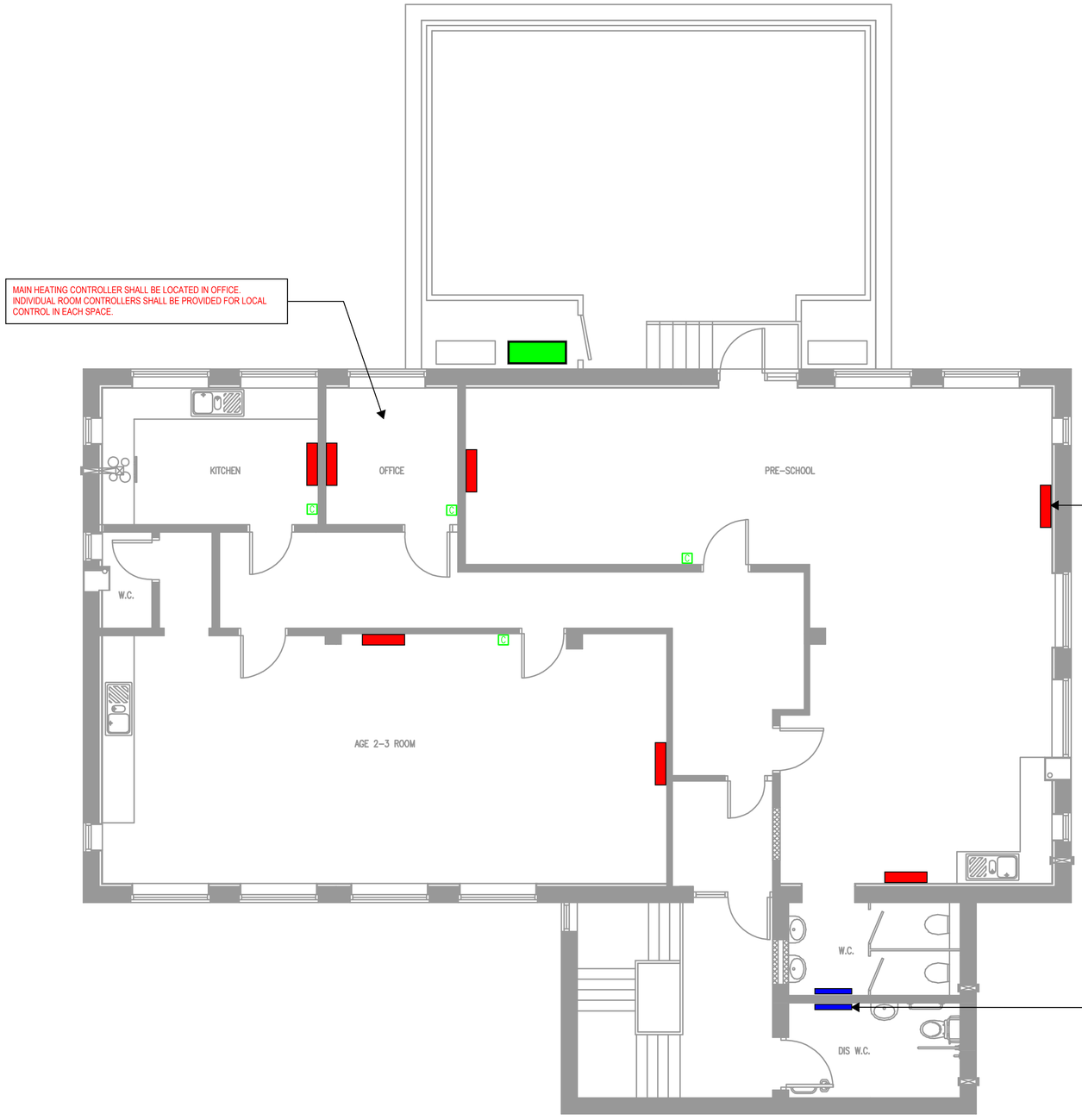
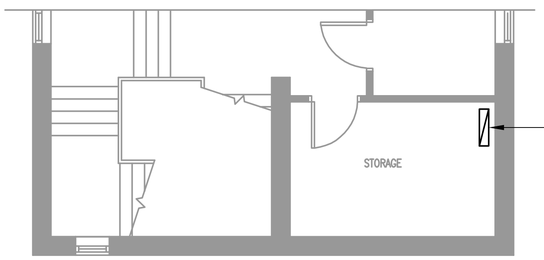


FIRST FLOOR – PROPOSED HEATING LAYOUT

SCALE 1:50



THE NEW THREE PHASE POWER SUPPLY FOR THE NEW EXTERNAL CONDENSING UNIT SHALL BE SUPPLIED FROM THE EXISTING SWITCHGEAR. NEW WIRING SHALL FOLLOW THE SAME ROUTE AS THE EXISTING DISTRIBUTION TO THE NURSERY.

INTERMEDIATE FLOOR – PROPOSED HEATING LAYOUT

SCALE 1:50

LEGEND:

- WALL MOUNTED HEAT PUMP UNIT
- EXTERNAL CONDENSING UNIT
- REFRIGERANT PIPEWORK, POWER AND CONRTOL WIRING DISTRIBUTION ROUTE
- WALL MOUNTED CONTROLLER
- LOW SURFACE TEMPERATURE PANEL HEATER

KITCHEN, OFFICE, PRE SCHOOL AND AGE 2-3 ROOMS SHALL BE HEATED VIA HIGH LEVEL WALL MOUNTED HEAT PUMP UNITS:



TOILETS SHALL BE HEATED VIA LOW SURFACE TEMPERAUTRE PANEL HEATERS SUCH AS DIMPLEX LST050



DO NOT SCALE

NOTES:

1. THE CONTRACTOR SHALL VISIT SITE DURING THE TENDER PERIOD. NO DELAYS OR CLAIMS WILL BE ENTERTAINED AS A RESULT OF FAILING TO DO SO.
2. UNLESS OTHERWISE STATED ALL DIMENSIONS ARE GIVEN IN MILLIMETRES OR METRES. THE CONTRACTOR SHALL CHECK ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF WORKS. THIS DRAWING SHALL ONLY BE USED FOR THE DEVELOPMENT OF WORKING/INSTALLATION DRAWINGS.
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT LAYOUT DRAWINGS AND ASSOCIATED SERVICES SPECIFICATION.
4. ALL FINAL CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATION.
5. HEAT PUMP UNITS SHALL BE PROVIDED WITH CONDENSATE PUMP, A SEPARATE ELECTRICAL POWER SUPPLY SHALL BE PROVIDED TO CONDENSATE PUMPS WHERE REQUIRED.
6. CONDENSATE DRAINS RUNS SHALL BE TRAPPED TO NEAREST WASTE STACK.
7. FINAL POSITION OF WALL MOUNTED CONTROLLERS SHALL BE CONFIRMED ON SITE.
8. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY POWER AND CONTROLS WIRING FOR THE COMPLETE INSTALLATION.
9. THE ELECTRICAL CONTRACTOR SHALL DESIGN AND INSTALL ALL POWER SUPPLIES ASSOCIATED WITH THE HEATING SYSTEMS.
10. ALL ELECTRICAL WORKS SHALL BE UNDERTAKEN BY NICEIC APPROVED CONTRACTORS IN ACCORDANCE WITH BS7671 REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, CURRENT BUILDING REGULATIONS AND SAFETY STANDARDS.
11. PROVIDE ALL CONTAINMENT, SUPPORTS AND FIXINGS NECESSARY TO COMPLETE THE WORKS.
12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY PLANT AND EQUIPMENT TO FACILITATE A COMPLETE AND WORKING INSTALLATION.
13. THE CONTRACTOR SHALL INCLUDE FOR ALL BUILDERS WORK IN ASSOCIATION WITH THE M&E INSTALLATION.
14. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TESTING AND COMMISSIONING DATA AND CERTIFICATES, O&M INFORMATION AND BUILDING LOG BOOK IN LINE WITH THE SPECIFICATION.

DRAWING STATUS: DRAFT - FOR COMMENT

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PROJECT: CONVERSION OF FIRST FLOOR FORMER OFFICES TO DAYCARE NURSERY, THE TOWN, THORNHILL

TITLE: MECHANICAL SERVICES
FIRST FLOOR NURSERY
PROPOSED HEATING LAYOUT

SCALE @ A1:	CHECKED:		APPROVED:
1:100	LR		DD
PROJECT No:	DESIGNED:	DRAWN:	DATE:
70091131	PM	PM	JAN 2022

DRAWING No:	REV:
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