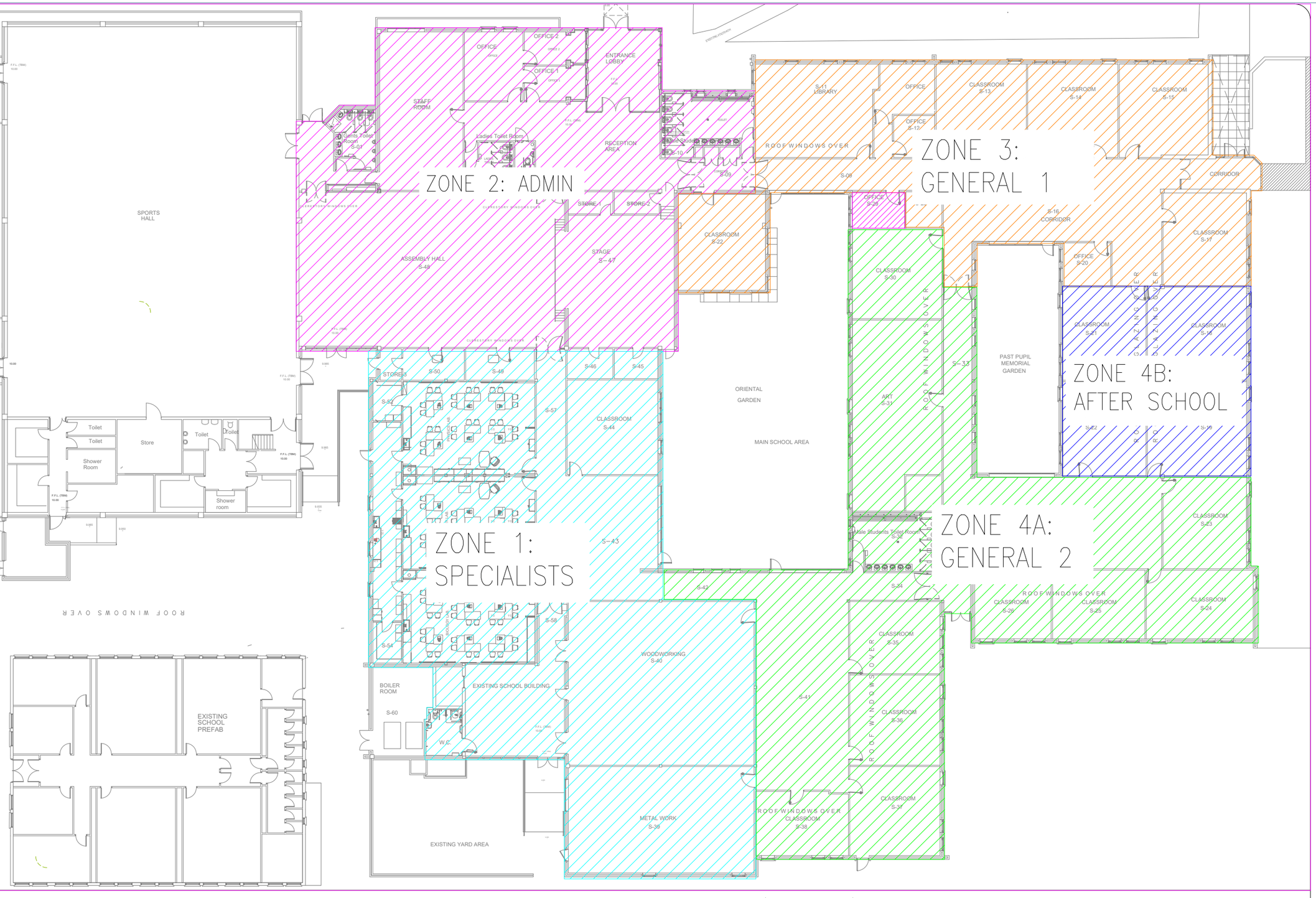
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SPACE HEATING INSTALLATION SERVICES LAYOUT FOR THE BUILDING (SCALE 1:150)

SPACE HEATING ZONE LEGENDS AND SYMBOLS

- ZONE 1: SPECIALIST ZONE IN THE EXISTING BUILDING
- ZONE 2: ADMIN ZONE IN THE EXISTING BUILDING
- ZONE 3: GENERAL 1 ZONE IN THE EXISTING BUILDING
- ZONE 4A: GENERAL 2 ZONE IN THE EXISTING BUILDING
- ZONE 4B: AFTER SCHOOL ZONE IN THE EXISTING BUILDING

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL MECHANICAL, ELECTRICAL, ARCHITECTURAL AND STRUCTURAL DRAWINGS & SPECIFICATIONS.

2. THE 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.

3. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR CO-ORDINATING THE MECHANICAL INSTALLATION WITH THE BUILDING STRUCTURE AND ALL OTHER SERVICES. ANY CHANGES REQUIRED DUE TO THE CO-ORDINATION EXERCISE NOT BEING COMPLETED WILL NOT BE ACCEPTED BY THE ENGINEER.

4. DO NOT SCALE THIS DRAWING. ALL DIMENSIONS TO BE TAKEN ON SITE.

5. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL MECHANICAL SERVICES INDICATED ON THIS DRAWING.

6. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY SUITABLE FINAL ROUTES FOR PIPEWORK, MECHANICAL SERVICES, ETC. AS INDICATED ON THE DRAWINGS.

7. NEW WORKS RUN OF MECHANICAL PIPEWORK SHALL BE INSTALLED IN THE AREAS AS INDICATED. THIS IS INDICATIVE ONLY AND IT IS THE CONTRACTOR'S ROLE & MORE CONVENIENT ROUTES FOR THE MECHANICAL SERVICES ON SITE THEN THAT WILL BE ACCEPTABLE.

8. FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/PIPEWORK, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.

9. ALL SERVICES THROUGH FIRE BARRIERS SHALL BE SLEEVED EACH SIDE OF THE BARRIER. THE MAIN CONTRACTOR SHALL ALLOW FOR FIRE PROOFING THE OPES AFTER SERVICES IS INSTALLED.

10. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, MINOR, AND ATTENDANCES IN COMPLETING ALL THE MECHANICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

SPACE HEATING SERVICES NOTES:

11. THE MECHANICAL CONTRACTOR SHALL ALLOW FOR DECOMMISSIONING AND REMOVING FROM SITE ALL OF THE SPACE HEATING INSTALLATION THROUGHOUT THE BUILDING. THIS SHALL INCLUDE ALL OF THE EQUIPMENT IN THE EXISTING BOILERHOUSE, EXISTING RADIATORS AND ASSOCIATED SPACE HEATING PIPEWORK.

12. THE CONTRACTOR SHALL ALLOW FOR ALL NECESSARY LABOUR, MATERIALS AND ATTENDANCES IN COMPLETING ALL THE MECHANICAL WORKS AS INDICATED ON THE DRAWINGS AND SPECIFICATIONS.

13. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF A NEW SPACE HEATING INSTALLATION THROUGHOUT THE ENTIRE BUILDING INCLUDING ALL NEW RADIATORS, LPHW FLOW AND RETURN PIPEWORK, CONTROLS, ELECTRICAL WORKS, ETC. AS INDICATED ON THE DRAWINGS.

14. THE EXISTING HEATING CENTRAL BOILERS, CONTROLS, PUMPS, ETC. IN THE EXISTING BOILERHOUSE SHALL BE DECOMMISSIONED AND REPLACED IN ITS ENTIRETY. THE NEW HEATING SERVICES PIPEWORK FOR THE ENTIRE BUILDING SHALL BE CONNECTED BACK INTO THE NEW FLOW AND RETURN HEADERS IN THE BOILERHOUSE AS INDICATED ON THE DRAWINGS.

15. FINAL LOCATION OF ALL ITEMS OF PLANT/EQUIPMENT/PIPEWORK ROUTES, ETC. SHALL BE AGREED ON SITE WITH THE EMPLOYERS REPRESENTATIVE AND THE CLIENT.

16. REFER TO ALL OTHER DRAWINGS FOR SPECIFIC LAYOUT OF REQUIRED SERVICES THROUGHOUT THE BUILDING.

17. ALL PIPES IN CEILING VOIDS, RISER-DUCTS ATTIC SPACES AND OTHER NON-OCCUPIED AREAS ARE TO BE INSULATED. INSULATION SHALL BE FOILED BACK MINERAL WOOL INSULATION. INSULATION SHALL BE FITTED TO ALL CONNECTIONS, BENDS, TEE'S AND VALVES.

18. THE CONTRACTOR SHALL ENSURE ALL RADIATORS ARE MEASURED IN RELEVANT LOCATIONS PRIOR TO ORDERING.

19. FINAL LOCATIONS OF ALL RADIATORS TO BE CO-ORDINATED ON SITE WITH FIXED FURNITURE LAYOUTS.

20. RADIATOR CONNECTIONS SHALL BE BOTTOM SIDE END UNLESS OTHERWISE STATED. ALL CONNECTIONS TO RADIATORS SHALL BE 915mm, UNLESS INDICATED OTHERWISE.

21. ALLOW FOR INSTALLING 3-PORT VALVES ON PIPEWORK TO RADIATORS IN THE BUILDING AS INDICATED. SEE DETAIL ON DRAWING FOR PIPING ARRANGEMENT OF 3-PORT VALVES IN ROOMS. THE 3-PORT VALVE ARRANGEMENTS SHALL BE LINKED TO THE BMS CONTROLS PANEL IN THE BOILERHOUSE.

22. AUTOMATIC AIR VENTS SHALL BE PROVIDED AT ALL HIGH POINTS THROUGHOUT THE SYSTEM.

23. THE CONTRACTOR SHALL ALLOW FOR THE SUPPLY AND INSTALLATION OF ALL ITEMS INDICATED ON THE DRAWING i.e. RADIATORS, LPHW FLOW AND RETURN SERVICES PIPEWORK, CONTROLS, 3NO-PORT VALVES, ETC.

24. HEATING SYSTEM FLOW AND RETURN LPHW PIPEWORK SHALL BE INSTALLED IN BLUE BARREL BLACK STEEL TUBE, SUITABLE FOR THE OPERATING TEMPERATURES AND PRESSURES OF THE LPHW SYSTEM.

25. ALL NEW RADIATORS THROUGHOUT THE BUILDING SHALL BE SURFACE MOUNTED.

26. EQUIPMENT TO HAVE LOCAL ISOLATING VALVES.

27. DRAIN VALVES SHALL BE PROVIDED AT ALL LOW POINTS THROUGHOUT THE SYSTEM.

28. THE HEATING SYSTEM PIPEWORK THROUGHOUT INCLUDING ALL HEATING PIPEWORK IN THE PLANTROOM AND IN THE BUILDING SHALL BE MEDIUM GRADE BLACK MILD STEEL TUBE.

29. UNLESS INDICATED, THE SIZE OF ISOLATION VALVES, DRAIN VALVES, COMMISSIONING VALVES, ETC. SHALL MATCH THE REDUCED LINE SIZE OF THE PIPEWORK, WHERE THE EQUIPMENT IS INDICATED.

30. THE CONTRACTOR TO ALLOW FOR DECOMMISSIONING THE EXISTING GAS HEATERS IN THE SPORTS HALL AND THE SUPPLY AND INSTALL OF NEW GAS HEATERS IN THIS LOCATION AS SHOWN ON DRAWING.

REV	DATE	PREPARED BY/PROJECT ENGINEER	QUALITY CHECK BY:
T1	13.10.25	E.OLAYA	G.BENNDORF

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Drawing Status: TENDER

Job Title: SALESIAN COLLEGE CELBRIDGE CO. KILDARE

Drawing Title: SPACE HEATING SERVICES ZONES FOR THE BUILDING.

Architect:

Drawing No: 56(M002)

Job No.	Drawn by:	Scale:	Rev.
26-039	AS	SHOWN	T1