THIS DRAWING IS THE PROPERTY OF DELAP & WALLER AND MAY ONLY BE USED WITH THEIR WRITTEN APPROVAL.

DO NOT SCALE FROM THIS DRAWING.

GENERAL NOTES.

THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS AND SPECIFICATIONS

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.

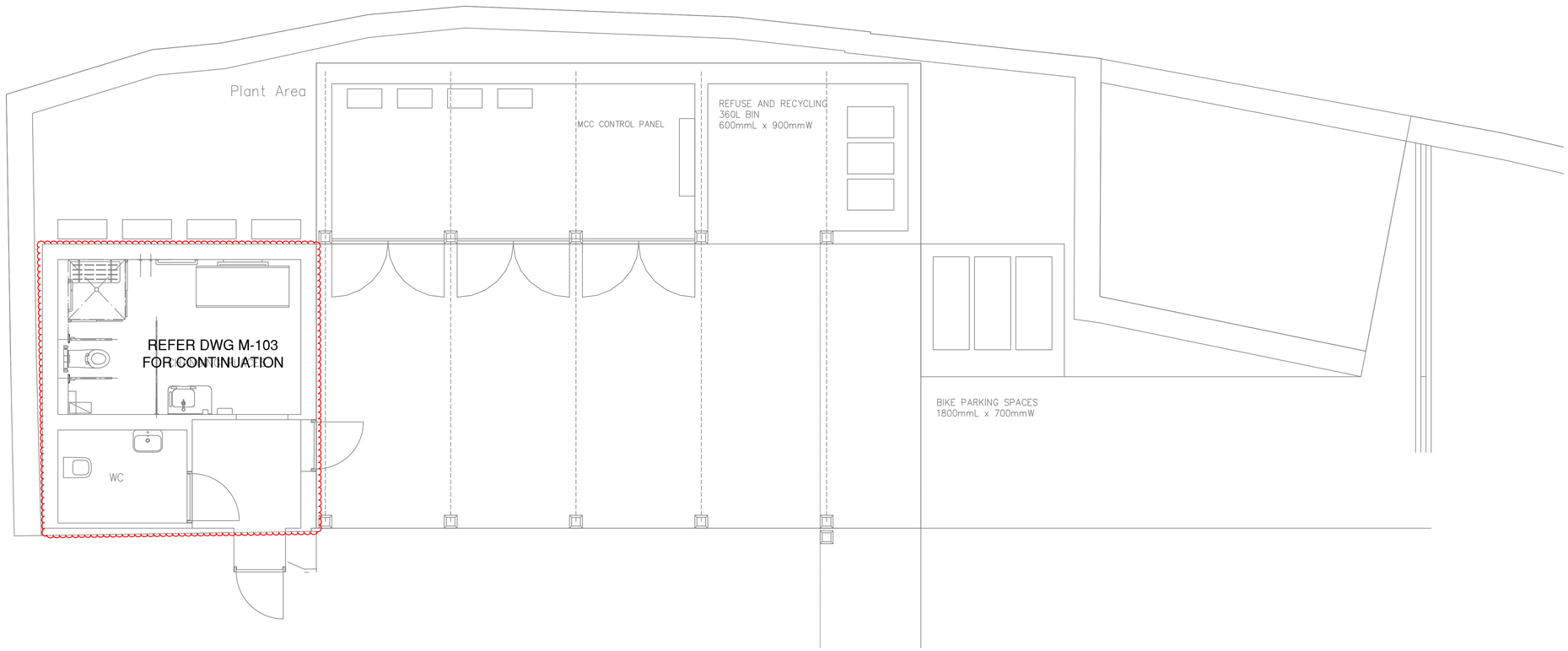
THIS DRAWING IS NOT AN INSTALLATION DRAWING.THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRODUCTION OF FABRICATION AND INSTALLATION DRAWINGS, SHALL BE FAMILIAR WITH OTHER WORKS PACKAGES WHICH DIRECTLY INTERFACE WITH HIS PACKAGE AND COORDINATE WITH THE FABRICATION AND INSTALLATION DRAWINGS ACCORDINGLY.

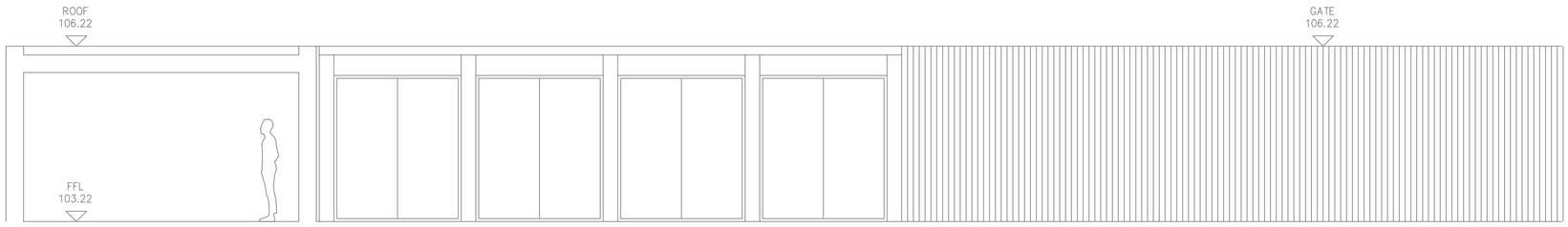
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, SUPPLY AND INSTALLATION OF SUPPORTS, BRACKETING SYSTEMS, AND SECONDARY STEELWORK SUPPORTS REQUIRED FOR THIS WORKS PACKAGE, UNLESS OTHERWISE STATED.

SHOULD ANY DISCREPANCIES BE APPARENT IN THIS DRAWING, THE ENGINEER SHALL BE MADE AWARE OF THIS FOR FURTHER ACTION.

LEGEND:

	.PIPEWORK IN CEILING SPACE
	.PIPEWORK AT HIGH LEVEL
	.PIPEWORK AT LOW LEVEL
	.PIPEWORK IN FLOOR SCREED
	.RADIATOR
F&R .	.FLOW AND RETURN
DTLL .	.DROP TO LOW LEVEL
TA .	. TO ABOVE
FA .	. FROM ABOVE
TB .	. TO BELOW
IV .	ISOLATING VALVE
.	.HEATING MANIFOLDS
TC	DIGITAL THERMOSTAT CONTROLLER
T .	.THERMOSTAT





NOTES:

1. ALL RADIATORS TO BE CHECKED ON SITE PRIOR TO ORDERING TO ENSURE THAT THEY CAN BE ACCOMMODATED WITHIN THE SPACE PROVIDED.
2. CONSULT ARCHITECT TO CONFIRM FINAL AGREED LOCATIONS OF RADIATORS.
3. FOR SCHEDULE OF RADIATORS SEE SPECIFICATION.
4. MANUAL AIR VENTS TO BE FITTED AT ALL HIGH POINTS OF EACH SYSTEM. FINAL LOCATION TO BE AGREED WITH ENGINEER. ALL TO BE ACCESSIBLE.
5. DRAIN OFF COCKS TO BE FITTED AT ALL LOW POINTS OF EACH SYSTEM. FINAL LOCATION TO BE AGREED WITH ENGINEER. ALL TO BE ACCESSIBLE.
6. ALL RADIATORS TO BE COMPLETE WITH THERMOSTATIC RADIATOR VALVES AS PER SPECIFICATION.
7. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL THE RELEVANT SECTIONS OF THE SPECIFICATION AND THE DETAIL SHEETS.
8. ALL PIPEWORK TO BE INSULATED AS PER SPECIFICATION.
9. ALL COORDINATION WITH ELECTRICAL SERVICES SHALL BE THE RESPONSIBILITY OF THE MECHANICAL CONTRACTOR.
10. REFER TO TYPICAL SCHEMATIC FOR FURTHER DETAILS
11. ALL PIPEWORK FEEDING RADIATORS SHALL HAVE A PROTECTIVE SLEEVE FINISH PRIOR TO FINAL CONNECTION TO RADIATOR, REFER TO DETAIL.
12. WHERE RADIATORS ARE POSITIONED ON STUD PARTITIONS (NON-MASONARY) SUITABLE PLYWOOD GROUNDS SHALL BE USED.
13. THE UNDERFLOOR HEATING SHALL BE INSTALLED IN THE AREAS INDICATED BY THE UNDERFLOOR HEATING SPECIALIST CONTRACTOR.
14. THE UNDERFLOOR HEATING CIRCUITS SHALL BE THERMOSTATICALLY CONTROLLED AS INDICATED.
15. THE UNDERFLOOR HEATING SPECIALIST CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORKS ASSOCIATED WITH THE UNDERFLOOR HEATING SYSTEM, E.G UNDERFLOOR HEATING PIPEWORK SPACING, CONTROLS, COMMISSIONING & TESTING ECT.
16. THE UNDEFLOOR HEATING PIPEWORK SHALL BE PRESSURE TESTED PRIOR TO AND DURING FLOOR SCREED POURING.
17. IF, AT ANY STAGE, A LENGTH OF PIPEWORK SHOULD BECOME DAMAGED, THEN THE ENTIRE LENGTH OF THE PIPEWORK SHALL BE REPLACED. THE UNDERFLOOR HEATING SYSTEM SHALL BE FULLY COMMISSIONED AND BALANCED BY THE UNDERFLOOR HEATING SPECIALIST CONTRACTOR.

REV	BY	DESCRIPTION	DATE
T02	SVB	ISSUED FOR TENDER	06.05.2026
T01	DP	ISSUED FOR TENDER	22.08.2025
T	JW	ISSUED FOR TENDER	05.06.2025

PROJECT:
22195
DAN BREEN HOUSE
TIPPERARY

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CLIENT:
TIPPERARY COUNTY COUNCIL
NORTH TIPPERARY CIVIC OFFICES, LIMERICK ROAD, KNOCKANPIERCE, NENAGH, CO. TIPPERARY

ARCHITECT:
ROBIN LEE ARCHITECTURE

SCALE AT A1: 1:100	**CHK:** JW	**APP:** JW
	DES: SVB	**DRW:** SVB

WORK PACKAGE:
M&E DESIGN

DRAWING TITLE:
HEATING SERVICES LAYOUT-
NORTHERN EDGE, LOWER GROUND

DRAWING NUMBER:
22195-LXX-DR-DLW-M-104

STATUS: TENDER	**REV:** T02