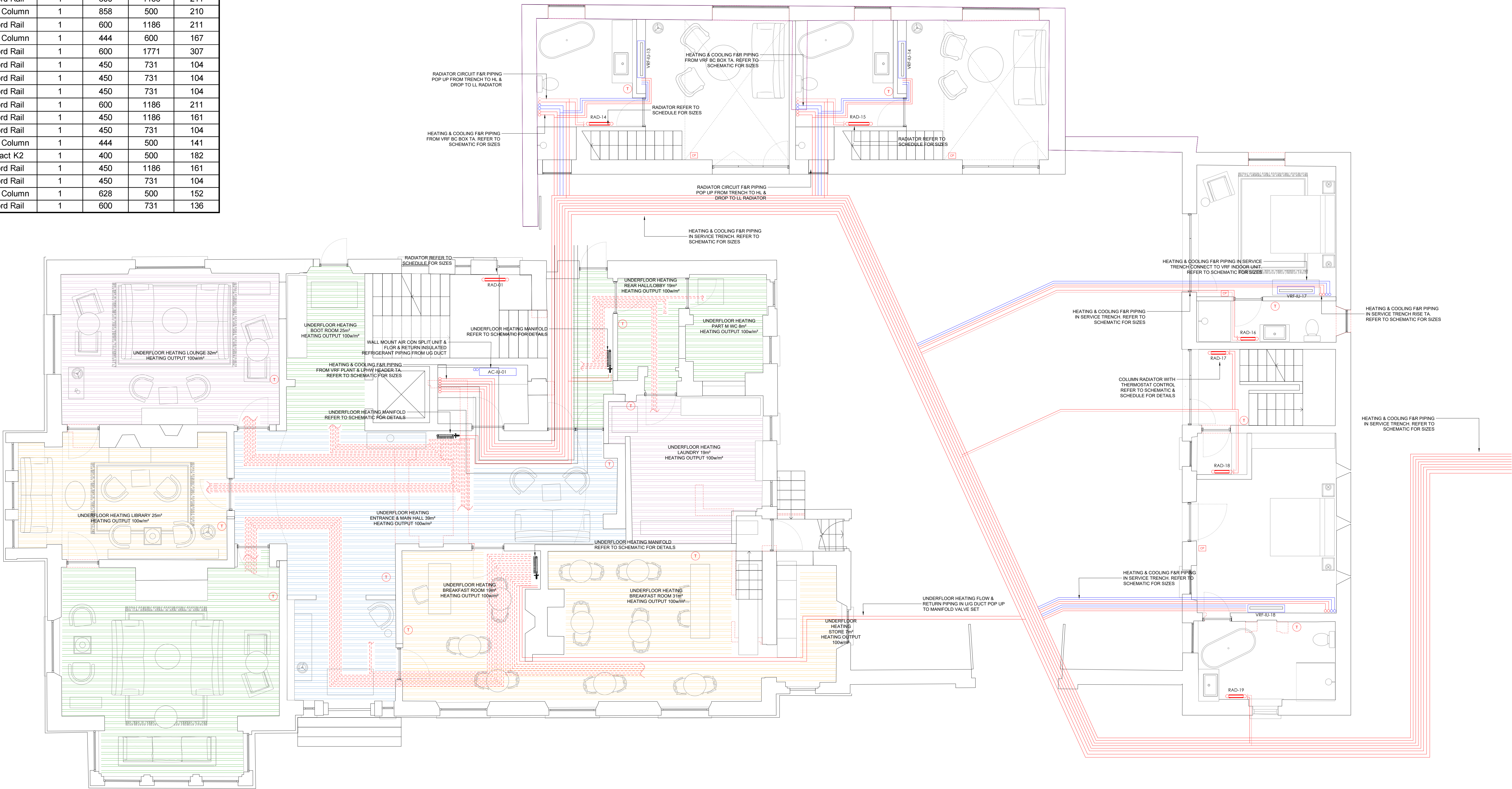


Room	Ref.	Heating Required (W)	Radiator Type	Qty	L	H	Radiator Output at ΔT20°C (W)
Stairwell GF	RAD-01	809	Classic Column	1	628	500	152
Bathroom Suite 02 FF RM02	RAD-02	886	Concord Rail	1	600	1511	264
Bathroom Suite 03 FF RM07	RAD-03	388	Concord Rail	1	600	731	136
Bathroom Suite 04 FF RM08	RAD-04	487	Concord Rail	1	450	1186	161
Bathroom Suite 05 FF RM10	RAD-05	445	Concord Rail	1	600	731	136
Bathroom Suite 01 FF RM12	RAD-06	600	Concord Rail	1	600	1186	211
Stairwell FF RM04	RAD-07	1151	Classic Column	1	858	500	210
Bathroom Suite 07 SF RM02	RAD-08	660	Concord Rail	1	600	1186	211
Stairwell SF RM04	RAD-09	627	Classic Column	1	444	600	167
Bathroom Suite 08 SF RM07	RAD-10	994	Concord Rail	1	600	1771	307
Bathroom Suite 09 SF RM08	RAD-11	307	Concord Rail	1	450	731	104
Bathroom Suite 10 SF RM10	RAD-12	285	Concord Rail	1	450	731	104
Bathroom Suite 06 SF RM13	RAD-13	130	Concord Rail	1	450	731	104
CAB Suite 01 En suite GF RM00	RAD-14	660	Concord Rail	1	600	1186	211
CAB Suite 02 En suite GF RM02	RAD-15	525	Concord Rail	1	450	1186	161
CH Suite 01 En Suite GR RM15	RAD-16	285	Concord Rail	1	450	731	104
CH Stairwell GF RM16	RAD-17	566	Classic Column	1	444	500	141
CH Store GF RM17	RAD-18	130	Compact K2	1	400	500	182
CH Suite 02 Acc En Suite GF RM19	RAD-19	448	Concord Rail	1	450	1186	161
CH Suite 03 En Suite FF RM15	RAD-20	209	Concord Rail	1	450	731	104
CH Stairwell FF RM16	RAD-21	719	Classic Column	1	628	500	152
CH Suite 04 En Suite FF RM18	RAD-22	421	Concord Rail	1	600	731	136



GUEST HOUSE & COACH HOUSE - GROUND FLOOR PLAN  
SCALE 1:75@A1

HEATING LEGEND

- TOUCHSCREEN CONTROLLER FOR HEATING CONTROLS
- HEAT PUMP CONTROL PANEL.
- RAD-XX  
RADIATOR - REFER TO SCHEDULE
- INDOOR TEMPERATURE SENSOR INSTALLED ON INTERNAL WALL
- OUTDOOR TEMPERATURE SENSOR INSTALLED ON NORTH FACING SURFACE

- EXTERNAL HEAT PUMP. REFER TO SCHEDULE FOR DETAILS
- UNDERFLOOR HEATING ZONE LOOPS
- VRF-U-XX  
VARIABLE REFRIGERANT FLOW (VRF) INTERNAL HEATING/COOLING UNIT. REFER TO SCHEDULE
- UNDERFLOOR HEATING MANIFOLD

- TWIN HEAD CIRCULATION PUMP
- SINGLE HEAD CIRCULATION PUMP
- CP  
VRF WALL MOUNT CONTROLLER
- EV-XX  
HEATING EXPANSION VESSEL. REFER TO SCHEDULE
- PU-XX  
PRESSURISATION UNIT. REFER TO SCHEDULE

- HEATING SERVICES NOTES:
- PRIMARY PIPEWORK FROM HEAT PUMP TO DETAIL ON SCHEMATIC. ALL FINAL CONNECTIONS TO RADIATORS TO BE 15MM COPPER TUBE.
  - ALL VALVES ARE TO BE READILY ACCESSIBLE FOR MAINTENANCE.
  - DRAIN VALVES ARE TO BE FITTED AT ALL LOW POINTS IN THE SYSTEM AND AIR VENTS AT ALL HIGH POINTS IN THE SYSTEM.
  - PIPEWORK RUN IN FLOORS, CEILINGS, PARTITIONS AND ATTIC SHALL BE INSULATED IN ACCORDANCE WITH THE MECHANICAL SPECIFICATION AND PART L OF THE BUILDING REGULATIONS.
  - THE HEAT PUMP IS TO BE SUPPLIED & INSTALLED BY THE MECHANICAL CONTRACTOR.
  - ALL PIPING IN UNHEATED SPACES INCLUDING TRENCHES TO BE HEAT TRACED.

P2	06.08.2024	FOR INFORMATION
P1	15.07.2024	FOR INFORMATION
Rev	Date	Amendments
<div><div></div><div></div><div></div></div>		
<div><div>7 Patrick Street Kilkenny Telephone 056 7721115 Email info@lawlerconsulting.com Web www.lawlerconsulting.com</div><div></div></div>		
Title MILLBROOK HOUSE & RESTAURANT HEATING & COOLING LAYOUT GUEST HOUSE & COACH HOUSE GROUND FLOOR		
Drawn by. JD	Scale. 1:75	Date. 25.06.2024
Checked by. JC	Drawing no. 402-LAW-B2-00-DR-M-5601	