A GALVANIZED BIRD SCREEN, SLOPING ROOF CURB WITH BOTTOM OF INTAKE 18" ABOVE ROOF								
B TIE DOWN POINTS								
C PROVIDE ENGINEER SEALED WIND/SEISMIC INSTALLATION/FASTENING INSTRUCTIONS								

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PRINCIPLE HEALTH CARE

WAKE COUNTY

Holly Springs, North Carolina

120 BED

NURSING FACILITY

MECHANICAL SCHEDULES

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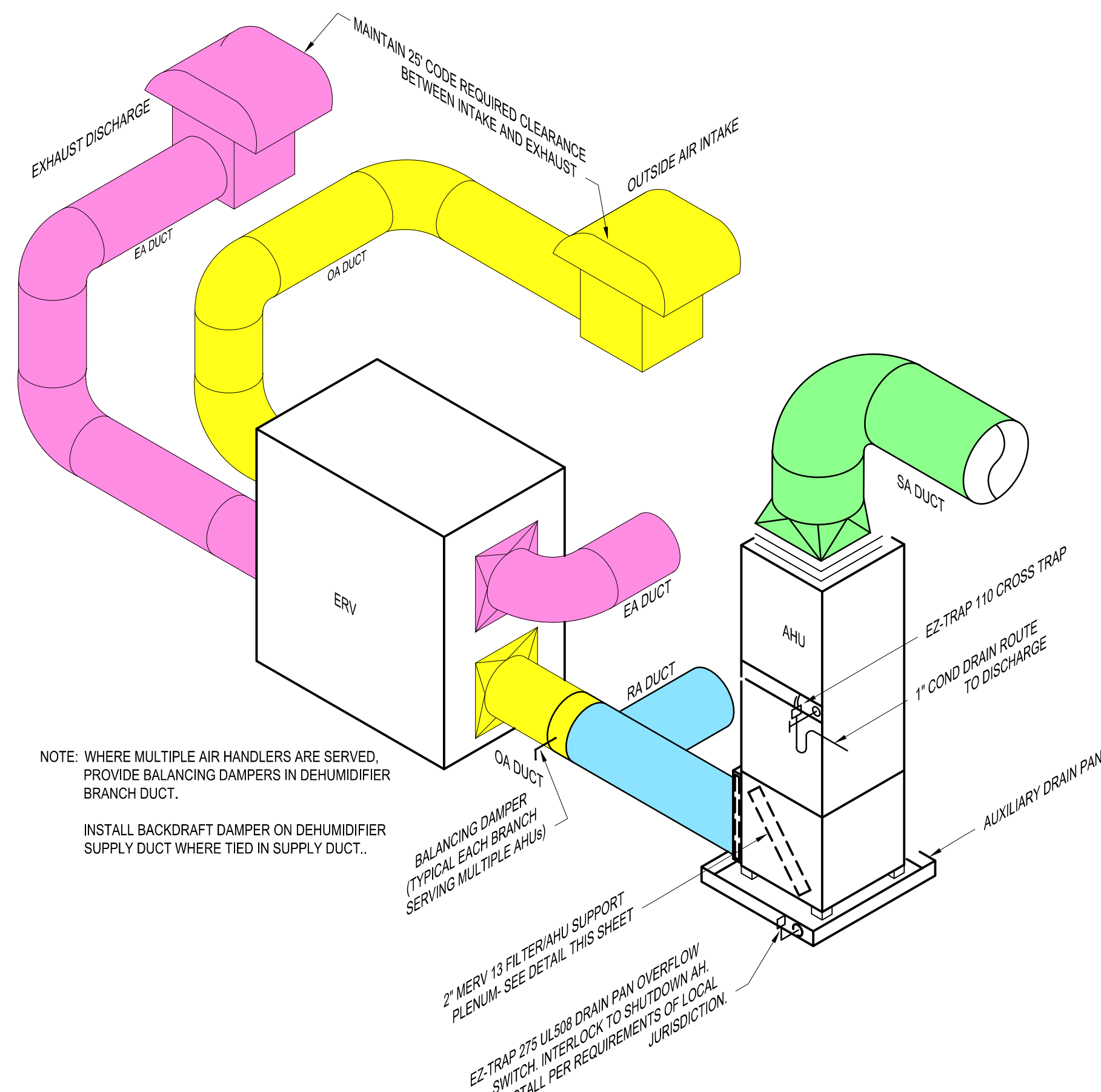
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DAVID R. POLSTON - ARCHITECT

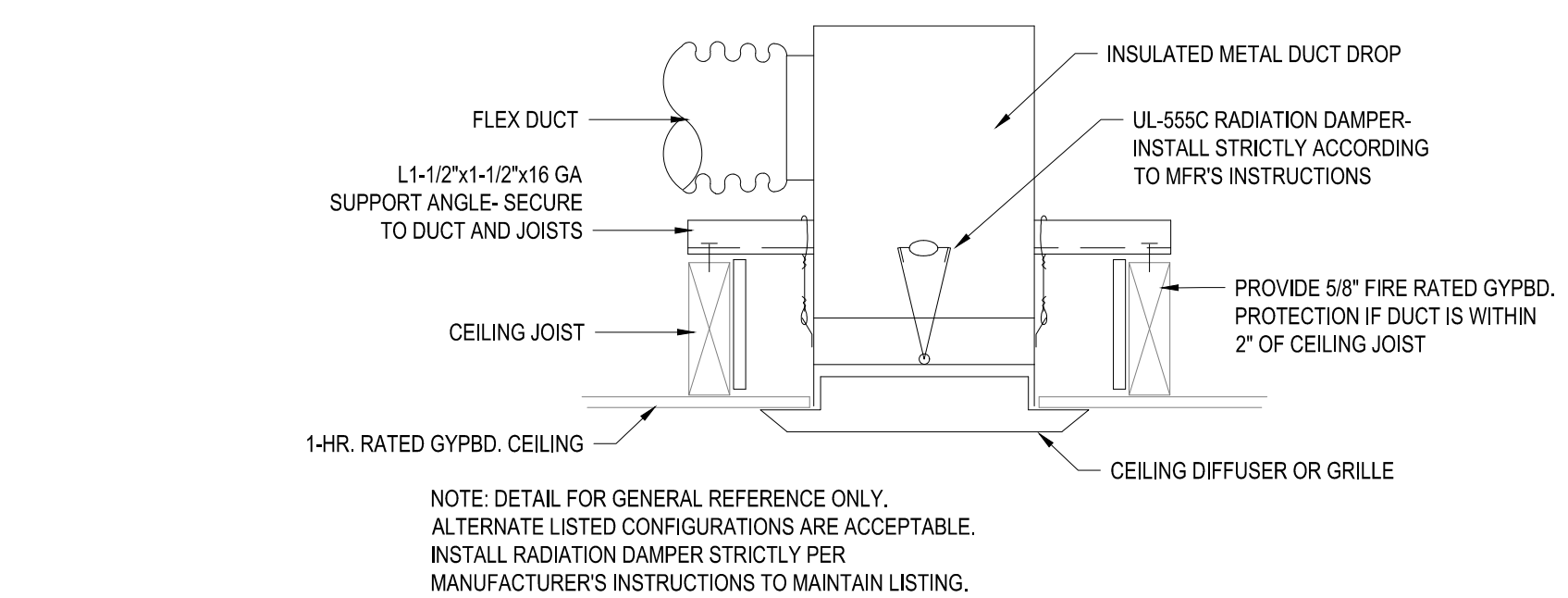
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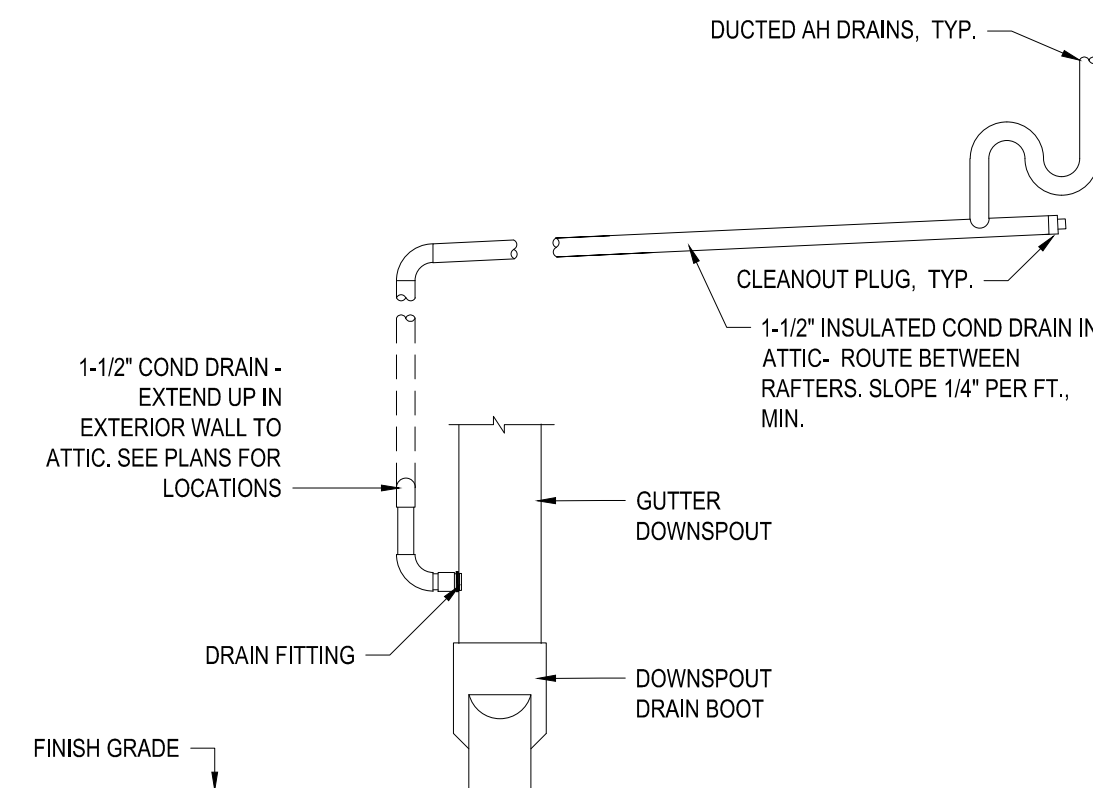
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1 - ERV / AHU / DEHUMIDIFIER DETAIL
NOT TO SCALE

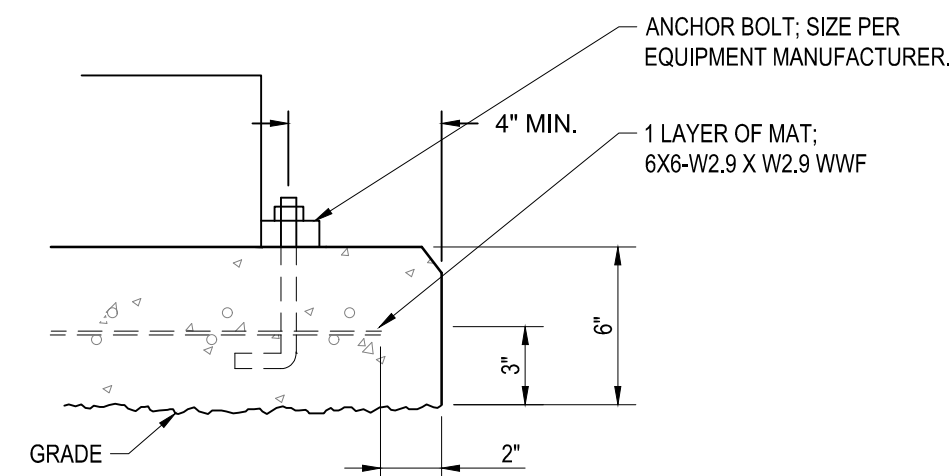


2 - RADIATION DAMPER DETAIL
NOT TO SCALE

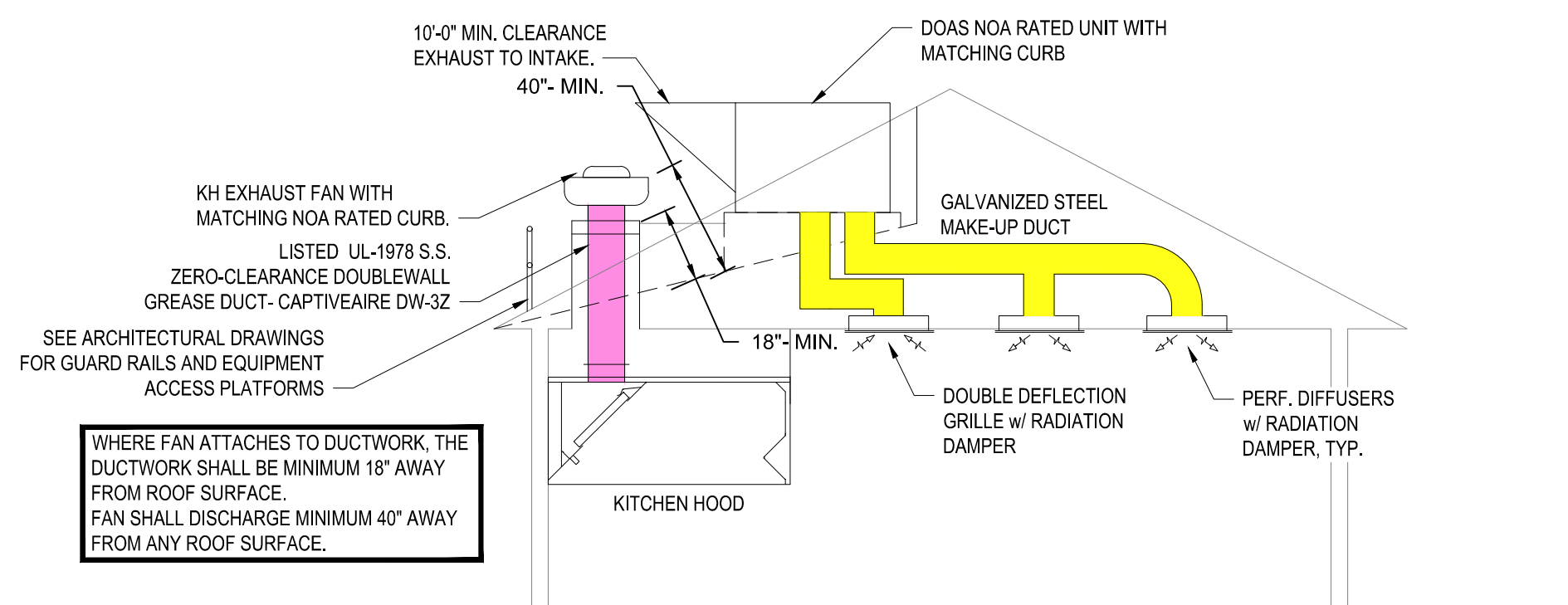


3 - CONDENSATE DRAIN/ DISCHARGE DETAIL
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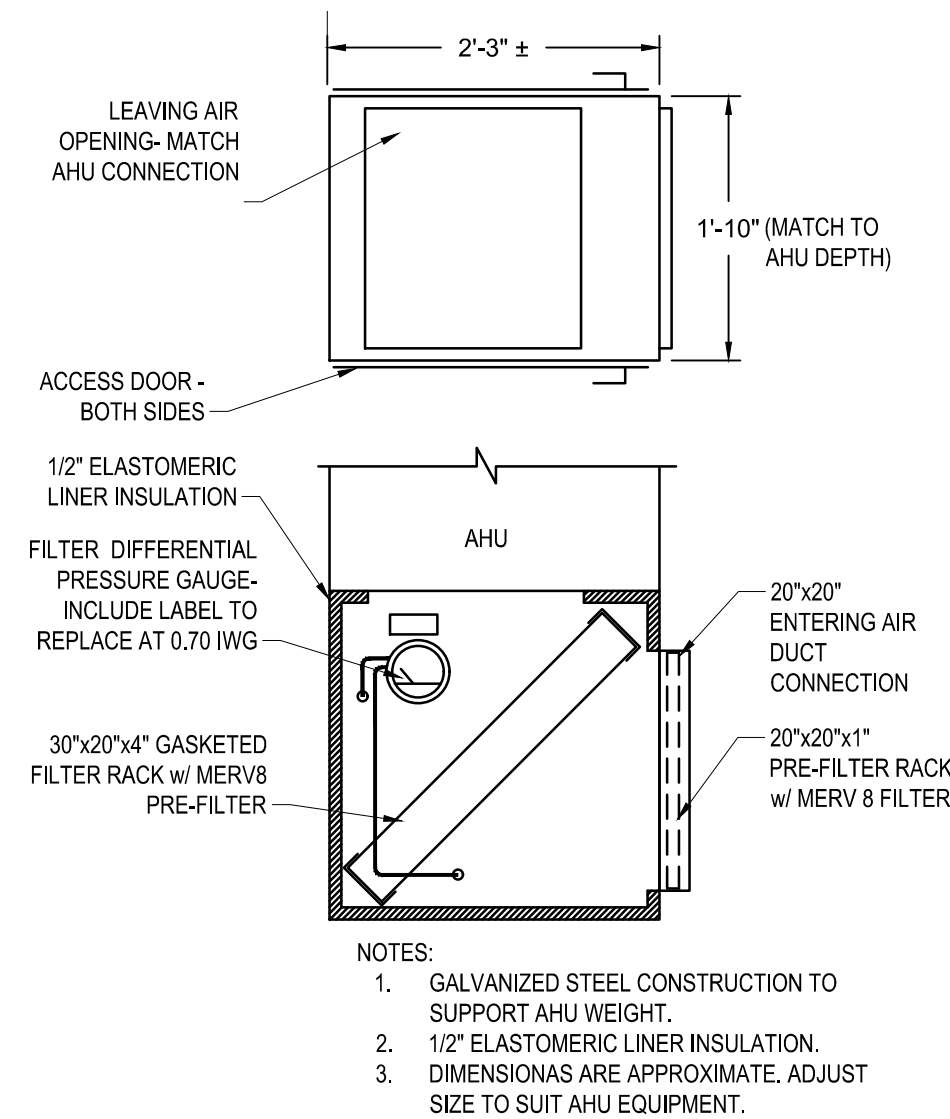
- NOTE:
1. MESH SHALL BE FURNISHED IN SHEETS.
 2. ALL PAD EDGES SHALL BE CHAMFERED.
 3. CONCRETE COMPRESSIVE STRENGTH SHALL BE 3,000 PSI AT 28 DAYS
 4. ONLY ANCHOR EQUIPMENT WITH MANUFACTURER SUPPLIED ANCHOR MOUNTS



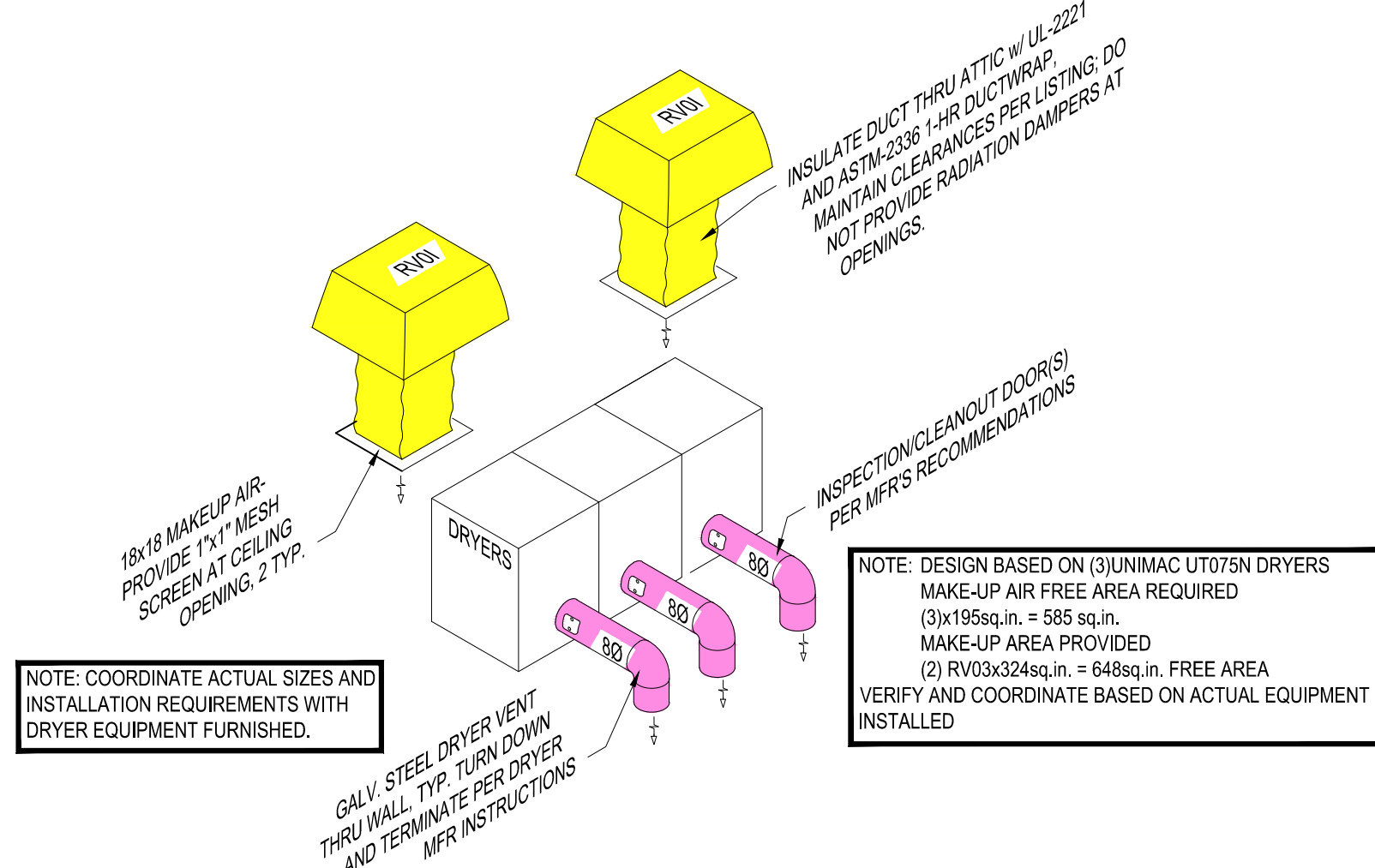
4 - EQUIPMENT PAD DETAIL
NOT TO SCALE



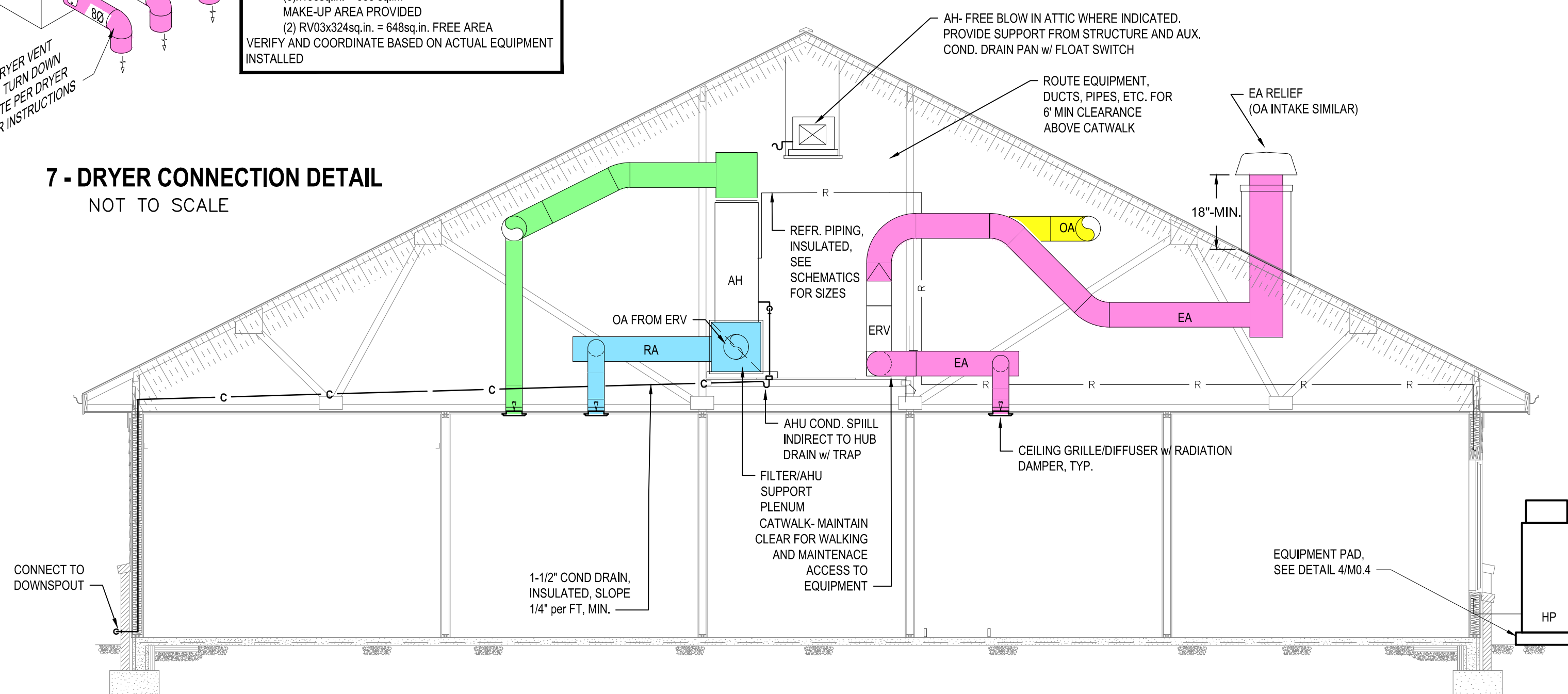
5 - KITCHEN HOOD DETAIL
NOT TO SCALE



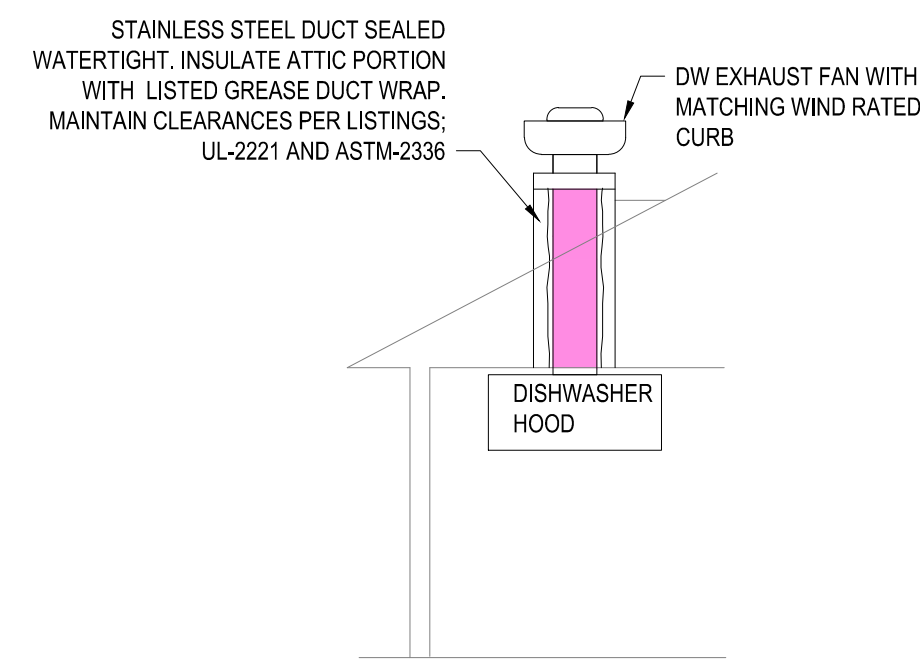
9 - FILTER/AHU SUPPORT PLENUM DETAIL
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7 - DRYER CONNECTION DETAIL
NOT TO SCALE



8 - TYPICAL BUILDING SECTION
NOT TO SCALE



6 - DISHWASHER HOOD DETAIL
NOT TO SCALE

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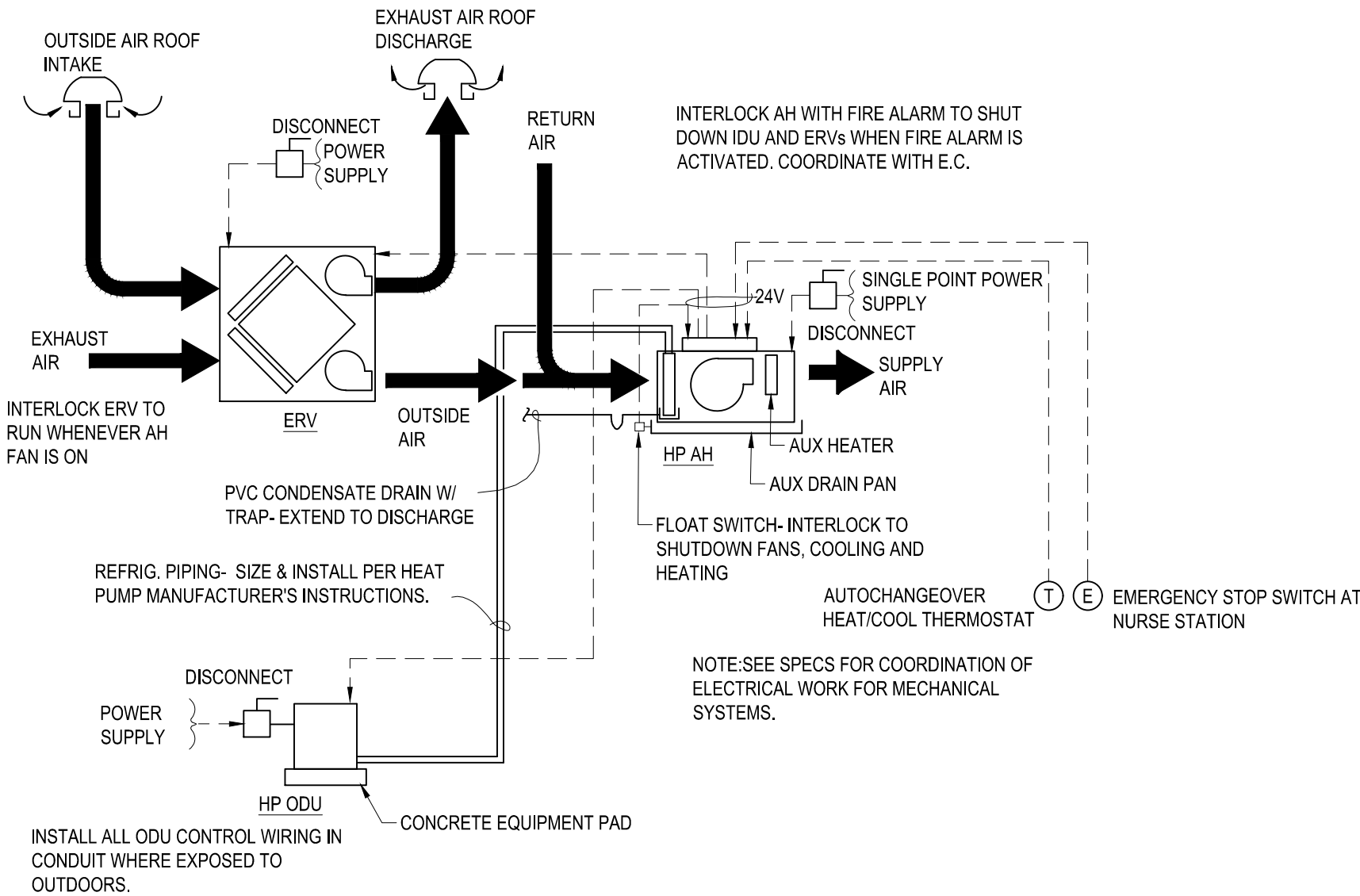
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PRINCIPLE HEALTH CARE
WAKE COUNTY
Holly Springs, North Carolina

David R. Polston - Architect
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Architecture Planning Design

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NURSING FACILITY
MECHANICAL
DETAILS

M0
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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 TO START/STOP WITH HEAT PUMP INDOOR AIR HANDLER FAN. 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.

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.

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.

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.

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NURSING FACILITY
CONTROL SCHEMATICS

M0
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HOOD INFORMATION – JOB#8326937

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	H-1, K14L	6018 SND-2	CAPTIVEAIRE	9' 0"	600 DEG	I	HEAVY	206	1850			4"	14"	1850	1731	-0.704"	430 SS WHERE EXPOSED	LEFT	ALONE
2	H-2, K14R	6018 SND-2	CAPTIVEAIRE	9' 0"	600 DEG	I	HEAVY	222	2000			4"	14"	2000	1871	-0.822"	430 SS WHERE EXPOSED	RIGHT	ALONE
3	H-3, K2.1	4818 VHB-G	CAPTIVEAIRE	7' 6"	700 DEG	II	N/A	120	900			4"	12"	900	1146	-0.095"	430 SS 100%	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	TYPE	FILTER(S)				LIGHT(S)				UTILITY CABINET(S)				FIRE SYSTEM PIPING	HOOD HANGING WEIGHT	
			QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	QTY	TYPE	WIRE GUARD	LOCATION	SIZE	FIRE SYSTEM		ELECTRICAL			SWITCHES
												TYPE	SIZE	MODEL #			QUANTITY
1	H-1, K14L	CAPTRATE SOLO FILTER	6	20"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO						YES	563 LBS	
2	H-2, K14R	CAPTRATE SOLO FILTER	6	20"	16"	85% SEE FILTER SPEC	3	RECESSED ROUND	NO						YES	562 LBS	
3	H-3, K2.1						0								NO	202 LBS	

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	H-1, K14L	FIELD WRAPPER 11.00" HIGH FRONT, LEFT.
		BACKSPLASH 74.00" HIGH X 218.00" LONG 430 SS VERTICAL.
		BACKSPLASH 109.00" HIGH X 48.00" LONG 430 SS VERTICAL.
		BACKSPLASH 109.00" HIGH X 12.00" LONG 430 SS VERTICAL.
		LEFT END STANDOFF(FIN/SLP) 1" WIDE 60" LONG INSULATED.
		BALANCE DAMPERS.
		INSULATION FOR TOP OF HOOD.
		LEFT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 74" HIGH INSULATED 430 SS.
2	H-2, K14R	SENSOR-CV.
		FIELD WRAPPER 11.00" HIGH FRONT, RIGHT.
		RIGHT END STANDOFF(FIN/SLP) 1" WIDE 60" LONG INSULATED.
		BALANCE DAMPERS.
		INSULATION FOR TOP OF HOOD.
		RIGHT VERTICAL END PANEL 27" TOP WIDTH, 21" BOTTOM WIDTH, 74" HIGH INSULATED 430 SS.
		SENSOR-CV.
		FIELD WRAPPER 11.00" HIGH FRONT, LEFT, RIGHT.

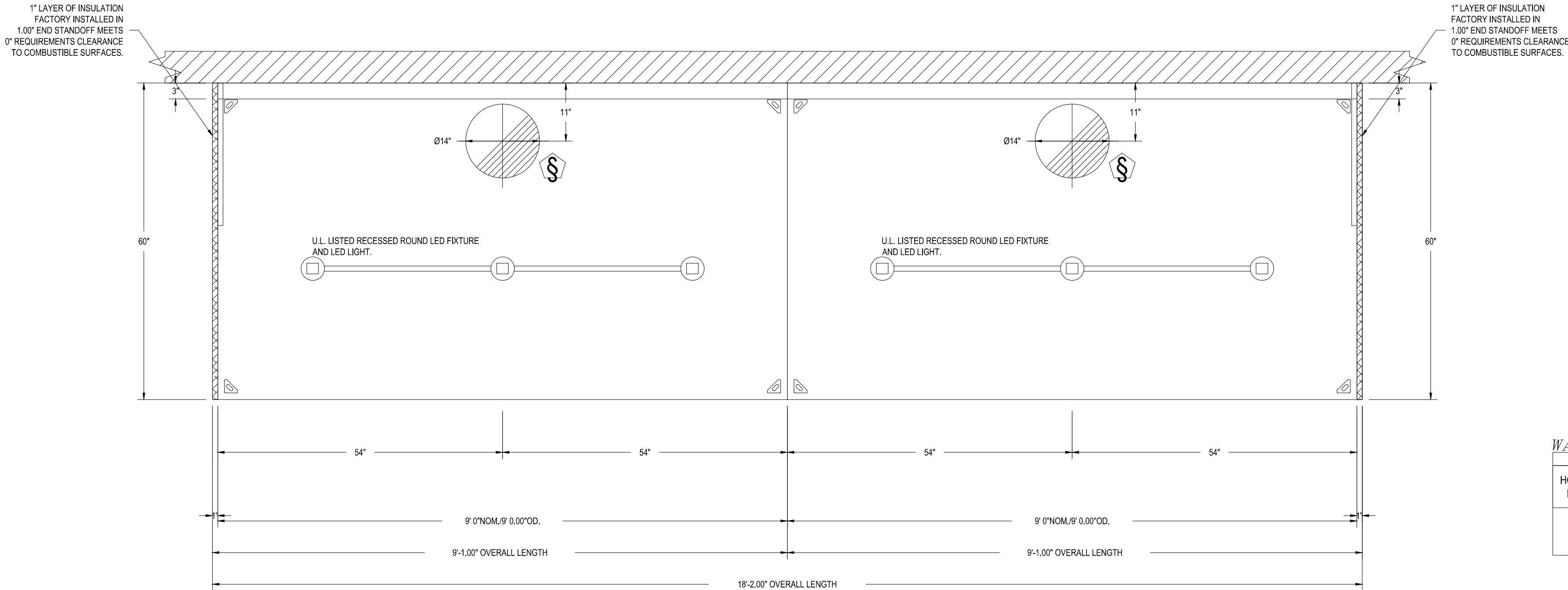
WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S)				WEIGHT
			TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	
1	WALL MNT	12"x54"x24"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	340.00 LBS

CLEARANCE TO COMBUSTIBLES

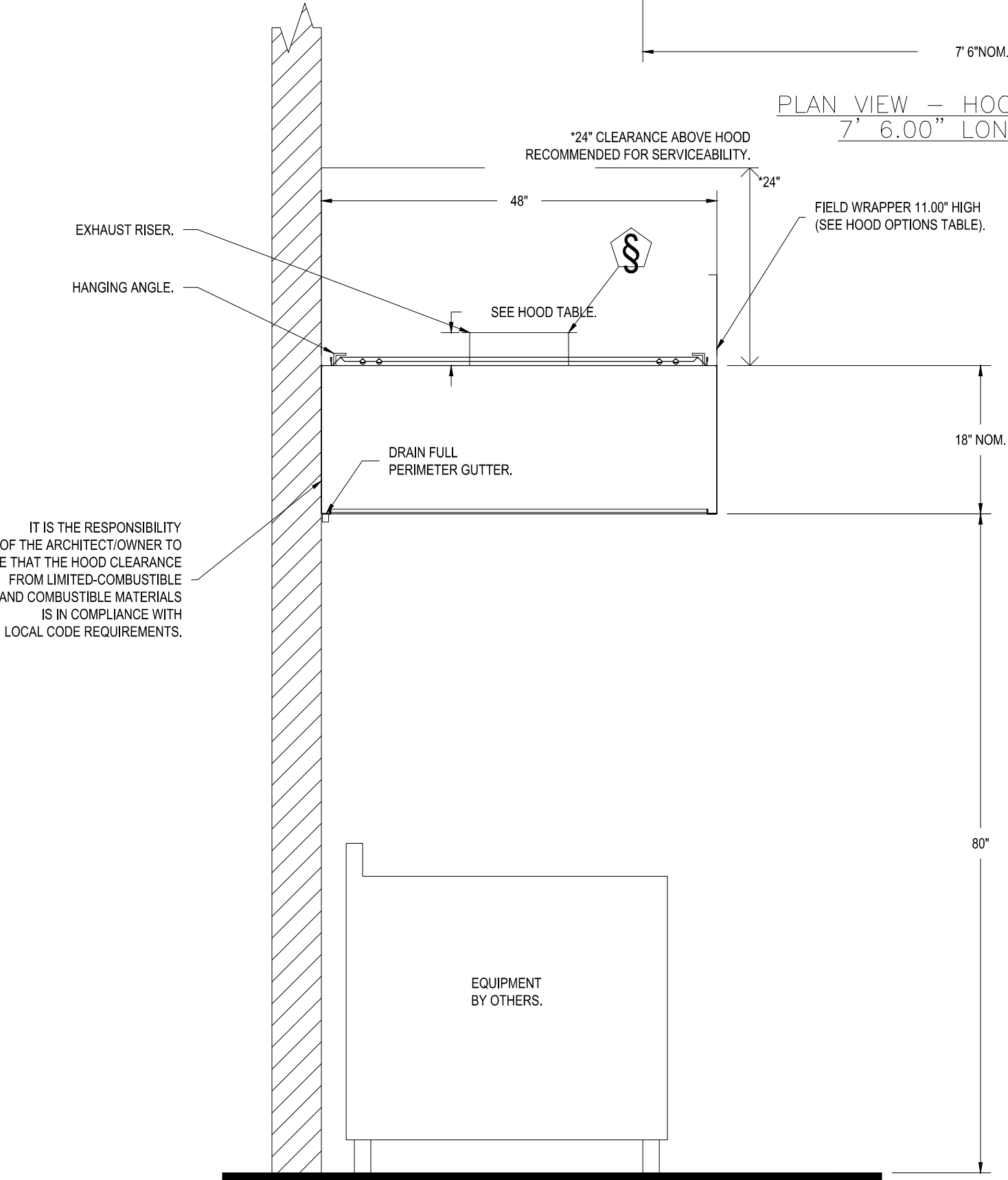
HOODS #	SURFACE	*CLEARANCE
1	TOP	0"
	FRONT	0"
	BACK	18"
	LEFT	0"
	RIGHT	18"
2	TOP	0"
	FRONT	0"
	BACK	18"
	LEFT	18"
	RIGHT	0"

* 0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.

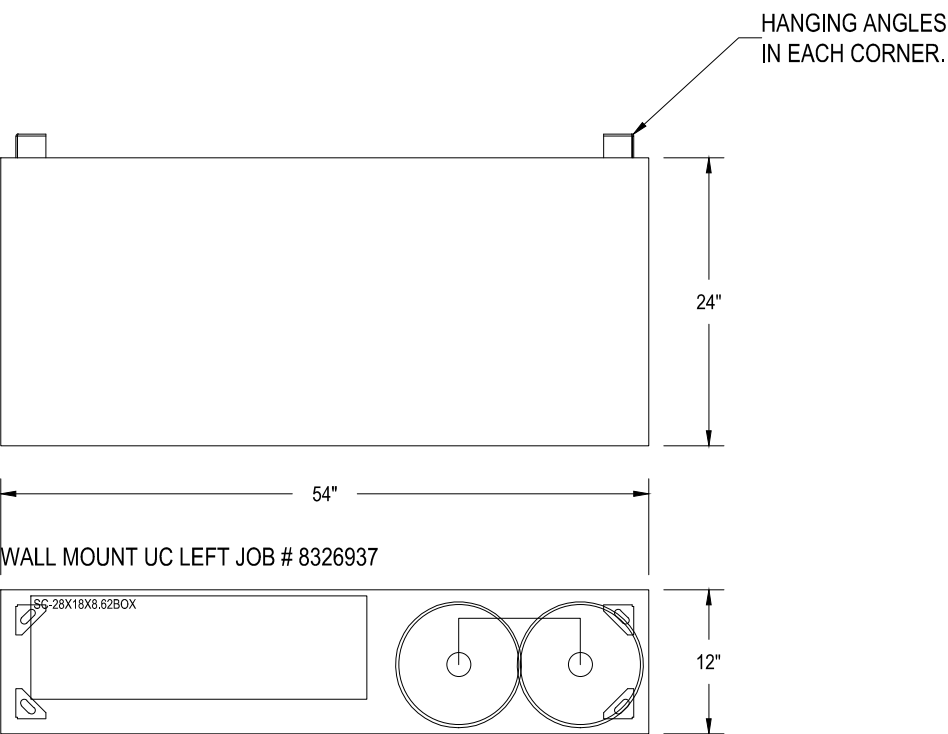


PLAN VIEW – HOOD #1 (H-1, K14L)
9' 0.00" LONG 6018SND-2

PLAN VIEW – HOOD #2 (H-2, K14R)
9' 0.00" LONG 6018SND-2



SECTION VIEW – MODEL 4818VHB-G
HOOD – #3 (H-3, K2.1)



WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S)				WEIGHT
			TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	
1	WALL MNT	12"x54"x24"	TANK FS	4.0/4.0	DCV-1111	1 LIGHT 1 FAN	340.00 LBS

NOTE: BASIS OF DESIGN IS BY CAPTIVEAIRE- REFERENCE JOB #8326937. HOODS PROVIDED BY OTHERS AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR.

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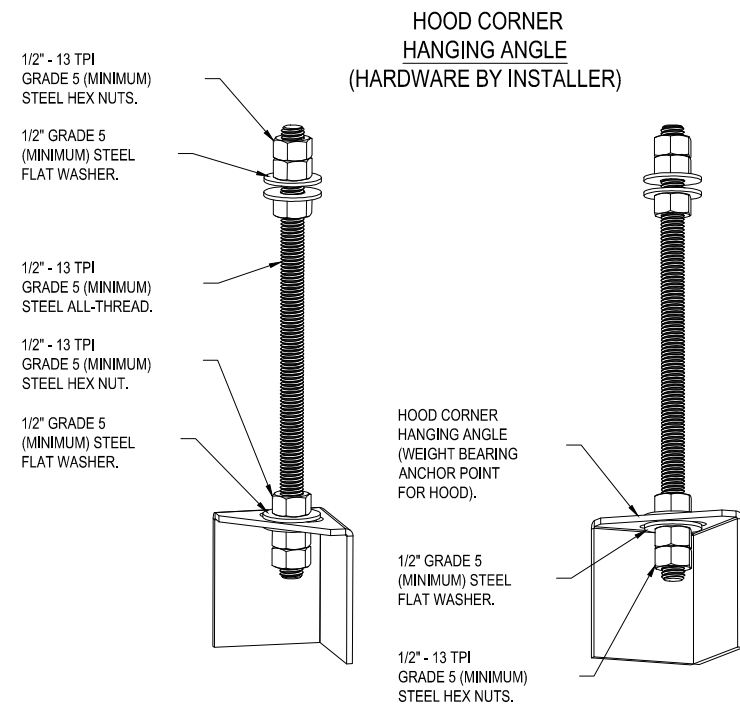
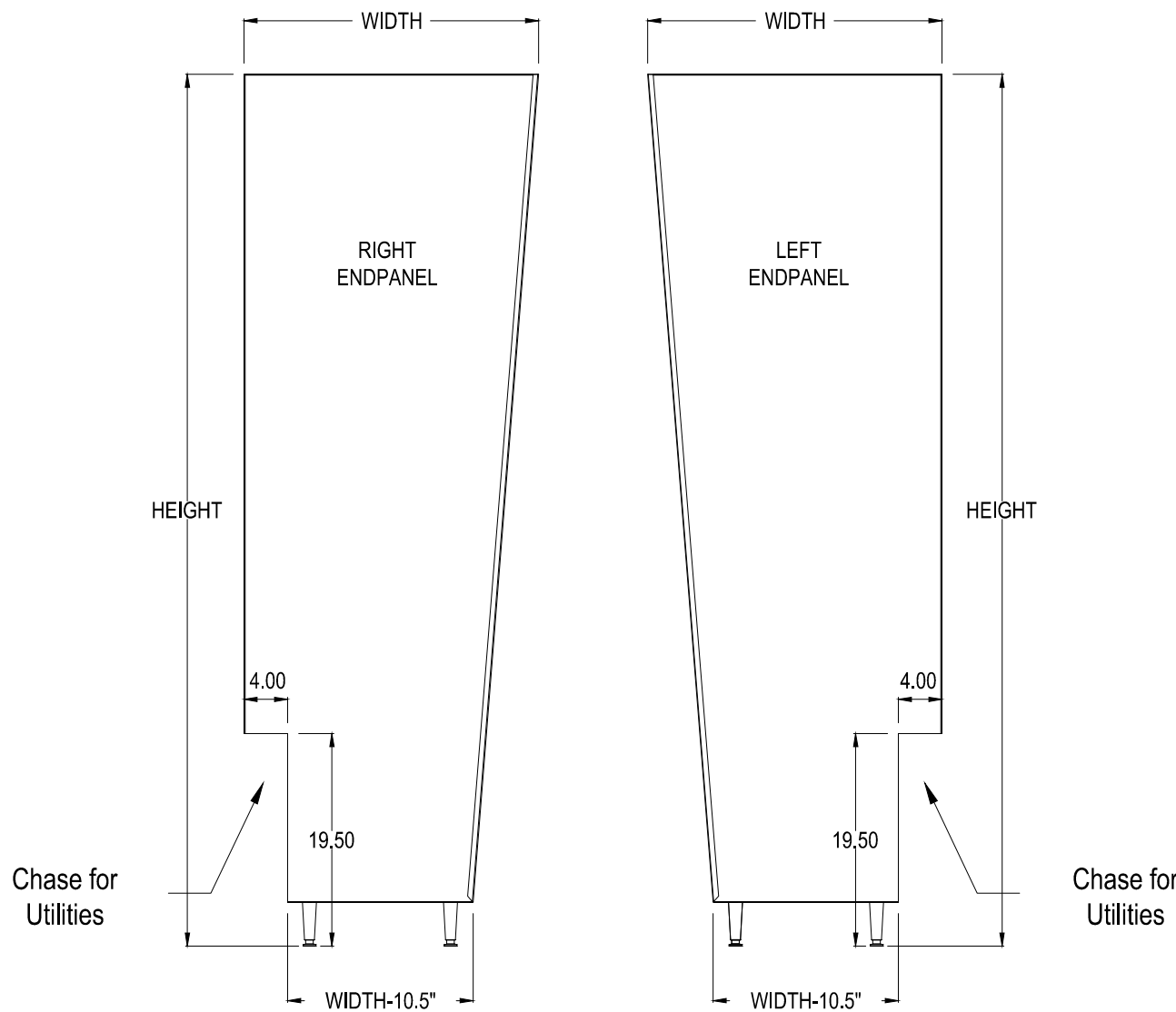
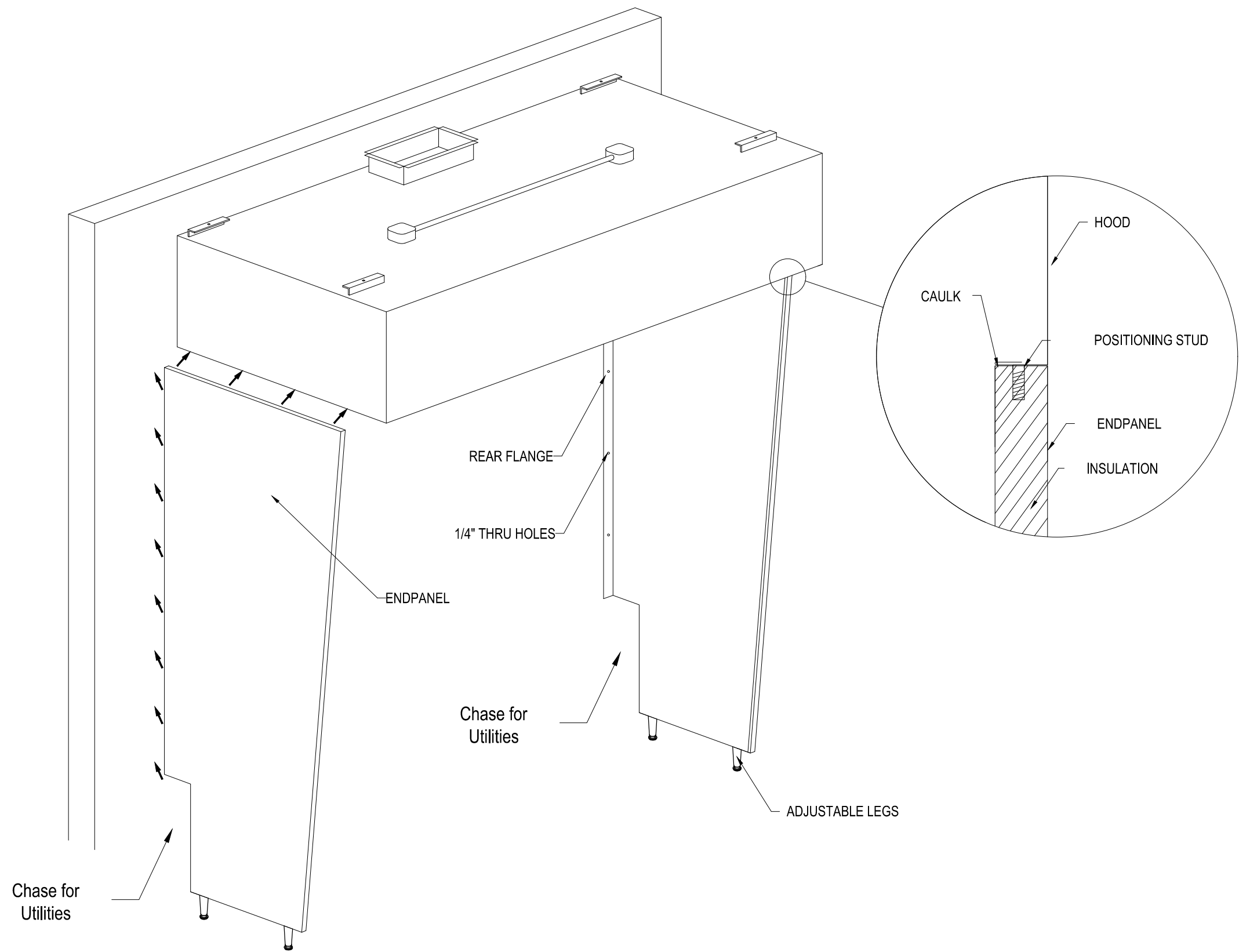
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Holly Springs, North Carolina

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KITCHEN HOOD
DETAILS

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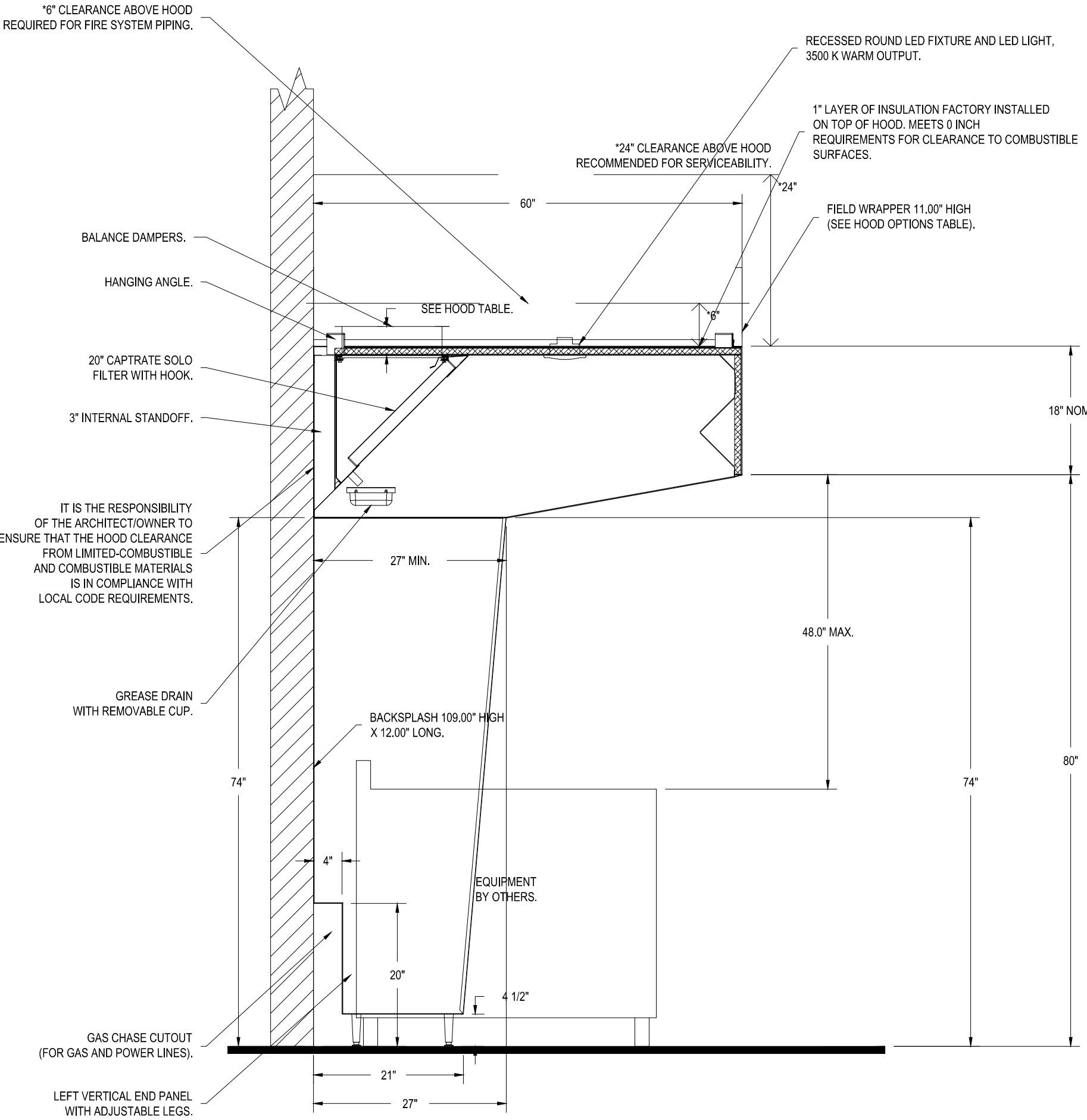
ND-2 VERTICAL ENDPANEL



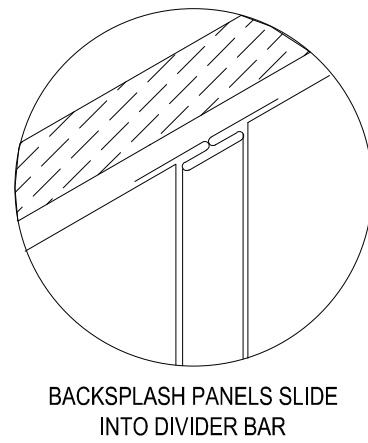
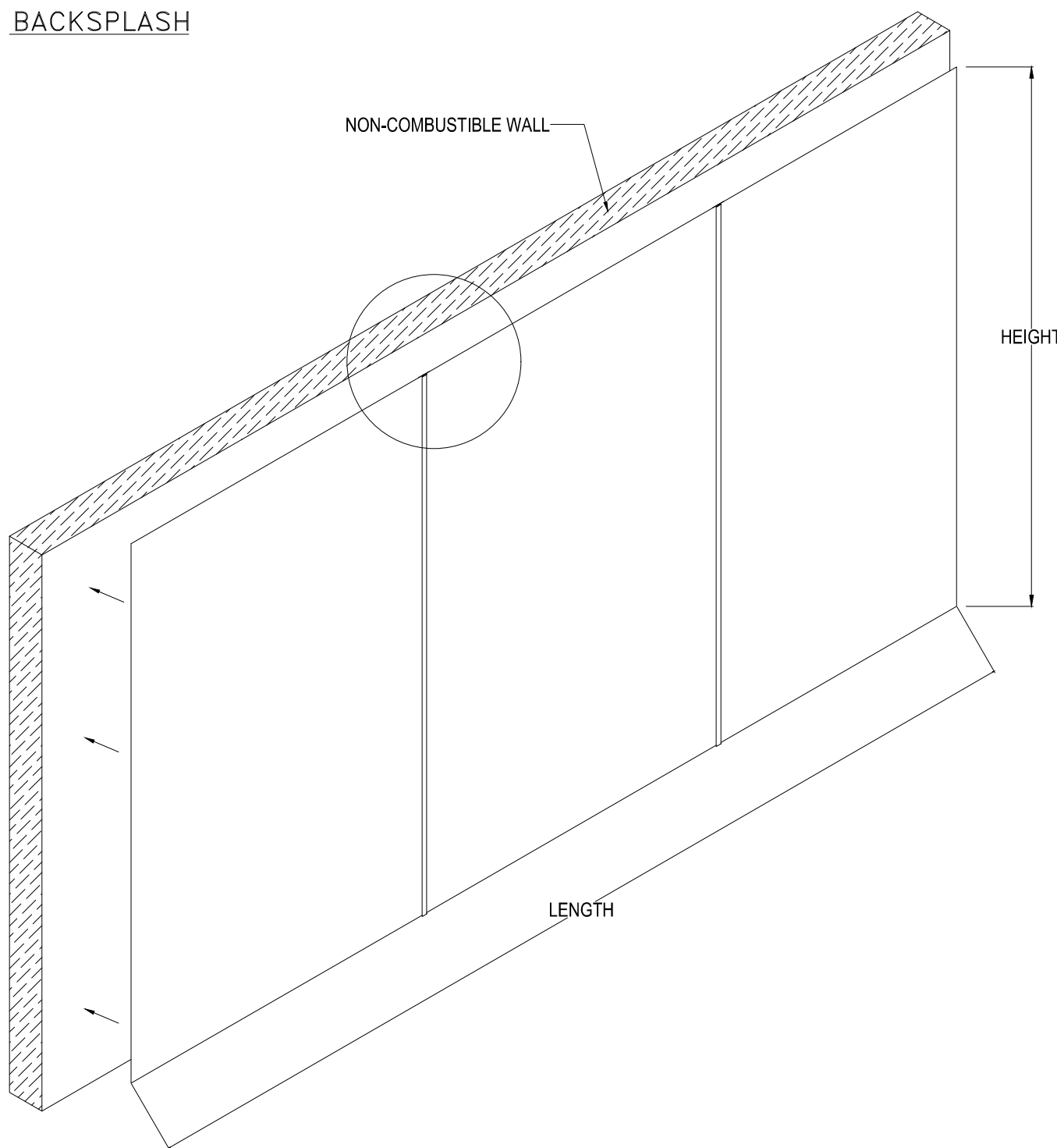
ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT, TORQUE ALL HEX NUTS TO 57 FT-LBS.

NOTE: BASIS OF DESIGN IS BY CAPTIVEAIRE- REFERENCE JOB #8326937. HOODS PROVIDED BY OTHERS AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR.



BACKSPLASH



- BACKSPLASH IS NOT INSULATED AND IS UNSUITABLE FOR INSTALL AGAINST COMBUSTIBLE WALLS

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EXHAUST FAN INFORMATION – JOB#8326937

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENGL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	EF-1	1	DU180HFA	CAPTIVEAIRE	1850	1.250	1071	ODP,PREMIUM	1.500	0.8200	3	208	6.6	427 FPM	178	11.4
2	EF-2	1	DU180HFA	CAPTIVEAIRE	2000	1.300	1103	ODP,PREMIUM	1.500	0.9110	3	208	6.6	462 FPM	178	12.2
3	EF-3	1	DU50HFA	CAPTIVEAIRE	900	0.600	1108	TEAO-ECM	0.500	0.1900	1	115	6.3	342 FPM	71	8.3

DOAS/RTU FAN SCHEDULE – JOB#8326937

FAN INFORMATION										ELECTRICAL INFORMATION						COOLING INFORMATION						REHEAT INFORMATION				GAS HEAT INFORMATION			A2L MINIMUM ROOM VOLUME			NOTES											
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	OUTSIDE AIR DB	WB	MIXED AIR DB	WB	LEAVING AIR DB			WB	DP	TOTAL	SENS.	IEER	ISMRE2	DISCHARGE DB		WB		CAPACITY DESIRED		MAX	MOISTURE REMOVAL RATE	GAS TYPE	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	ROOM AREA (FT2)	AIRFLOW (CFM)
4	MUA-1	1	CASH-HVAC34-400-24-30T	CAPTIVEAIRE	24MF-3-RTU	4000	4000	0	3247	0.600	5.00	3	208	141.2A	150A	88.7°F	79.4°F	88.7°F	79.4°F	53.7°F	53.7°F	53.7°F	359.1 MBH	152.1 MBH	14.9	5.8	70.0°F	62.5°F	73.2 MBH	204.6 MBH	182.2 LBS/HR	NATURAL	319627	258898	55°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			
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, 15:1 TURNDOWN WITH NG AND 12:1 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. DOWN DISCHARGE/DOWN RETURN 16. 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. 17. SCCR RATING OF 10kAMP																																											

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	EF-1	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
2	EF-2	1	GREASE BOX
		1	FAN BASE CERAMIC SEAL - DU/DR180HFA - INSTALLED AT PLANT - FOR GREASE DUCTS
		1	2 YEAR PARTS WARRANTY
3	EF-3	1	ECM WIRING PACKAGE - MANUAL OR 0-10VDC REFERENCE SPEED CONTROL -RTC- (TELCO MOTOR), CCW ROTATION
		1	2 YEAR PARTS WARRANTY
		1	INLET PRESSURE GAUGE, 0-35"
4	MUA-1	1	COOLING OVERRIDE
		1	RTU BLOWER DOOR SWITCH
		1	RTU3 DOWN DISCHARGE, 400, 500 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	OCCUPIED SCHEDULING
		1	INTAKE FIRESTAT SET TO 135°F
		1	FREEZESTAT
		1	DISCHARGE FIRESTAT SET TO 240°F
		1	CASLINK BUILDING MONITORING SYSTEM - INTERNET OR CELLULAR CONNECTION REQUIRED
		1	RTU3 CURB DUCT HANGER
		1	24VAC FIRE INPUT
		1	HIGH TURNDOWN OPTION FOR PARAGON UNITS
		1	MANIFOLD PRESSURE GAUGE, 0 TO 10" WC, 2 FURNACES
		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	30 TON MODULATING REHEAT OPTION FOR SIZE 3 CABINET - SPACE DEWPOINT CONTROL - R454B
		1	2" METAL MESH FILTERS FOR RTU3 OUTDOOR INTAKE
		1	RTU SIZE 3 INTAKE HOOD, SHIPPED LOOSE
		1	VAV PACKAGE W/ 0-10VDC INPUT CONTROL (571 VFD INCLUDED)
		1	RTU3 DOWN RETURN
		1	RTU INTAKE/RETURN DAMPER - MANUAL CONTROL VIA HMI
		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 "EZ" 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

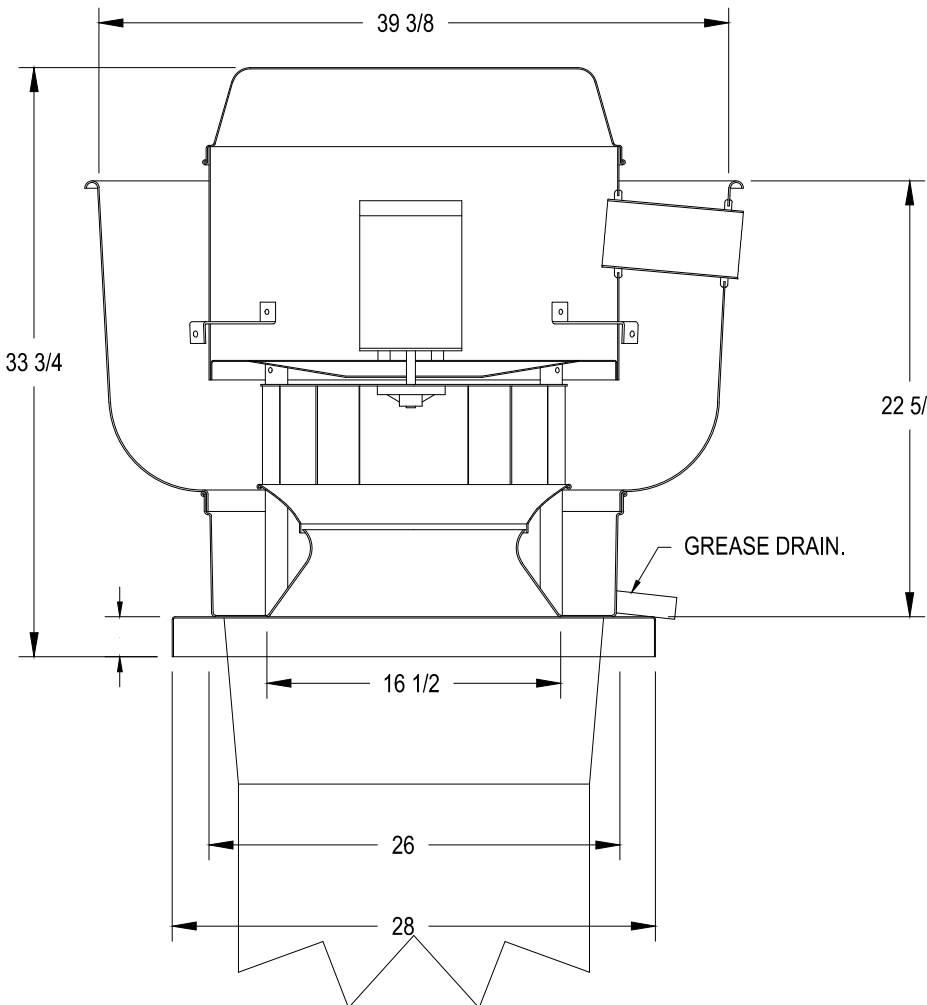
HMI SCHEDULE				
UNIT NUMBER	HMI #	HMI LOCATION	TEMP AVERAGING	MODBUS ADDRESS
FAN #4	HMI #1 - UNIT	IN UNIT	NOT AVERAGED	55
FAN #4	HMI #2 - SPACE		AVERAGED	56

CURB ASSEMBLIES

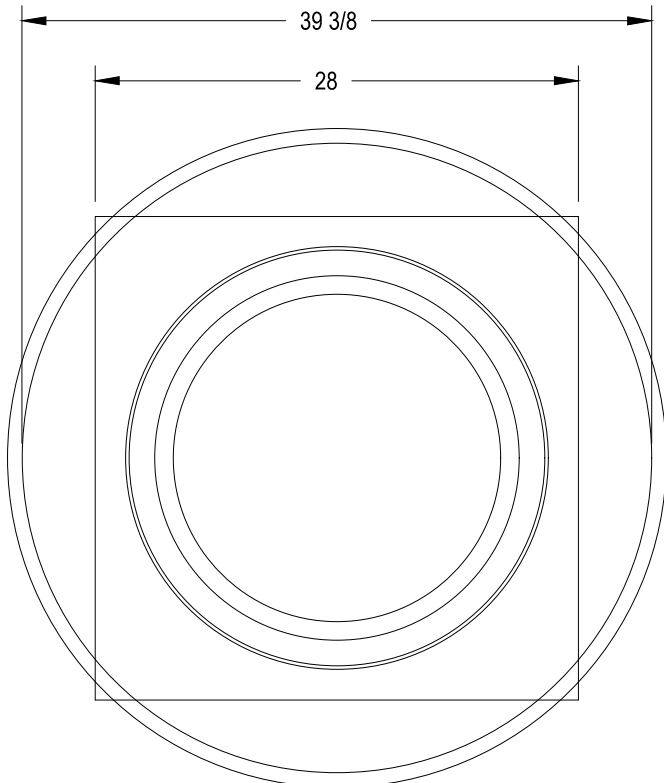
NO	ON FAN	TAG	R-VALUE	WEIGHT	ITEM	SIZE
1	#1	EF-1	4.3	52 LBS	CURB	26.500"W X 26.500"L X 24.000"H 4.000:12.000 PITCH ALONG LENGTH, RIGHT INSULATED VENTED HINGED.
2	#2	EF-2	4.3	52 LBS	CURB	26.500"W X 26.500"L X 24.000"H 4.000:12.000 PITCH ALONG LENGTH, RIGHT INSULATED VENTED HINGED.
3	#3	EF-3	4.3	18 LBS	CURB	19.500"W X 19.500"L X 14.000"H 4.000:12.000 PITCH ALONG LENGTH, RIGHT INSULATED.
4	#4	MUA-1	4.3	122 LBS	CURB	59.500"W X 91.000"L X 18.000"H 4.000:12.000 PITCH ALONG WIDTH, RIGHT INSULATED.

* R4.3 FOIL FACED FIBERGLASS INSULATION. COMPLIES WITH UL/ULC,ASTM, & ASHRAE STANDARDS.

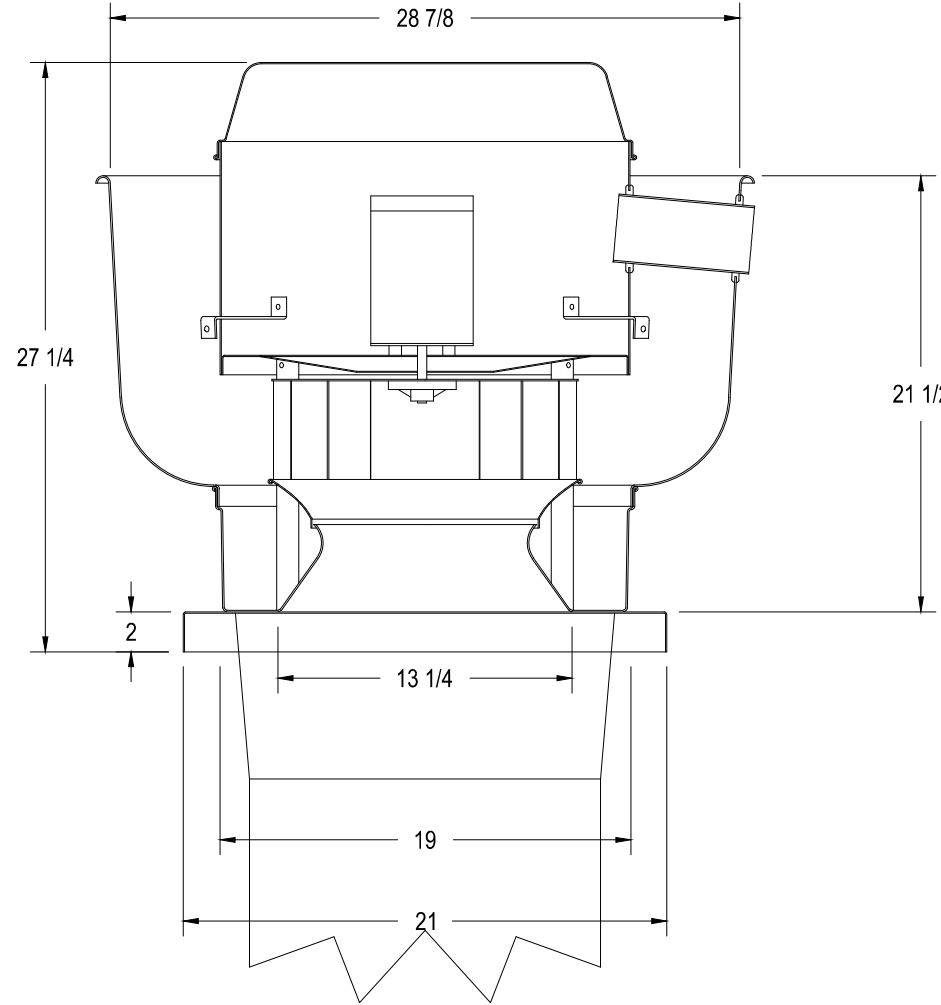
FANS #1 (KEF-1), #2 (KEF-2) - DU180HFA EXHAUST FAN



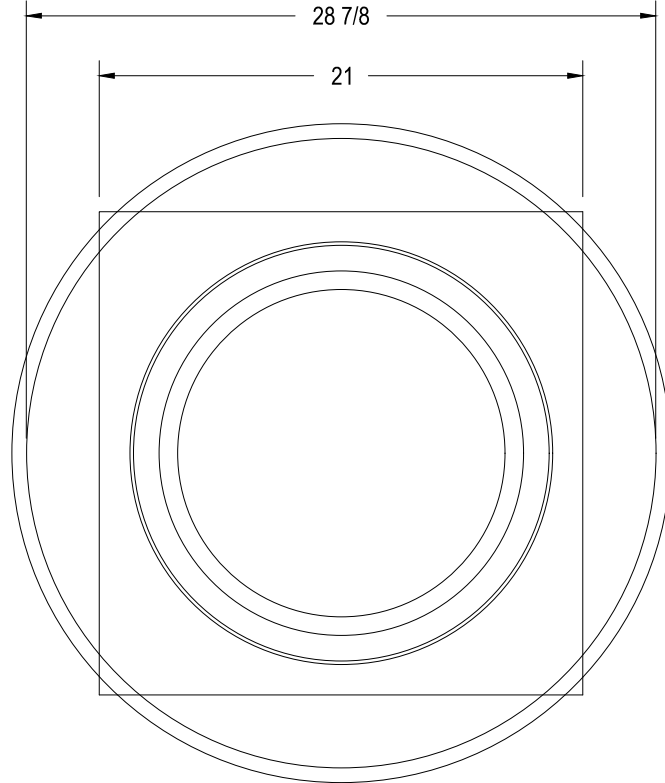
TOP VIEW



FAN #3 DU50HFA - EXHAUST FAN (KEF-3)



TOP VIEW



FEATURES:

- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S845
- 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.

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.

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NURSING FACILITY
KITCHEN HOOD
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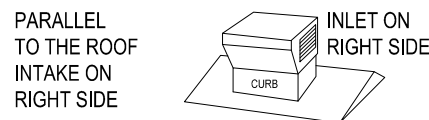
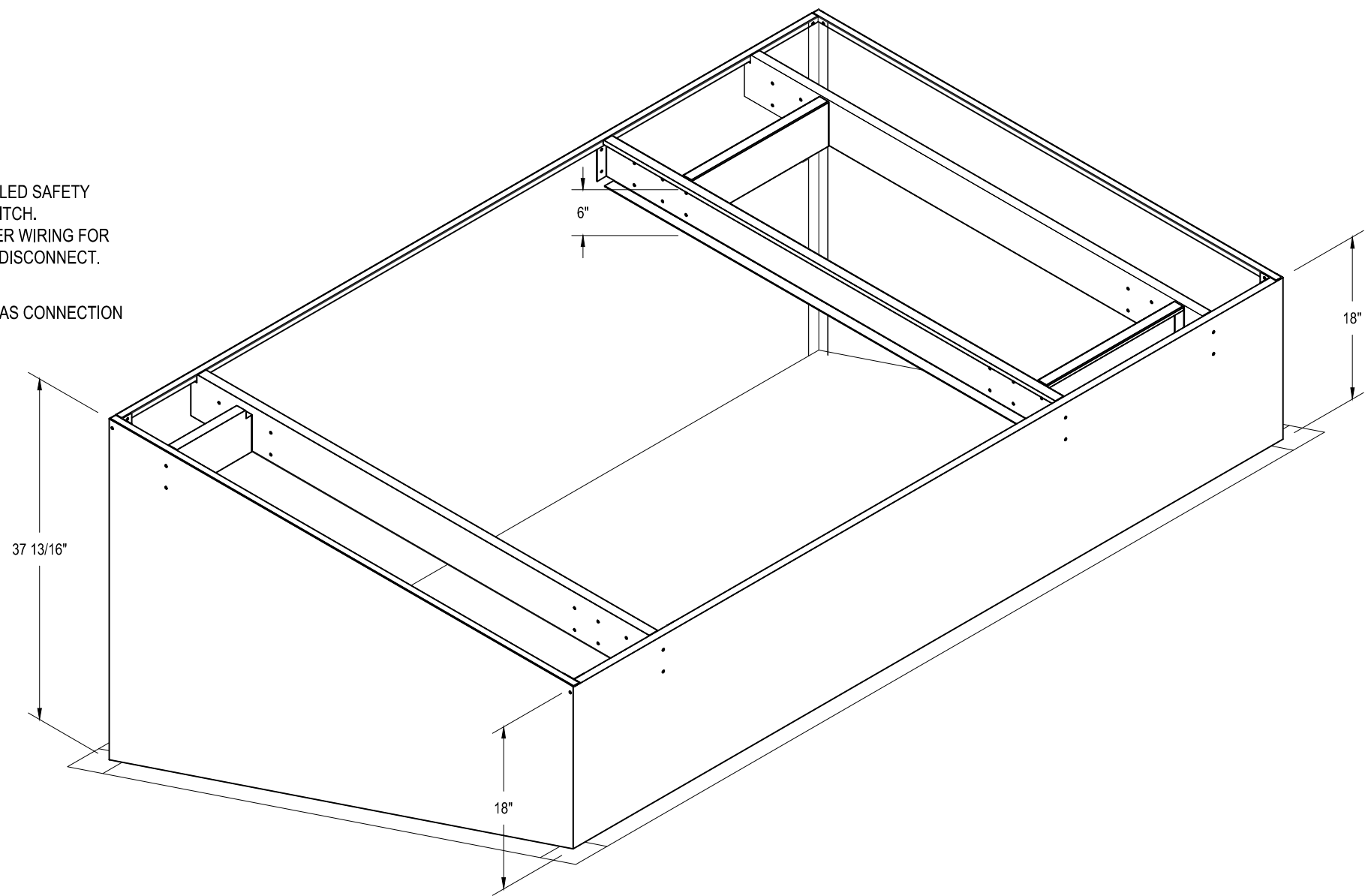
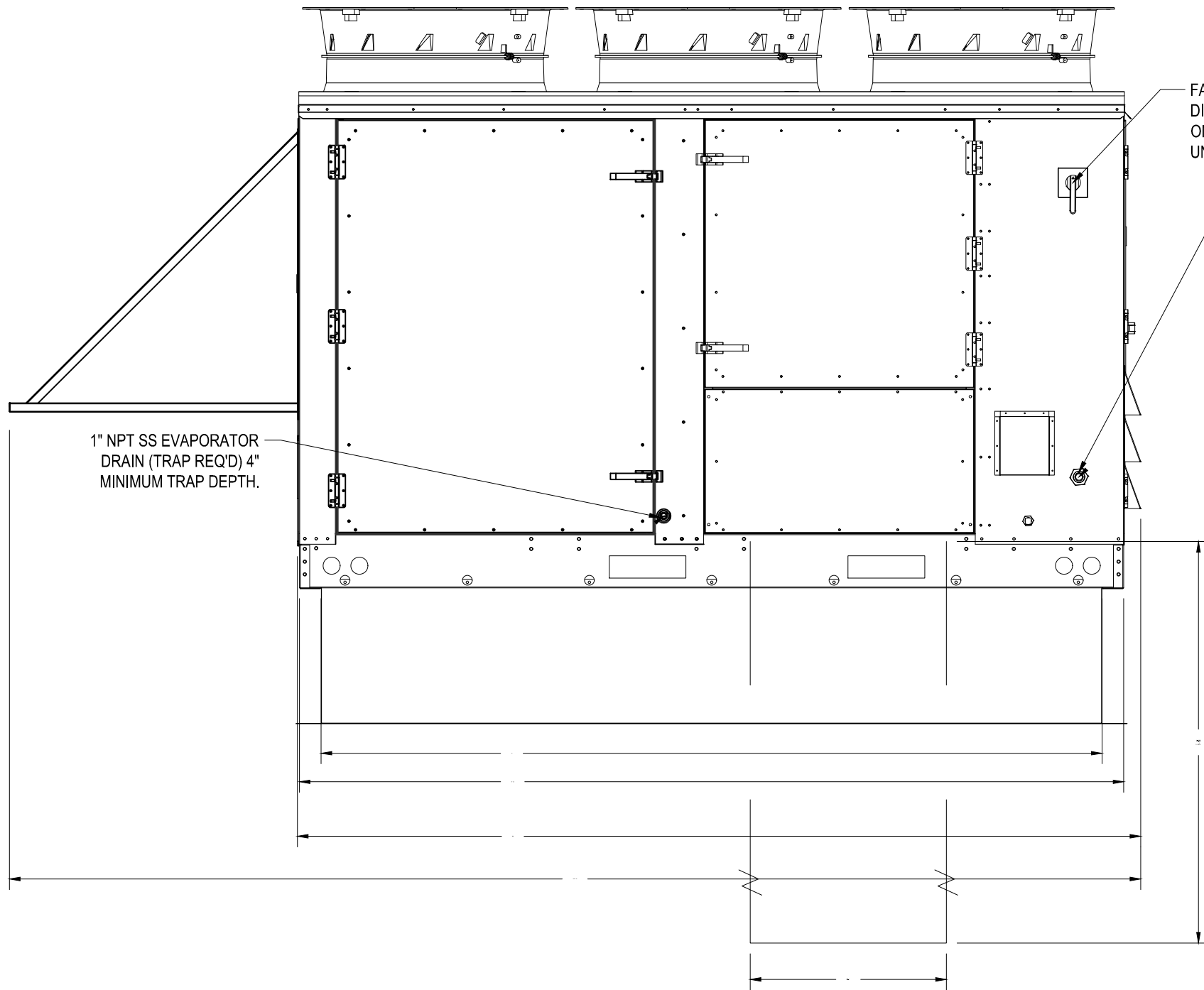
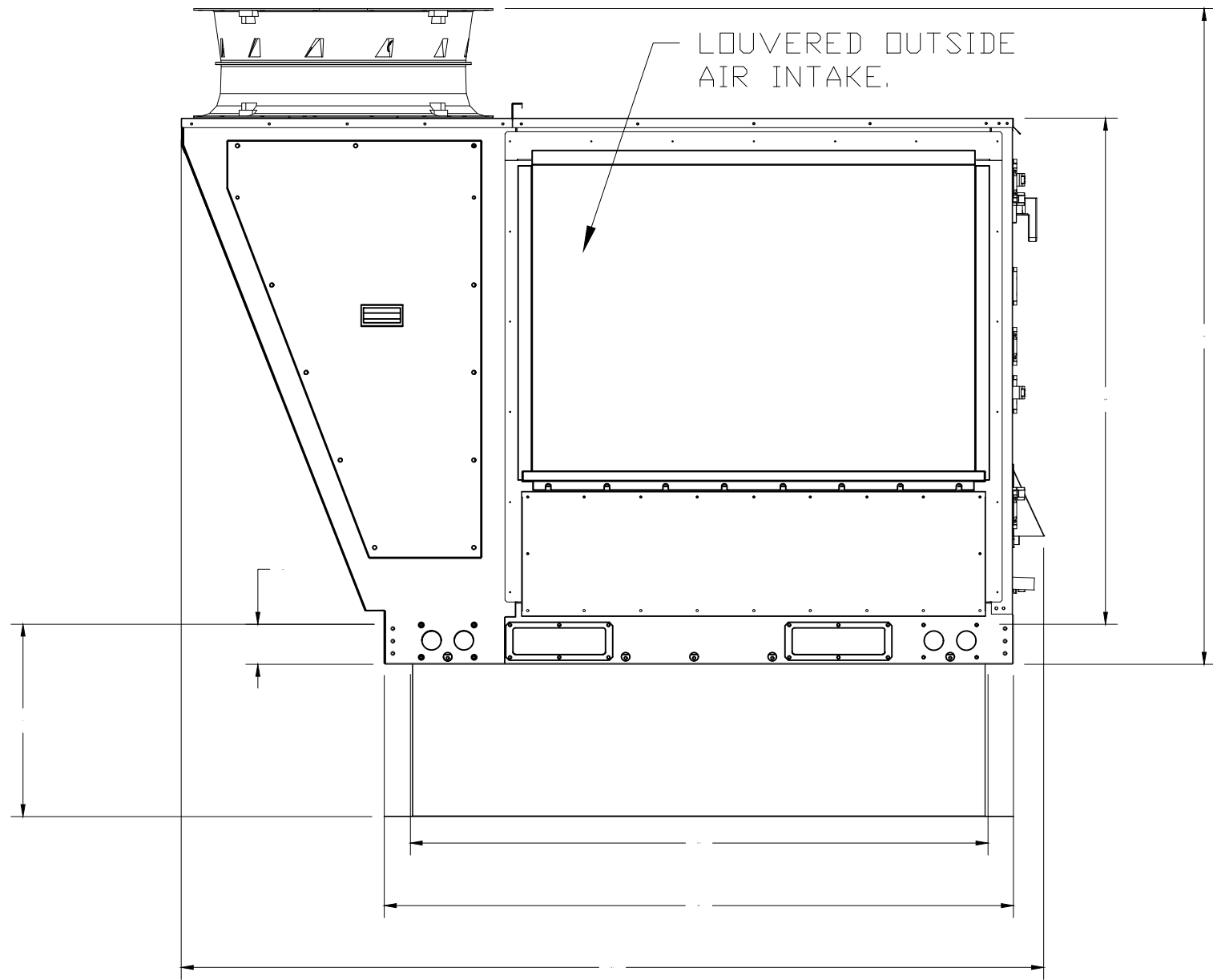
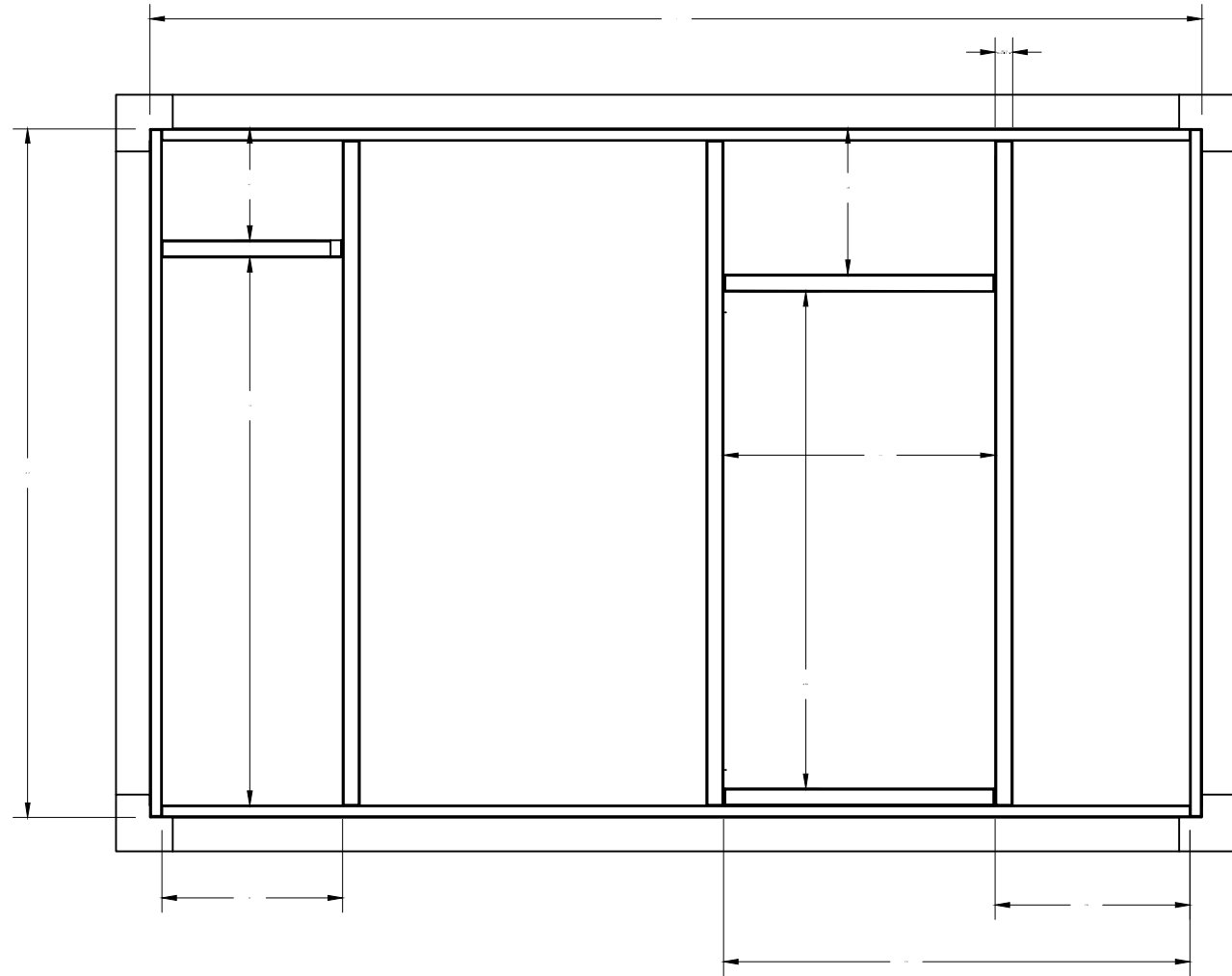
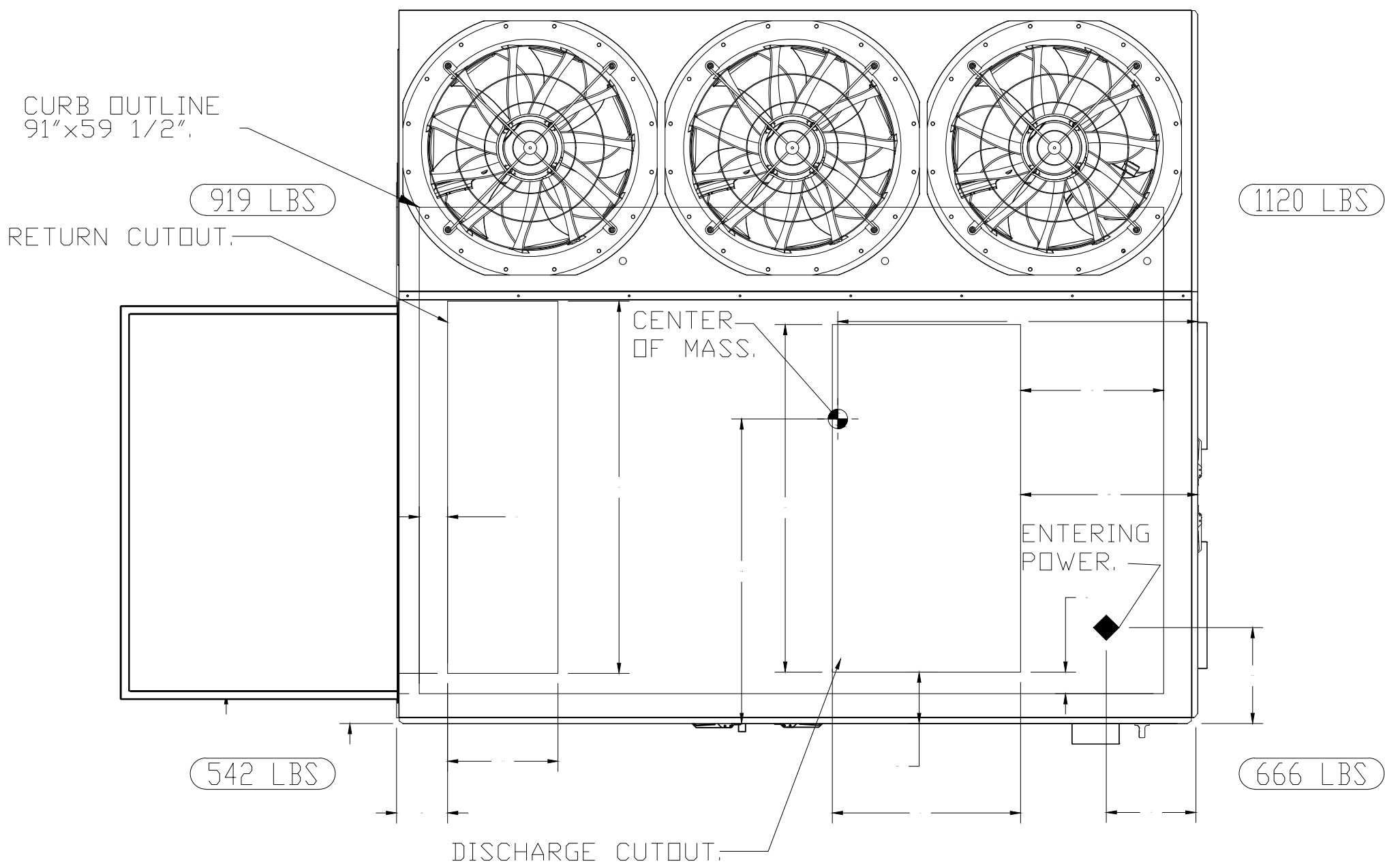
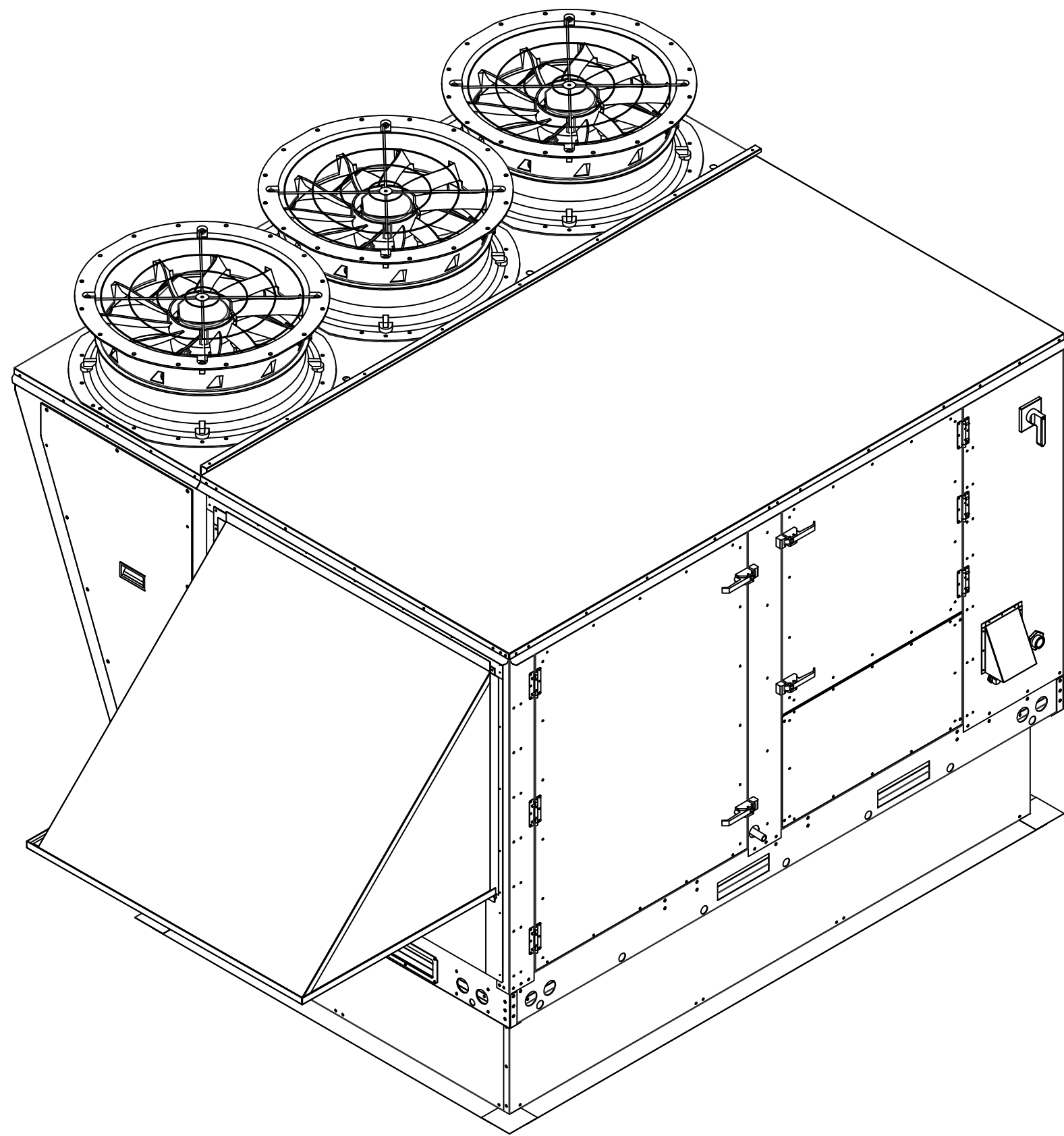
NOTE: BASIS OF DESIGN IS BY CAPTIVEAIRE- REFERENCE JOB #8326937. HOODS PROVIDED BY OTHERS AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR.

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

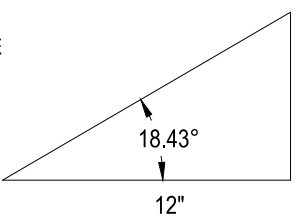
*NOTE: INTEGRAL CO2 MONITORING AND CONTROL CAPABILITIES FOR ALL SPACE MOUNTED THERMOSTATS.

***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".



4/12 PITCH = 18.43° SLOPE



NOTE: BASIS OF DESIGN IS BY CAPTIVEAIRE- REFERENCE JOB #8326937. HOODS PROVIDED BY OTHERS AND INSTALLED BY MECHANICAL CONTRACTOR. COORDINATE WITH GENERAL CONTRACTOR.

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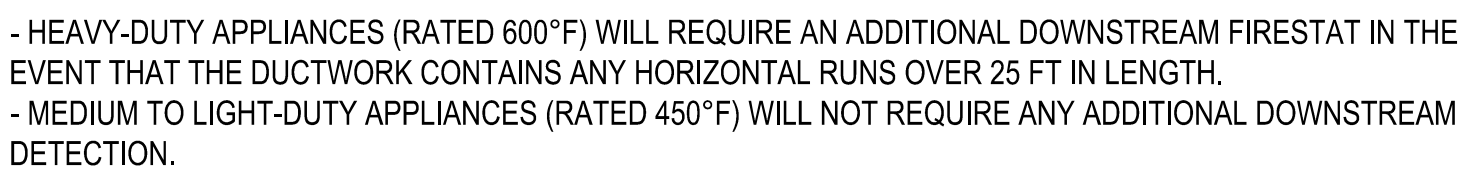
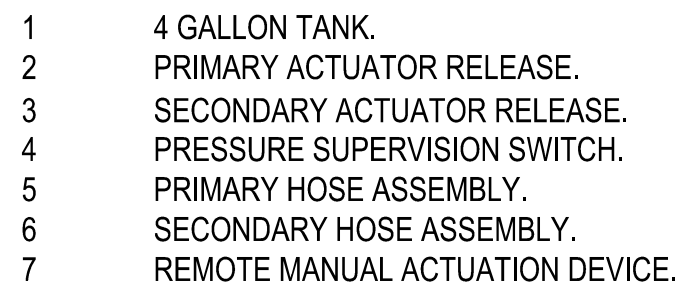
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WAKE COUNTY
Holly Springs, North Carolina

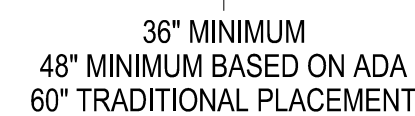
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Architecture Planning Design

120 BED
NURSING FACILITY
KITCHEN HOOD
DETAILS

MO.9

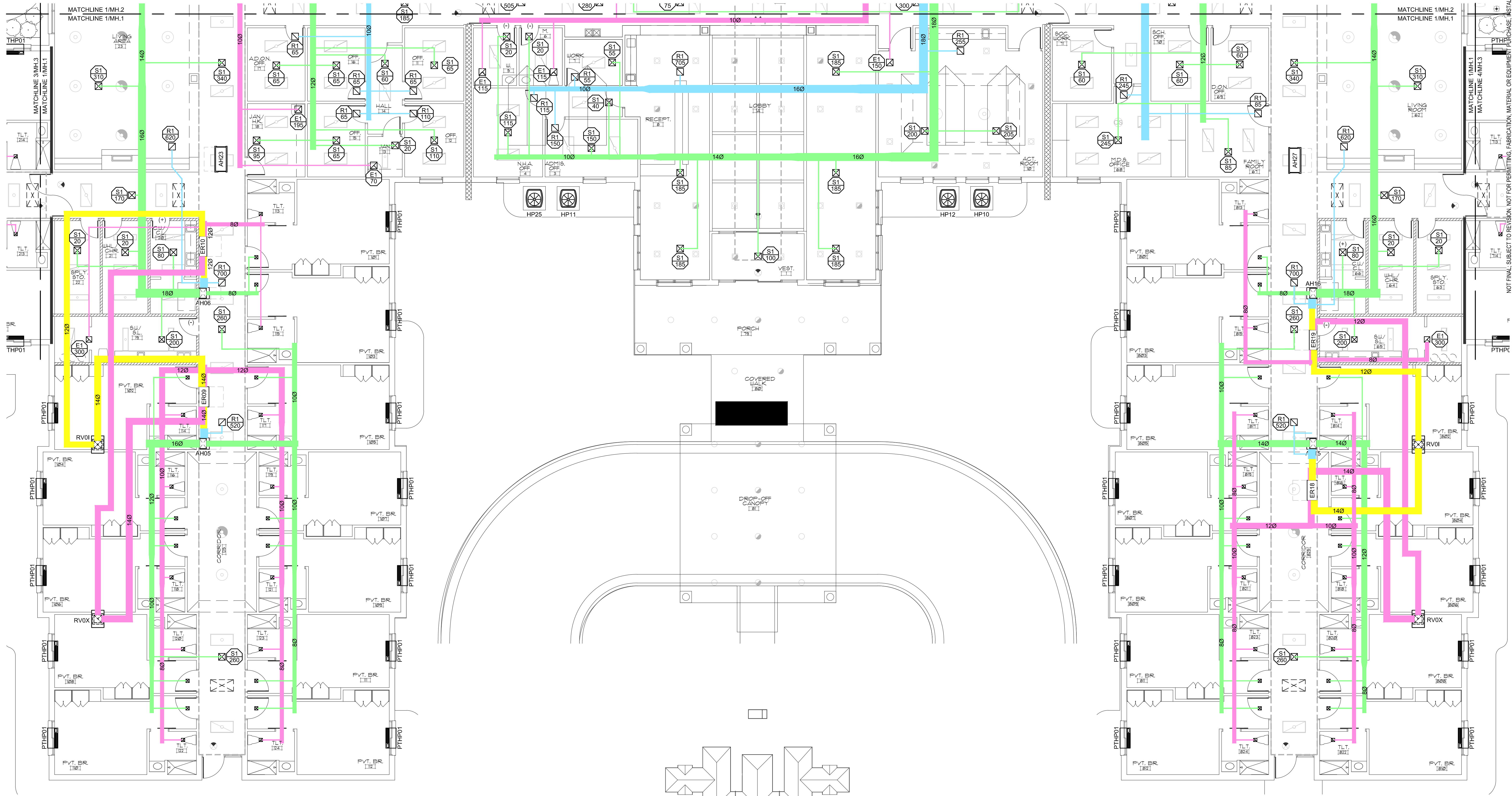


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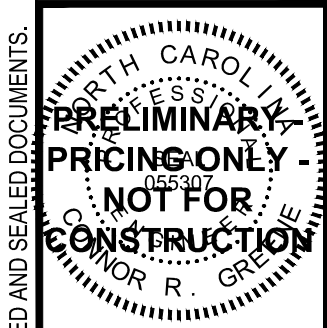
— FINISHED
FLOOR

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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

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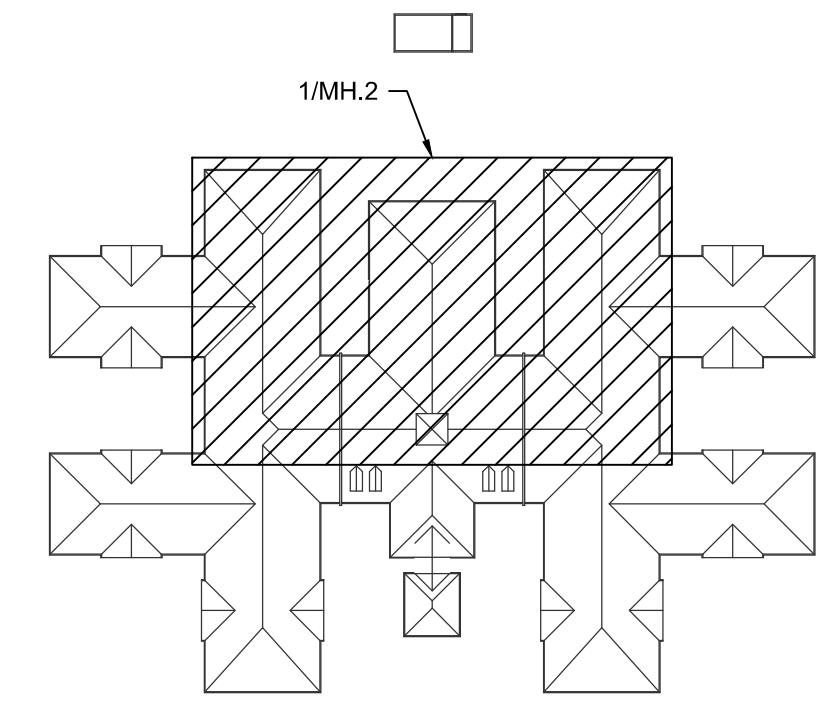
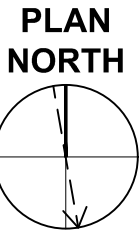
120 BED
NURSING FACILITY
MECHANICAL
PARTIAL HVAC PLAN

MH
.1

- HVAC GENERAL NOTES:**
- 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.
 - ROOMS LABELED "PVT. BR." ARE TYPICAL PRIVATE BEDROOM SUITES. REFER TO ENLARGED PLANS 1/MH.4 AND 3/MH.4 FOR DETAILS.
 - ROOMS LABELED "2 BR" ARE TYPICAL SEMI-PRIVATE BEDROOM SUITES. REFER TO ENLARGED PLANS 2/MH.4 AND 4/MH.4 FOR DETAILS.

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1 PARTIAL HVAC PLAN



0 KEYPLAN
NOT TO SCALE

KEYED NOTES:

- 1 BALANCE RETURN WITH KITCHEN HOOD RUNNING

HVAC GENERAL NOTES:

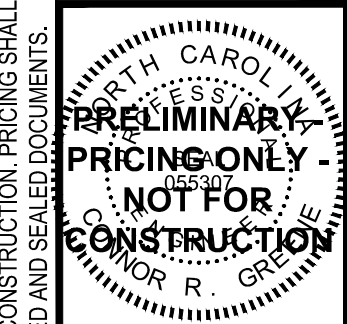
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4. ROOMS LABELED "2 BR" ARE TYPICAL SEMI-PRIVATE BEDROOM SUITES. REFER TO ENLARGED PLANS 2/MH.4 AND 4/MH.4 FOR DETAILS.

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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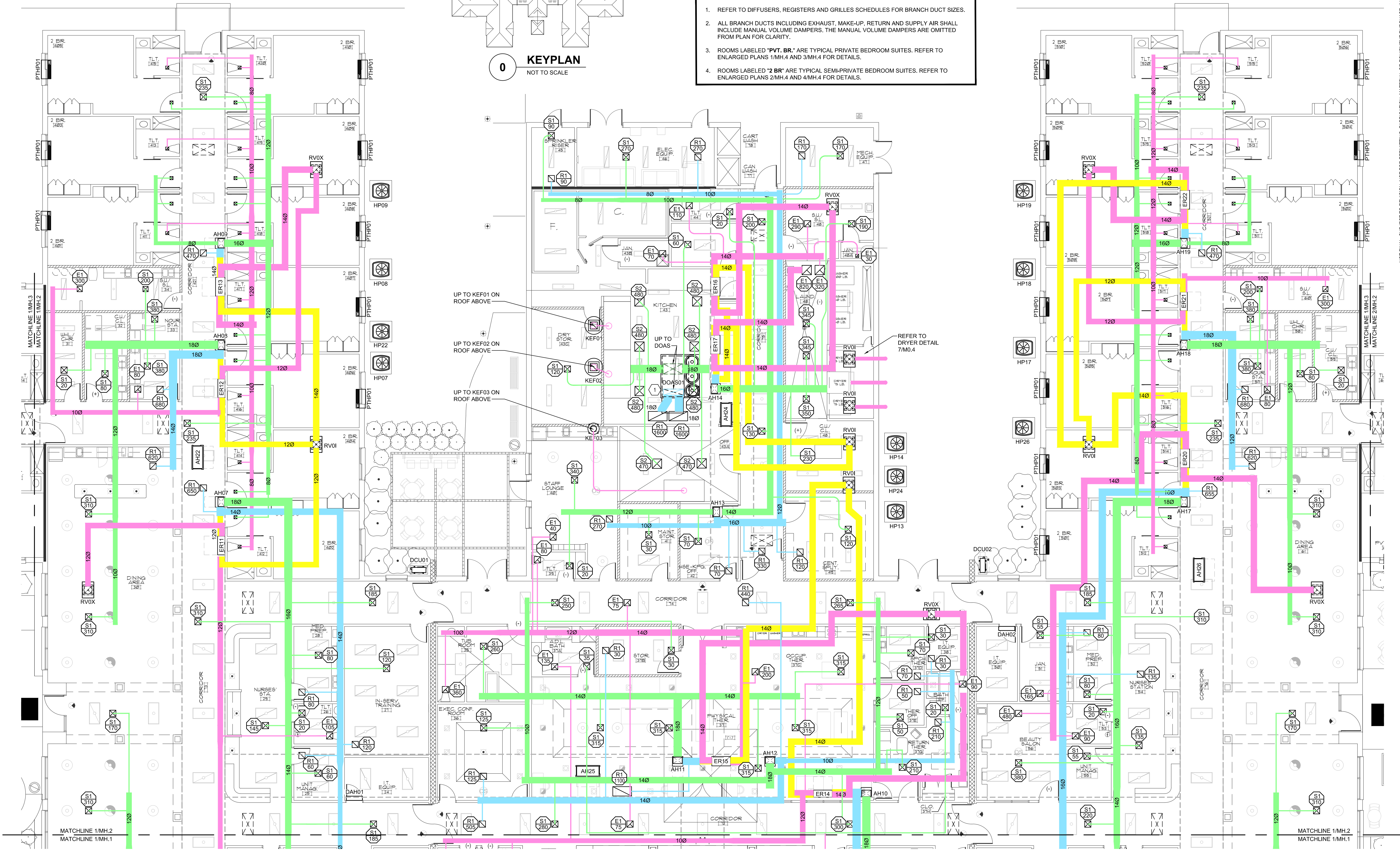


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WAKE COUNTY
Holly Springs, North Carolina

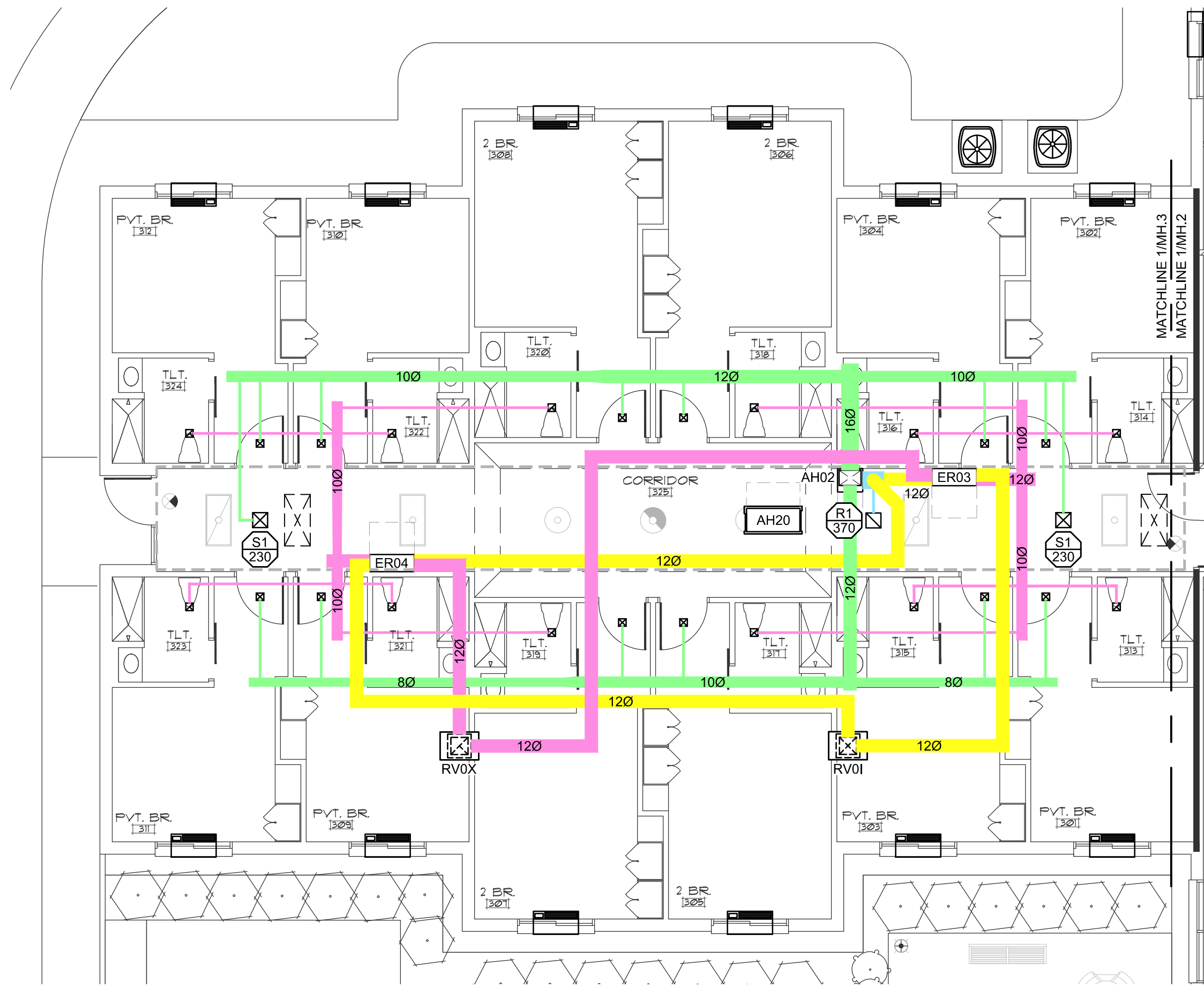
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120 BED
NURSING FACILITY
MECHANICAL
PARTIAL HVAC PLAN

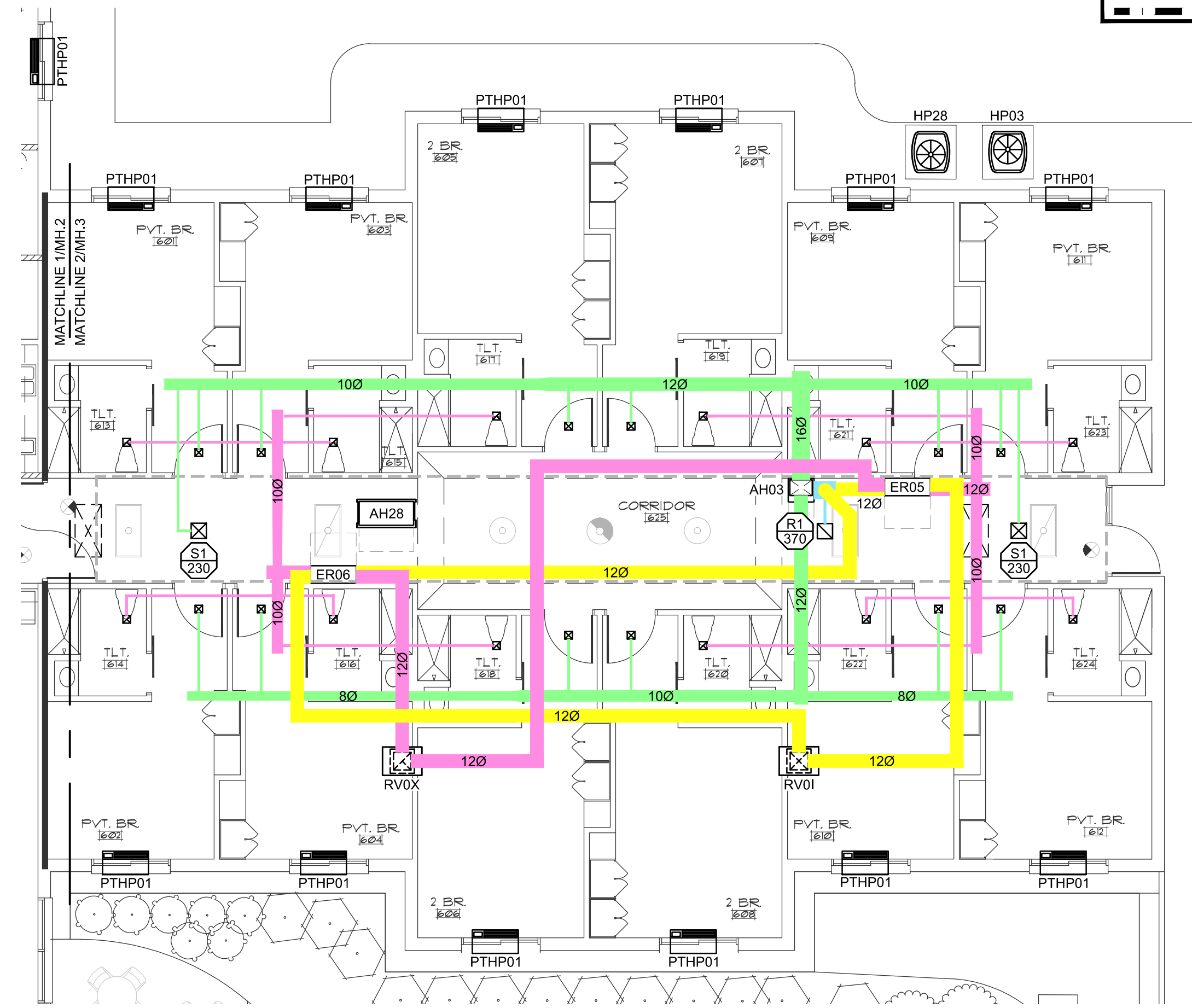
MH
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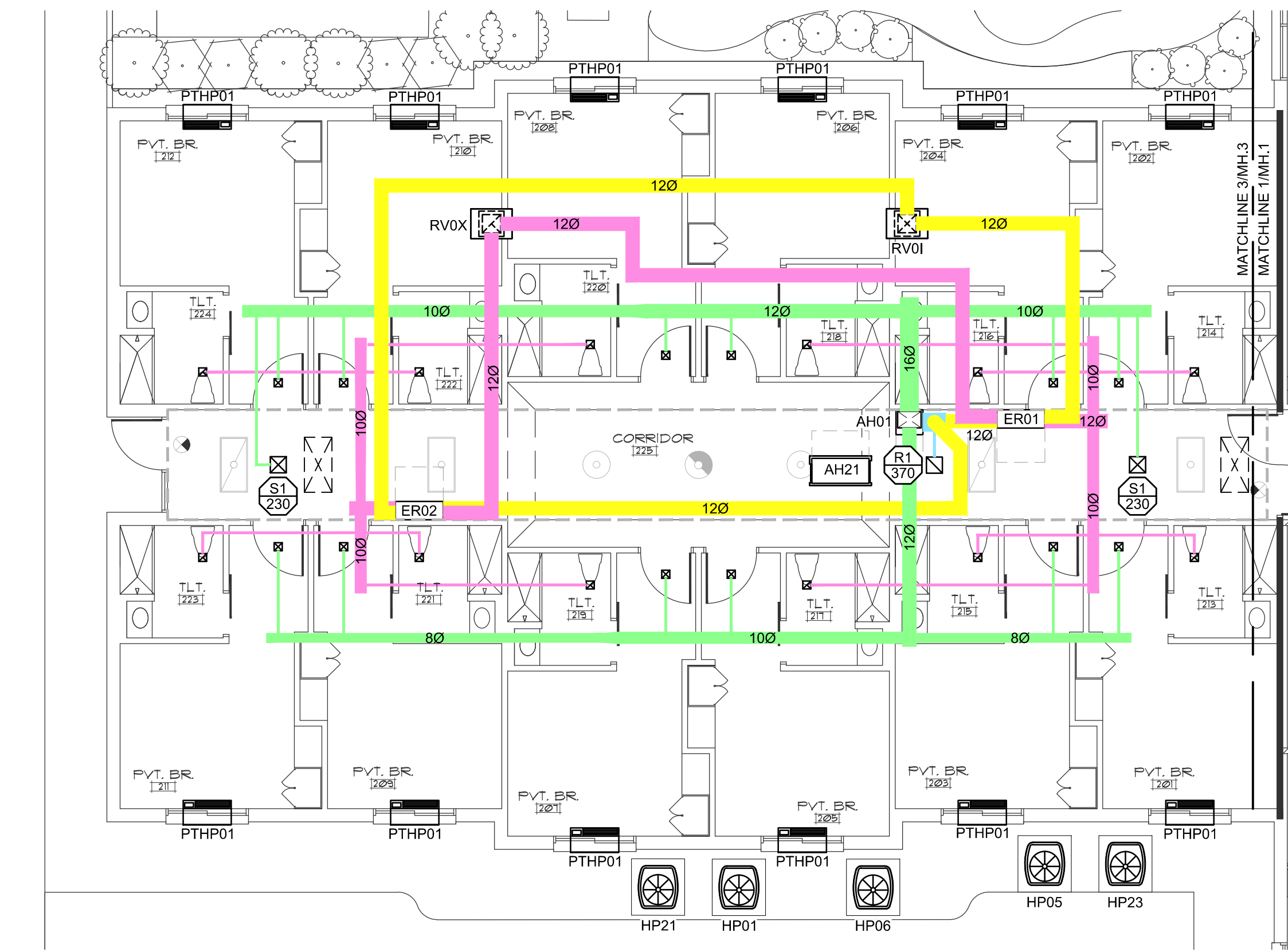
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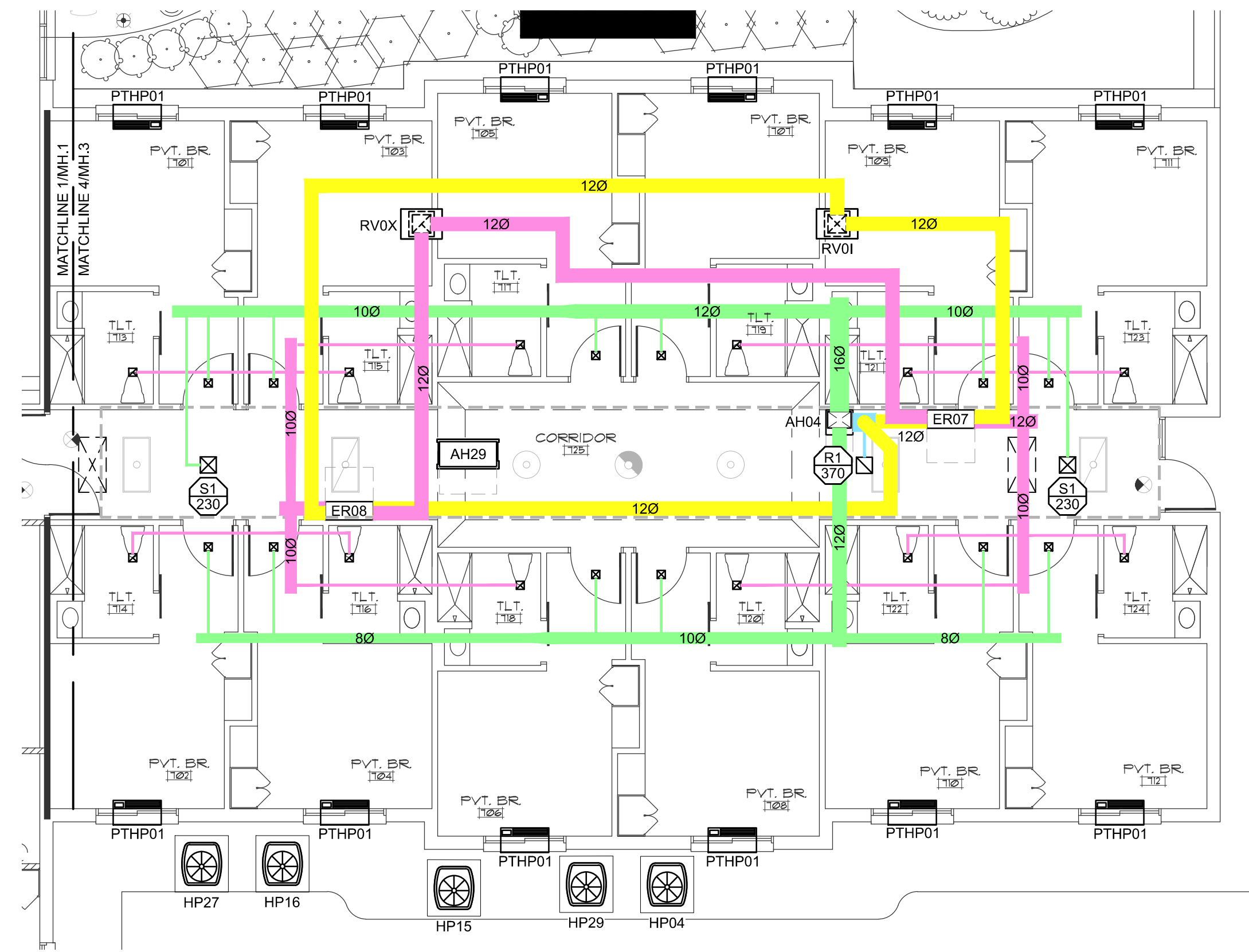
1 PARTIAL HVAC PLAN
1/8" = 1'-0"
0 4' 8' 16'



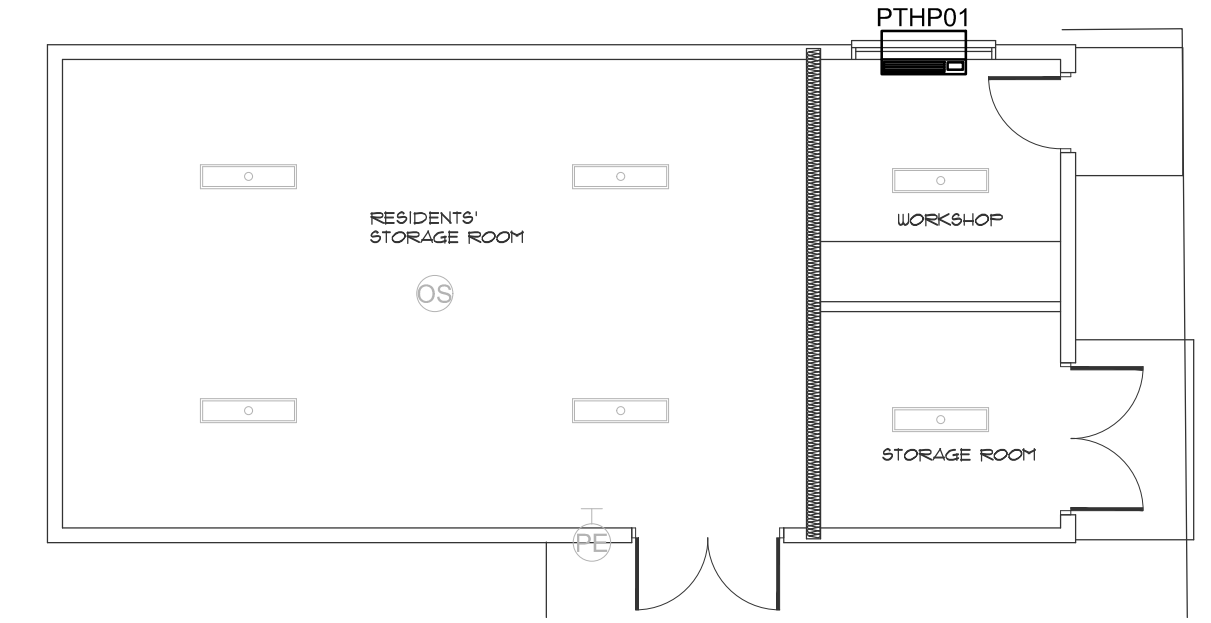
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1/8" = 1'-0"
0 4' 8' 16'



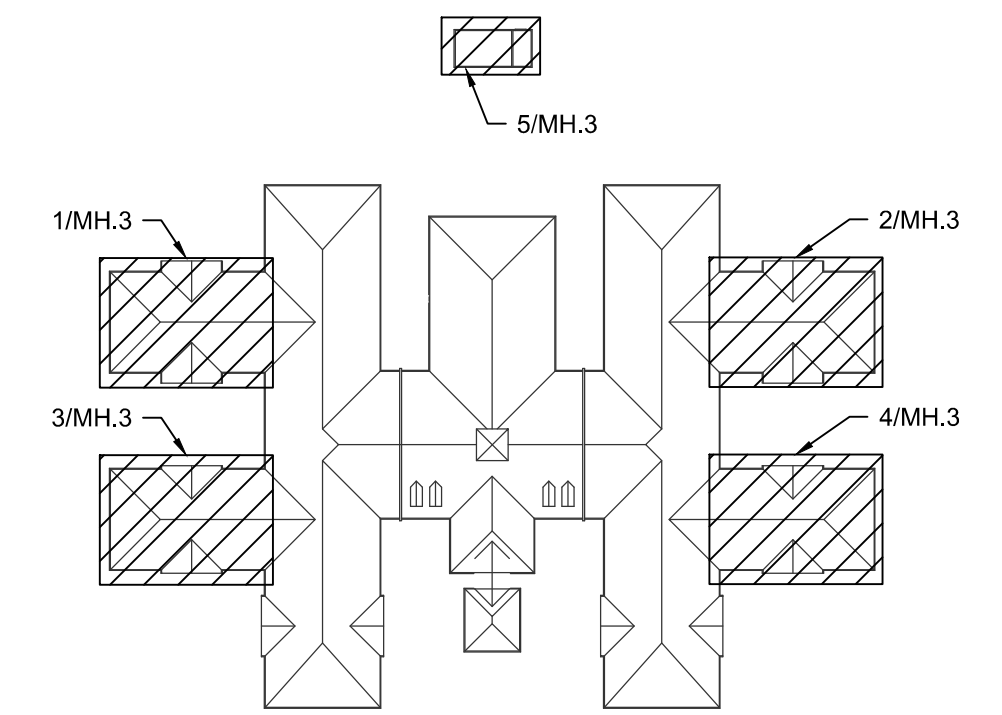
3 PARTIAL HVAC PLAN
1/8" = 1'-0"
0 4' 8' 16'



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



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



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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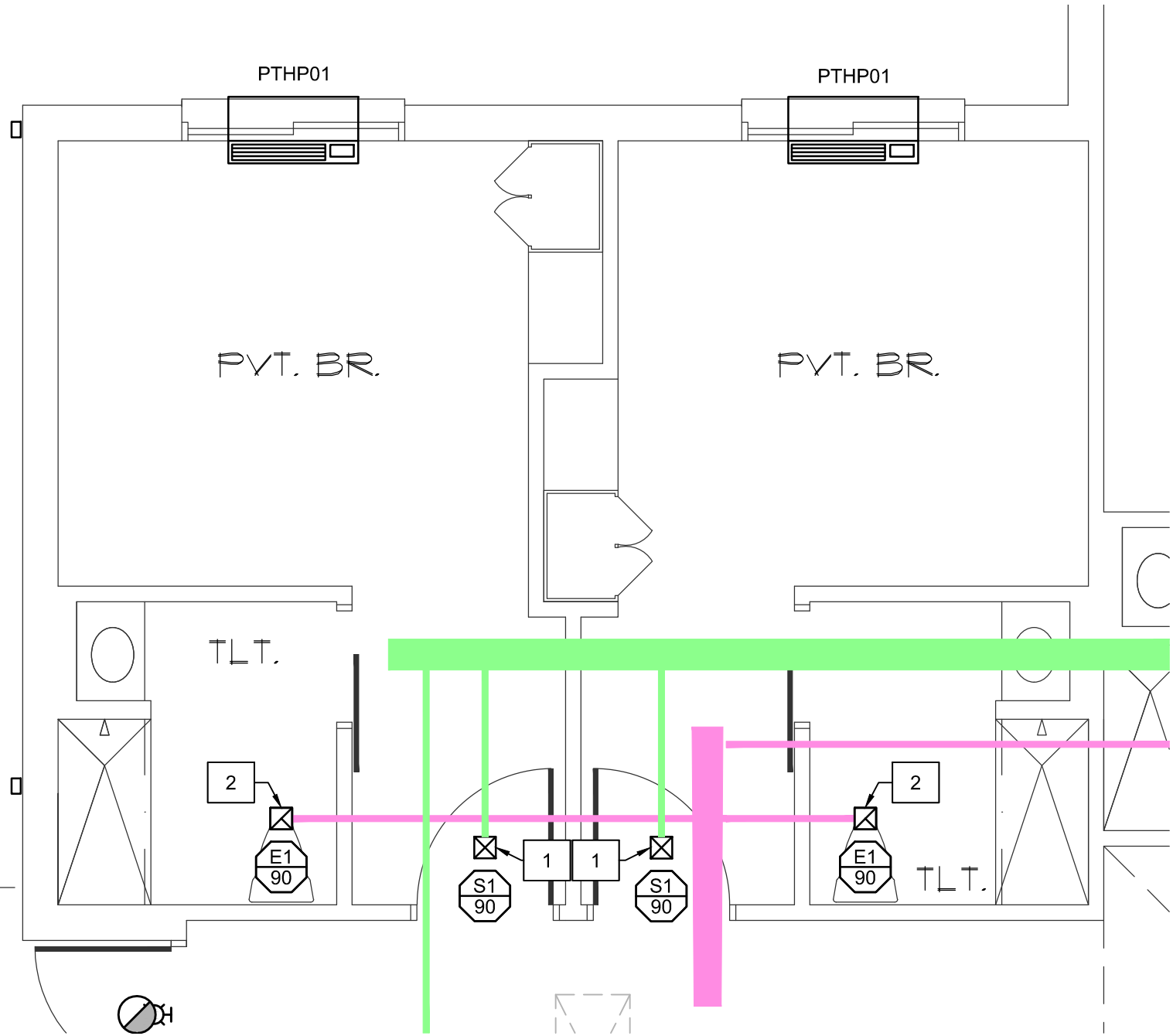
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Holly Springs, North Carolina

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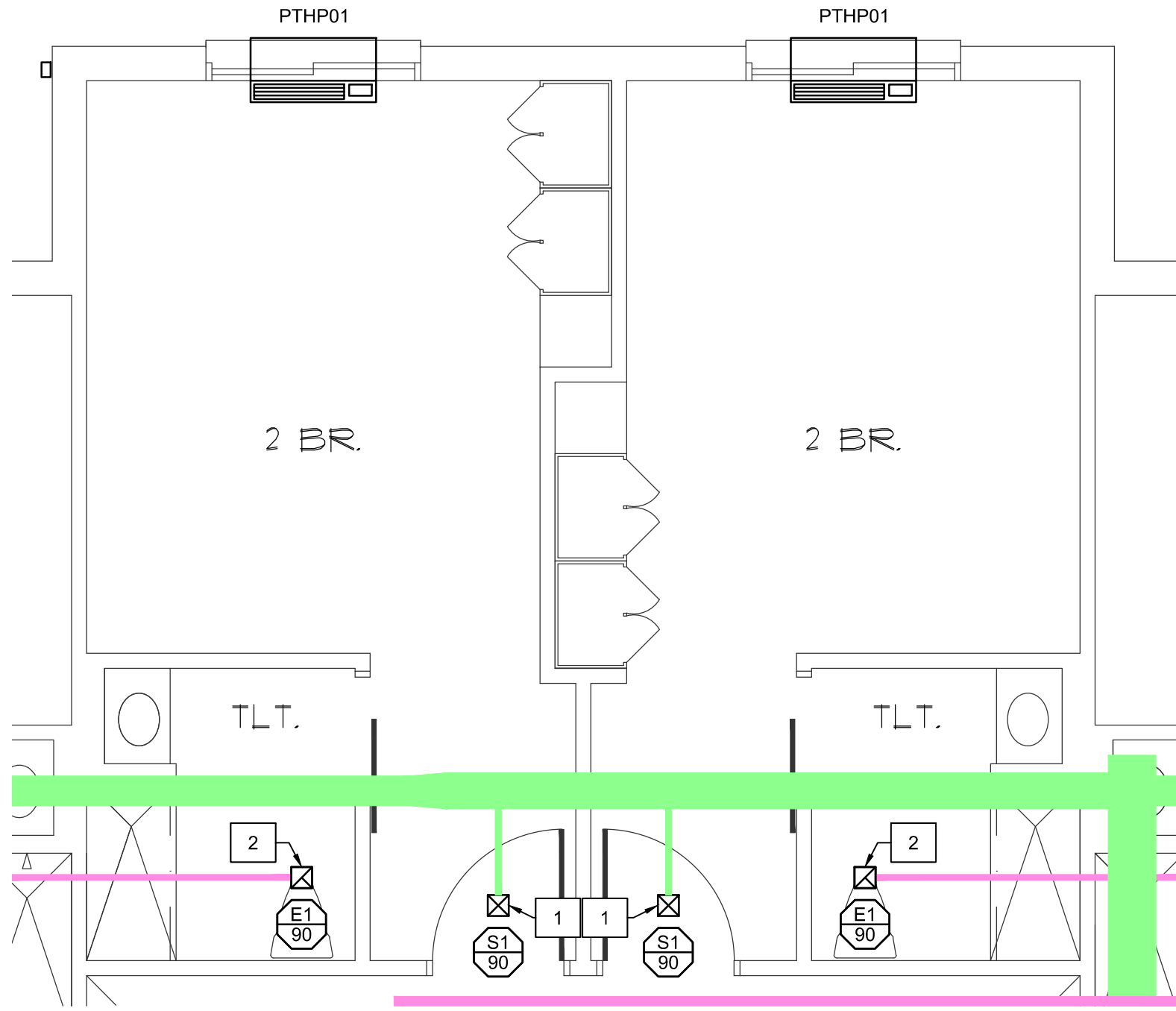
120 BED
NURSING FACILITY
MECHANICAL
PARTIAL HVAC PLAN

MH.3

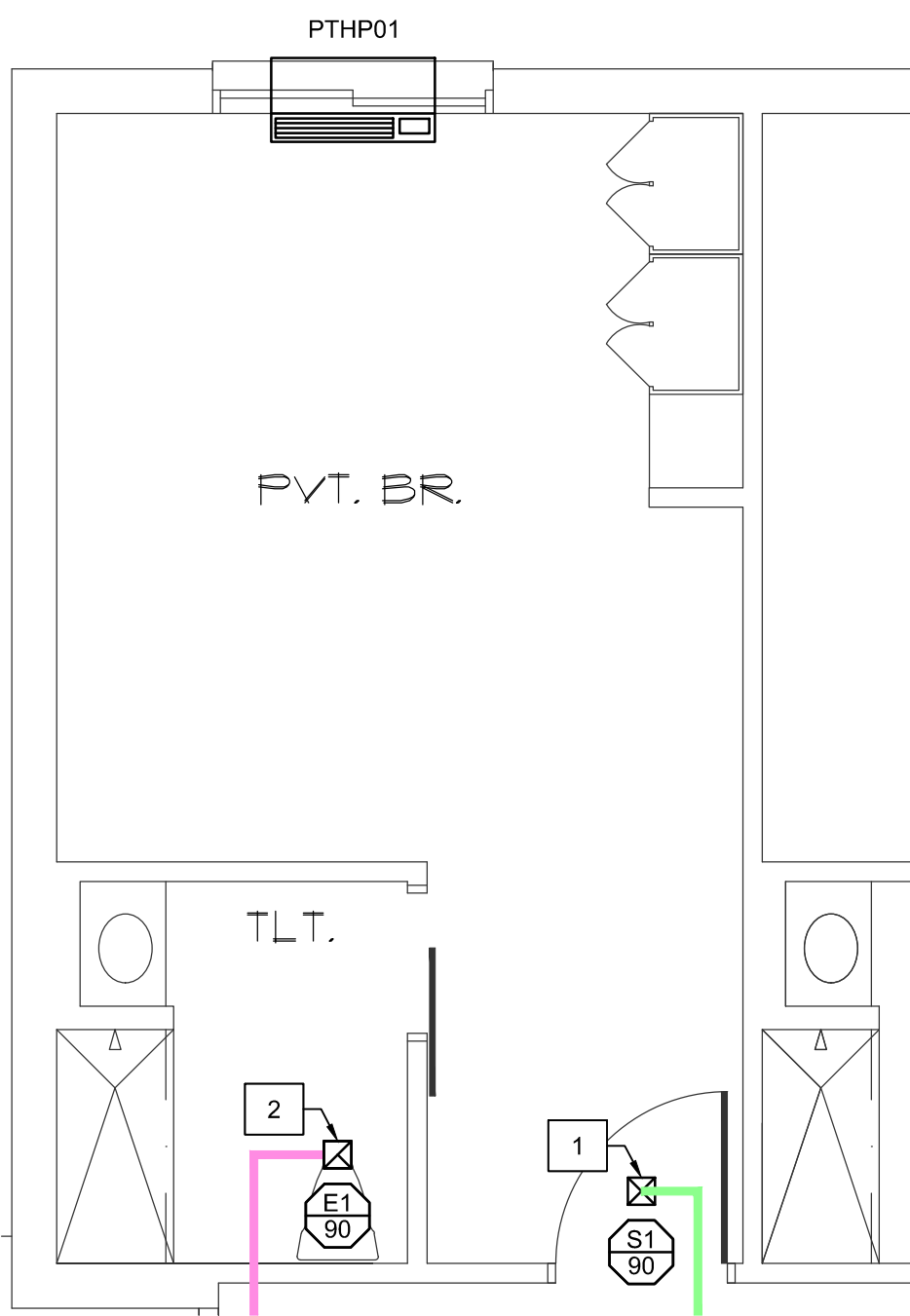
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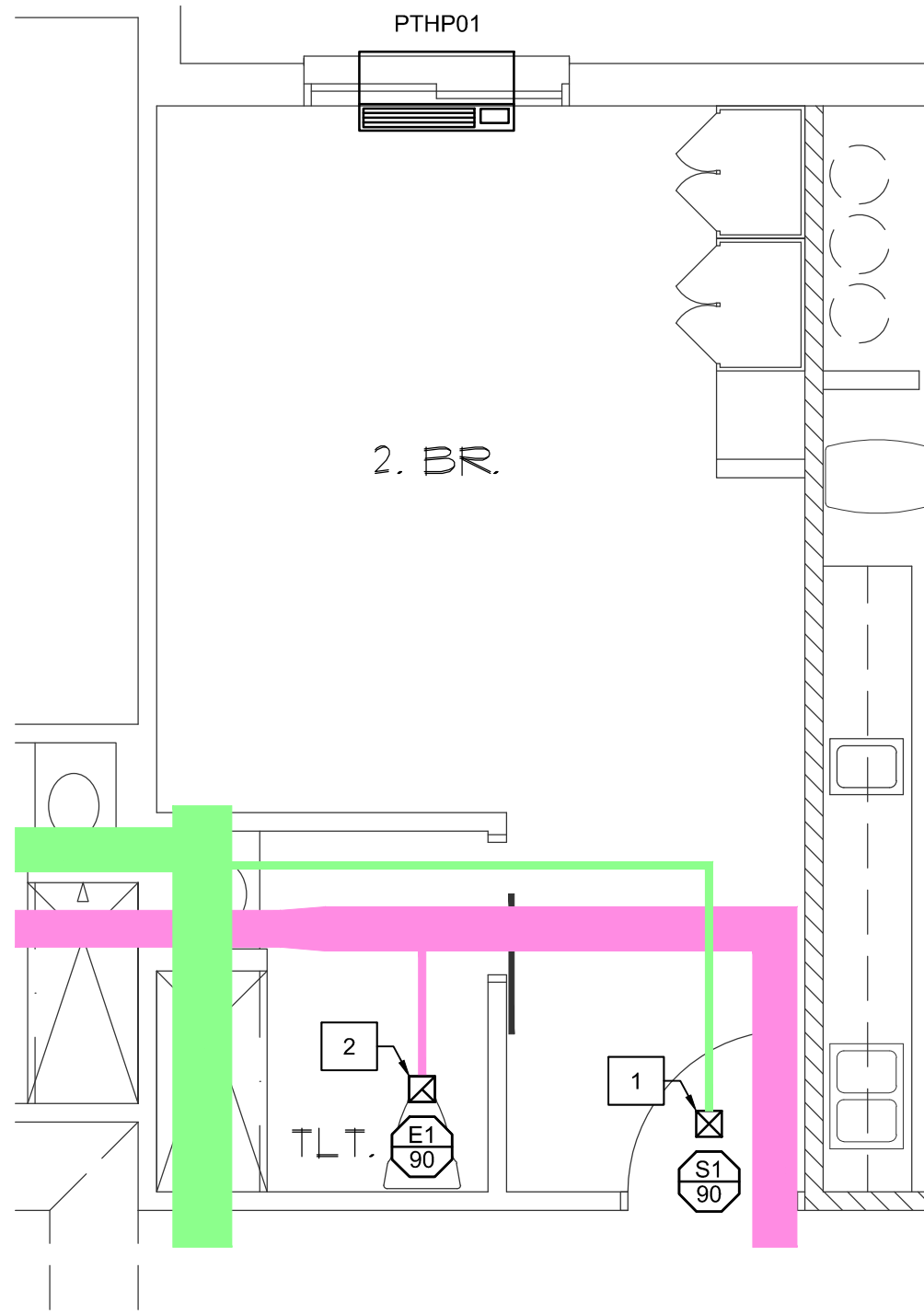
1
TYPICAL ENLARGED PLAN -
TYPICAL PRIVATE BEDROOM SUITE
1/4" = 1'-0"



2
TYPICAL LARGE PRIVATE BEDROOM
SUITE/LARGE SEMI-PVT BR. SUITE
1/4" = 1'-0"



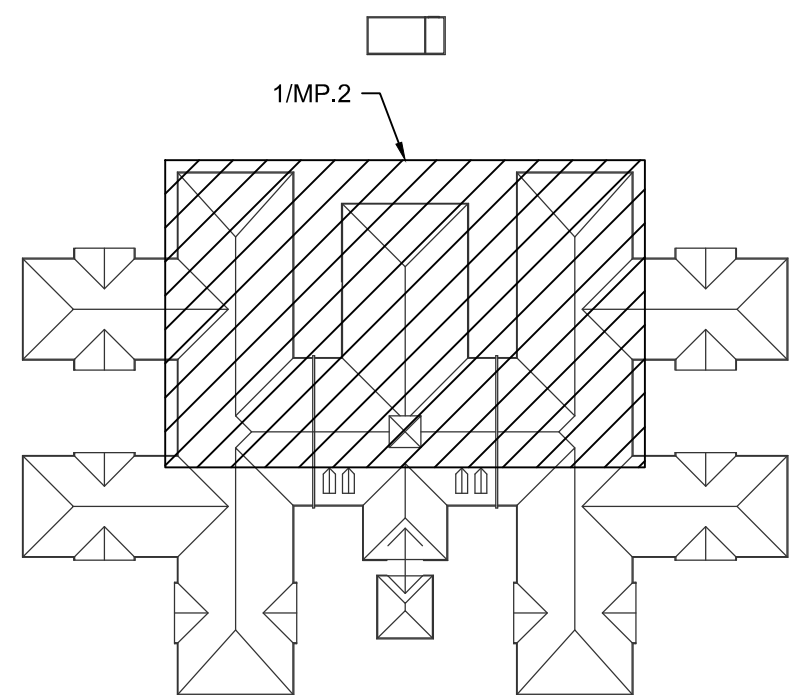
3
TYPICAL ENLARGED PLAN -
TYPICAL LARGE SEMI-PRIVATE BEDROOM *HALF SUITE
1/4" = 1'-0"



4
TYPICAL ENLARGED PLAN -
TYPICAL SEMI-PVT. BEDROOM *HALF SUITE
1/4" = 1'-0"

CONSTRUCTION KEYED NOTES	
1	SUPPLY AIR BRANCH DUCT ROUTED IN ATTIC. SEE MECHANICAL FLOOR PLANS FOR MORE INFORMATION.
2	EXHAUST AIR BRANCH DUCT ROUTED IN ATTIC. SEE MECHANICAL FLOOR PLANS FOR MORE INFORMATION.

1
1/8" = 1'-0"



0
KEYPLAN
NOT TO SCALE

HVAC PIPING NOTES:

1. SIZE AND ARRANGE CONDENSATE PIPING PER MANUFACTURER RECOMMENDATIONS. SEE FURTHER INFORMATION 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).

WALL TYPE LEGEND

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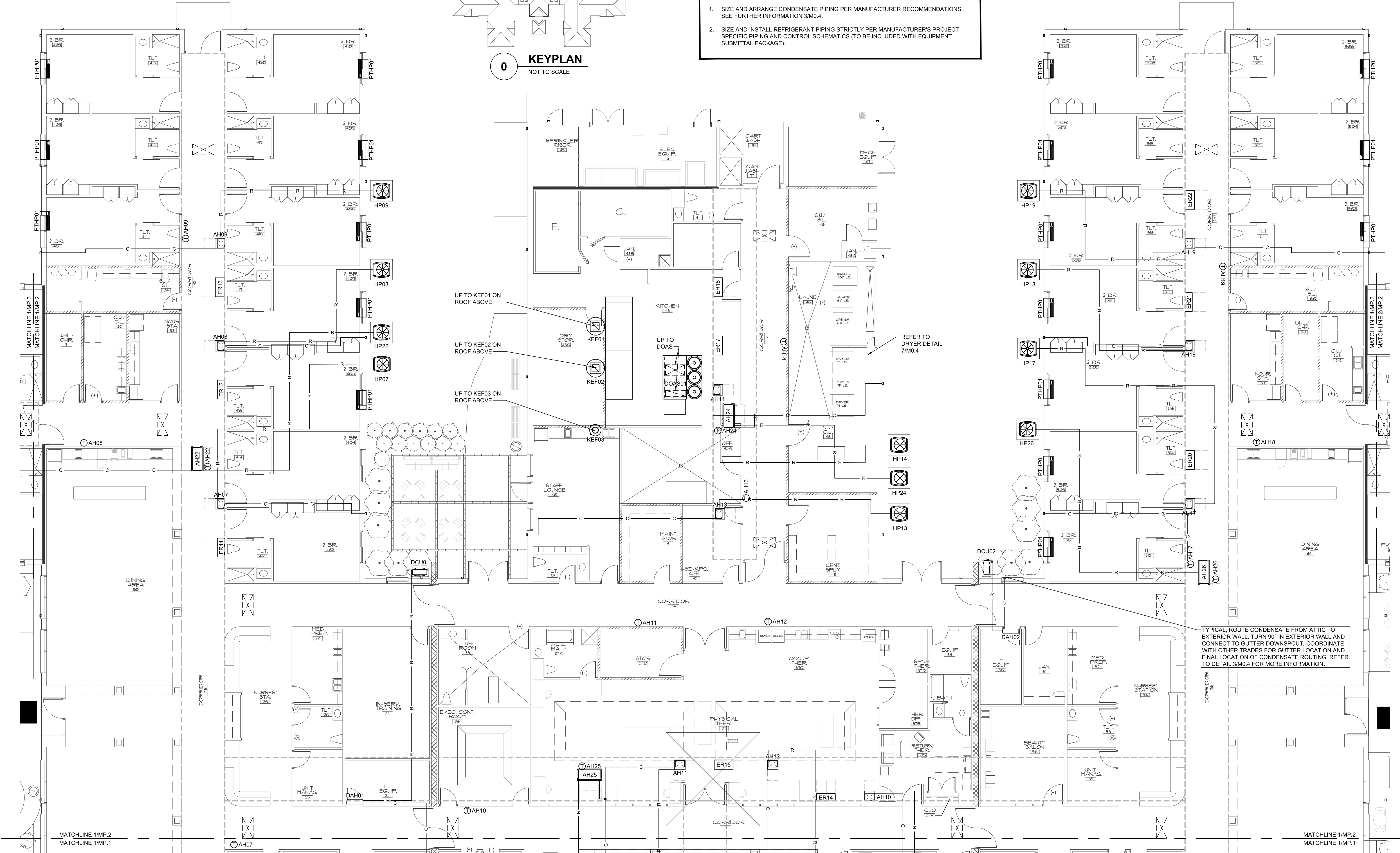
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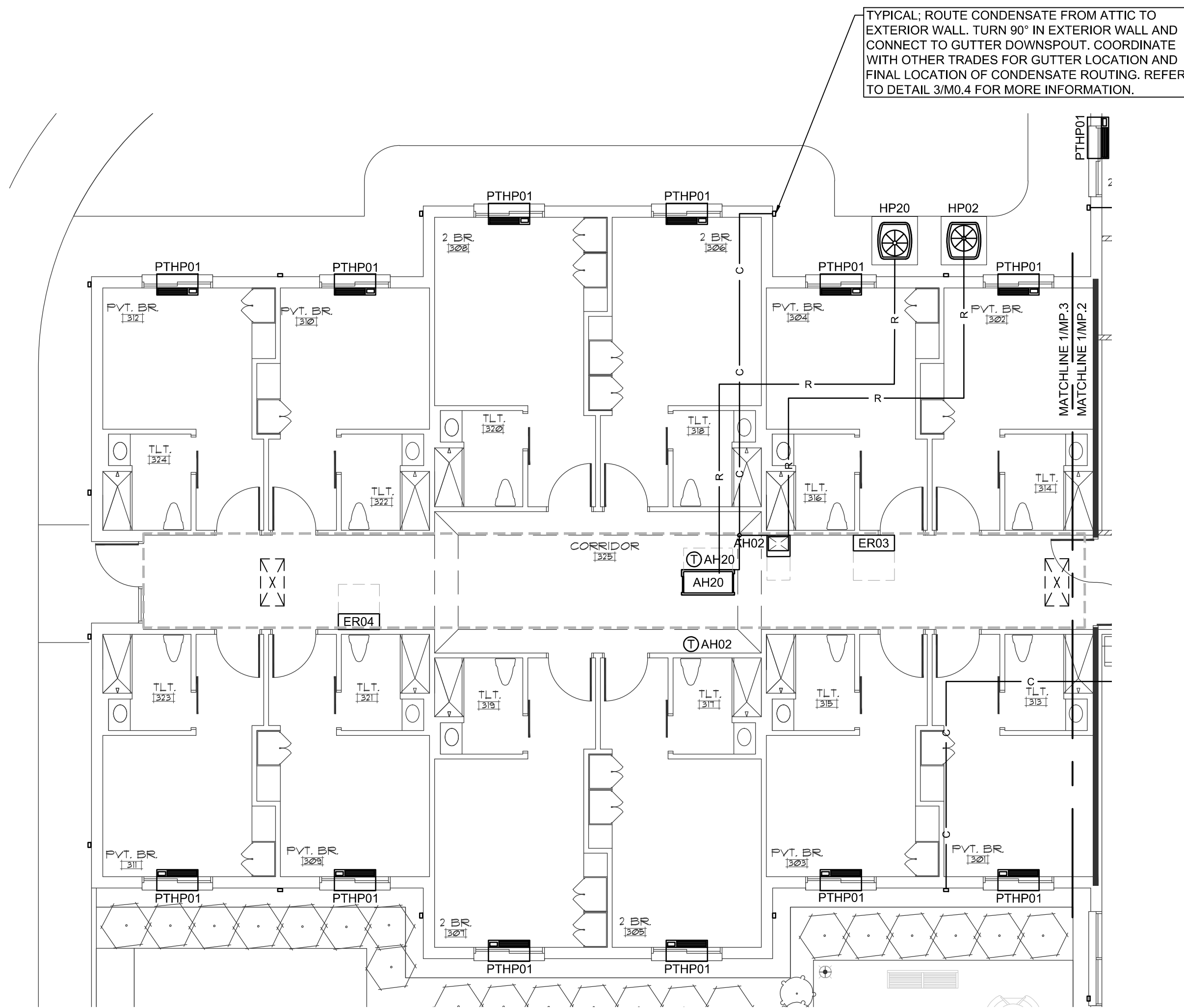
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NURSING FACILITY
MECHANICAL
PARTIAL PIPING PLAN

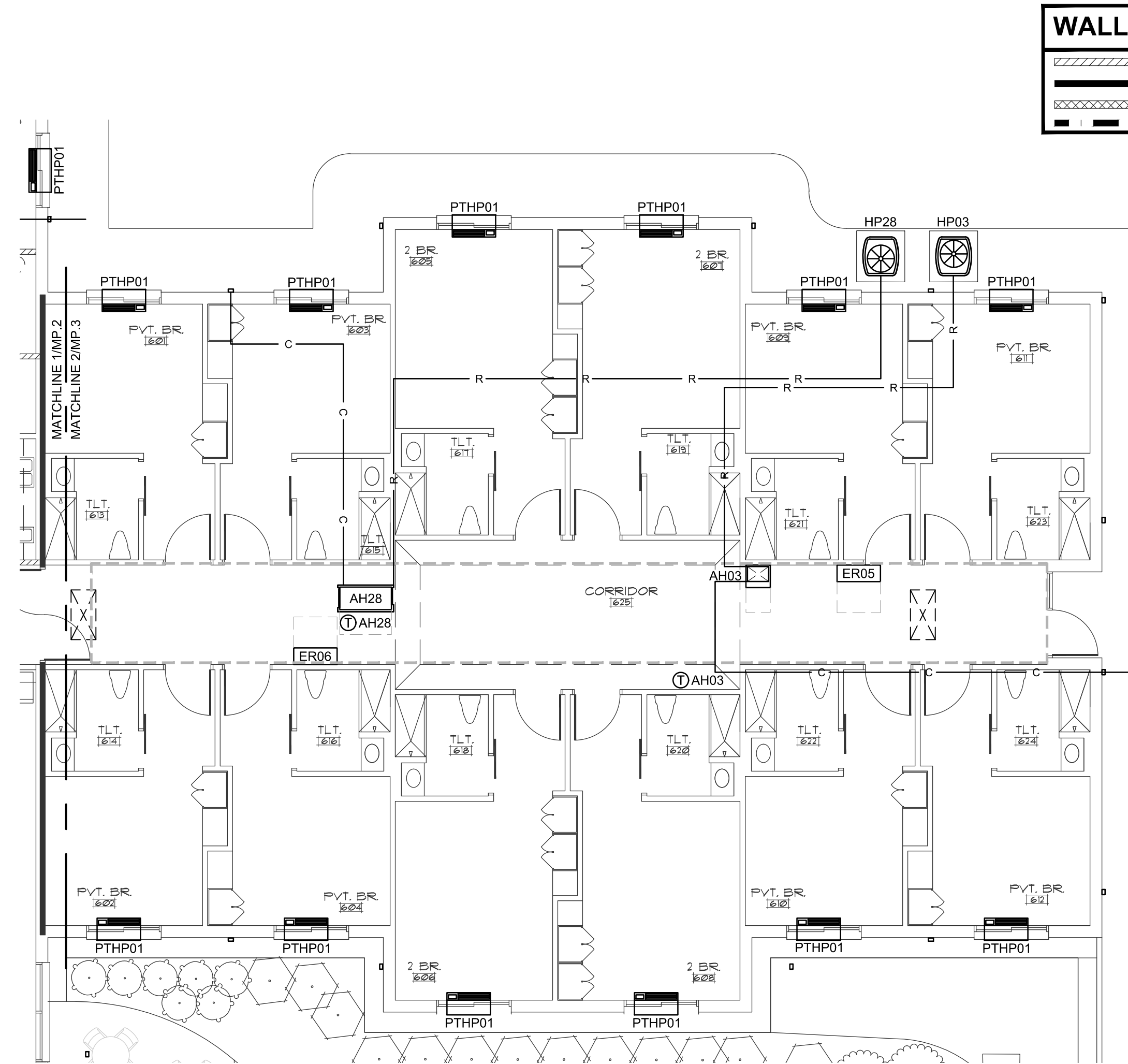
MP
.2

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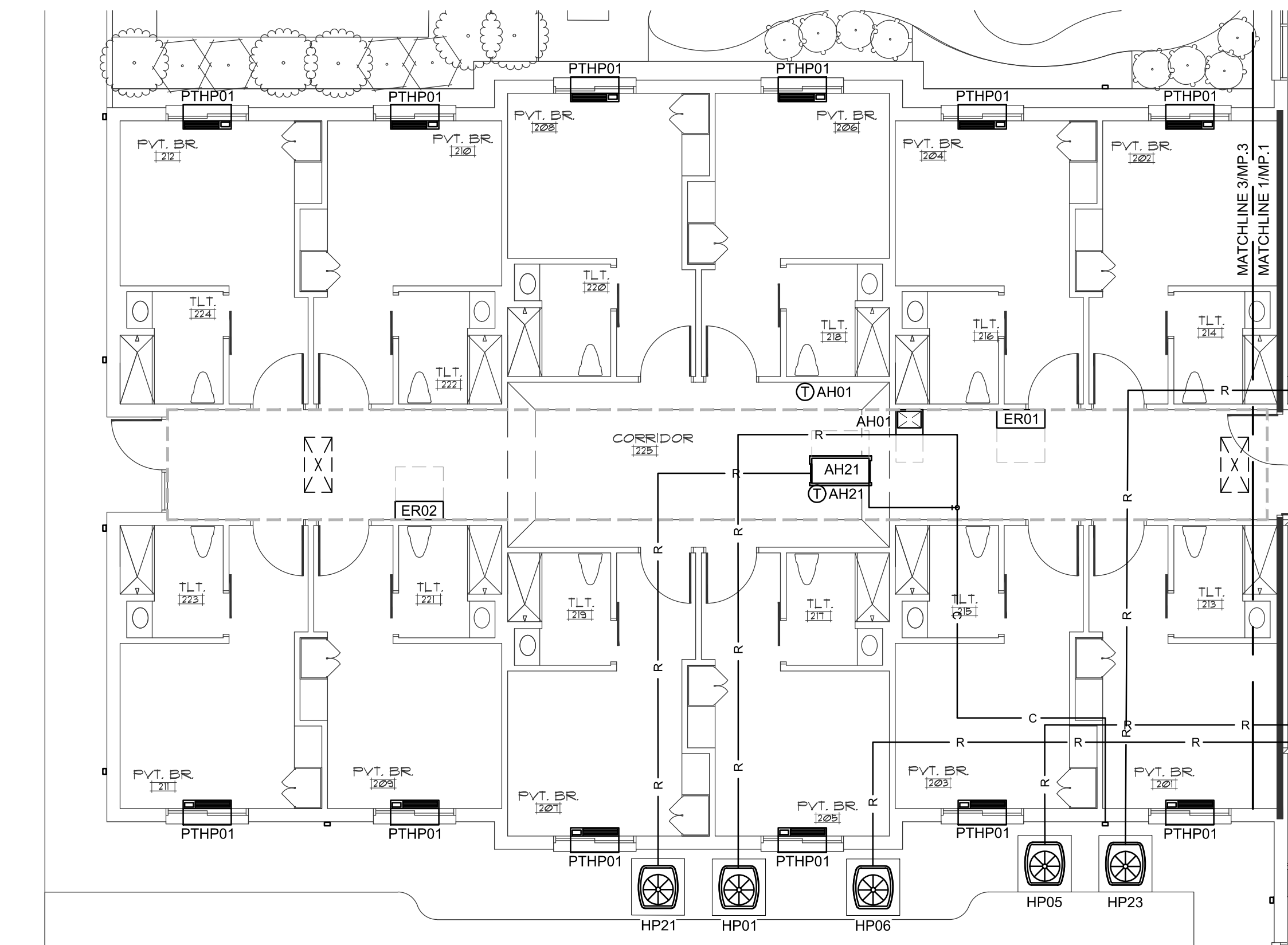




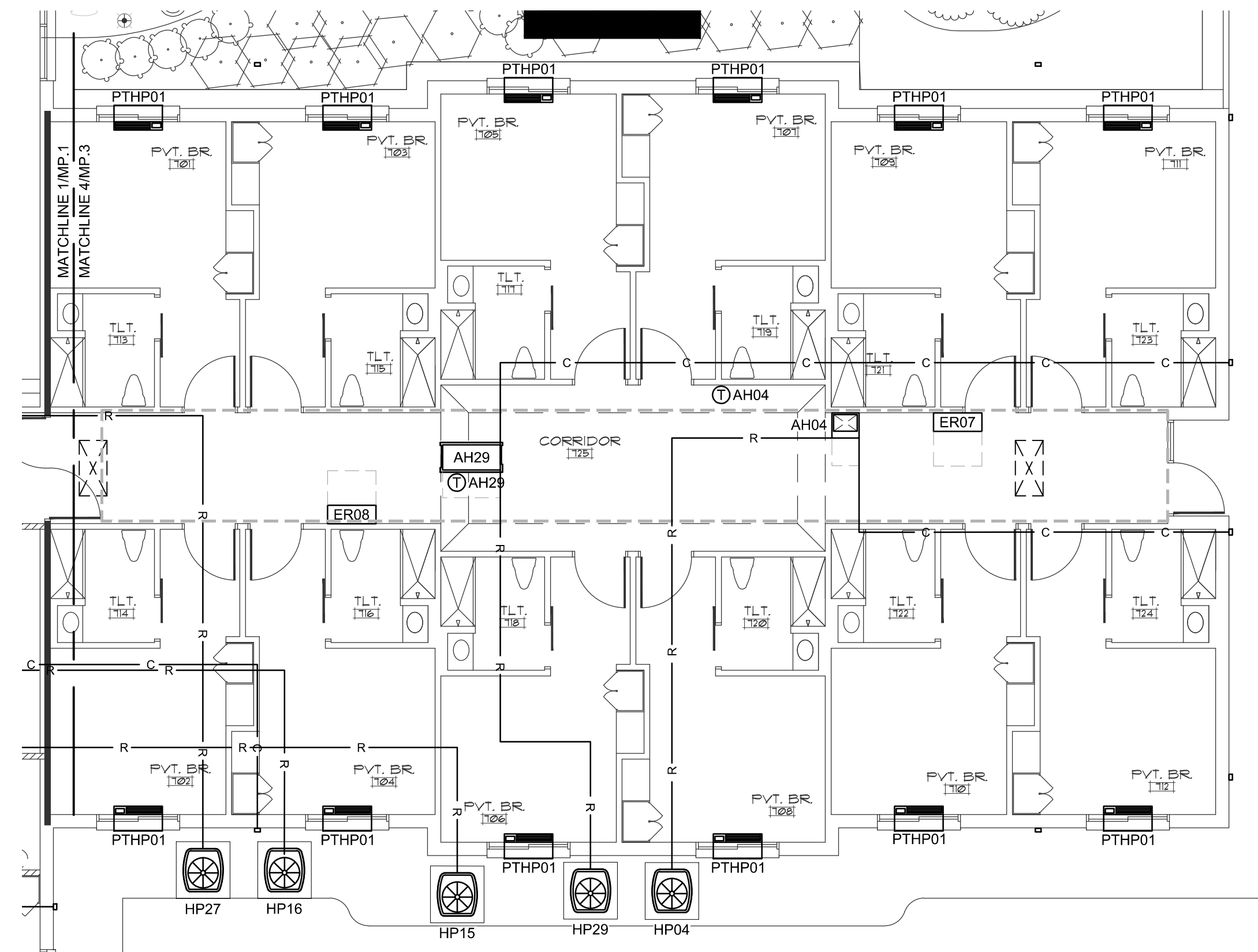
1 PARTIAL PIPING PLAN
1/8" = 1'-0"
0 4' 8' 16'



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



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

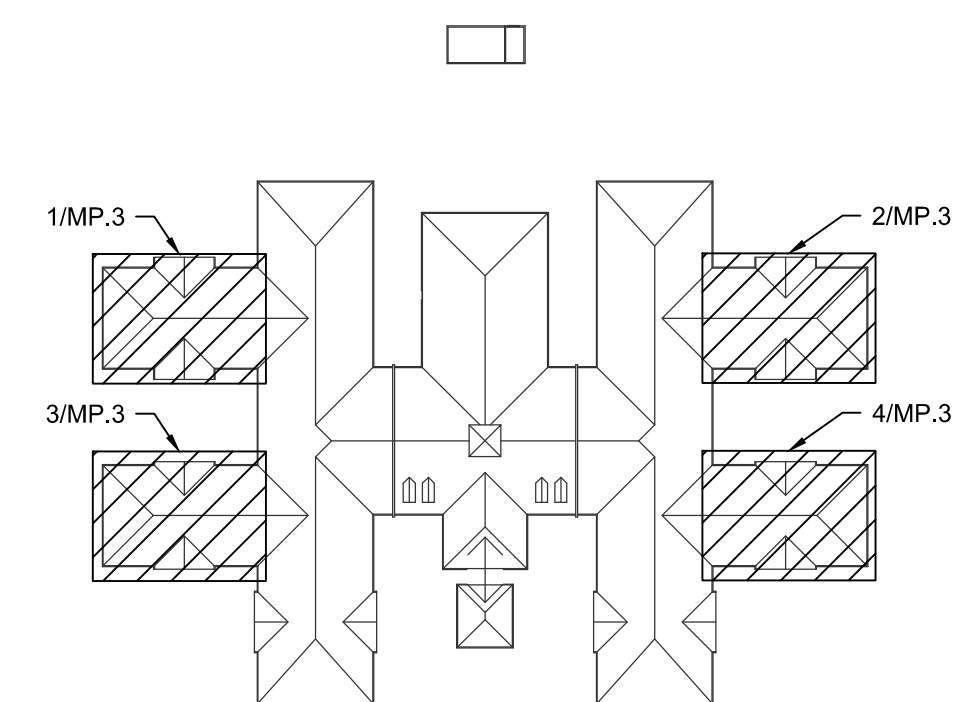


4 PARTIAL PIPING PLAN
1/8" = 1'-0"
0 4' 8' 16'

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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0 KEYPLAN
NOT TO SCALE

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MECHANICAL
PARTIAL PIPING PLAN

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MP
.3