

North East Energy  
Alternatives, PLLC

Northfield, Vermont

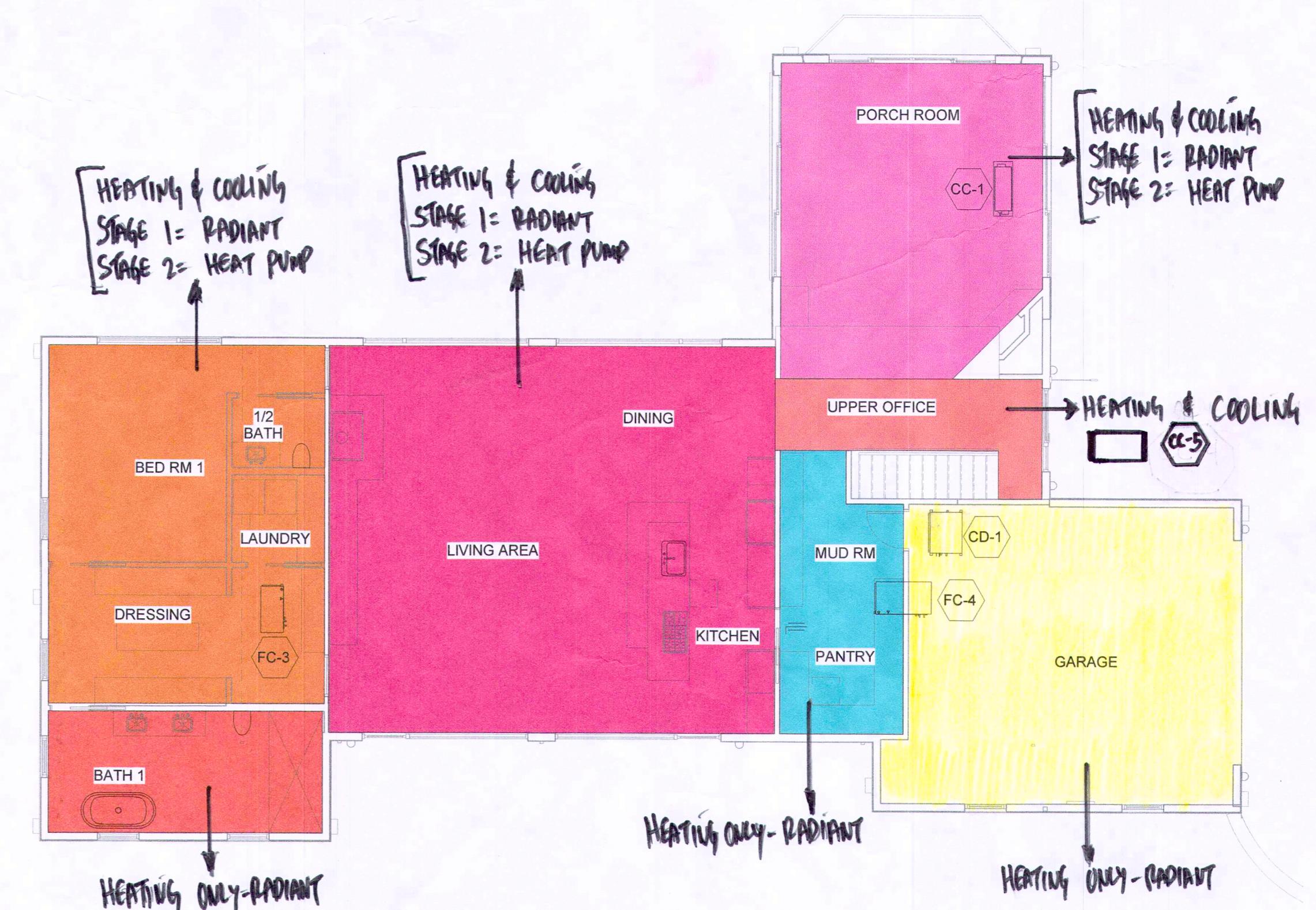
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ZONE EQUIPMENT SUMMARY - BASEMENT			
ZONE NUMBER	ROOM	EQUIPMENT	DESCRIPTION
ZONE 1	HALL	FC-1	DUCTED FAN COIL, HEATING ONLY. HEAT SOURCE: AIR TO WATER HEAT PUMPS. MAIN DUCT RUN TO BE LOCATED HIGH IN HALLWAY AND CONCEALED, TAKE-OFFS FROM TOP AND DUCTED UP IN FLOOR JOIST BAYS TO CEILING DIFFUSERS.
	BATH 4		
	BATH 3		
	BATH 2		
ZONE 2	LIBRARY	FC-2	DUCTED FAN COIL, HEATING AND COOLING. HEAT SOURCE: AIR TO WATER HEAT PUMPS. COOLING SOURCE: AIR TO WATER HEAT PUMPS. FAN COIL AND DUCT TO BE BUILT-IN WITH CASEWORK.
ZONE 3	BED RM 2	CC-2	CEILING CASSETTE SPLIT HEAT PUMP. HEATING AND COOLING. REFRIGERANT LINESET TO HP-4.
ZONE 4	BED RM 3	CC-3	CEILING CASSETTE SPLIT HEAT PUMP. HEATING AND COOLING. REFRIGERANT LINESET TO HP-4.
ZONE 5	BED RM 4	CC-4	CEILING CASSETTE SPLIT HEAT PUMP. HEATING AND COOLING. REFRIGERANT LINESET TO HP-4.



② ZONE PLAN - BASEMENT  
1/8" = 1'-0"

ZONE EQUIPMENT SUMMARY - FIRST FLOOR			
ZONE NUMBER	ROOM	EQUIPMENT	DESCRIPTION
ZONE 6	BED RM 1	FC-3 RADIANT FLOOR	DUCTED FAN COIL, COOLING ONLY. LOCATE IN MECHANICAL SPACE ABOVE LAUNDRY. HEAT SOURCE: RADIANT FLOOR - AIR TO WATER HEAT PUMPS.
	DRESSING		
	LAUNDRY		
	1/2 BATH		
ZONE 7	BATH 1	RADIANT FLOOR	HEAT SOURCE: RADIANT FLOOR - AIR TO WATER HEAT PUMPS. ALSO (1) CEILING DIFFUSER CONNECTED TO FC-3 FOR COOLING.
ZONE 8	LIVING	FC-4 RADIANT FLOOR	HEAT SOURCE: RADIANT FLOOR - AIR TO WATER HEAT PUMPS.
DINING	DUCTED FAN COIL, COOLING AND STAGE 2 HEAT. LOCATE IN MECHANICAL SPACE ABOVE MUD ROOM. FAN COIL PIPED TO AIR TO WATER HEAT PUMPS.		
KITCHEN			
ZONE 9	MUD ROOM	RADIANT FLOOR	HEAT SOURCE: RADIANT FLOOR AIR TO WATER HEAT PUMPS.
ZONE 10	PORCH ROOM	CC-1 RADIANT FLOOR	HEAT SOURCE: RADIANT FLOOR - AIR TO WATER HEAT PUMPS. CEILING CASSETTE SPLIT HEAT PUMP. COOLING AND STAGE 2 HEAT. REFRIGERANT LINESET TO HP-3.
ZONE 11	UPPER OFFICE	CD-1	CONCEALED DUCTED SPLIT HEAT PUMP. HEATING AND COOLING. LOCATE IN MECHANICAL SPACE ABOVE MUD ROOM. REFRIGERANT LINESET TO HP-3.



① ZONE PLAN - FIRST FLOOR  
1/8" = 1'-0"

No.	Description	Date
A	AIR SYSTEM COORDINATION	8-4-2022
B	DUCT AND HYDRONIC INTERCON.	8-24-2022

JENS PEERS & SEVERINE  
DEMEULENAERE  
225 MEADOWBROOK RD, DEDHAM MA

ZONE / EQUIPMENT PLANS

Project number	2209
Date	AUG 22, 2022
Drawn by	Author
Checked by	Checker
M 101	
Scale	1/8" = 1'-0"