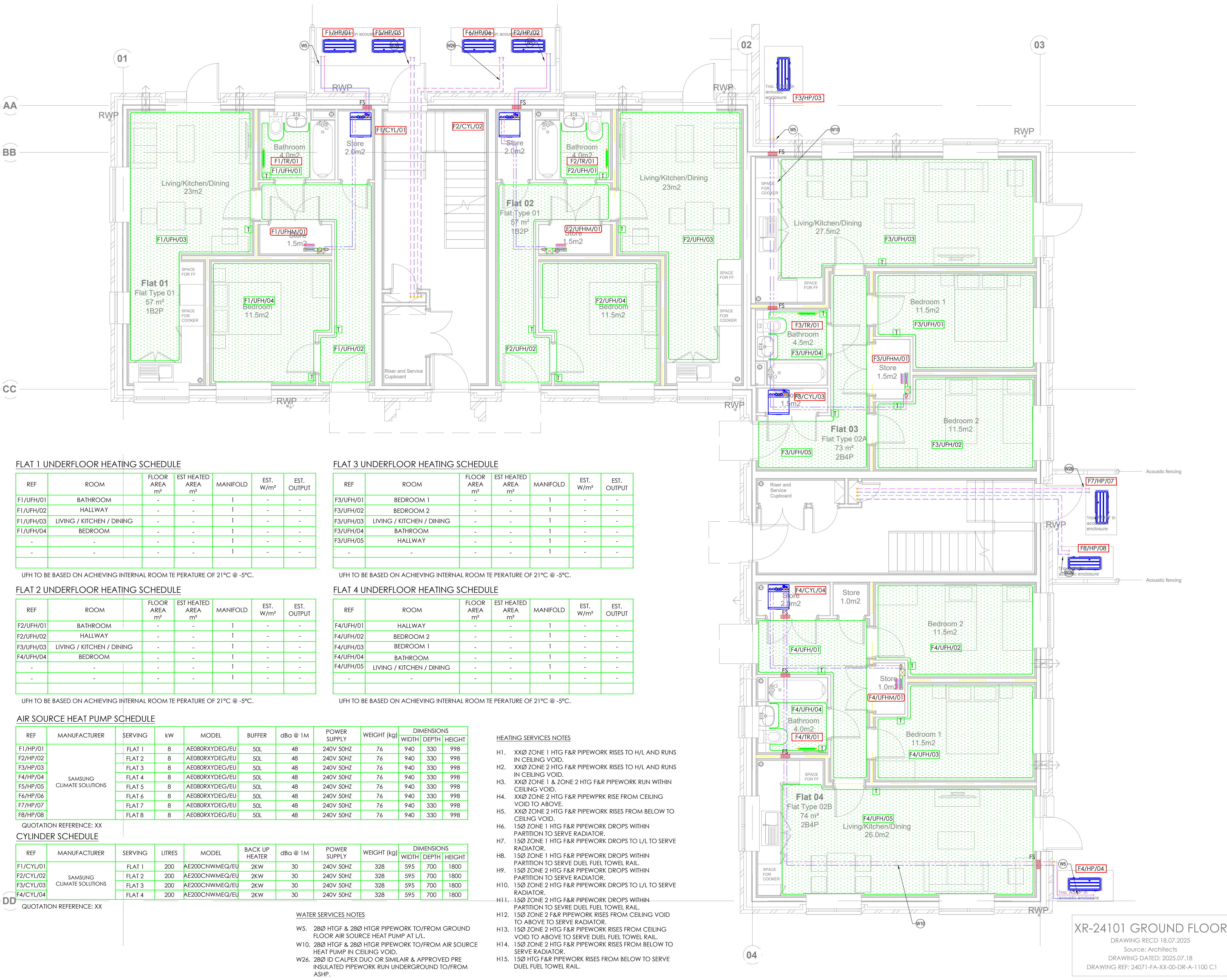




FLAT 1 UNDERFLOOR HEATING SCHEDULE

REF	ROOM	FLOOR AREA m²	EST HEATED AREA m²	MANIFOLD	EST. W/m²	EST. OUTPUT
F1/UFH/01	BATHROOM	-	-	1	-	-
F1/UFH/02	HALLWAY	-	-	1	-	-
F1/UFH/03	LIVING / KITCHEN / DINING	-	-	1	-	-
F1/UFH/04	BEDROOM	-	-	1	-	-
-	-	-	-	1	-	-
-	-	-	-	1	-	-

UFH TO BE BASED ON ACHIEVING INTERNAL ROOM TEMPERATURE OF 21°C @ -5°C.

FLAT 2 UNDERFLOOR HEATING SCHEDULE

REF	ROOM	FLOOR AREA m²	EST HEATED AREA m²	MANIFOLD	EST. W/m²	EST. OUTPUT
F2/UFH/01	BATHROOM	-	-	1	-	-
F2/UFH/02	HALLWAY	-	-	1	-	-
F3/UFH/03	LIVING / KITCHEN / DINING	-	-	1	-	-
F4/UFH/04	BEDROOM	-	-	1	-	-
-	-	-	-	1	-	-
-	-	-	-	1	-	-

UFH TO BE BASED ON ACHIEVING INTERNAL ROOM TEMPERATURE OF 21°C @ -5°C.

AIR SOURCE HEAT PUMP SCHEDULE

REF	MANUFACTURER	SERVING	KW	MODEL	BUFFER	dBa @ 1M	POWER SUPPLY	WEIGHT (kg)	DIMENSIONS WIDTH DEPTH HEIGHT
F1/HP/01	SAMSUNG CLIMATE SOLUTIONS	FLAT 1	8	AE080RXYDEG/EU	50L	48	240V 50HZ	76	940 330 998
F2/HP/02		FLAT 2	8	AE080RXYDEG/EU	50L	48	240V 50HZ	76	940 330 998
F3/HP/03		FLAT 3	8	AE080RXYDEG/EU	50L	48	240V 50HZ	76	940 330 998
F4/HP/04		FLAT 4	8	AE080RXYDEG/EU	50L	48	240V 50HZ	76	940 330 998
F5/HP/05		FLAT 5	8	AE080RXYDEG/EU	50L	48	240V 50HZ	76	940 330 998
F6/HP/06		FLAT 6	8	AE080RXYDEG/EU	50L	48	240V 50HZ	76	940 330 998
F7/HP/07		FLAT 7	8	AE080RXYDEG/EU	50L	48	240V 50HZ	76	940 330 998
F8/HP/08		FLAT 8	8	AE080RXYDEG/EU	50L	48	240V 50HZ	76	940 330 998

QUOTATION REFERENCE: XX
CYLINDER SCHEDULE

REF	MANUFACTURER	SERVING	LITRES	MODEL	BACK UP HEATER	dBa @ 1M	POWER SUPPLY	WEIGHT (kg)	DIMENSIONS WIDTH DEPTH HEIGHT
F1/CYL/01	SAMSUNG CLIMATE SOLUTIONS	FLAT 1	200	AE200CNWMEQ/EU	2KW	30	240V 50HZ	328	595 700 1800
F2/CYL/02		FLAT 2	200	AE200CNWMEQ/EU	2KW	30	240V 50HZ	328	595 700 1800
F3/CYL/03		FLAT 3	200	AE200CNWMEQ/EU	2KW	30	240V 50HZ	328	595 700 1800
F4/CYL/04		FLAT 4	200	AE200CNWMEQ/EU	2KW	30	240V 50HZ	328	595 700 1800

QUOTATION REFERENCE: XX

DD

WATER SERVICES NOTES

- W5. 280 HTG F & 280 HTGR PIPEWORK TO/FROM GROUND FLOOR AIR SOURCE HEAT PUMP AT L/L.
- W10. 280 HTG F & 280 HTGR PIPEWORK TO/FROM AIR SOURCE HEAT PUMP IN CEILING VOID.
- W26. 280 ID CALPEX DUO OR SIMILAR & APPROVED PRE INSULATED PIPEWORK RUN UNDERGROUND TO/FROM ASPH.

FLAT 3 UNDERFLOOR HEATING SCHEDULE

REF	ROOM	FLOOR AREA m²	EST HEATED AREA m²	MANIFOLD	EST. W/m²	EST. OUTPUT
F3/UFH/01	BEDROOM 1	-	-	1	-	-
F3/UFH/02	BEDROOM 2	-	-	1	-	-
F3/UFH/03	LIVING / KITCHEN / DINING	-	-	1	-	-
F3/UFH/04	BATHROOM	-	-	1	-	-
F3/UFH/05	HALLWAY	-	-	1	-	-
-	-	-	-	1	-	-

UFH TO BE BASED ON ACHIEVING INTERNAL ROOM TEMPERATURE OF 21°C @ -5°C.

FLAT 4 UNDERFLOOR HEATING SCHEDULE

REF	ROOM	FLOOR AREA m²	EST HEATED AREA m²	MANIFOLD	EST. W/m²	EST. OUTPUT
F4/UFH/01	HALLWAY	-	-	1	-	-
F4/UFH/02	BEDROOM 2	-	-	1	-	-
F4/UFH/03	BEDROOM 1	-	-	1	-	-
F4/UFH/04	BATHROOM	-	-	1	-	-
F4/UFH/05	LIVING / KITCHEN / DINING	-	-	1	-	-
-	-	-	-	1	-	-

UFH TO BE BASED ON ACHIEVING INTERNAL ROOM TEMPERATURE OF 21°C @ -5°C.

HEATING SERVICES NOTES

- H1. XXØ ZONE 1 HTG F&R PIPEWORK RISES TO H/L AND RUNS IN CEILING VOID.
- H2. XXØ ZONE 2 HTG F&R PIPEWORK RISES TO H/L AND RUNS IN CEILING VOID.
- H3. XXØ ZONE 1 & ZONE 2 HTG F&R PIPEWORK RUN WITHIN CEILING VOID.
- H4. XXØ ZONE 2 HTG F&R PIPEWORK RISE FROM CEILING VOID TO ABOVE.
- H5. XXØ ZONE 2 HTG F&R PIPEWORK RISES FROM BELOW TO CEILING VOID.
- H6. 15Ø ZONE 1 HTG F&R PIPEWORK DROPS WITHIN PARTITION TO SERVE RADIATOR.
- H7. 15Ø ZONE 1 HTG F&R PIPEWORK DROPS TO L/L TO SERVE RADIATOR.
- H8. 15Ø ZONE 1 HTG F&R PIPEWORK DROPS WITHIN PARTITION TO SERVE DUEL FUEL TOWEL RAIL.
- H9. 15Ø ZONE 2 HTG F&R PIPEWORK DROPS WITHIN PARTITION TO SERVE RADIATOR.
- H10. 15Ø ZONE 2 HTG F&R PIPEWORK DROPS TO L/L TO SERVE RADIATOR.
- H11. 15Ø ZONE 2 HTG F&R PIPEWORK DROPS WITHIN PARTITION TO SERVE DUEL FUEL TOWEL RAIL.
- H12. 15Ø ZONE 2 F&R PIPEWORK RISES FROM CEILING VOID TO ABOVE TO SERVE RADIATOR.
- H13. 15Ø ZONE 2 HTG F&R PIPEWORK RISES FROM CEILING VOID TO ABOVE TO SERVE DUEL FUEL TOWEL RAIL.
- H14. 15Ø ZONE 2 HTG F&R PIPEWORK RISES FROM BELOW TO SERVE RADIATOR.
- H15. 15Ø HTG F&R PIPEWORK RISES FROM BELOW TO SERVE DUEL FUEL TOWEL RAIL.

general notes

LOW CARBONCONSULTANTS
REGISTRATION NO: LCC004882

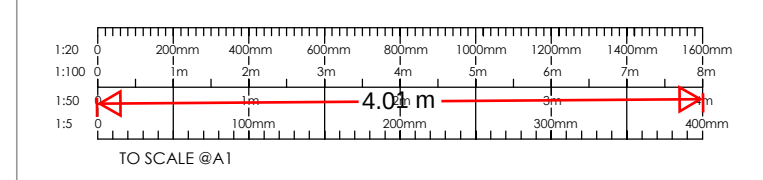
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This drawing is to be read in conjunction with all relevant specifications.

Do not scale from this drawing.

All dimensions are to be checked on site prior to work commencing or preparation of shop working drawings - any discrepancies should be notified immediately.

Unless otherwise stated all drawing revision / status conform to the RIBA plan of work 2020 as detailed in BSRIA BG 6.

REV No	REVISION DETAILS	AUTH
S5	CONSTRUCTION ISSUE.	DP



revision

Rev	By	Date	Ch'd
S5	JD	05.08.25	DP
S4	JD	09.05.25	DP
S2	D.B.	04.03.25	D.P.
N*	Revision	By	Date

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drawing status

STAGE 2	STAGE 3	STAGE 4	STAGE 5
CONCEPT DESIGN	DEVELOPED DESIGN	TECHNICAL DESIGN	CONSTRUCTION
		41	41
		41	41
		41	41
			✓

client



EEL project number

24101

project title

WORCESTER CLOSE

drawing

drawing title
**GROUND FLOOR
HEATING SERVICES LAYOUT**

scale (A1)	date	drawn	checked
1:50	DEC 2024	J.D.	D.P.

reference

drawing no.	revision
24101-EEL-ZZ-G-DR-M-0001	S5

XR-24101 GROUND FLOOR

DRAWING RECD 18.07.2025

Source: Architects

DRAWING DATED: 2025.07.18

DRAWING REF: 24071-FA-XX-00-DR-A-1100 C1

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