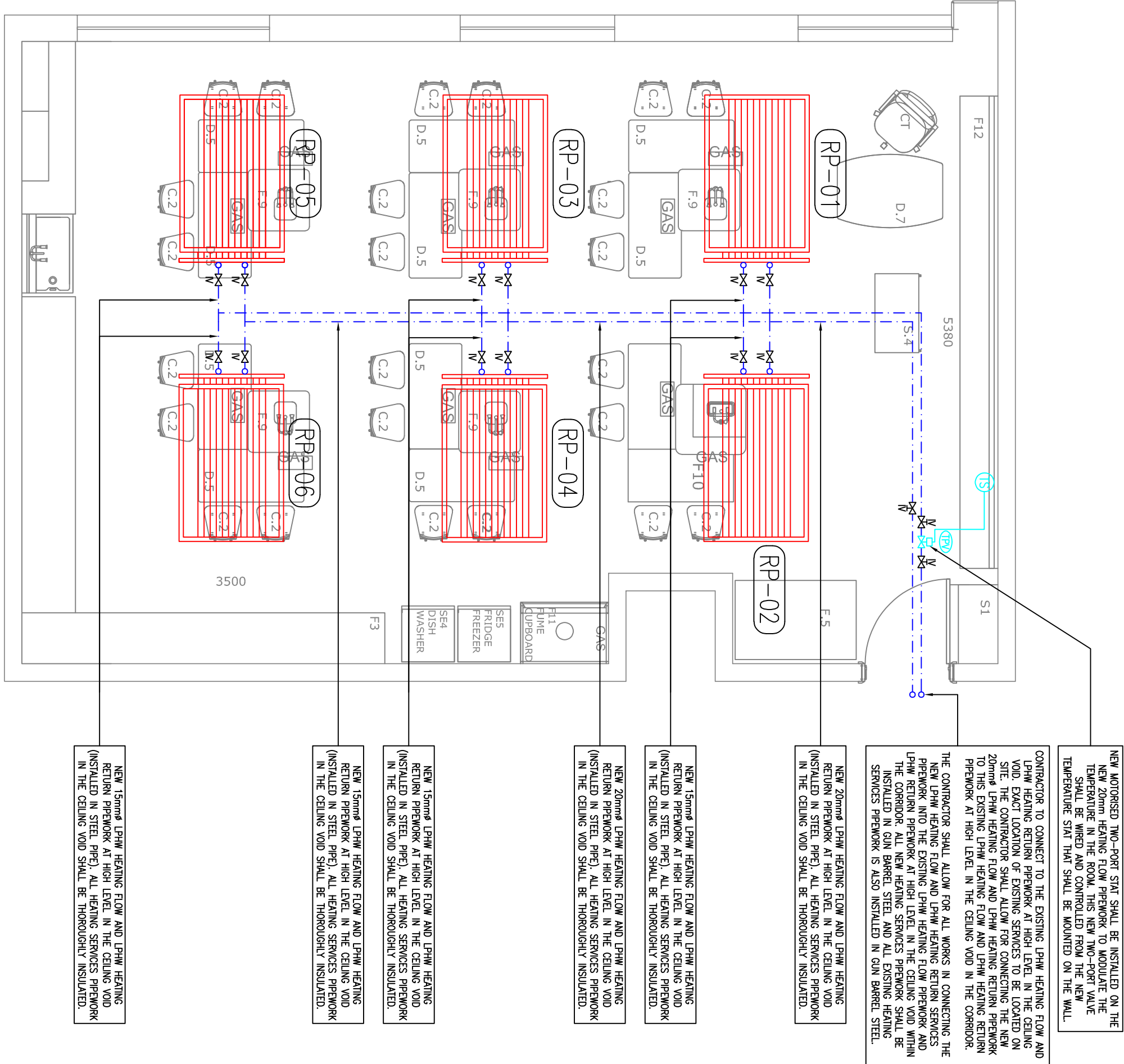
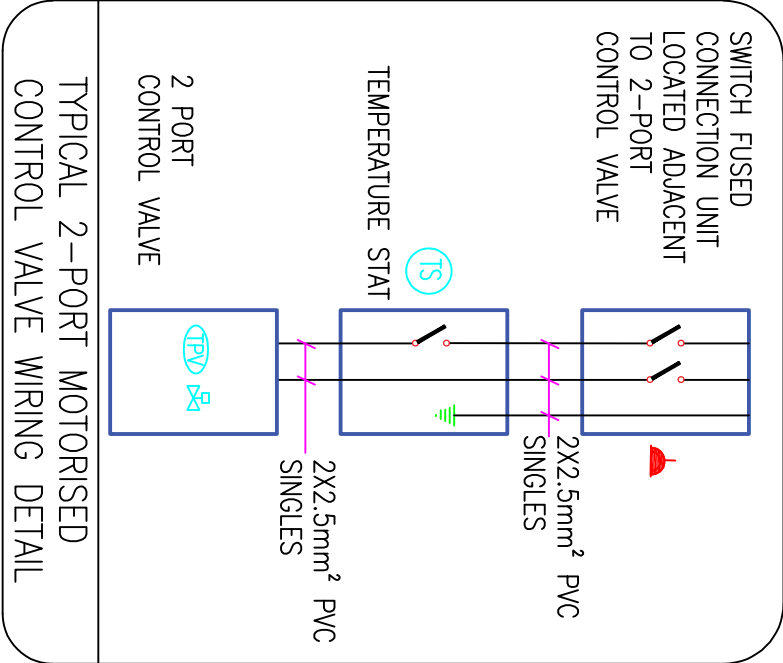




THE LPHW RADIANT PANELS SHALL BE FIXED/SUPPORTED FROM THE EXISTING STRUCTURAL BEAMS WITHIN THE ROOM. SEE SPECIFICATION & MANUFACTURES INFORMATION FOR MOUNTING DETAILS. THE LPHW RADIANT PANELS SHALL BE FIXED/SUPPORTED AT 300 POINTS ALONG THE LENGTH OF THE PANEL AT APPROXIMATELY 600mm BETWEEN FIXING POINTS.

SPACE HEATING SERVICES INSTALLATION LAYOUT (SCALE 1:50)

SPACE HEATING SERVICES LEGENDS AND SYMBOLS	
	NEW LPHW HEATING FLOW AND LPHW HEATING RETURN SERVICES (NEW LPHW HEATING FLOW AND LPHW HEATING RETURN SERVICES VMD AND SHALL THEREFORE BE INSULATED)
	NEW RECESSED RADIANT PANELS (** DENOTES RADIATOR NUMBER AND TYPE)
	NEW CEILING MOUNTED RECESSED RADIANT PANELS (ALL THESE RADIANT SHALL BE STANDARD STEEL PANEL)
	TWO-PORT ROOM MOTORISED VALVE (LINKED TO THERMOSTAT IN ROOM)
	WALL MOUNTED ROOM THERMOSTAT (LINKED TO TWO-PORT VALVE)
	ISOLATION VALVE
	T.B. TO BELOW
	T.A. TO ABOVE
	LOW LEVEL
	HIGH LEVEL
	FROM BELOW
	FROM ABOVE
	THERMOSTATIC RADIATOR VALVE



RADIANT PANEL SCHEDULE FOR THE EXISTING SCHOOL BUILDING							
Reference	Qty	Location	Design Output (Watts)	Output Per Rad (Watts)	Casing Length (mm)	Casing Height (mm)	Casing Width (mm)
RP-01 to RP-06	6	Science Room	5312	912	1790	35	1190
						Radiant panel Type	
						Merriford Enniscorthy in	
						Closed Ceiling	
						How heating of	
						rads are	
						controlled	
						Two-port valve	

GENERAL NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.
- THE MECHANICAL CONTRACTOR SHALL CO-ORDINATE FULLY WITH ALL OTHER TRADES BEFORE COMMENCING WORK. THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL THE NECESSARY INFORMATION TO ALLOW THE MAIN CONTRACTOR CO-ORDINATE ALL SERVICES.
- THE MECHANICAL CONTRACTOR SHALL ALLOW FOR CO-ORDINATING THE MECHANICAL INSTALLATION WITH THE ELECTRICAL CONTRACTOR AND ALL OTHER TRADES WORKING ON THE SITE. THE CO-ORDINATION OF SERVICES NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE MAIN CONTRACTOR.
- DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.
- THE MECHANICAL CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL MECHANICAL SERVICES INDICATED ON THIS DRAWING.
- THE MECHANICAL CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR PIPework, MECHANICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.
- NEW MAINS RUN OF MECHANICAL PIPework AND SERVICES SHALL BE INSTALLED IN THE AREAS AS INDICATED. THIS IS INDICATIVE ONLY AND IF THE CONTRACTOR FINDS A MORE CONVENIENT ROUTE FOR THE MECHANICAL SERVICES ON SITE THEN THAT WILL BE ACCEPTED.
- FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/PIPework, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.
- ALL SERVICES THROUGH FIRE BARRIERS SHALL BE STOPPED EACH SIDE OF THE BARRIER. THE MAIN CONTRACTOR SHALL ALLOW FOR FIRE PROOFING THE GAPS AFTER SERVICES IS INSTALLED.
- THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, WIRING AND ATTENDANCES IN COMPLETING ALL THE MECHANICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

SPACE HEATING SERVICES NOTES:

- THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DECOMMISSIONING AND REMOVING THE EXISTING LPHW HEATING SERVICES (NEW LPHW HEATING FLOW AND LPHW HEATING RETURN SERVICES) AND REMOVE ALL LPHW HEATING SERVICES PIPework, VALVES, RADIATORS, ETC. THROUGHOUT THE SCIENCE ROOM AND THE PREP ROOM, ETC. ALL WORKS SHALL BE CARRIED OUT BY THE MECHANICAL CONTRACTOR.
- THE NEW LPHW HEATING SERVICES PIPework FOR THE PREP ROOM AND SERVICE ROOM SHALL BE CONNECTED BACK TO THE EXISTING LPHW HEATING SERVICES PIPework IN THE ROOM AS INDICATED ON THE DRAWINGS.
- THE NEW LPHW HEATING SERVICES PIPework IN THE ROOM AS INDICATED ON THE DRAWINGS.
- ALL PIPES IN CEILING VOIDS AND SERVICE VOIDS SHALL BE INSULATED WITH FOLDED BACK MINERAL WOOL INSULATION. INSULATION SHALL BE FITTED TO ALL CONNECTIONS, BENDS, TEES AND VALVES.
- THE CONTRACTOR SHALL ENSURE ALL RADIATORS ARE MOUNTED IN RELATIVE LOCATIONS PRIOR TO DRESSING. FINAL LOCATIONS OF ALL RADIANT PANELS TO BE CO-ORDINATED ON SITE WITH FIXED FURNITURE LAYOUTS.
- RADIANT PANEL CONNECTIONS SHALL BE BOTTOM SAME END UNLESS OTHERWISE STATED. ALL CONNECTIONS TO RADIANT PANELS SHALL BE #15mm, UNLESS INDICATED OTHERWISE.
- ALLOW FOR INSTALLING THE TWO-PORT VALVE C/W STAT ON THE PIPework TO RADIANT PANELS IN THE SCIENCE ROOM AS INDICATED.
- AUTOMATIC AIR VENTS SHALL BE PROVIDED AT ALL HIGH POINTS THROUGHOUT THE SYSTEM.
- THE HEATING SYSTEM FLOW AND RETURN LPHW PIPework SHALL BE INSTALLED IN MEDIUM GRADE BLACK MILD STEEL TUBE. UNLESS INDICATED, THE SIZE OF ISOLATION VALVES, PIPING VALVES, COMMISSIONING VALVES, ETC. SHALL MATCH THE INDICATED LINE SIZE OF THE PIPework, WHERE THE EQUIPMENT IS INDICATED.

REV	DATE	PREPARED BY/PROJECT ENGINEER	QUANTY CHECK BY:
01	04.06.26	J. MARTIN	G. BENNODORF

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Drawing Status
TENDER

Job Title
**CBS JAMES STREET,
8 BASIN VW, THE LIBERTIES,
DUBLIN 8,
D08 H2H9.**

Drawing Title

**NEW SPACE HEATING SERVICES
TO BE INSTALLED IN THE
SCIENCE ROOM.**

Architect
MCLVA McLaughlin Architecture
Units 4B, Elmwood Park,
Moss, Co. Kildare

Drawing No. **57(M001)**

Job No. **26-028** Drawn by: **J.M** Scale: **1:50** on **A1** Rev: **T1**