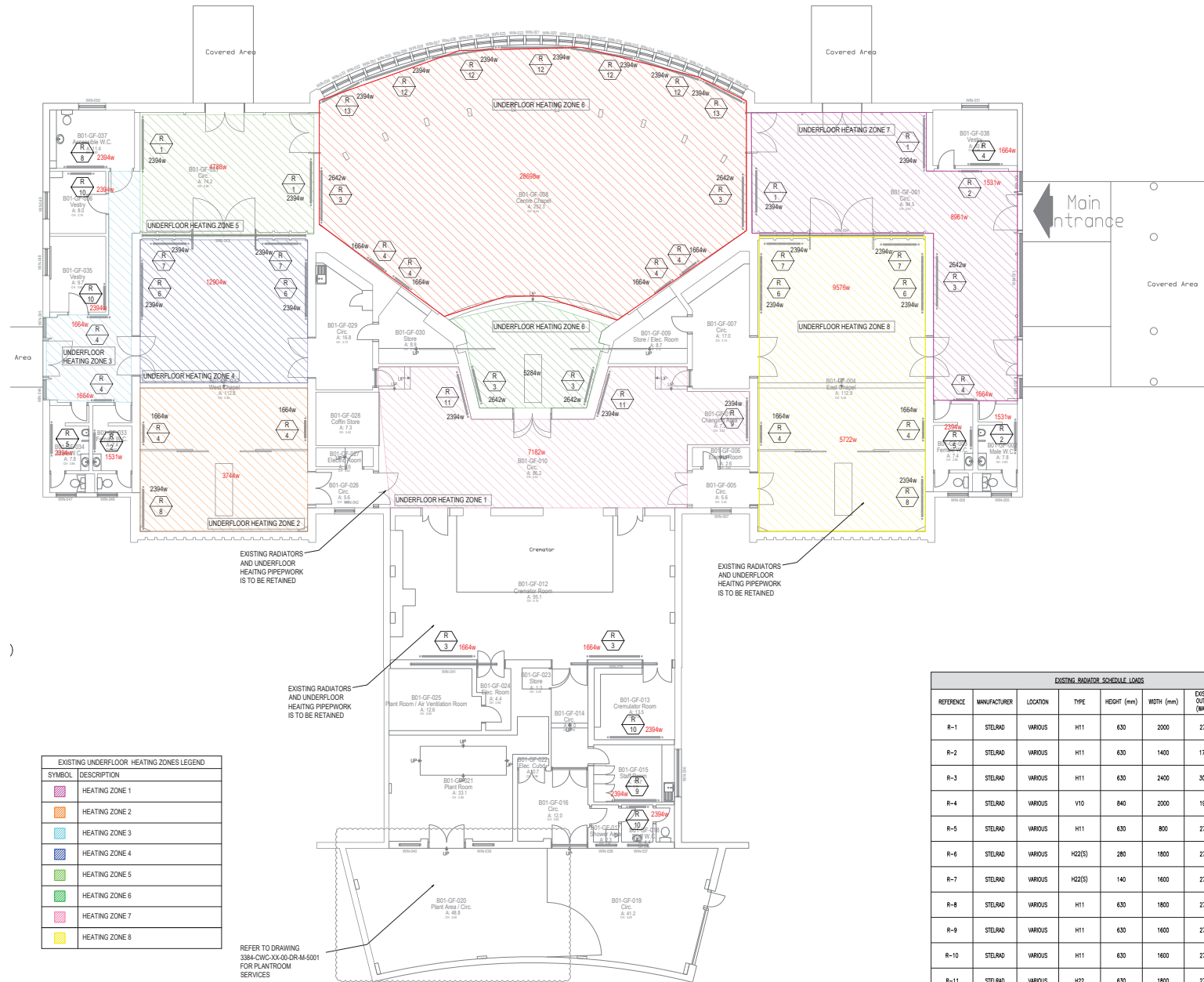




EXISTING UNDERFLOOR HEATING ZONES LEGEND	
SYMBOL	DESCRIPTION
	HEATING ZONE 1
	HEATING ZONE 2
	HEATING ZONE 3
	HEATING ZONE 4
	HEATING ZONE 5
	HEATING ZONE 6
	HEATING ZONE 7
	HEATING ZONE 8

LTHW HEATING NOTES:

- NO VALVES OR JOINTS TO BE INSTALLED IN INACCESSIBLE POSITIONS.
- THE MECHANICAL SERVICES CONTRACTOR SHALL DETERMINE PIPEWORK EXPANSION REQUIREMENTS BASED ON THEIR CO-ORDINATED LAYOUT DRAWINGS & PROVIDE ALL NECESSARY EXPANSION EQUIPMENT ACCORDINGLY.
- ALL PLANT AND EQUIPMENT TO BE PROVIDED WITH LOCAL ISOLATION TO PERMIT INDIVIDUAL REMOVAL OF EACH ITEM OF PLANT INDIVIDUALLY.
- ALL PIPEWORK SHALL BE FULLY INSULATED IN ACCORDANCE WITH THE SPECIFICATION. ALL PIPEWORK WITHIN PLANTROOMS AND RISERS SHALL BE PROTECTED BY ISOGENPAK OR SIMILAR FINISH. PIPEWORK EXTERNALLY SHALL BE FINISHED IN VENTURECLAD JACKETING OR SIMILAR.
- DRAIN VALVES SHALL BE INSTALLED TO ALL PIPEWORK DROPPING TO LOW LEVEL AND AIR VENTS SHALL BE INSTALLED AT ALL HIGH POINTS.
- COMMISSIONING STATIONS SHALL BE INSTALLED WITH FIVE STRAIGHT PIPE DIAMETERS UPSTREAM & FIVE STRAIGHT PIPE DIAMETERS DOWNSTREAM OF VALVE.
- WHERE ANY PIPEWORK PASSES THROUGH NON FIRE RATED WALLS, PIPE SLEEVES TO BE INSTALLED, TOGETHER WITH PIPE PLASTIC COVER PLATES.
- ALL PIPEWORK PENETRATING FIRE WALLS TO BE FIRE STOPPED BY MECHANICAL CONTRACTOR TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- MECHANICAL CONTRACTOR TO INCLUDE FOR ALL UNISTRUT SUPPORT CHANNELS, DROP RODS & NECESSARY FIXINGS FOR HANGING OF PIPEWORK, FITTINGS, ETC.
- THE MECHANICAL CONTRACTOR SHALL ALLOW FOR THE SUPPLY & INSTALLATION OF ALL NECESSARY ADDITIONAL PIPEWORK BENDS, SETS, ETC INCLUDING INSULATION, FITTINGS & SUPPORTS TO ALLOW FULL CO-ORDINATION OF SERVICES WITHIN CEILING VOIDS, RISERS & PLANT ROOM SPACES.
- CONTRACTOR TO AGREE ALL FINAL LOCATIONS OF RADIATORS WITH CLIENT.
- CONTRACTOR TO ALLOW FOR ALL PAINTING/DECORATING AND MAKING GOOD OF ALL FABRICS.
- ALL FINAL CONNECTIONS TO HEAT EMITTERS SHALL BE 15mm

PROPOSED HEATING SERVICES LEGEND	
SYMBOL	DESCRIPTION
	EXISTING RADIATOR TO REMAIN
	RADIATOR REFERENCE

EXISTING RADIATOR SCHEDULE LOADS						
REFERENCE	MANUFACTURER	LOCATION	TYPE	HEIGHT (mm)	WIDTH (mm)	CORRECTED OUTPUT (WATTS)
R-1	STELRAD	VARIOUS	H11	630	2000	2394
R-2	STELRAD	VARIOUS	H11	630	1400	1759
R-3	STELRAD	VARIOUS	H11	630	2400	3015
R-4	STELRAD	VARIOUS	V10	840	2000	1951
R-5	STELRAD	VARIOUS	H11	630	800	2751
R-6	STELRAD	VARIOUS	H22(S)	280	1800	2751
R-7	STELRAD	VARIOUS	H22(S)	140	1600	2751
R-8	STELRAD	VARIOUS	H11	630	1800	2751
R-9	STELRAD	VARIOUS	H11	630	1600	2751
R-10	STELRAD	VARIOUS	H11	630	1600	2751
R-11	STELRAD	VARIOUS	H22	630	1800	2751
R-12	STELRAD	VARIOUS	E27	280	2700	2751
R-13	STELRAD	VARIOUS	E27	280	1700	2751

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DESIGNERS RISK ASSESSMENT
REFER TO APPENDIX 1 OF M&E SPECIFICATION FOR DESIGNERS RISK ASSESSMENT SCHEDULE

DRAWING BACKGROUND:
GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL & STRUCTURAL DRAWINGS.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT BUILDING SERVICES DRAWINGS & THE RELEVANT SECTIONS OF THE SPECIFICATIONS & SCHEDULES.
- THIS DRAWING IS NOT TO BE SCALED.
- ALL DIMENSIONS ARE IN mm UNLESS OTHERWISE STATED.
- ANY DISCREPANCIES, ERRORS OR OMISSIONS ARE TO BE CLARIFIED WITH THE RELEVANT ENGINEER AT THE EARLIEST OPPORTUNITY.
- THIS DRAWING HAS BEEN DEVELOPED TO RIBA STAGE 4 IN ACCORDANCE WITH BSRIA BG 6 (2018) TECHNICAL DESIGN DRAWING DEFINITIONS.
- THE DRAWING DOES NOT INDICATE THE PRECISE POSITION OF SERVICES AND SHOWS THE INTENDED LOCATIONS OF BUILDING SERVICES ITEMS AND SERVICE ROUTES IN SUCH DETAIL AS TO INDICATE THE DESIGN. THE DRAWING DOES NOT SHOW ALL COMPONENTS THAT MAY BE NECESSARY TO LOCATE SERVICES IN A FULLY CO-ORDINATED MANNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL CO-ORDINATION OF THE INSTALLATION AND SHALL ACCOUNT FOR ALL OTHER WORKS AND TRADES DURING AND BEFORE THEIR INCORPORATION INTO THE WORKS.
- COORDINATION WORKING DRAWINGS, INSTALLATION DRAWINGS AND BUILDERS WORK DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR.
- CROOKES WALKER IS NOT RESPONSIBLE FOR THE DESIGN AND COORDINATION OF ACCESS PLATFORMS, ACCESS COVERS, GRATINGS, LADDERS, STAIRS, RAILS AND PROTECTING ELEMENTS REQUIRED FOR FUTURE ACCESS, MAINTENANCE AND OPERATION OF THE WORKS.

T2 12.02.24 UPDATED DUE TO COMMENTS JB GR
T1 16.12.24 TENDER ISSUE JB GR
Rev Date Description Eng/Chn



Client



Project
**EQUANS MCC BLACKELY
CREMATORIUM AND CHAPEL**

Drawing Title
**EXISTING HEATING
LAYOUT**

Status
TENDER

Project No
3384

Drawing No
3384-CWC-XX-20-DR-M-5001

Scale / Paper Size
1:100 @ A1

Rev
T2