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

AUTOMATIC AIR VENT (After removing the air, automatic air vent(s) must be closed)

ISOLATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FC | FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

PG PRESSURE GAUGE

PUMP

TEMPERATURE SENSOR

TF1 FILTER/STRAINER

FS FLOW SENSOR

SCALE TRAP

BFPD BACK FLOW PREVENTION DEVICE (if fitted)

DESN CHKD DATE



FTC6 Hybrid Pre-Plumbed 1 x Heating

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 PRE-PLUMBED HYBRID WITH SYSTEM BOILER

AUGUST 2020 INIT CHECKED DRAWN DESIGNED A. SHAH R. TAYLOR A. SHAH DRAWING NUMBER MEU-UK/FTC6/WMXXX/HPP/1Z

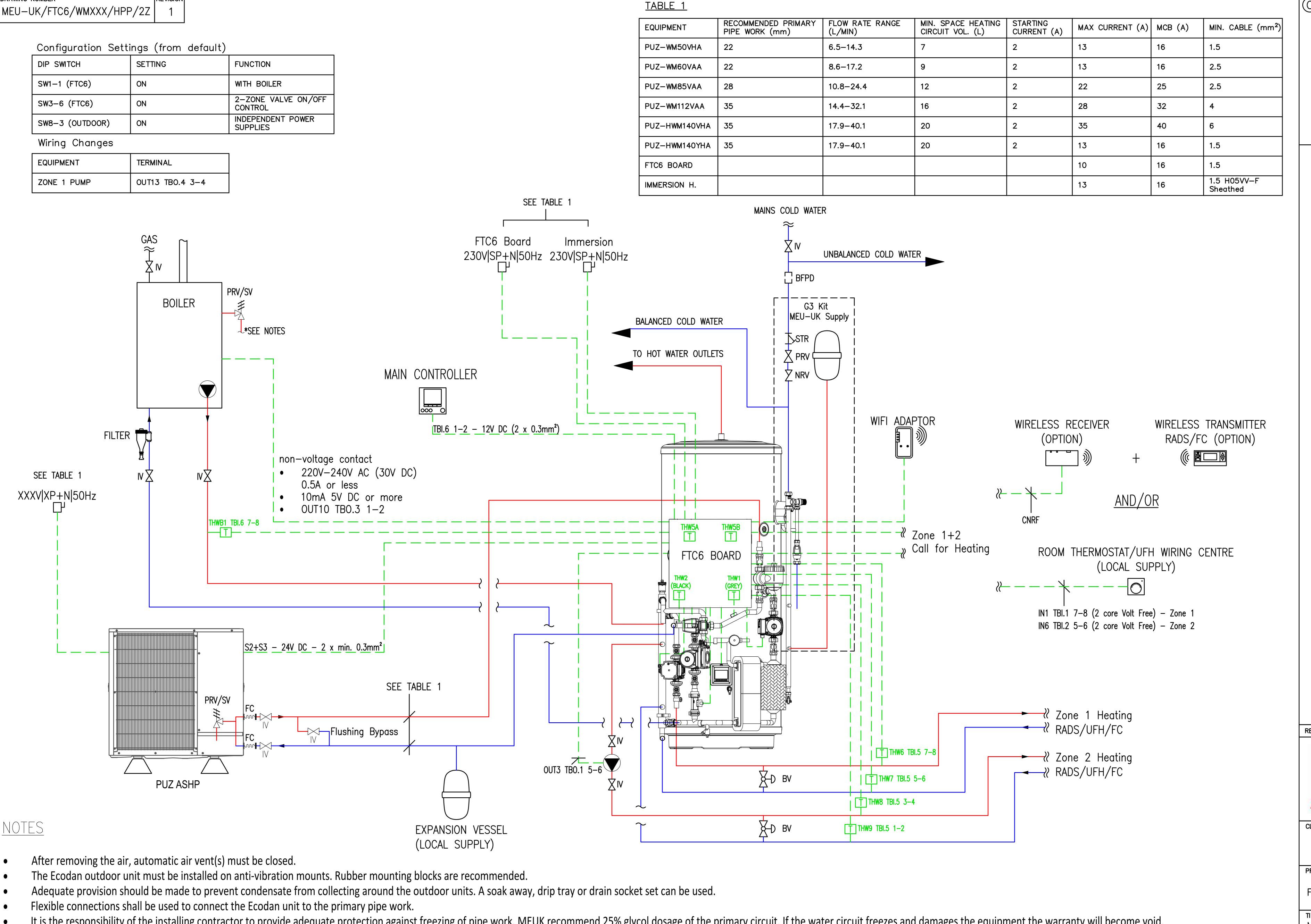
If a device that prevents backflow is installed on the cold water supply to the PRV then a means of accommodating expansion due to local warming of the pipe is recommended to be fitted between the device and PRV. Boiler PRV/SV to be discharged to outside to discharge any abnormally leaked refrigerant outside of the building.

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.

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.

DRAWING NUMBER



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- 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 commissioning of Pipework Systems, 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.
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- Boiler PRV/SV to be discharged to outside to discharge any abnormally leaked refrigerant outside of the building.

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Specification Contractor must verify all dimensions on site before

LEGEND

AUTOMATIC AIR VENT (After removing the air, automatic air vent(s) must be closed)

ISOLATING VALVE

commencing any work or shop drawings

DOC DRAIN OFF COCK

NRV NON RETURN VALVE

DRV DOUBLE REGULATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FC FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

PG PRESSURE GAUGE

PUMP

TEMPERATURE SENSOR

TF1 FILTER/STRAINER

FS FLOW SENSOR

SCALE TRAP

BFPD BACK FLOW PREVENTION DEVICE (if fitted)

REV DESCRIPTION

DESN CHKD DATE

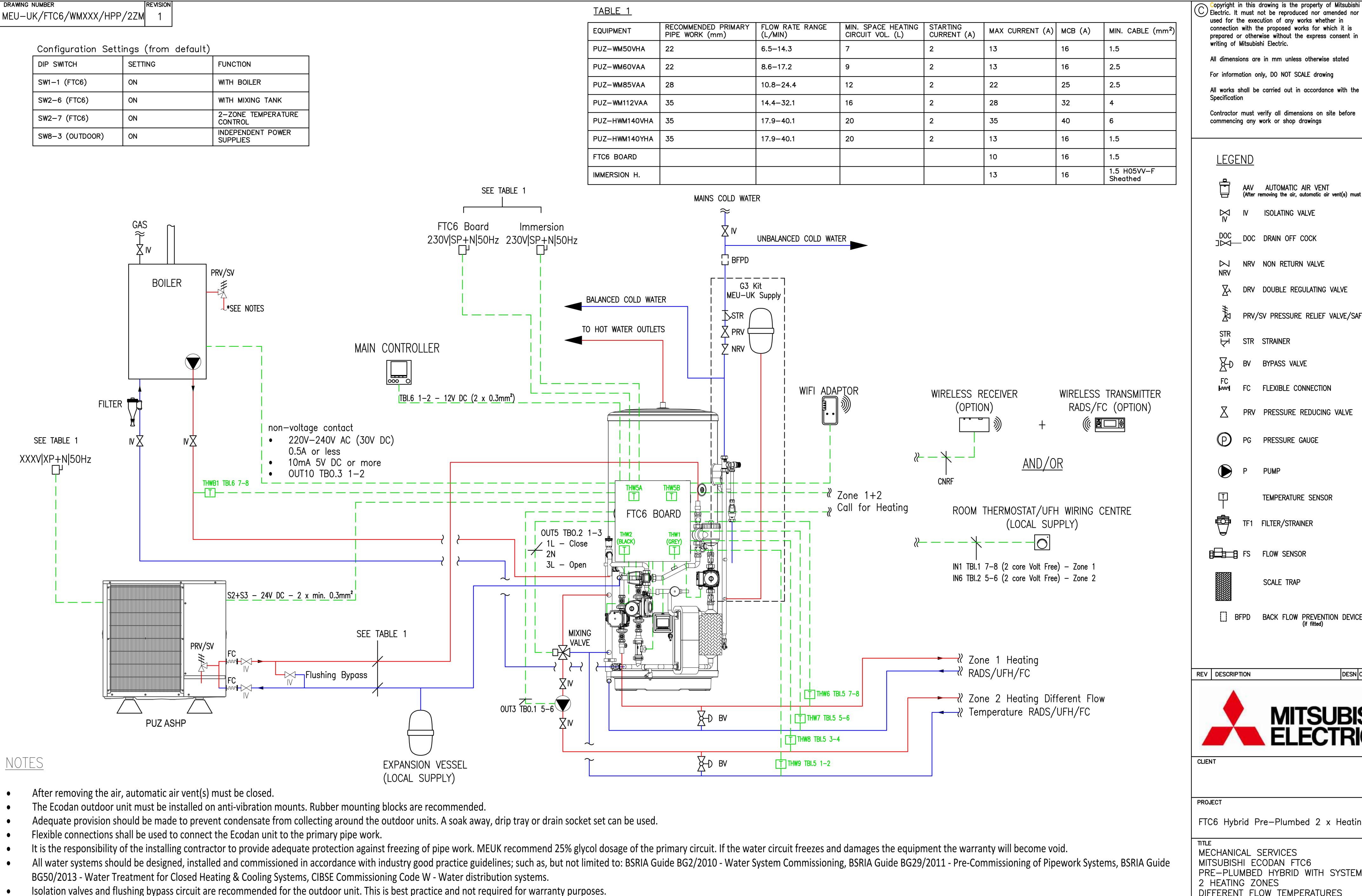


PROJECT

FTC6 Hybrid Pre-Plumbed 2 x Heating

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 PRE-PLUMBED HYBRID WITH SYSTEM BOILER 2 HEATING ZONES

AUGUST 2020 INIT CHECKED DRAWN DESIGNED A. SHAH R. TAYLOR A. SHAH DRAWING NUMBER MEU-UK/FTC6/WMXXX/HPP/2Z



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PRV PRESSURE REDUCING VALVE

PG PRESSURE GAUGE

PUMP

TEMPERATURE SENSOR

SCALE TRAP

BACK FLOW PREVENTION DEVICE (if fitted)

DESN CHKD DATE



FTC6 Hybrid Pre-Plumbed 2 x Heating Mixed

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 PRE-PLUMBED HYBRID WITH SYSTEM BOILER 2 HEATING ZONES DIFFERENT FLOW TEMPERATURES

ORIGINAL SIZE AUGUST 2020 INIT CHECKED DRAWN DESIGNED R. TAYLOR A. SHAH A. SHAH DRAWING NUMBER

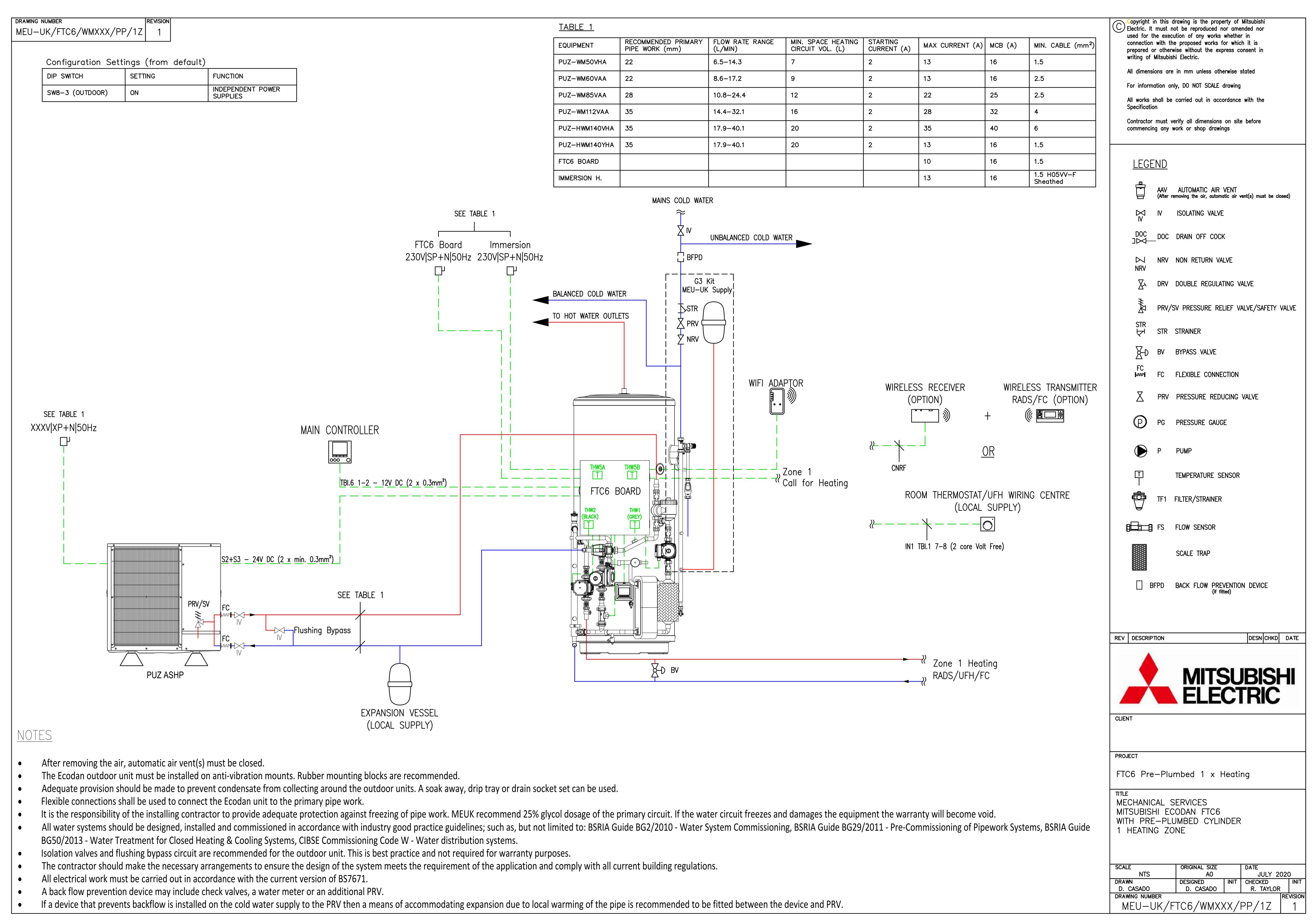
MEU-UK/FTC6/WMXXX/HPP/2ZM

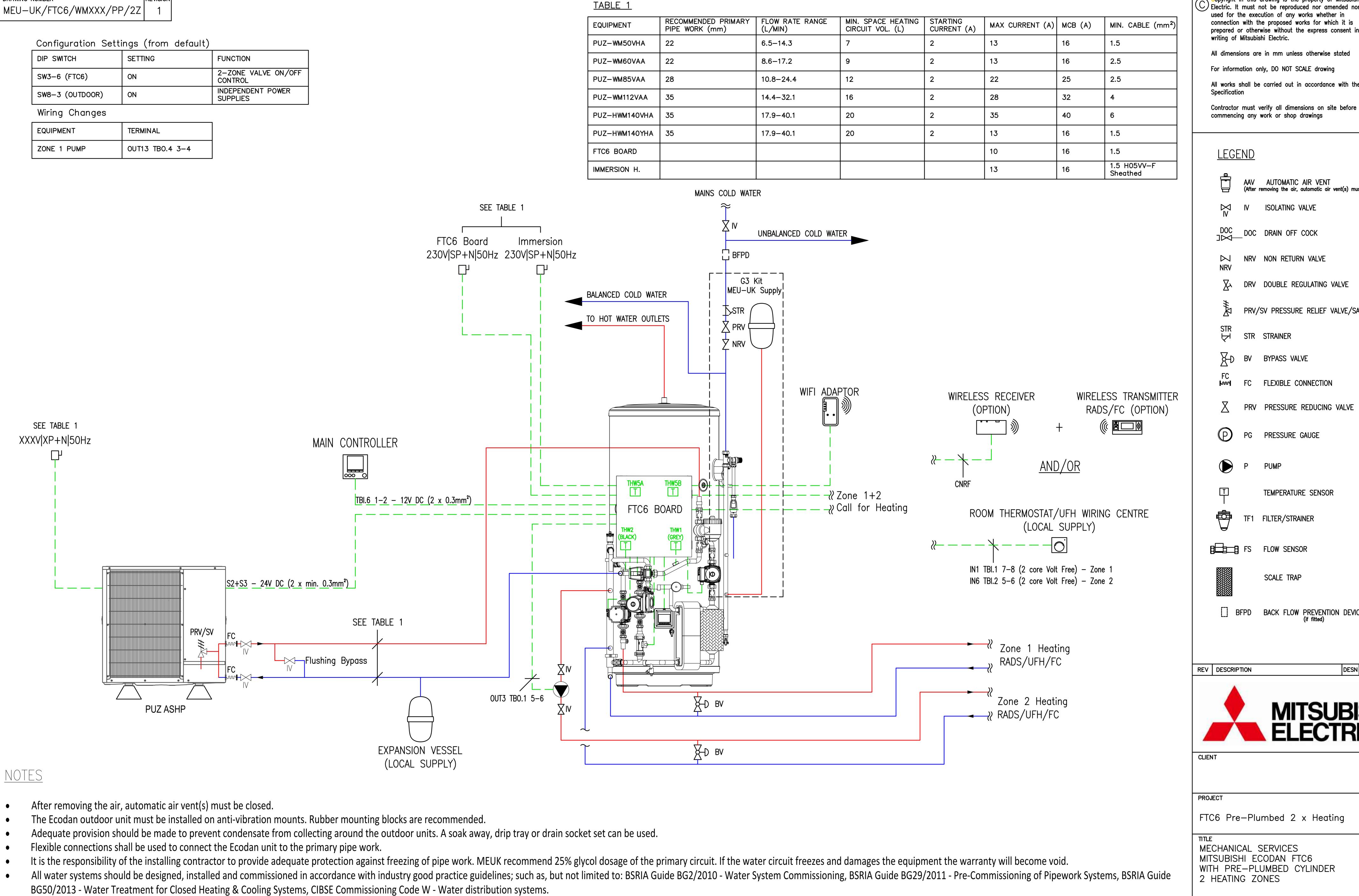
If a device that prevents backflow is installed on the cold water supply to the PRV then a means of accommodating expansion due to local warming of the pipe is recommended to be fitted between the device and PRV. Boiler PRV/SV to be discharged to outside to discharge any abnormally leaked refrigerant outside of the building.

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.

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.





Isolation valves and flushing bypass circuit are recommended for the outdoor unit. This is best practice and not required for warranty purposes.

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.

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.

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DOC DRAIN OFF COCK

NRV NON RETURN VALVE

DRV DOUBLE REGULATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FC FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

PG PRESSURE GAUGE

PUMP

TEMPERATURE SENSOR

TF1 FILTER/STRAINER

SCALE TRAP

BACK FLOW PREVENTION DEVICE (if fitted)

DESN CHKD DATE



FTC6 Pre-Plumbed 2 x Heating

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 WITH PRE-PLUMBED CYLINDER 2 HEATING ZONES

SCALE	ORIGINAL SIZE		DATE		
NTS	NTS A0		JULY 2020)
DRAWN	DESIGNED	INIT	CHECKED		INIT
D. CASADO	D. CASADO		R. TAYLOF	₹	
DRAWING NUMBER					
MEU-UK/FTC6/WMXXX/PP/2Z					1

DRAWING NUMBER
MEU-UK/FTC6/WMXXX/PP/2ZM 1

Configuration Settings (from default)

WITH MIXING TANK

2-ZONE TEMPERATURE

INDEPENDENT POWER

FUNCTION

CONTROL

SUPPLIES

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 (mm²)
PUZ-WM50VHA	22	6.5-14.3	7	2	13	16	1.5
PUZ-WM60VAA	22	8.6-17.2	9	2	13	16	2.5
PUZ-WM85VAA	28	10.8-24.4	12	2	22	25	2.5
PUZ-WM112VAA	35	14.4-32.1	16	2	28	32	4
PUZ-HWM140VHA	35	17.9-40.1	20	2	35	40	6
PUZ-HWM140YHA	35	17.9-40.1	20	2	13	16	1.5

MAINS COLD WATER SEE TABLE 1 UNBALANCED COLD WATER _ FTC6 Board **Immersion** 230V|SP+N|50Hz 230V|SP+N|50Hz ☐ BFPD G3 Kit MEU-UK Supply! BALANCED COLD WATER TO HOT WATER OUTLETS X PRV (タ NRV ' WIFI ADAPŢOR WIRELESS RECEIVER WIRELESS TRANSMITTER (OPTION) RADS/FC (OPTION) SEE TABLE 1 XXXV|XP+N|50HzMAIN CONTROLLER AND/OR → Zone 1+2 TBI.6 1-2 - 12V DC $(2 \times 0.3 \text{mm}^2)$ → Call for Heating FTC6 BOARD ROOM THERMOSTAT/UFH WIRING CENTRE (LOCAL SUPPLY) OUT5 TBO.2 1−3 🗒 🗔 ✓ 1L – Close IN1 TBI.1 7-8 (2 core Volt Free) - Zone 1 3L - Open IN6 TBI.2 5-6 (2 core Volt Free) - Zone 2 S2+S3 - 24V DC (2 x min. 0.3mm²) SEE TABLE 1 PRV/SV ──~ Zone 1 Heating Flushing Bypass RADS/UFH/FC | THW6 TBI.5 7-8 Zone 2 Heating Different Flow OUT3 TB0.1 5-6 D BV | THW7 TBI.5 5-6 Temperature RADS/UFH/FC PUZ ASHP THW8 TBI.5 3-4 D BV EXPANSION VESSEL THW9 TBI.5 1-2 (LOCAL SUPPLY)

TABLE 1

FTC6 BOARD

IMMERSION H.

NOTES

DIP SWITCH

SW2-6 (FTC6)

SW2-7 (FTC6)

SW8-3 (OUTDOOR)

ON

- After removing the air, automatic air vent(s) must be closed.
- 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 the primary circuit. If the water circuit freezes and damages the equipment the warranty will become void.
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LEGEND

16

1.5 H05VV-F

Sheathed

AAV 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

ス DRV DOUBLE REGULATING VALVE

1 PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FC FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

P PG PRESSURE GAUGE

P PUMP

TEMPERATURE SENSOR

TF1 FILTER/STRAINER

FS FLOW SENSOR

SCALE TRAP

BFPD BACK FLOW PREVENTION DEVICE (if fitted)

REV DESCRIPTION

DESN CHKD DATE



CLIEN

PROJECT

FTC6 Pre-Plumbed 2 x Heating Mixed

TITLE

MECHANICAL SERVICES
MITSUBISHI ECODAN FTC6
WITH PRE-PLUMBED CYLINDER
2 HEATING ZONES
DIFFERENT FLOW TEMPERATURES

	SCALE	ORIGINAL SIZE		DATE		
	NTS	AO	JULY 2020			
	DRAWN	DESIGNED	INIT	CHECKED	INIT	
	D. CASADO	D. CASADO		R. TAYLOR		
	MEU-UK/FTC6/WMXXX/PP/2ZM					

DRAWING NUMBER MEU-UK/FTC6/WMXXX/S/1Z

DIP SWITCH

SW1-3 (FTC6)

SW1-4 (FTC6)

SW2-1 (FTC6)

SW2-8 (FTC6)

SW8-3 (OUTDOOR)

Configuration Settings (from default)

SETTING

OFF

ON

ON

FUNCTION

HEATER

SUPPLIES

WITHOUT DHW TANK

WITHOUT IMMERSION

ZONE1 OPERATION STOP

AT THERMOSTAT OPEN

WITH FLOW SENSOR

INDEPENDENT POWER

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 (mm²)
PUZ-WM50VHA	22	6.5-14.3	7	2	13	16	1.5
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PUZ-HWM140YHA	35	17.9-40.1	20	2	13	16	1.5
FTC6 BOARD					10	16	1.5
IMMERSION H.							

SEE TABLE 1 FTC6 Board 230V|SP+N|50Hz WIFI ADAPTOR WIRELESS RECEIVER WIRELESS TRANSMITTER RADS/FC (OPTION) CN105 MAIN CONTROLLER 000 0 → Zone 1 Call for Heating TBI.6 1-2 - 12V DC $(2 \times 0.3 \text{mm}^2)$ FTC6 BOARD ROOM THERMOSTAT/UFH WIRING CENTRE (LOCAL SUPPLY) SEE TABLE 1 XXXV|XP+N|50HzIN1 TBI.1 7-8 (2 core Volt Free) - Zone 1 OUT1 TB0.1 1-2 CNP1 S2+S3 $(2 \times min. 0.3mm^2)$ INA1 TBI.4 1-3 CN1A SEE TABLE 1 PRV/SV \longrightarrow Zone 1 Heating D BV Flushing Bypass RADS/UFH/FC FS FLOW SENSOR TF1 FILTER (CNW12 3-4 BLACK) PUZ ASHP NRV EXPANSION VESSEL

NOTES

- After removing the air, automatic air vent(s) must be closed.
- 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.
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(LOCAL SUPPLY)

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LEGEND

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ISOLATING VALVE

DOC DRAIN OFF COCK

NRV NON RETURN VALVE

DRV DOUBLE REGULATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FC FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

PG PRESSURE GAUGE

PUMP

TEMPERATURE SENSOR

FILTER/STRAINER

FS FLOW SENSOR

SCALE TRAP

BACK FLOW PREVENTION DEVICE (if fitted)

REV DESCRIPTION

DESN CHKD DATE



CLIENT

PROJECT

FTC6 Standalone 1 x Heating

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 STANDALONE

1 HEATING ZONE

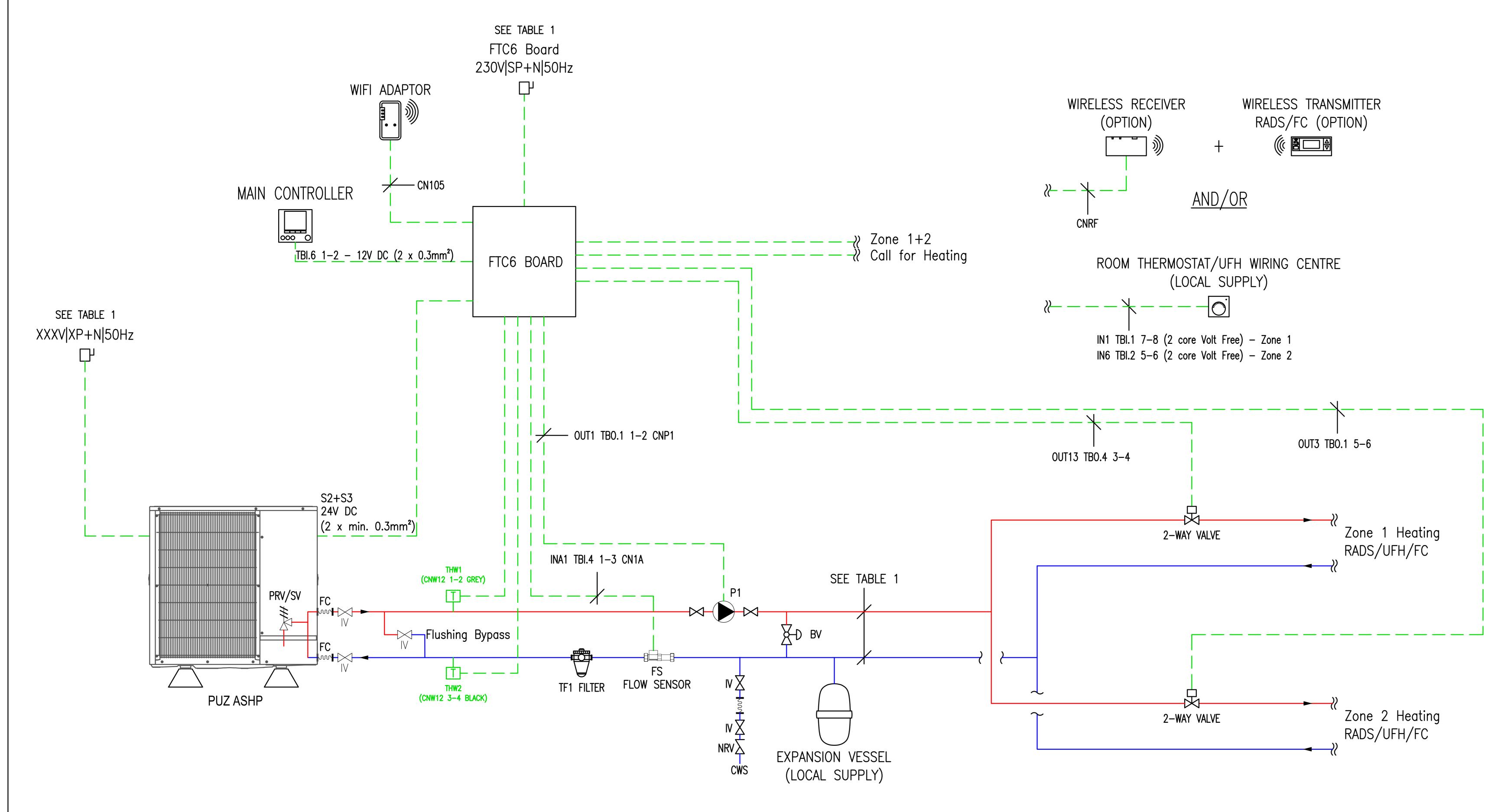
JULY 2020 DESIGNED INIT CHECKED DRAWN D. CASADO R. TAYLOR D. CASADO DRAWING NUMBER MEU-UK/FTC6/WMXXX/S/1Z

DRAWING NUMBER	REVISION	
MEU-UK/FTC6/WMXXX/S/2Z	1	

Configuration	Settinas	(from	default)	

Configuration Setti	Configuration Settings (from default)					
DIP SWITCH	SETTING	FUNCTION				
SW1-3 (FTC6)	OFF	WITHOUT DHW TANK				
SW1-4 (FTC6)	OFF	WITHOUT IMMERSION HEATER				
SW2-1 (FTC6)	ON	ZONE1 OPERATION STOP AT THERMOSTAT OPEN				
SW2-8 (FTC6)	ON	WITH FLOW SENSOR				
SW3-1 (FTC6)	ON	ZONE2 OPERATION STOP AT THERMOSTAT OPEN				
SW3-6 (FTC6)	ON	2-ZONE VALVE ON/OFF CONTROL				
SW8-3 (OUTDOOR)	ON	INDEPENDENT POWER SUPPLIES				

TABLE 1							
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FTC6 BOARD					10	16	1.5
IMMERSION H.							



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STR STRAINER

D BV BYPASS VALVE

FC FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

PG PRESSURE GAUGE

P PUMP

TEMPERATURE SENSOR

TF1 FILTER/STRAINER

FS FLOW SENSOR



SCALE TRAP

BFPD BACK FLOW PREVENTION DEVICE (if fitted)

REV DESCRIPTION

DESN CHKD DATE



CLIENT

PROJECT

FTC6 Standalone 2 x Heating

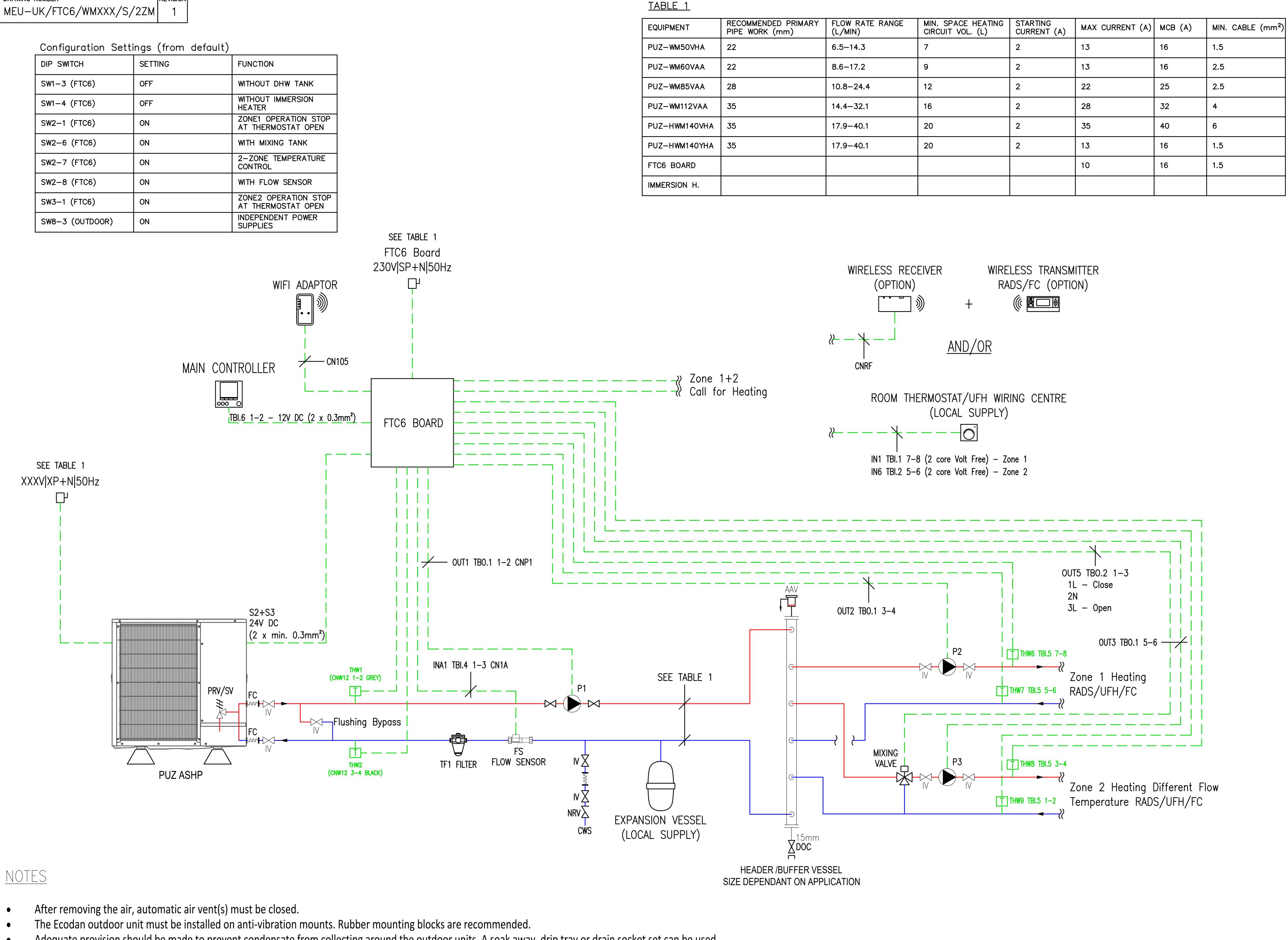
TITLE

MECHANICAL SERVICES
MITSUBISHI ECODAN FTC6
STANDALONE
2 HEATING ZONES

SCALE ORIGINAL SIZE A0 JULY 2020

DRAWN DESIGNED INIT CHECKED INIT D. CASADO D. CASADO R. TAYLOR

DRAWING NUMBER REVISION MEU-UK/FTC6/WMXXX/S/2Z 1



DRAWING NUMBER

- 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.
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FC FLEXIBLE CONNECTION

X PRV PRESSURE REDUCING VALVE

TEMPERATURE SENSOR

PG PRESSURE GAUGE

PUMP

FS FLOW SENSOR



SCALE TRAP

TF1 FILTER/STRAINER

BACK FLOW PREVENTION DEVICE (if fitted)

REV DESCRIPTION

DESN CHKD DATE



CLIENT

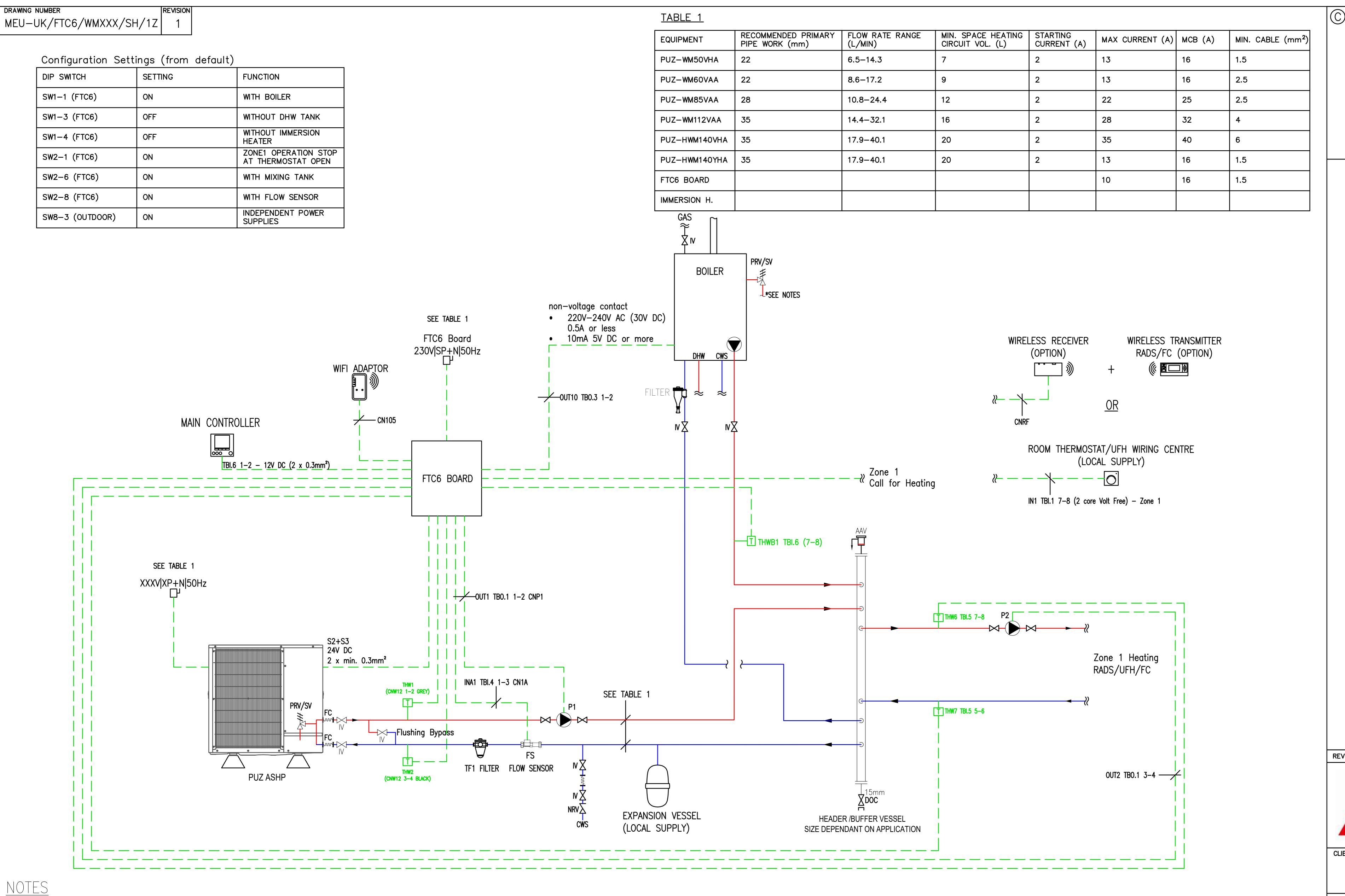
PROJECT

FTC6 Standalone 2 x Heating Mixed

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 STANDALONE 2 HEATING ZONES DIFFERENT FLOW TEMPERATURES

ORIGINAL SIZE

JULY 2020 INIT CHECKED DRAWN DESIGNED D. CASADO R. TAYLOR D. CASADO DRAWING NUMBER MEU-UK/FTC6/WMXXX/S/2ZM



NOTES

- After removing the air, automatic air vent(s) must be closed.
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- All electrical work must be carried out in accordance with the current version of BS7671.
- Boiler PRV/SV to be discharged to outside to discharge any abnormally leaked refrigerant outside of the building.

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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 AUTOMATIC AIR VENT (After removing the air, automatic air vent(s) must be closed)

ISOLATING VALVE

NRV NON RETURN VALVE

DOC DRAIN OFF COCK

DRV DOUBLE REGULATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FC FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

PRESSURE GAUGE PG

PUMP

TEMPERATURE SENSOR

FILTER/STRAINER

FS FLOW SENSOR



SCALE TRAP

BACK FLOW PREVENTION DEVICE (if fitted)

REV DESCRIPTION

DESN CHKD DATE

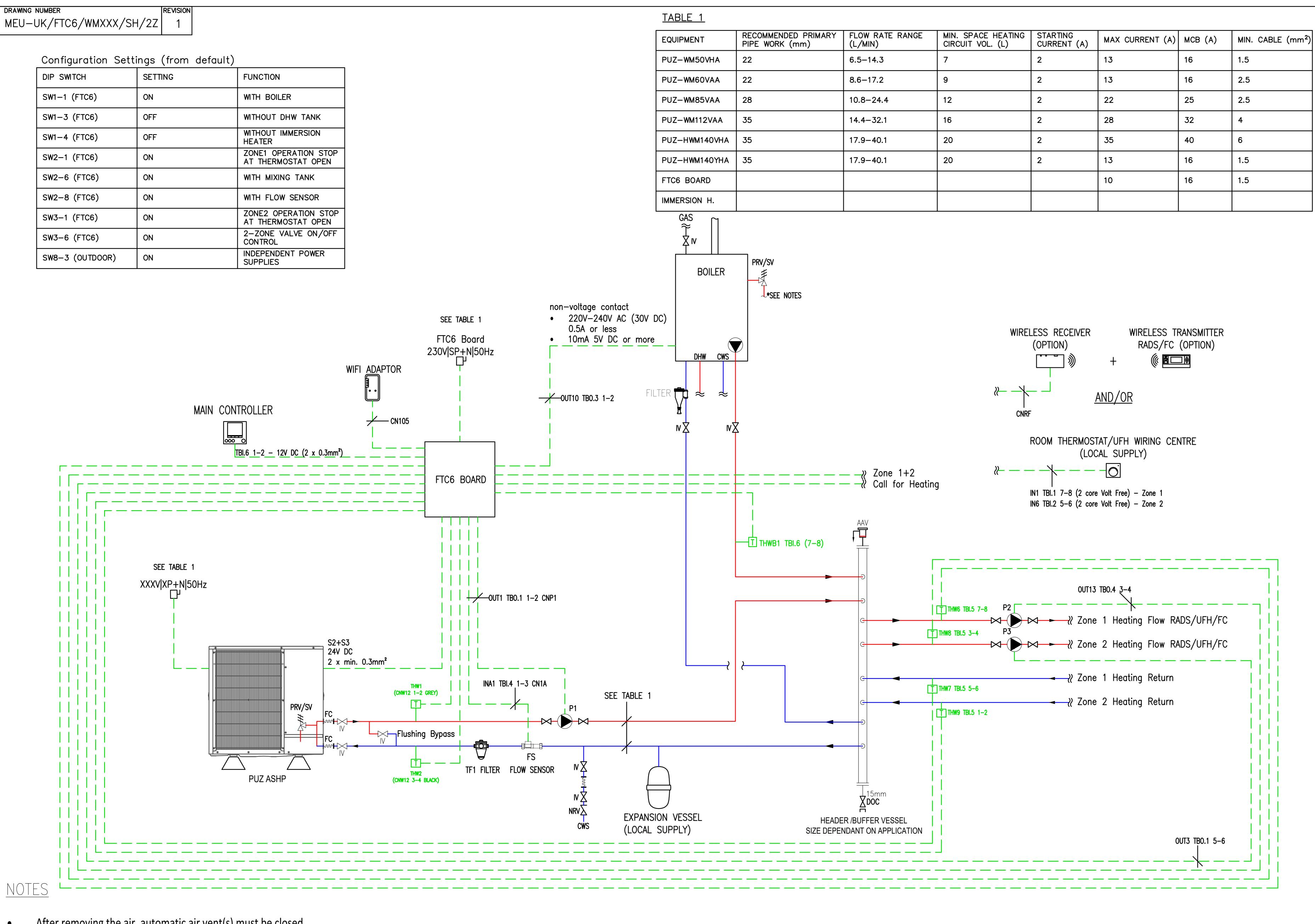


CLIENT

FTC6 Standalone Hybrid 1 x Heating

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 STANDALONE HYBRID SYSTEM/COMBI BOILER 1 HEATING ZONE

JULY 2020 DESIGNED DRAWN C. ADERIBIGBE R. TAYLOR C. ADERIBIGBE DRAWING NUMBER MEU-UK/FTC6/WMXXX/SH/1Z



- After removing the air, automatic air vent(s) must be closed.
- 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 commissioning of Pipework Systems, 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.
- Boiler PRV/SV to be discharged to outside to discharge any abnormally leaked refrigerant outside of the building.

All dimensions are in mm unless otherwise stated

For information only, DO NOT SCALE drawing

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

LEGEND

AAV AUTOMATIC AIR VENT (After removing the air, automatic air vent(s) must be closed)

ISOLATING VALVE

NRV NON RETURN VALVE

DOC DRAIN OFF COCK

DRV DOUBLE REGULATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

TEMPERATURE SENSOR

PRESSURE GAUGE PG

PUMP

FILTER/STRAINER

FS FLOW SENSOR

SCALE TRAP

BACK FLOW PREVENTION DEVICE (if fitted)

REV DESCRIPTION

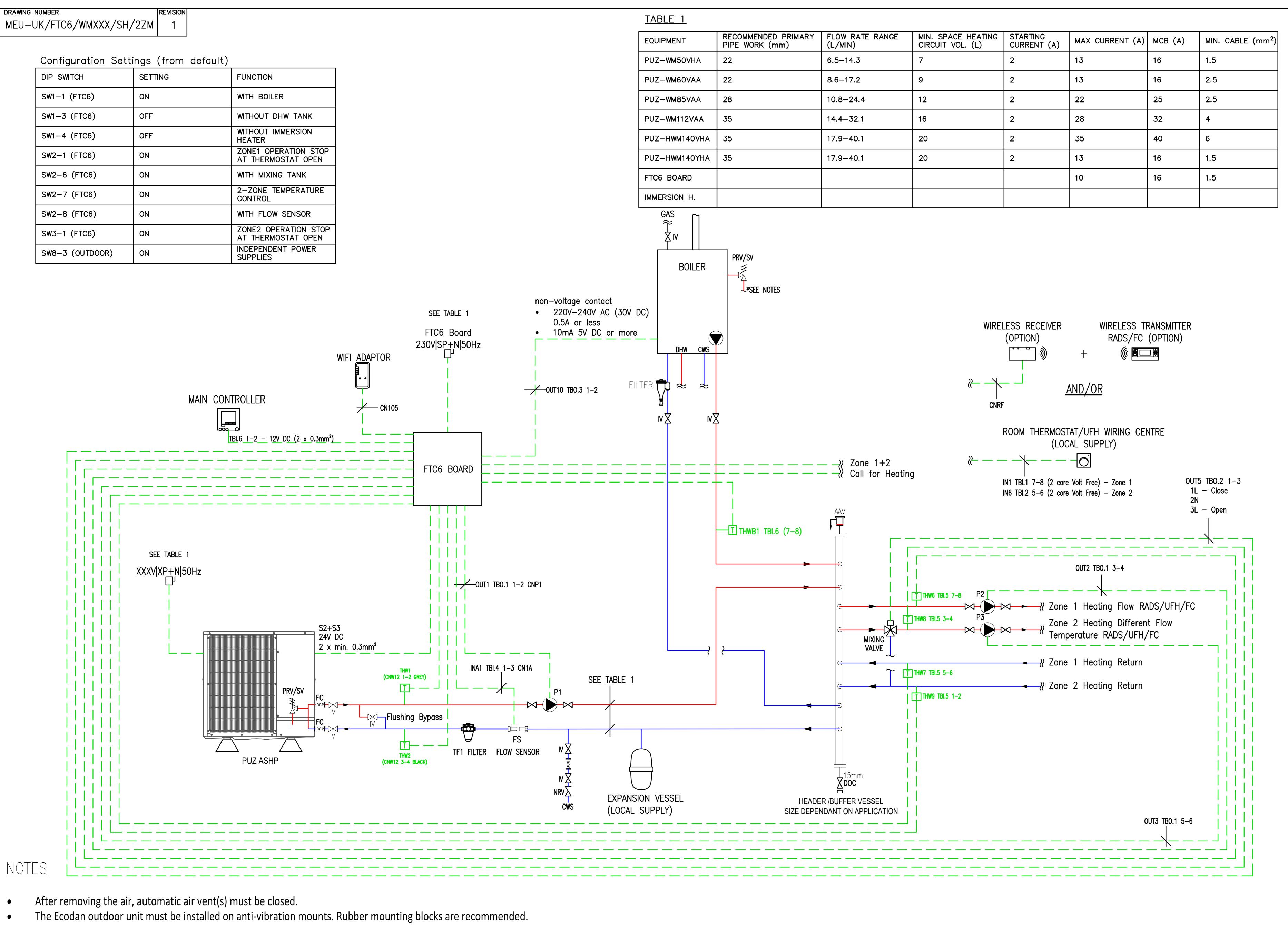
DESN CHKD DATE



FTC6 Standalone Hybrid 2 x Heating

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 STANDALONE HYBRID SYSTEM/COMBI BOILER 2 HEATING ZONES

SCALE	ORIGINAL SIZE		DATE			
NTS	A0		JULY 2)	
DRAWN	DESIGNED	INIT	CHECKED		11	
C. ADERIBIGBE	C. ADERIBIGBE		R. TAYLOR			
DRAWING NUMBER						
MEU-UK/FTC6/WMXXX/SH/2Z						



- 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.
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- Isolation valves and flushing bypass circuit are recommended for the outdoor unit. This is best practice and not required for warranty purposes.
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- All electrical work must be carried out in accordance with the current version of BS7671.
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LEGEND

AUTOMATIC AIR VENT (After removing the air, automatic air vent(s) must be closed)

ISOLATING VALVE

DOC DRAIN OFF COCK

NRV NON RETURN VALVE

DRV DOUBLE REGULATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

PRESSURE GAUGE PG

PUMP

TEMPERATURE SENSOR

FILTER/STRAINER

FS FLOW SENSOR

SCALE TRAP

BACK FLOW PREVENTION DEVICE (if fitted)

REV DESCRIPTION

DESN CHKD DATE



CLIENT

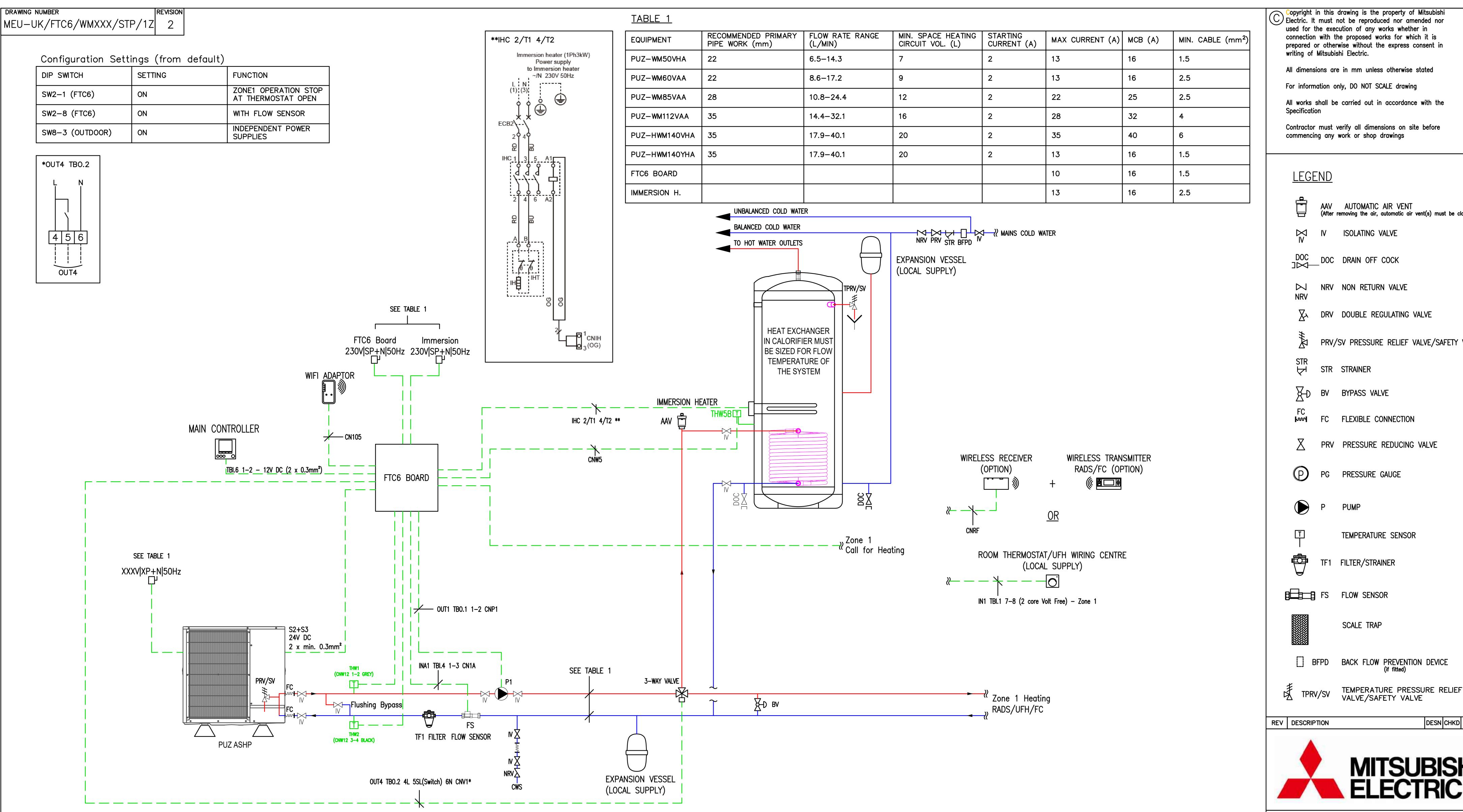
DRAWING NUMBER

FTC6 Standalone Hybrid 2 x Heating Mixed

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 STANDALONE HYBRID SYSTEM/COMBI BOILER 2 HEATING ZONES DIFFERENT FLOW TEMPERATURES

JULY 2020 DESIGNED C.ADERIBIGBE C.ADERIBIGBE R. TAYLOR

MEU-UK/FTC6/WMXXX/SH/2ZM



NOTES

- After removing the air, automatic air vent(s) must be closed.
- 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.
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- 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.

used for the execution of any works whether in connection with the proposed works for which it is prepared or otherwise without the express consent in

All works shall be carried out in accordance with the

Contractor must verify all dimensions on site before

(After removing the air, automatic air vent(s) must be closed)

DRV DOUBLE REGULATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

X PRV PRESSURE REDUCING VALVE

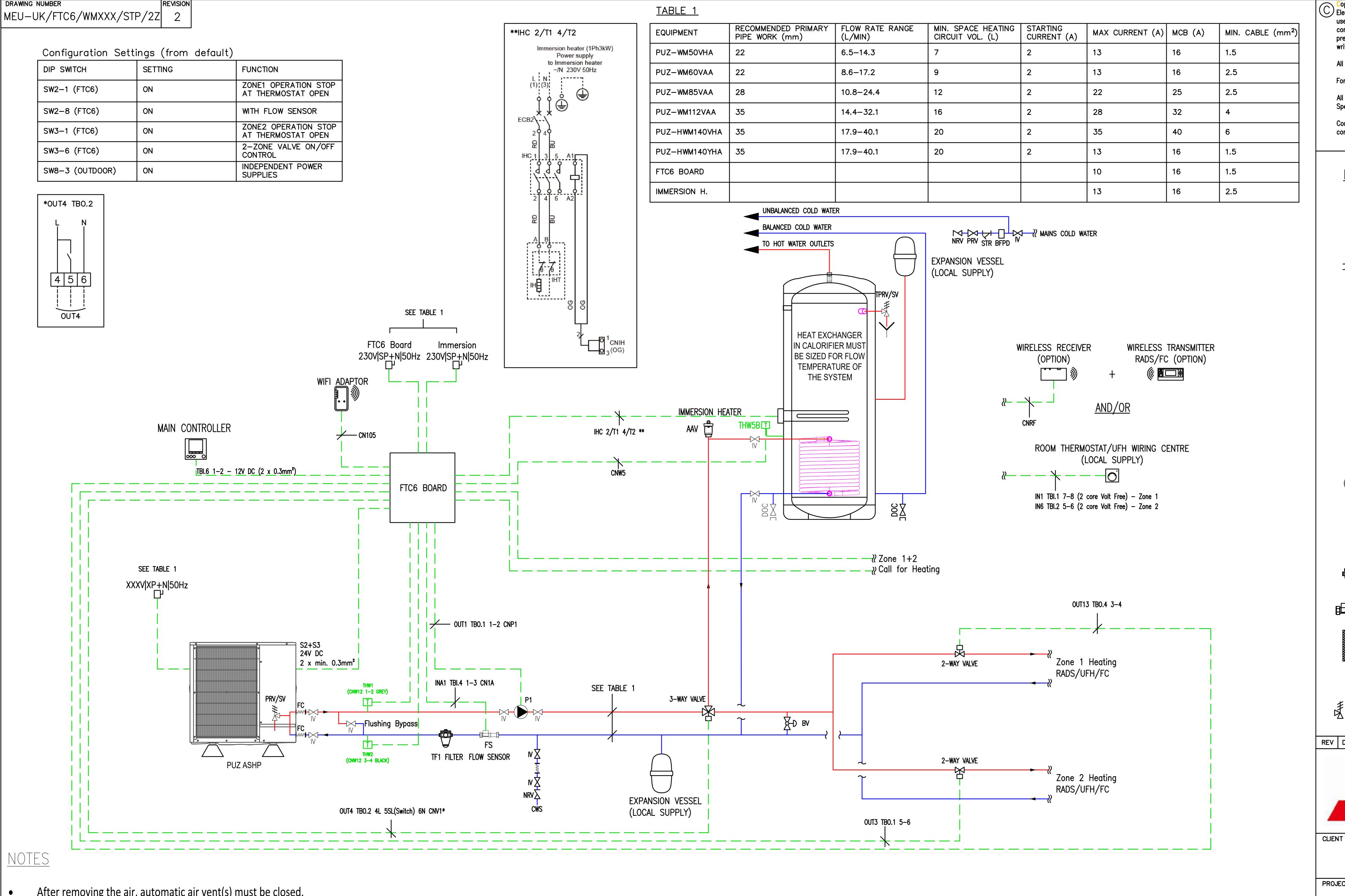
DESN CHKD DATE



FTC6 Standalone w/ Third Party Cylinder 1 x Heating

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 STANDALONE WITH THIRD PARTY CYLINDER 1 HEATING ZONE

JANUARY 2021 INIT CHECKED DESIGNED DRAWN M. ABDIHAKIM M. ABDIHAKIM R. TAYLOR DRAWING NUMBER MEU-UK/FTC6/WMXXX/STP/1Z



- After removing the air, automatic air vent(s) must be closed.
- The Ecodan outdoor unit must be installed on anti-vibration mounts. Rubber mounting blocks are recommended.
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<u>LEGEND</u>

AUTOMATIC AIR VENT (After removing the air, automatic air vent(s) must be closed)

ISOLATING VALVE

DOC DRAIN OFF COCK

NRV NON RETURN VALVE

DRV DOUBLE REGULATING VALVE

PRV/SV PRESSURE RELIEF VALVE/SAFETY VALVE

D BV BYPASS VALVE

FLEXIBLE CONNECTION

PRV PRESSURE REDUCING VALVE

PG PRESSURE GAUGE

PUMP

TEMPERATURE SENSOR

FILTER/STRAINER

FS FLOW SENSOR

SCALE TRAP

BACK FLOW PREVENTION DEVICE (if fitted)

TEMPERATURE PRESSURE RELIEF VALVE/SAFETY VALVE

REV DESCRIPTION

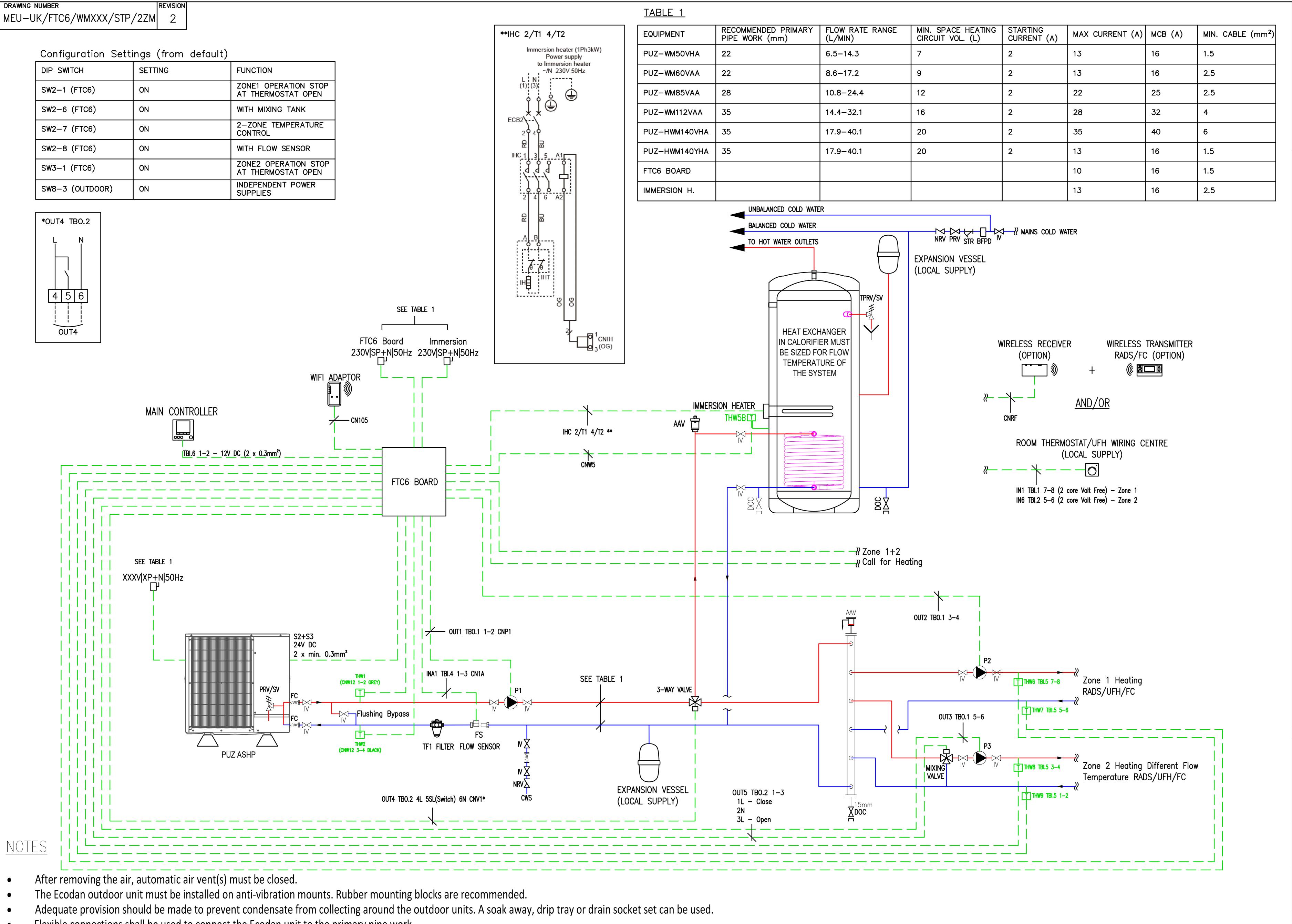
DESN CHKD DATE



FTC6 Standalone w/ Third Party Cylinder 2 x Heating

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 STANDALONE WITH THIRD PARTY CYLINDER 2 HEATING ZONES

JANUARY 2021 INIT CHECKED DESIGNED DRAWN M. ABDIHAKIM R. TAYLOR M. ABDIHAKIM DRAWING NUMBER MEU-UK/FTC6/WMXXX/STP/2Z



- 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 commissioning of Pipework Systems, 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.
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PUMP

TEMPERATURE SENSOR

FILTER/STRAINER

FS FLOW SENSOR

SCALE TRAP

BACK FLOW PREVENTION DEVICE (if fitted)

TEMPERATURE PRESSURE RELIEF VALVE/SAFETY VALVE

REV DESCRIPTION

DESN CHKD DATE



FTC6 Standalone w/ Third Party Cylinder 2 x Heating Mixed

MECHANICAL SERVICES MITSUBISHI ECODAN FTC6 STANDALONE WITH THIRD PARTY CYLINDER 2 HEATING ZONES DIFFERENT FLOW TEMPERATURES

JANUARY 2021 DESIGNED DRAWN M. ABDIHAKIM R. TAYLOR M. ABDIHAKIM DRAWING NUMBER MEU-UK/FTC6/WMXXX/STP/2ZM