

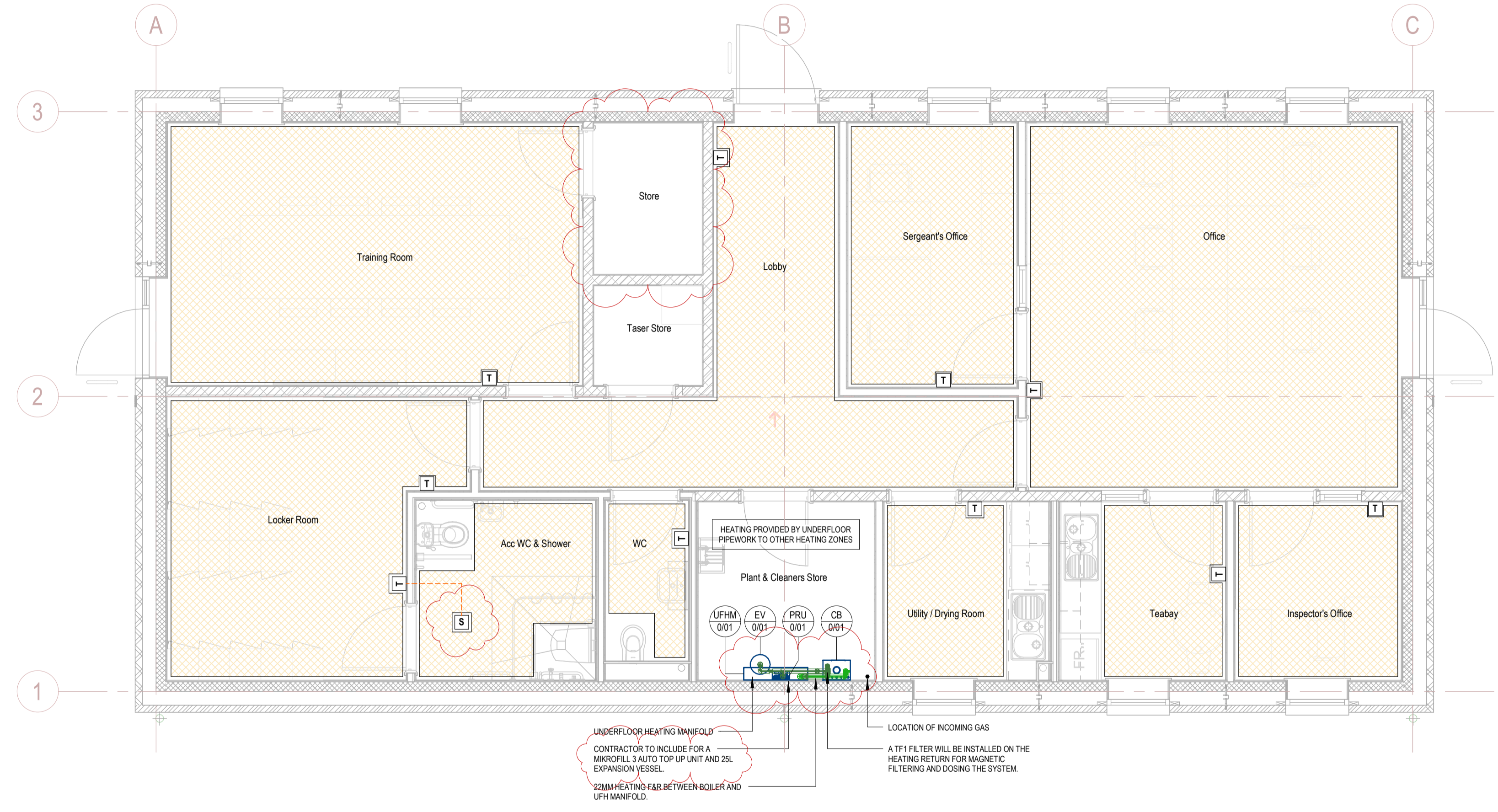
**LEGEND**

	UNDERFLOOR HEATING ZONE
	THERMOSTAT FOR UNDERFLOOR HEATING
	THERMOSTAT FLOOR SENSOR

- NOTES:**
- ALL DIMENSIONS IN MM.
  - DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, DRAWINGS AND SCHEDULES.
  - THIS DRAWING IS SUBJECT TO DESIGN DEVELOPMENT.
  - UNDERFLOOR HEATING SPECIALIST TO DEVELOP THIS CONCEPT DRAWING INTO A FULL DESIGN ONCE APPOINTED AT STAGE 5.
  - EACH UFH ZONE WILL BE PROVIDED WITH A ROOM THERMOSTAT CONNECTED BACK TO AN UNDERFLOOR HEATING WIRING CENTRE. THE UFH WIRING CENTRE WILL OPEN AND CLOSE ACTUATORS ON THE UFH PIPEWORK LOOPS DEPENDANT ON HEAT DEMAND.
  - THE UFH MANIFOLD WILL INCLUDE LOCAL MIXING AND A CIRCULATION PUMP
  - DETAILED UFH DESIGN TO AVOID RUNNING UNDER WORKTOPS AND SANITARYWARE ITEMS THAT FIX INTO THE FLOOR.

**ABBREVIATIONS:**

EV	-	EXPANSION VESSEL
CB	-	COMBI BOILER
PRU	-	PRESSURIZATION UNIT
UFHM	-	UNDERFLOOR HEATING MANIFOLD



HEATING PROVIDED BY UNDERFLOOR PIPEWORK TO OTHER HEATING ZONES

UNDERFLOOR HEATING MANIFOLD  
 CONTRACTOR TO INCLUDE FOR A MIKROFILL 3 AUTO TOP UP UNIT AND 25L EXPANSION VESSEL.  
 22MM HEATING FAB BETWEEN BOILER AND UFH MANIFOLD.

LOCATION OF INCOMING GAS  
 A T1 FILTER WILL BE INSTALLED ON THE HEATING RETURN FOR MAGNETIC FILTERING AND DOSING THE SYSTEM.

1 OB\_00\_Heating  
 1 : 50

REV	DATE	DESCRIPTION	DRN	CHKD
P03	24/08/23	RESUBMISSION FOR STAGE 4A APPROVAL. AMENDMENTS CLOUDED.	PM	PW
P02	06/01/23	AMENDMENTS CLOUDED. ISSUED FOR STAGE 4A APPROVAL.	PM	PW
P01	30/09/22	ISSUED FOR REVIEW & COMMENT	PM	PWR W

DRAWING TITLE:  
**HEATING SYSTEMS  
 OFFICE BUILDING - GROUND FLOOR  
 LAYOUT  
 SHEET 1 OF 1**

DRAWING NUMBER:  
**HQDTC-GWC-OB-00-DR-M-21001**

REV:	STAGE:	STATUS:
P03	STAGE 4A	S4

STATUS DESCRIPTION:  
**ISSUED FOR STAGE APPROVAL**

DATE:	SCALE (@A1):	DRAWN BY:	CHECKED BY:
24/08/23	1 : 50	PM	PW

CLIENT PROJECT NUMBER:	GWC PROJECT NUMBER:
HQDTC	22040

PROJECT NAME:  
**HQ REDEVELOPMENT DOG TRAINING CENTRE**

PROJECT ADDRESS:  
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