

DRAWING NUMBER		REVISION
MEU-UK/FTC7/WMXXX/HPP/2ZM		0
Configuration Settings (from default)		
DIP SWITCH	SETTING	FUNCTION
SW1-1 (FTC7)	ON	WITH BOILER
SW1-3 (FTC7)	OFF	WITHOUT DHW TANK
SW1-4 (FTC7)	OFF	WITHOUT IMMERSION HEATER
SW2-1 (FTC7)	ON	ZONE 1 OPERATION STOP AT THERMOSTAT OPEN
SW2-6 (FTC7)	ON	WITH MIXING TANK
SW2-7 (FTC7)	ON	2-ZONE TEMPERATURE CONTROL
SW2-8 (FTC7)	ON	WITH FLOW SENSOR
SW3-1 (FTC7)	ON	ZONE 2 OPERATION STOP AT THERMOSTAT OPEN
SW8-3 (OUTDOOR)	ON	INDEPENDENT POWER SUPPLIES

TABLE 1

EQUIPMENT	RECOMMENDED PRIMARY PIPE WORK (mm)	FLOW RATE RANGE (L/MIN)	MIN SPACE HEATING CIRCUIT VOL. (L)	STARTING CURRENT (A)	MAX CURRENT (A)	MCB (A)	MIN. CABLE (mm ²)
PUZ-WM50VAA	22	6.5 - 14.3	7	2	13.0	16	1.5
PUZ-WM60VAA	22	8.6 - 17.2	9	2	13.0	16	2.5
PUZ-WM85VAA	28	10.8 - 24.4	12	2	22.0	25	2.5
PUZ-WM85YAA	28	10.8 - 24.4	12	2	11.5	16	1.5
PUZ-WM112VAA	35	14.4 - 32.1	16	2	28.0	32	4.0
PUZ-WM112YAA	35	14.4 - 32.1	16	2	13.0	16	1.5
PUZ-HWM140VAA	35	17.9 - 40.1	20	2	35.0	40	6.0
PUZ-HWM140YAA	35	17.9 - 40.1	20	2	13.0	16	1.5
FTC7 BOARD					10.0	16	1.5
IMMERSION H.					13.0	16	2.5 H05VV-F Sheathed

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All dimensions are in mm unless otherwise stated

For information only, DO NOT SCALE drawing

All works shall be carried out in accordance with the Specification

Contractor must verify all dimensions on site before commencing any work or shop drawings

LEGEND

	AAV/AV AUTOMATIC AIR VENT (After removing the air, automatic air vent(s) must be closed)
	IV ISOLATING VALVE
	DOC DRAIN OFF COCK
	NRV NON RETURN VALVE
	DRV DOUBLE REGULATING VALVE
	PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE
	STR STRAINER
	BV BYPASS VALVE
	FC FLEXIBLE CONNECTION
	INLET CONTROL GROUP
	PG PRESSURE GAUGE
	P PUMP
	TEMPERATURE SENSOR
	TF1 FILTER/STRAINER
	FS FLOW SENSOR
	SCALE TRAP
	DRAIN PIPE

REV	DESCRIPTION	DESN	CHKD	DATE
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CLIENT

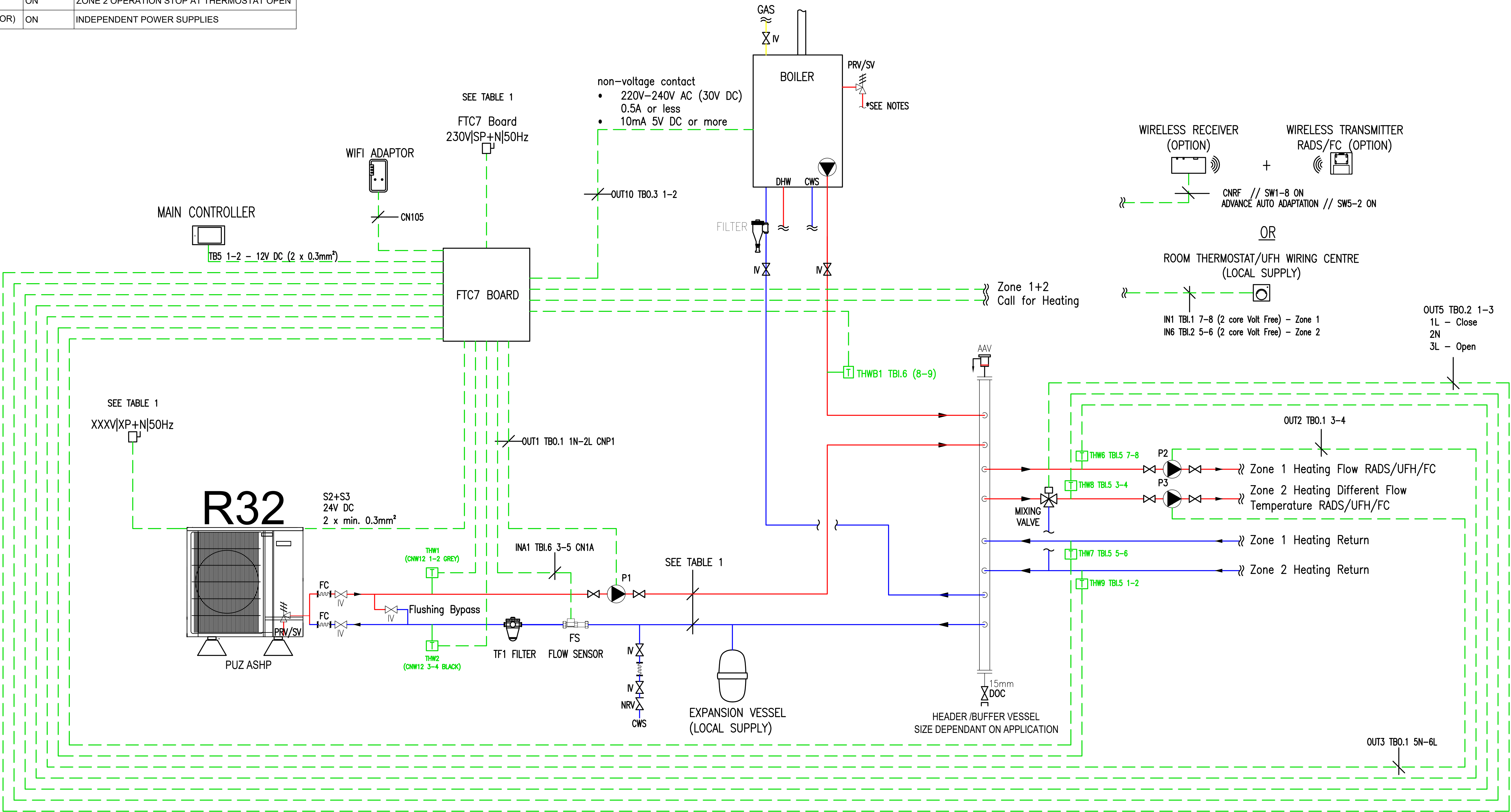
PROJECT
FTC7 Standalone Hybrid
2Z Heating Mixed

TITLE
MECHANICAL SERVICES
MITSUBISHI ECODAN FTC7
STANDALONE HYBRID SYSTEM/COMBI BOILER
2 HEATING ZONES
DIFFERENT FLOW TEMPERATURES

SCALE	NTS	ORIGINAL SIZE	A0	DATE	OCT. 2024
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DRAWN	Z.F.	DESIGNED	Z.F.	INIT	CHECKED	A. S.	INIT
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NOTES

- After removing the air, automatic air vent(s) must be closed.
- If the outdoor unit is higher than the indoor unit, or if there is a location where air gets trapped in the upper part of the water pipe, consider adding an air vent(s).
- The Ecodan outdoor unit must be installed on anti-vibration mounts. Rubber mounting blocks are recommended.
- Adequate provision should be made to prevent condensate from collecting around the outdoor units. A soak away, drip tray or drain socket set can be used.
- Flexible connections shall be used to connect the Ecodan unit to the primary pipe work.
- It is the responsibility of the installing contractor to provide adequate protection against freezing of pipe work. MEUK recommend 25% glycol dosage of the primary circuit. If the water circuit freezes and damages the equipment the warranty will become void.
- All water systems should be designed, installed and commissioned in accordance with industry good practice guidelines; such as, but not limited to: BSRIA Guide BG2/2010 - Water System Commissioning, BSRIA Guide BG29/2011 - Pre-Commissioning of Pipework Systems, BSRIA Guide BG50/2013 - Water Treatment for Closed Heating & Cooling Systems, CIBSE Commissioning Code W - Water distribution systems.
- Isolation valves and flushing bypass circuit are recommended for the outdoor unit. This is best practice and not required for warranty purposes.
- The contractor should make the necessary arrangements to ensure the design of the system meets the requirement of the application and comply with all current building regulations.
- All electrical work must be carried out in accordance with the current version of BS7671.
- A back flow prevention device may include check valves, a water meter or an additional PRV.
- If a device that prevents backflow is installed on the cold water supply to the PRV then a means of accommodating expansion due to local warming of the pipe is recommended to be fitted between the device and PRV.
- Refer to 'Installation Manual' and 'Instruction Book' for further 'Technical Information'.