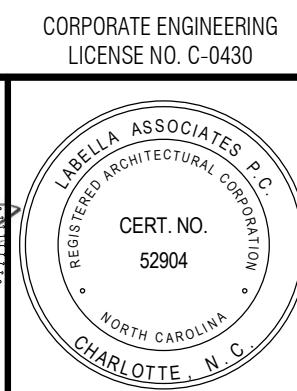


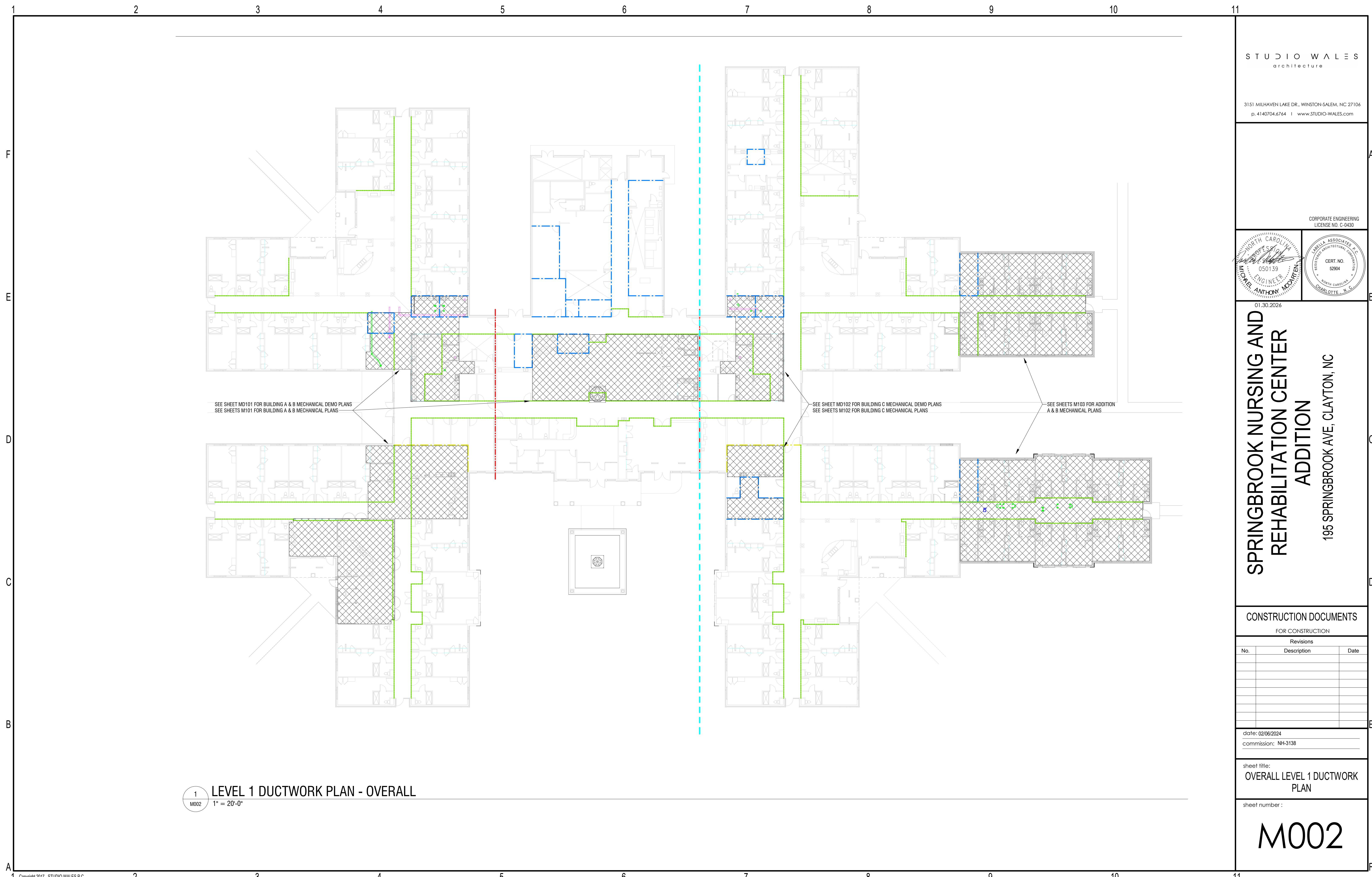
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<p>DUCTWORK GENERAL NOTES</p> <ol style="list-style-type: none"> 1 HVAC CONTRACTOR TO PROVIDE CRANE AND NECESSARY EQUIPMENT TO HOIST ROOF MOUNTED HVAC EQUIPMENT FROM SITE TO FINAL ROOF LOCATION. GENERAL CONTRACTOR TO PROVIDE ALL ROOF PENETRATIONS REQUIRED TO ACCOMMODATE HVAC EQUIPMENT OPENINGS AND SET CURBS. HVAC CONTRACTOR TO COORDINATE EXACT LOCATION OF PENETRATIONS WITH G.C. AND SHALL ASSIST WITH SETTING ALL HVAC EQUIPMENT ROOF CURBS. HVAC CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY CAP OF ALL ROOF PENETRATIONS IN INTERIM FROM TIME PENETRATIONS ARE COMPLETE TO TIME EQUIPMENT IS SET ON ROOF CURBS. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FLASHING ALL EQUIPMENT CURBS AND OTHER HVAC RELATED ROOF PENETRATIONS. HVAC CONTRACTOR SHALL REMOVE AND DISPOSE OF TEMPORARY CAP WHEN EQUIPMENT IS SET IN PLACE. 2 PROVIDE 45 DEGREE SHOE-TAP FITTING AND VOLUME DAMPER AT ALL BRANCH DUCT TAKE-OFFS (TOP, SIDE AND BOTTOM) FOR SUPPLY, RETURN AND EXHAUST AIR, UNLESS SHOWN OR NOTED OTHERWISE. VOLUME DAMPERS SHALL BE OMITTED FROM VAV INLET BRANCH DUCTWORK. 3 COORDINATE HVAC INSTALLATION WITH STRUCTURE, CEILING, LIGHTING, CONDUIT, HEATING AND DOMESTIC PIPING, STORM AND SANITARY DRAIN PIPING (ALL TRADES), PREPARE AND SUBMIT FULL COORDINATION DRAWINGS FOR APPROVAL BY ENGINEER PRIOR TO ORDERING MATERIALS AND/OR BEGINNING CONSTRUCTION. 4 INSULATE OR LINE DUCTWORK AS SPECIFIED IN THE MECHANICAL INSULATION AND METAL DUCTS SPECIFICATIONS OR NOTED ON DRAWINGS. NOTE THAT DUCT SIZES SHOWN ON DRAWINGS ARE INSIDE NET CLEAR DIMENSIONS. 5 ALL 90 DEGREE RECTANGULAR ELBOWS AND DUCTWORK TEES SHALL BE HARD MITERED WITH FACTORY TURNING VENES. TURNING VENES SHALL BE OMITTED FROM AIR TRANSFER DUCT ELBOWS. 6 ALL DUCTWORK PASSING THROUGH NON-FIRE RATED WALLS TO BE SEALED AROUND PERIMETER (BOTH SIDES) WITH DRYWALL JOINT COMPOUND OR APPROVED EQUAL. 7 HVAC CONTRACTOR TO PROVIDE ALL WALL & ROOF PENETRATIONS 8"x8" OR SMALLER. ALL PENETRATIONS LARGER THAN 8"x8" IS THE RESPONSIBILITY OF THE G.C. COORDINATE ALL 8"x8" OR LARGER PENETRATION LOCATIONS WITH G.C. LINTELS (BY G.C.) REFER TO STRUCTURAL DRAWINGS FOR LINTEL SCHEDULE. PENETRATIONS AND LINTEL LOCATIONS TO BE COORDINATED WITH G.C. AND DOCUMENTED ON COORDINATION DRAWINGS. 8 BALANCING CONTRACTOR TO SET MINIMUM OUTSIDE AIR DAMPER POSITION TO MEET VENTILATION AIR QUANTITIES REQUIRED AS SHOWN ON PLANS OR LISTED IN EQUIPMENT SCHEDULES. 9 ALL SUPPORT OF EQUIPMENT, DUCTWORK AND ASSOCIATED DISTRIBUTION SERVICES SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE BUILDING CODE. THE DISCIPLINE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE STRUCTURAL STEEL WHERE REQUIRED IN ORDER TO SUPPORT EQUIPMENT, DUCTWORK AND ASSOCIATED DISTRIBUTION SERVICES WHERE THE BUILDING STRUCTURE SPACING IS TOO GREAT TO ALLOW DIRECT SUPPORT. THE DISCIPLINE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMATION OF ALL SUPPORTS AND SHALL OBTAIN THE PROFESSIONAL SERVICE OF A LICENSED STRUCTURAL ENGINEER AND FURNISH SEALED DRAWINGS AND DETAILS ILLUSTRATING SUCH SUPPORTS AND COMPLIANCE METHODS. 10 THE ABOVE GENERAL NOTES APPLY TO ALL HVAC CONSTRUCTION DOCUMENT DRAWINGS. 																																																																																																																																																																																																																																																																																									
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DHW	DOMESTIC WATER HEATER	UV	VARIABLE AIR VOLUME BOX	CONT	CONTINUOUS	RHW	HOT WATER RE-CIRCULATION																																																																																																																																																																																																																																																																																		
EE	EXHAUST FAN	VAV	VARIABLE AIR VOLUME BOX	CONT	CONTINUOUS	RO	ROUGH OPENING																																																																																																																																																																																																																																																																																		
ET	EXPANSION TANK	VD	VOLUME DAMPER	CUBIC FEET	CUBIC FEET	RPDA	REDUCED-PRESSURE DETECTOR ASSY.																																																																																																																																																																																																																																																																																		
FCU	FAN COIL UNIT	VFD	VARIABLE SPEED DRIVE	CV	VALVE FLOW COEFFICIENT	RPM	REVOLUTIONS PER MINUTE																																																																																																																																																																																																																																																																																		
FP	FIRE PUMP	PPD	VARIABLE SPEED DRIVE	DCDA	DOUBLE CHECK DETECTOR ASSEMBLY	RPZ	REDUCED-PRESSURE ZONE																																																																																																																																																																																																																																																																																		
FT	FINNED TUBE	PPD	VARIABLE SPEED DRIVE	DCV	DETECTOR CHECK VALVE	SC	STEAM CAPTURE HOOD																																																																																																																																																																																																																																																																																		
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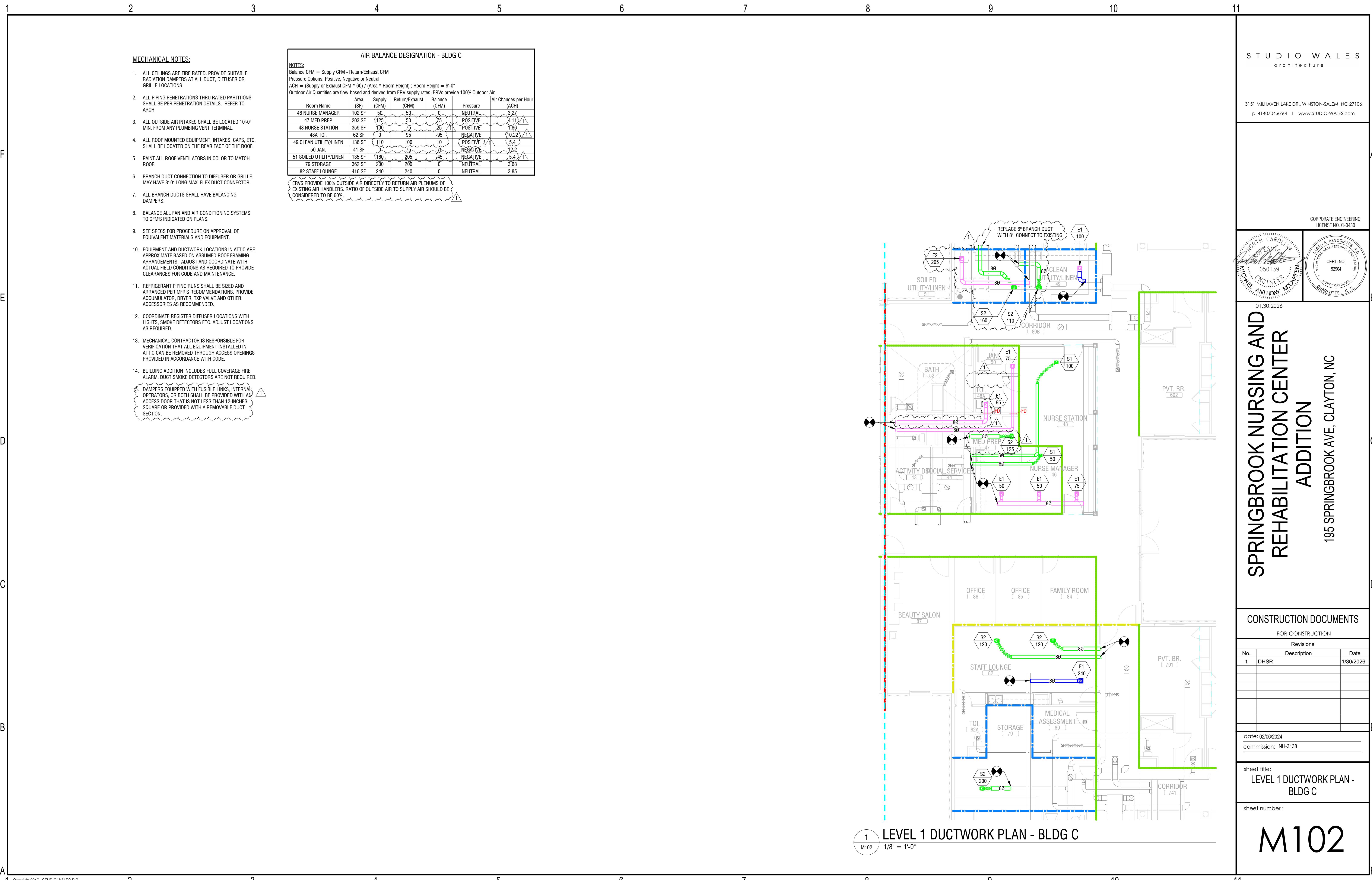
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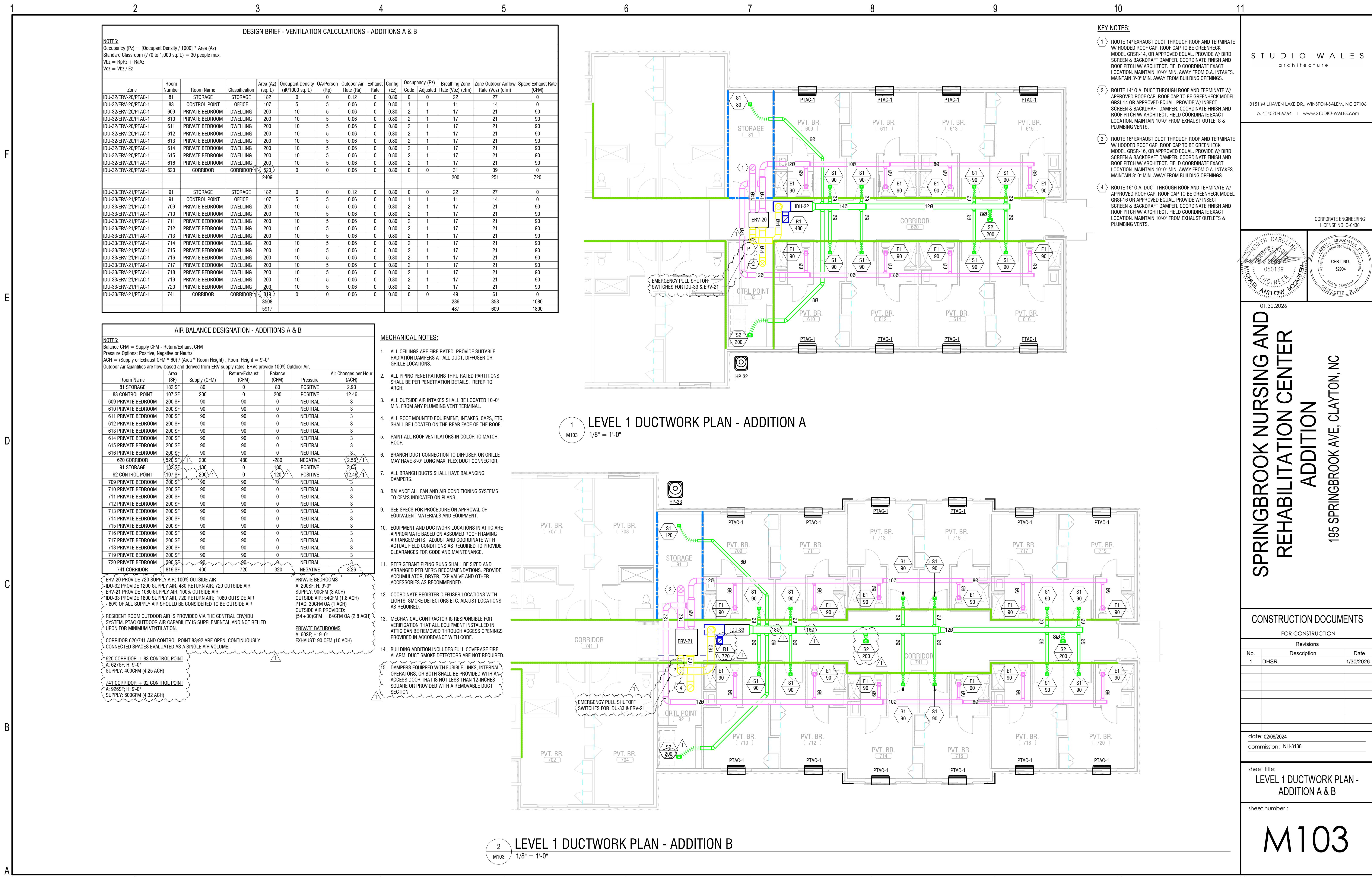


01.30.2026

SPRINGBROOK NURSING AND REHABILITATION CENTER ADDITION
195 SPRINGBROOK AVE, CLAYTON, NC







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SPLIT SYSTEM HEAT PUMP SCHEDULE																			
INDOOR UNIT TAG	OUTDOOR UNIT TAG	LOCATION	COOLING PERFORMANCE			HEATING PERFORMANCE			INDOOR UNIT			OUTDOOR UNIT			MANUFACTURER	MODEL	NOTES		
			CAPACITY (MBH)	EER	REFRIG. TYPE	CAPACITY @ 47°F (MBH)	CAPACITY @ 17°F (MBH)	DRY CFM	WEIGHT (lb)	POWER	MAX FUSE	MCA	FAN FLA	WEIGHT (lb)	POWER	MAX FUSE	MCA	FAN FLA	
IDU-32	HP-32	CORRIDOR 620	31.7	11.7	R-454B	32.0	21.8	1200	138	208V/1Ph/60Hz	30	27.0	3.9	222	208V/1Ph/60Hz	30	19.0	0.64	TRANE 5TEM4D04AC31SA / 5TWR5036A 3.6kW HEATER; PROVIDE MERV 13 FILTERS
IDU-33	HP-33	CORRIDOR 741	48.8	12.0	R-454B	44.0	28.8	1800	174	208V/1Ph/60Hz	60	52.0	6.8	222	208V/1Ph/60Hz	40	26.0	2.8	TRANE 5TEM6A0C48H41 / 5TWR5048H1 9.6kW HEATER; PROVIDE MERV 13 FILTERS

ENERGY RECOVERY VENTILATOR SCHEDULE																		
No.	SERVING	SUPPLY CFM	RETURN CFM	OUTSIDE CFM	EXHAUST CFM	SUPPLY ESP	EXHAUST ESP	SUPPLY TEMP (°F)	NET FLOW (CFM)	POWER (hp)	SENSIBLE EFFICIENCY (%)	LATENT RECOVERY MOISTURE	V/Hz/Ph	MCA (A)	MAX FUSE	MANUFACTURER	MODEL	NOTES
ERV-20	ADDITION A BEDROOMS	720	720	720	720	0.25	0.37	78.8	720	0.24	1.02	76%	120/60/1	20.5	25	GREENHECK	MINVENT-750-VG	PROVIDE MERV 13 FILTERS
ERV-21	ADDITION B BEDROOMS	1080	1080	1080	1080	0.25	0.37	78.8	1080	0.33	1.03	80%	208/60/1	12.6	15	GREENHECK	ERV-20-15L	PROVIDE MERV 13 FILTERS

REGISTER AND GRILLE SCHEDULE																	
No.	NECK SIZE	FACE SIZE	SERVICE	MATERIAL	DAMPER	FINISH	MOUNTING	USE	DESCRIPTION	MANUFACTURER	MODEL	NOTES					
E1	6"x6"	6"x6"	EXHAUST	ST	YES	WE	SURFACE	EXHAUST	EXHAUST GRILLE 45 DEG DEFLECTION	PRICE	530						
E2	8"x6"	10"x10"	EXHAUST	ST	YES	WE	SURFACE	EXHAUST	EXHAUST GRILLE 45 DEG DEFLECTION	PRICE	530						
R1	14"x14"	16"x16"	RETURN	ST	YES	WE	SURFACE	SUPPLY	RETURN GRILLE 45 DEG DEFLECTION	PRICE	530						
S1	6"x6"	6"x6"	SUPPLY	ST	YES	WE	SURFACE	SUPPLY	SUPPLY GRILLE DOUBLE DEFLECTION	PRICE	510						
S2	10"x4"	10"x6"	SUPPLY	ST	YES	WE	SURFACE	SUPPLY	SUPPLY GRILLE DOUBLE DEFLECTION	PRICE	510						

PTAC SCHEDULE											
No.	COOLING TOTAL BTUH	COOLING SENS. BTUH	CFM HIGH/LOW	ELectRIC DATA	MCA	MOPC	HEATING BTU	COP	NOTES	MANUFACTURER	MODEL
PTAC-1	7.1	6.9	360/205	208V/1PH	13.6	20	9.4	4.0	2.7 kW HEATER	GE	A265H07DAB

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