

ALL LPHW PIPEWORK SHALL BE SURFACE MOUNTED ON WALL. ALLOW FOR CONNECTING TO EXISTING SURFACE MOUNTED LPHW PIPEWORK IN ROOMS AS INDICATED. ALLOW FOR PAINTING ALL PIPEWORK TO MATCH WALL COLOUR ONCE INSTALLED.

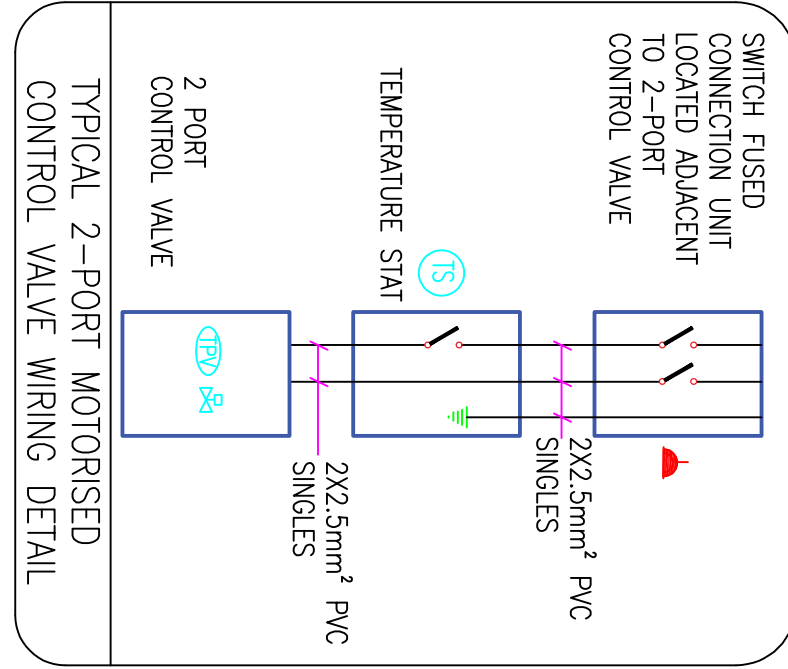


SPACE HEATING SERVICES INSTALLATION LAYOUT (SCALE 1:50)

RADIATOR & RADIANT PANEL SCHEDULE FOR THE EXISTING SCHOOL BUILDING							
Reference	Qty	Location	Design Output (Watts)	Casing Length (mm)	Casing Width (mm)	Low Water Content Radiator Type	How heating of rads are controlled
R-01 - R-03	3no	Science Room 1	2658	1650	500	Merritot Optima - WTG150T	Two-port valve
R-04 - R-06	3no	Science Room 2	2658	1650	500	Merritot Optima - WTG150T	Two-port valve
R-07	1no	Prep Room	1539	1050	500	Merritot Optima - WTG150T	N/A

SPACE HEATING SERVICES LEGENDS AND SYMBOLS

	NEW LPHW HEATING FLOW AND LPHW HEATING RETURN SERVICES PIPEWORK AT HIGH LEVEL EXPOSED ON THE WALL
	NEW LPHW HEATING FLOW AND LPHW HEATING RETURN SERVICES PIPEWORK AT SKIRTING LEVEL EXPOSED
	NEW RADIATOR (** DENOTES RADIATOR NUMBER AND TYPE)
	NEW RADIATOR (ALL RADIATORS 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
L/L	LOW LEVEL
H/L	HIGH LEVEL
F.B.	FROM BELOW
F.A.	FROM ABOVE
TRV	THERMOSTATIC RADIATOR 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.
- ANY EXTRA COSTS INCURRED DUE TO THE CO-ORDINATION WORKS NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.
- 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 INDICATING ONE WAY 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 UNITS 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 DEMONSTRATION AND REMOVAL OF THE EXISTING LPHW HEATING SERVICES PIPEWORK AND RETURN PIPEWORK AT SKIRTING LEVEL ON THE WALL EXPOSED. ALLOW FOR PAINTING. PERMITTER TO MATCH WALL COLOUR.
- A NEW LPHW HEATING SERVICES INSTALLATION SHALL BE SUPPLIED AND INSTALLED IN THE PREP ROOM AND THE SCIENCE ROOM AS INDICATED ON THE DRAWING INCLUDING NEW HEATING SERVICES PIPEWORK, NEW RADIANT PANELS, NEW TWO-PORT VALVE, NEW STAT, ETC. ALL WORKS SHALL BE CARRIED OUT BY THE MECHANICAL CONTRACTOR.
- THE NEW LPHW HEATING SERVICES PIPEWORK FOR THE PREP ROOM AND SCIENCE ROOM SHALL BE CONNECTED BACK TO THE EXISTING LPHW HEATING SERVICES PIPEWORK IN THE ROOM. THE NEW LPHW HEATING SERVICES PIPEWORK SHALL CONNECT TO THE EXISTING 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 OPENING. 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 #16mm, UNLESS OTHERWISE STATED.
- 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.
- UNLESS INDICATED, THE SIZE OF ISOLATION VALVES, BRAIN VALVES, COMMENSURING VALVES, ETC. SHALL UNLESS THE INDICATED LINE SIZE OF THE PIPEWORK, WHERE THE EQUIPMENT IS INDICATED.

W&E CONSULTANT

REV

DATE

18.06.25

J. MARTIN

G. BENNDORF

PREPARED BY/PROJECT ENGINEER

QUANTY CHECK BY:

Job Title

TENDER

Job Title

STANHOPE STREET SECONDARY SCHOOL, MANOR STREET, STONEYBATTER, DUBLIN 7, D07 YP03.

Drawing Status

TENDER

Copyright ©

Galileo Energy Services

Unit A6, M4 Business Park, Celbridge, Co. Kildare.

Tel: 01-6274103

www.galileoenergy.ie

Architect

MCLVA

McDonagh Architecture

Units 4B, Elm House, Millenary Park, Noss, Co. Kildare

Drawing No.

56(M001)

Tab No.

26-027

Drawn by:

J.M

Scale:

1:50

on

A1

Rev.

T1