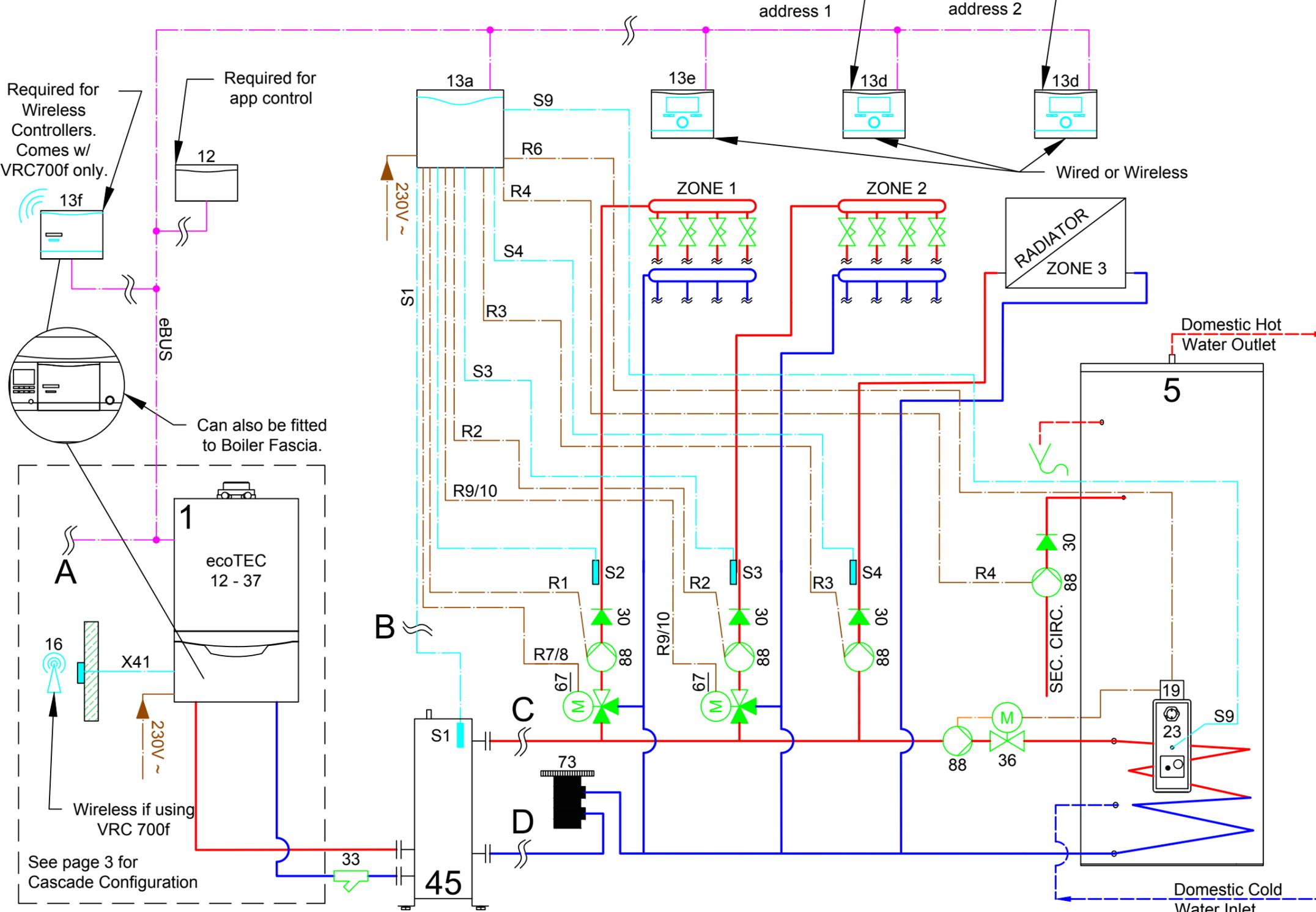
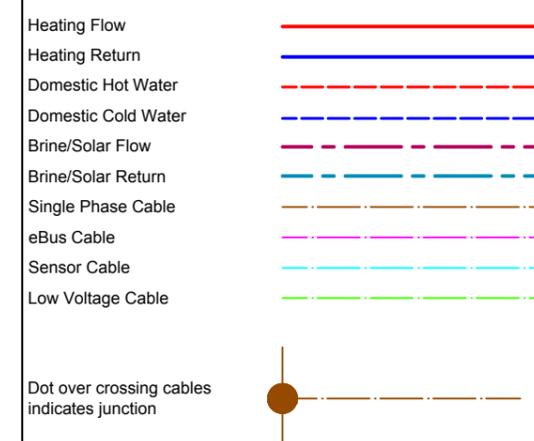


For VRC 700 controller commissioning / settings see **page 4**



- 01 Boiler
- 05 DHW Cylinder
- 06 Pressurisation Unit
- 12 Internet Gateway (VR 920)
- 12g eBUS Coupler (VR 32)
- 13a Wiring Centre (VR 71)
- 13d Zone Controller - Wired or Wireless (VR 91)
- 13e System Controller - Wired or Wireless (VRC 700)
- 13f Wireless Receiver
- 16 Outdoor Temperature Sensor
- 19 High Limit Thermostat
- 23 Immersion Heater
- 30 Non-return Valve
- 32 Expansion Vessel Service Valve
- 33 Y-Strainer
- 36 Zone Valve
- 40 Heat Exchanger
- 42c Heating Expansion Vessel
- 45 Low Loss Header
- 67 Motorised Mixing Valve
- 73 Magnetic System Filter
- 88 General Pump



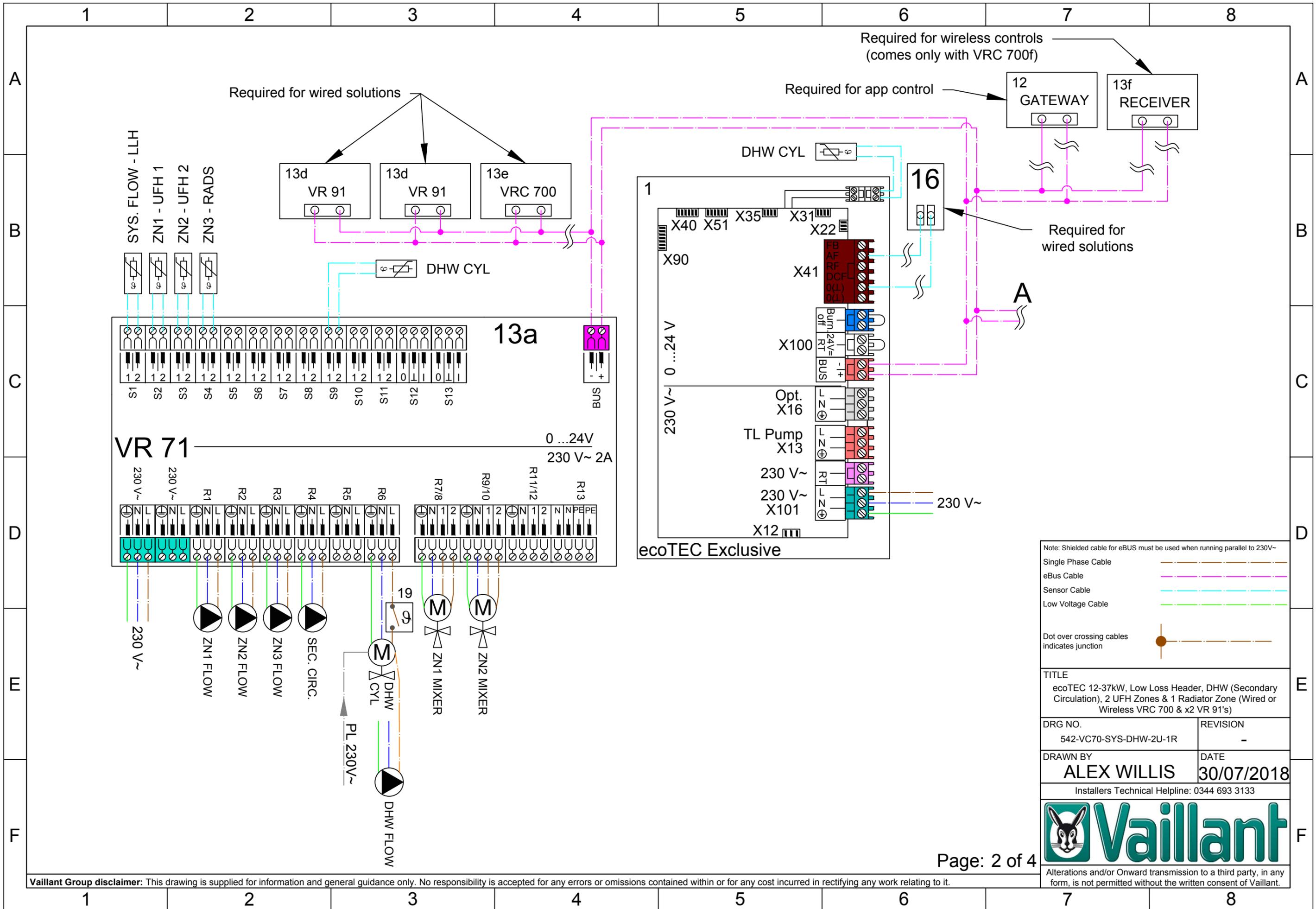
TITLE
ecoTEC 12-37kW, Low Loss Header, DHW (Secondary Circulation), 2 UFH Zones & 1 Radiator Zone (Wired or Wireless VRC 700 & x2 VR 91's)

DRG NO. 542-VC70-SYS-DHW-2U-1R	REVISION -
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Required for wireless controls
(comes only with VRC 700f)

Required for wired solutions

Required for app control

Required for wired solutions

Note: Shielded cable for eBUS must be used when running parallel to 230V~
 Single Phase Cable
 eBus Cable
 Sensor Cable
 Low Voltage Cable
 Dot over crossing cables indicates junction

TITLE
 ecoTEC 12-37kW, Low Loss Header, DHW (Secondary Circulation), 2 UFH Zones & 1 Radiator Zone (Wired or Wireless VRC 700 & x2 VR 91's)

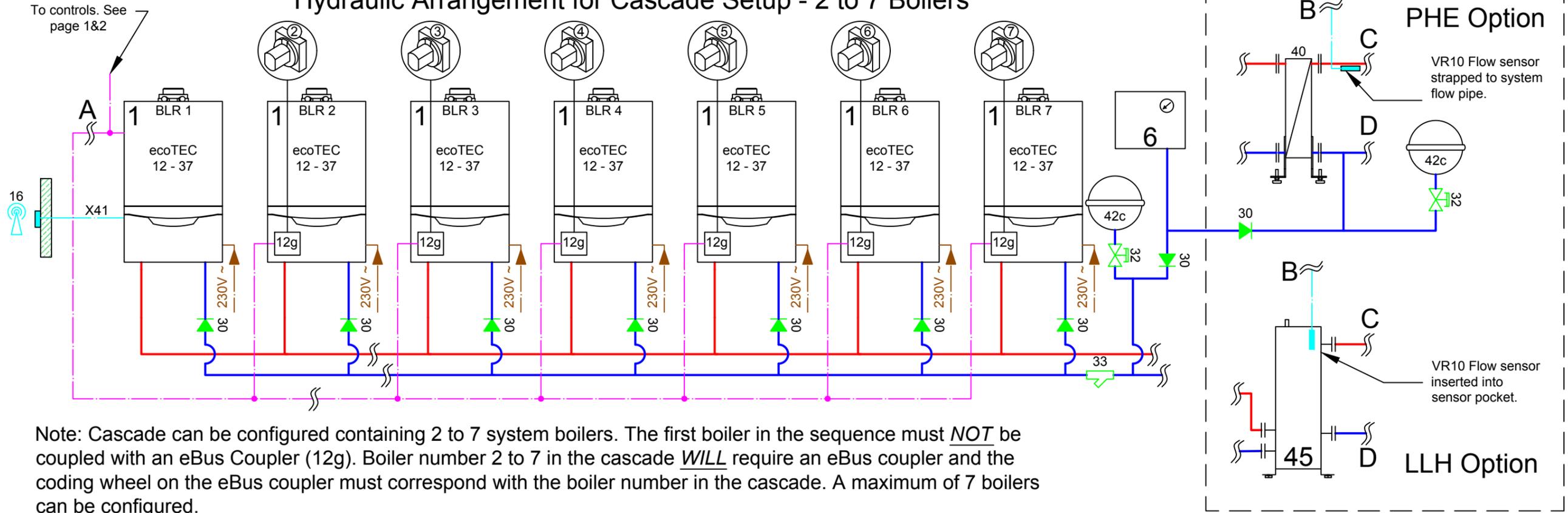
DRG NO. 542-VC70-SYS-DHW-2U-1R REVISION -

DRAWN BY ALEX WILLIS DATE 30/07/2018

Installers Technical Helpline: 0344 693 3133

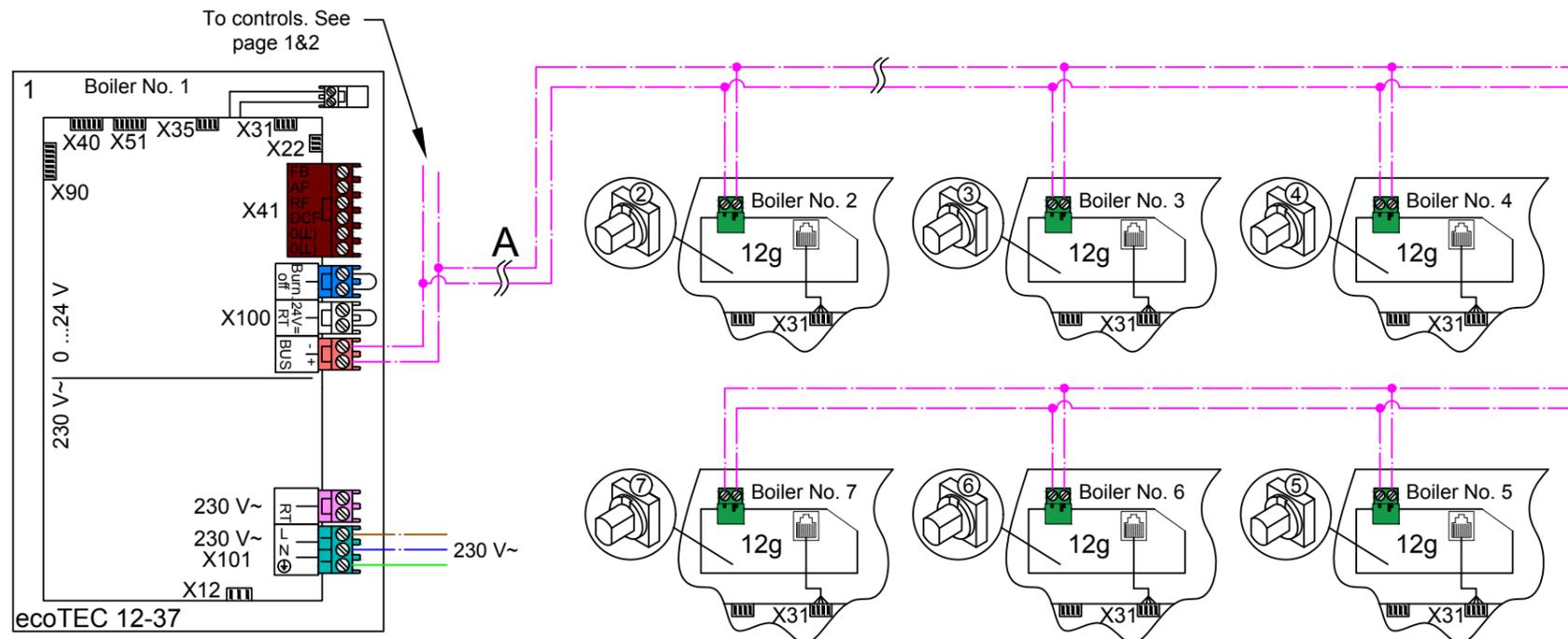


Hydraulic Arrangement for Cascade Setup - 2 to 7 Boilers



Note: Cascade can be configured containing 2 to 7 system boilers. The first boiler in the sequence must **NOT** be coupled with an eBus Coupler (12g). Boiler number 2 to 7 in the cascade **WILL** require an eBus coupler and the coding wheel on the eBus coupler must correspond with the boiler number in the cascade. A maximum of 7 boilers can be configured.

Wiring Arrangement for Cascade Setup - 2 to 7 Boilers



Note: Under the System Configuration menu in the VRC 700 it is recommended to set the 'Actuation Reversal' setting to 'On'. This will ensure equal running hours for all boilers.

VRC 700 System Configuration Relevant Settings

Setting	Value
System	
Adaptive heat. curve	Yes
Configure heat. circ.	Zone1
System diagram configuration	
System diagram	2
Config.: VR71	3
MA VR71	Circ. pump
HEATING1	
Type of circuit	Heating
* Max limit outs.temp.	25 °C
Maximum temperature	45 °C
Auto Off mode	Set-back
Room temp. mod.	Thermost.
HEATING2	
Type of circuit	Heating
* Max limit outs.temp.	25 °C
Maximum temperature	45 °C
Auto Off mode	Set-back
Room temp. mod.	Thermost.
HEATING3	
Type of circuit	Heating
* Max limit outs.temp.	25 °C
Maximum temperature	Property Dependent
Auto Off mode	Set-back
Room temp. mod.	Thermost.

Setting	Value
ZONE1	
Zone activated	Yes
* Set-back temp. heat.	15 °C
Zone assignment	VRC700
ZONE2	
Zone activated	Yes
* Set-back temp. heat.	15 °C
Zone assignment	VR91 ad.1
ZONE3	
Zone activated	Yes
* Set-back temp. heat.	15 °C
Zone assignment	VR91 ad.2



Note:

- Settings with asterisk (*) are recommendations and not necessarily vital to system operation.
- Not all settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system configuration.

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TITLE ecoTEC 12-37kW, Low Loss Header, DHW (Secondary Circulation), 2 UFH Zones & 1 Radiator Zone (Wired or Wireless VRC 700 & x2 VR 91's)	
DRG NO. 542-VC70-SYS-DHW-2U-1R	REVISION -
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