

System schematics for aroTHERM plus

Contents

1. Buffer only

2. HEX. and Buffer

aroTHERM plus with DHW Cylinder, HEX. Module, Decoupler, 1 Radiator Zone	15
aroTHERM plus with DHW Cylinder, HEX. Module, Decoupler, 1 Underfloor Heating Zone (3rd Party)	
aroTHERM plus with DHW Cylinder, HEX. Module, Decoupler, 2 Radiator Zones	
aroTHERM plus with DHW Cylinder, HEX. Module, Decoupler, 1 Radiator Zone, 1 Underfloor Heating	
Zone (3rd Party)	24

3. HEX. only

aroTHERM plus with DHW Cylinder, HEX. Module, 1 Radiator Zone	27
aroTHERM plus with DHW Cylinder, HEX. Module, 1 Underfloor Heating Zone (3rd Party)	
aroTHERM plus with DHW Cylinder, HEX. Module, 2 Radiator Zones	33
aroTHERM plus with DHW Cylinder, HEX. Module, 1 Radiator Zone, 1 Underfloor Heating Zone (3rd Party)	

4. Hydraulic Station and Buffer

aroTHERM plus with DHW Cylinder, Hydraulic Station, Decoupler, 1 Radiator Zone	39
aroTHERM plus with DHW Cylinder, Hydraulic Station, Decoupler, 1 Underfloor Heating Zone (3rd Party)	42
aroTHERM plus with DHW Cylinder, Hydraulic Station, Decoupler, 2 Radiator Zones	45
aroTHERM plus with DHW Cylinder, Hydraulic Station, Decoupler, 1 Radiator Zone,	
1 Underfloor Heating Zone (3rd Party)	48

5. Hydraulic Station, HEX. and Buffer

aroTHERM plus with DHW Cylinder, Hydraulic Station, HEX. Module, Decoupler, 1 Radiator ZonearoTHERM plus with DHW Cylinder, Hydraulic Station, HEX. Module, Decoupler, 1 Underfloor Heating	51
	54
aroTHERM plus with DHW Cylinder, Hydraulic Station, HEX. Module, Decoupler, 2 Radiator ZonesaroTHERM plus with DHW Cylinder, Hydraulic Station, HEX. Module, Decoupler, 1 Radiator Zone, 1 Underfloor	. 57
Heating Zone (3rd Party)	. 60

6. Hydraulic Station and HEX.

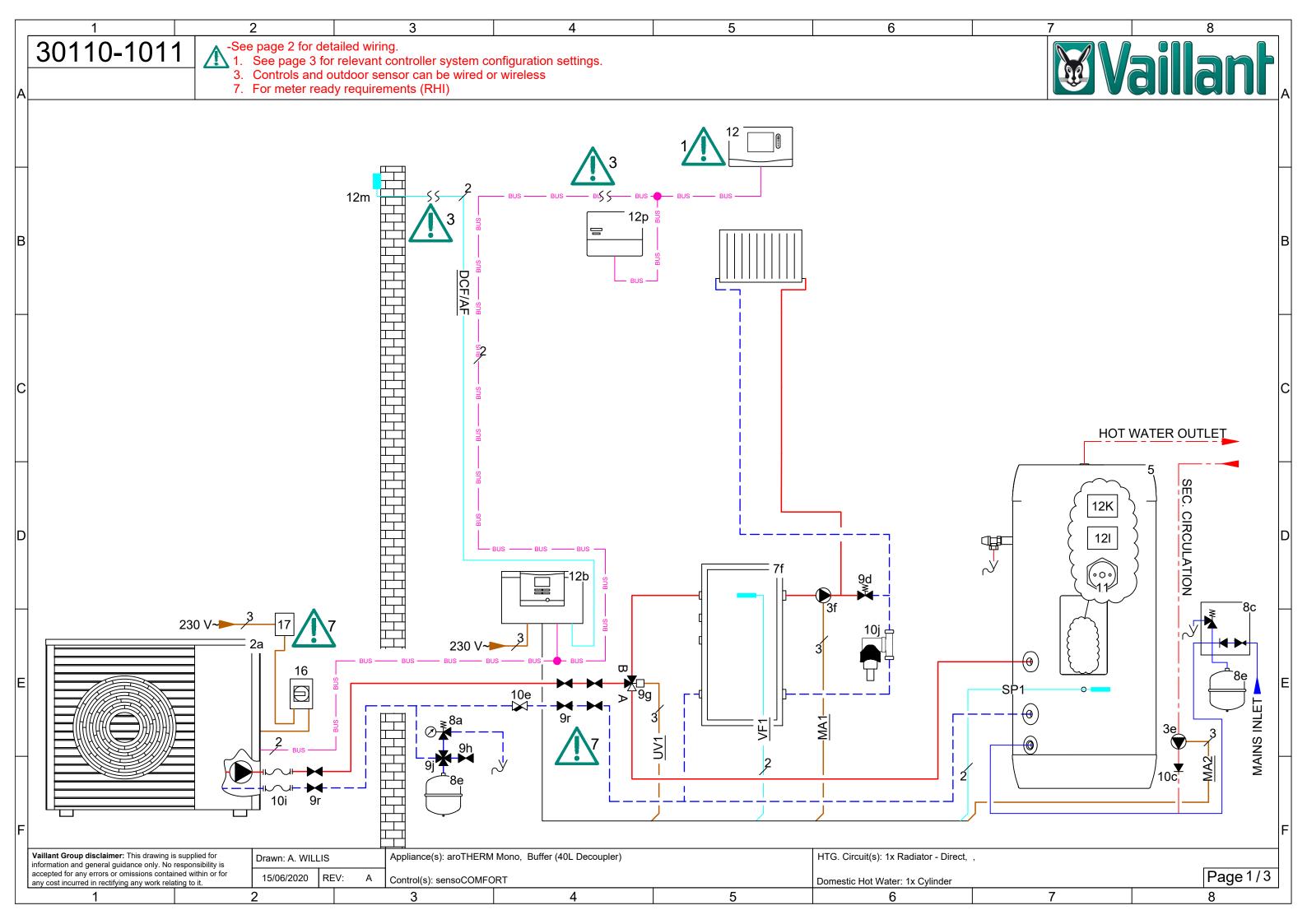
aroTHERM plus with DHW Cylinder, Hydraulic Station, HEX. Module, 1 Radiator Zone	63
aroTHERM plus with DHW Cylinder, Hydraulic Station, HEX. Module, 1 Underfloor Heating Zone (3rd Party)	66
aroTHERM plus with DHW Cylinder, Hydraulic Station, HEX. Module, 2 Radiator Zones	69
aroTHERM plus with DHW Cylinder, Hydraulic Station, HEX. Module, 1 Radiator Zone, 1 Underfloor Heating	
Zone (3rd Party)	72

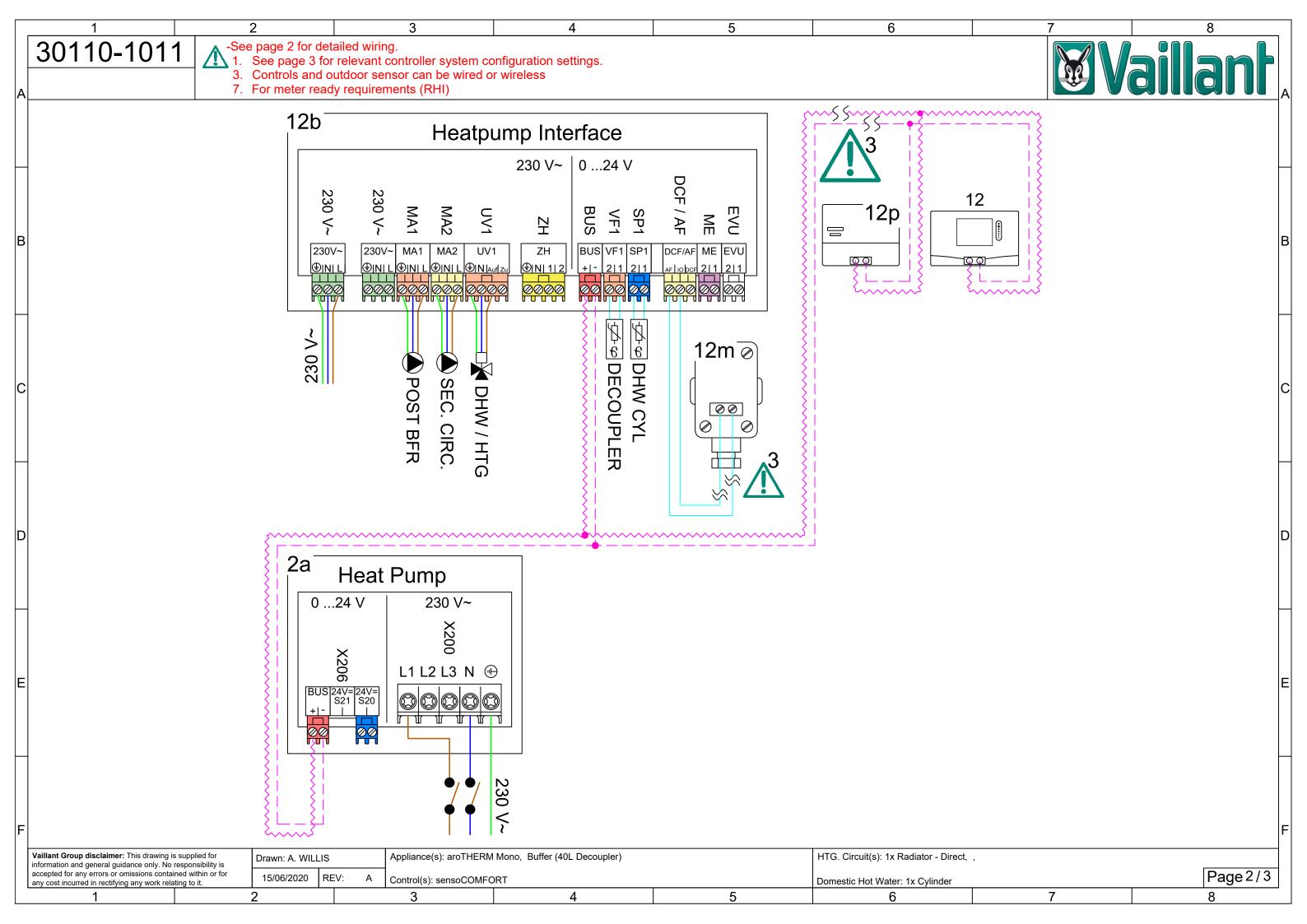
7. No modules

aroTHERM plus with DHW Cylinder, 1 Radiator Zone	75
aroTHERM plus with DHW Cylinder, 1 Underfloor Heating Zone (3rd Party)	
aroTHERM plus with DHW Cylinder, 2 Radiator Zones	81
aroTHERM plus with DHW Cylinder, 1 Radiator Zone, 1 Underfloor Heating Zone (3rd Party)	

8. uniTOWER, Buffer

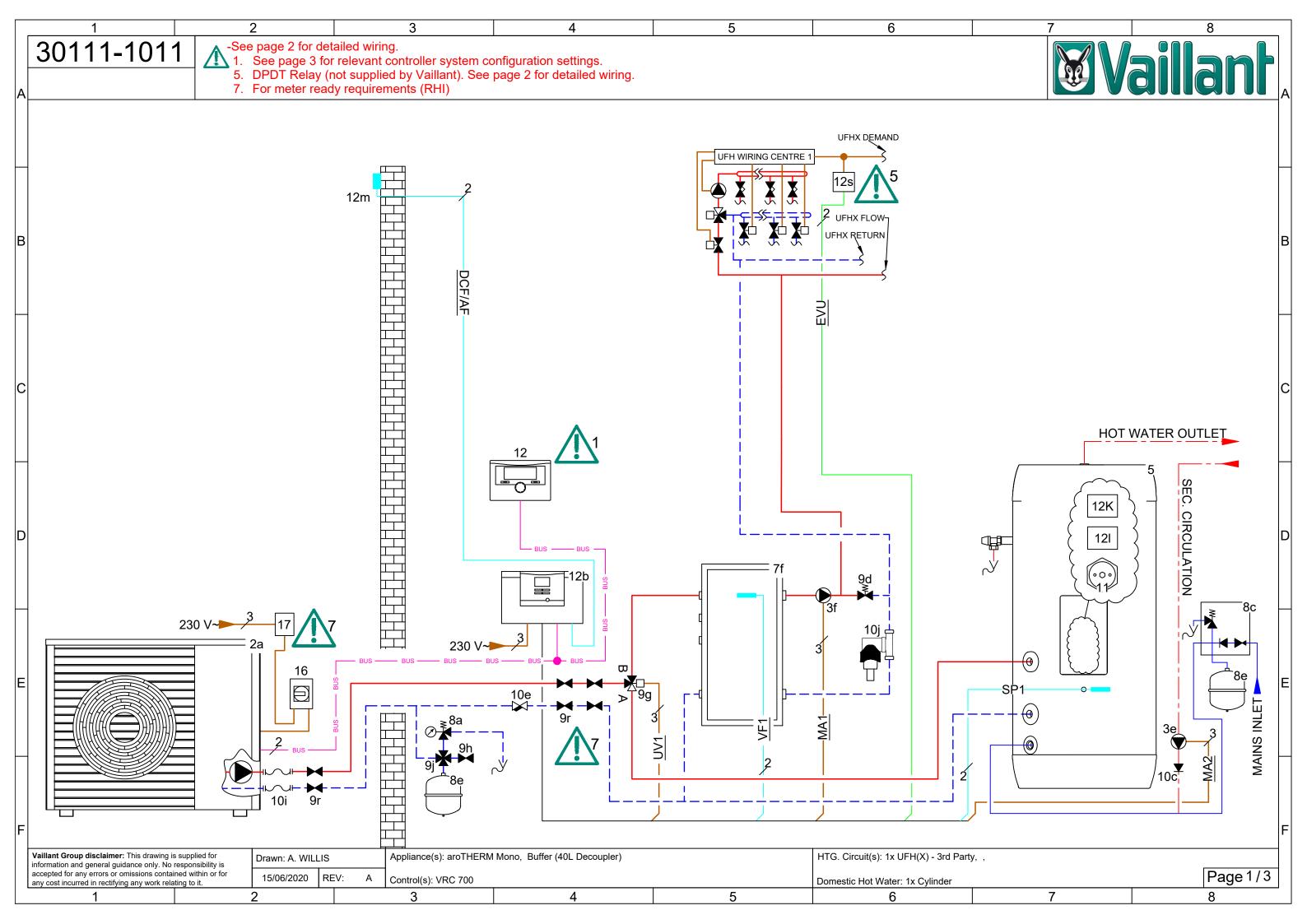
aroTHERM plus with uniTOWER, Decoupler, 1 Radiator Zone	87
aroTHERM plus with uniTOWER, Decoupler, 1 Underfloor Heating Zone (3rd Party)	90
aroTHERM plus with uniTOWER, Decoupler, 2 Radiator Zones	93
aroTHERM plus with uniTOWER, Decoupler, 1 Radiator Zone, 1 Underfloor Heating Zone (3rd Party)	96

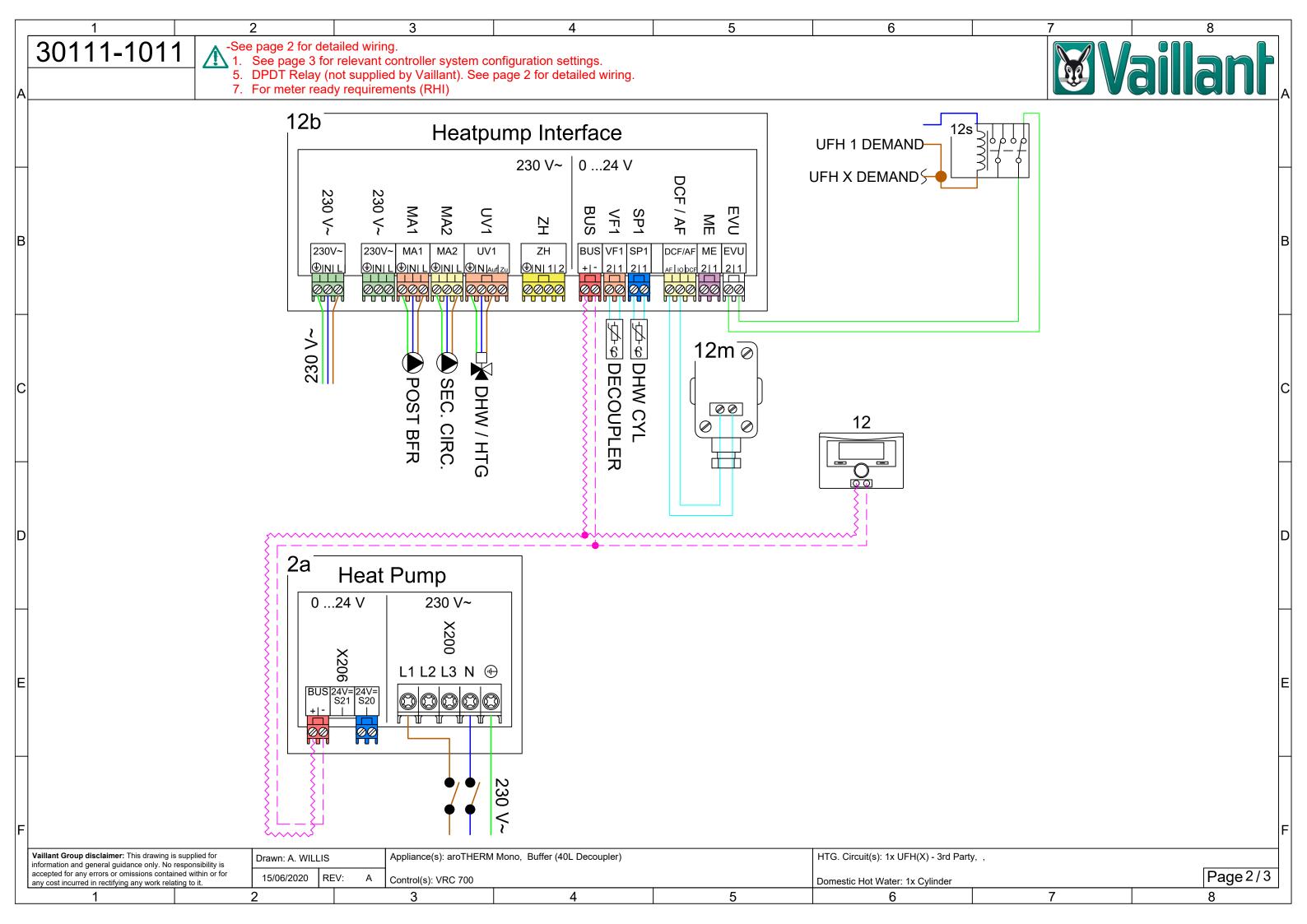




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	Installatio										10e Y Strainer 10i Flexible Co
┝╋		Deactivated	-								10j Magnetic F
	Hybrid manager:	Bivalence pt									11 Immersion
	Heating bivalence point:										12 sensoCOM 12b Heat Pump
	DHW bivalence point:	-20°									12K High Limit
C	•	Off									12I Cylinder Th 12m Outdoor Te
		Heating off									12p Wireless R
	Back-up boiler:	-									16 Rotary Isol
			_								17 Electric Me
	Basic system diag	-									
ЦE	Basic system diagram code:	-	_								
	HP control module	configuration									
ШE	MO 2:	Circulation pump	_								
D	Circuit	1									
ЦE	Circuit type:	i	-								
	OT switch-off threshold:	-									
	Heat curve:	**Site specific									
	Min. target flow temperature:	15°									A 15/06/2020
	Max. target flow temperature:	45°	-								REV DATE
	Set-back mode:	Normal	1								Domestic Cold W
	Room temp. mod.:	Expanded									Domestic Hot Wa Heating Flow
E	Zone1										Heating Return Glycol Flow
	Zone activated:	Yes									Glycol Return
	Zone assignment:	Control									230/400V Wire
	Domestic hot	water									Low Voltage Sen
H	Cylinder:	Active									Low Voltage eBL Low Voltage Den
	Anti-legio. day:	**User preference									eBUS +
	Anti-legio. time:	**User preference									eBUS -
	Cylinder charging offset:	15 K									Indicates Cable J
F	Cyl. charg. anti-cycl. time:	5 min									Indicates No. of c
	aillant Group disclaimer: This draw formation and general guidance only		Drawn: A. WILLIS		Appliance(s): aroTHERM	Mono, Buffer (40L Decoupler)			HTG. Circuit(s): 1x Radiator - Dire	ect, ,	
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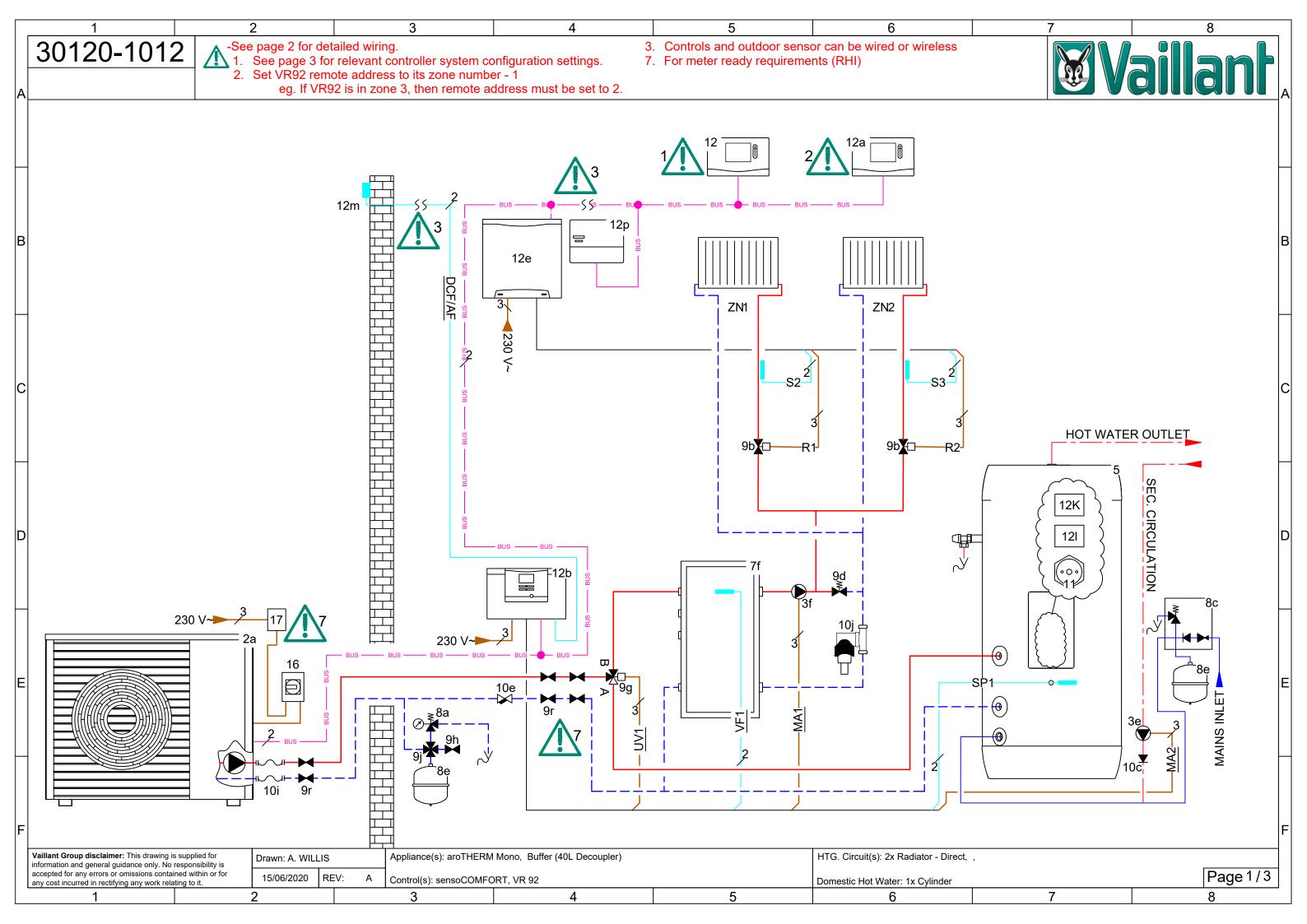
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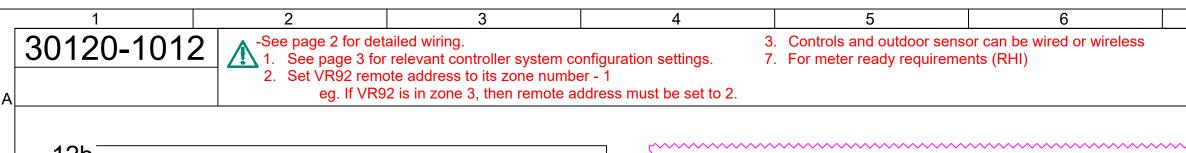


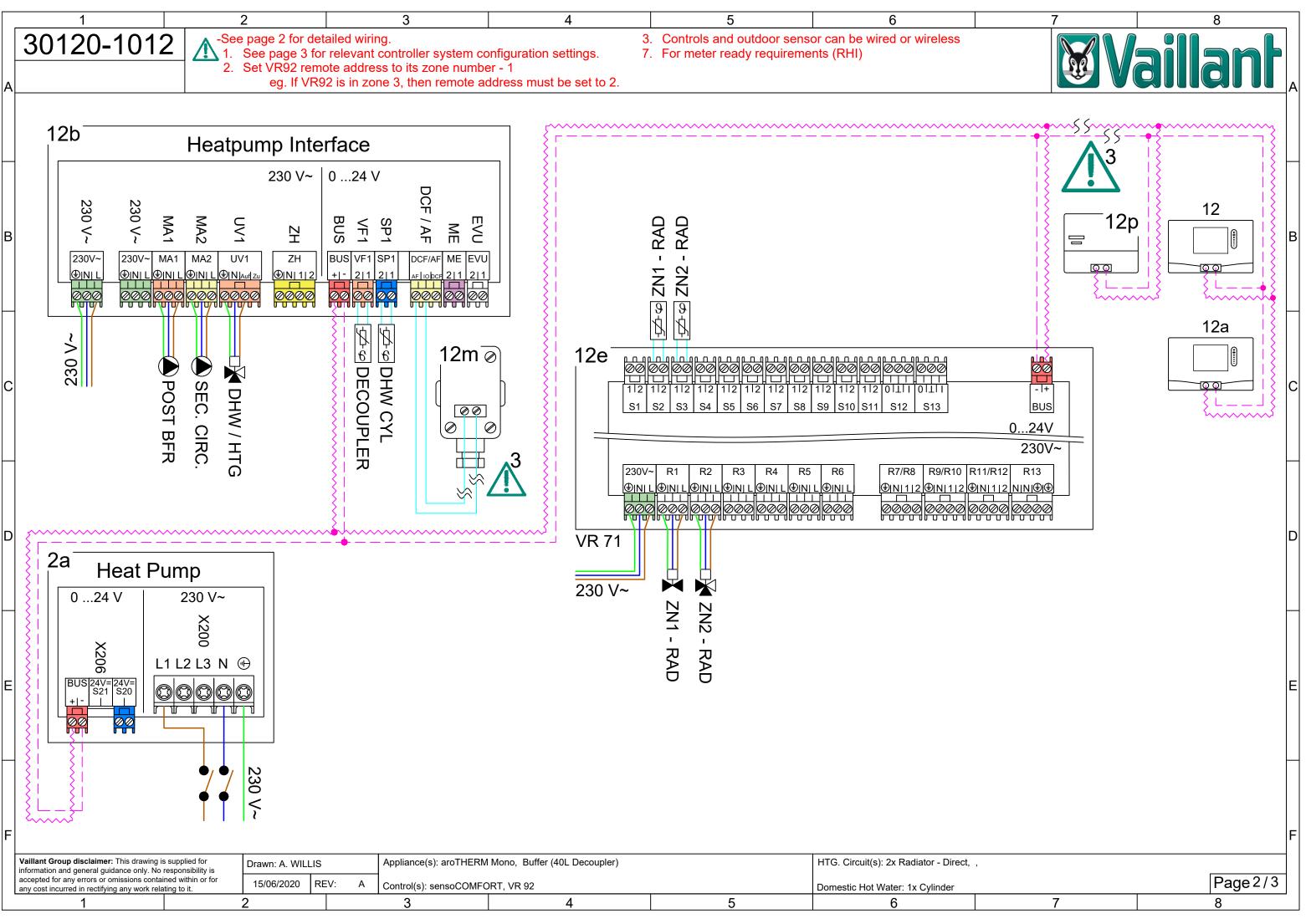


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3			S	ensoCOMFORT / V	RC 700 System Co	onfiguration		
	Not all settings are d	splayed, comn	nissioning of the c	ontroller should be done diliger	tly; going through each adjusta	ble option with consideration t	o the property and system requi	en
	Setting	Value						
	System							
	Adaptive heat. curve	No						
	Configure heat. circ.	Zone1						
	-	Bivalence pt						
	Heat. bivalence point	•						
େ⊢		-20°						
		Heat. off						
	Auxiliary heater for		_					
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+-	System diagram	-	_					
			-					
_	Additional me		_					
	Multi-function.output2							
ьL	Aux. heater output		_					
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		Heating						
		30°						
	Heating curve	•						
Ъ	Minimum temperature							
F	Maximum temperature							
	Auto Off mode		_					
_⊢	Room temp. mod.	None						
=	Zone1							
L	Zone activated:							
	Zone assignment:	Without						
	DHW circu							
	Cylinder	active						
	Anti-legionella day	**User preference						
	Anti-legionella time	**User preference						
E		15 K						
	Cylinder boost offset	IJK						
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FIED, GAS 1.	02 03e 03f 05	Secondary General P	DHW Cylinder	Ilar		A
agram. «. ments.	08a 08c 09d 09g 09h 09j 09r 10c 10e	Pressure F DHW Inlet Heating / [Bypass Va Diverter Va Fill / Drain	Relief Valve Safety Group DHW Expansio alve alve Valve Valve Vessel Servio alve	on Vessel		В
	11 12 12b 12K 12I 12m 12s 16	Heat Pum High Limit Cylinder T Outdoor T	Heater ontroller / Theo p Interface Cut Out hermostat emperature S ay (3rd Party) lator		00	С
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	Dome Heatir Heatir Glycol Glycol 230/40	stic Cold V stic Hot Wang Flow ng Return I Flow I Return 00V Wire	Immersion rer circulation DESC Vater ater	or module. noved, secondary pump added. RIPTION	^{8,E} ZONE	E
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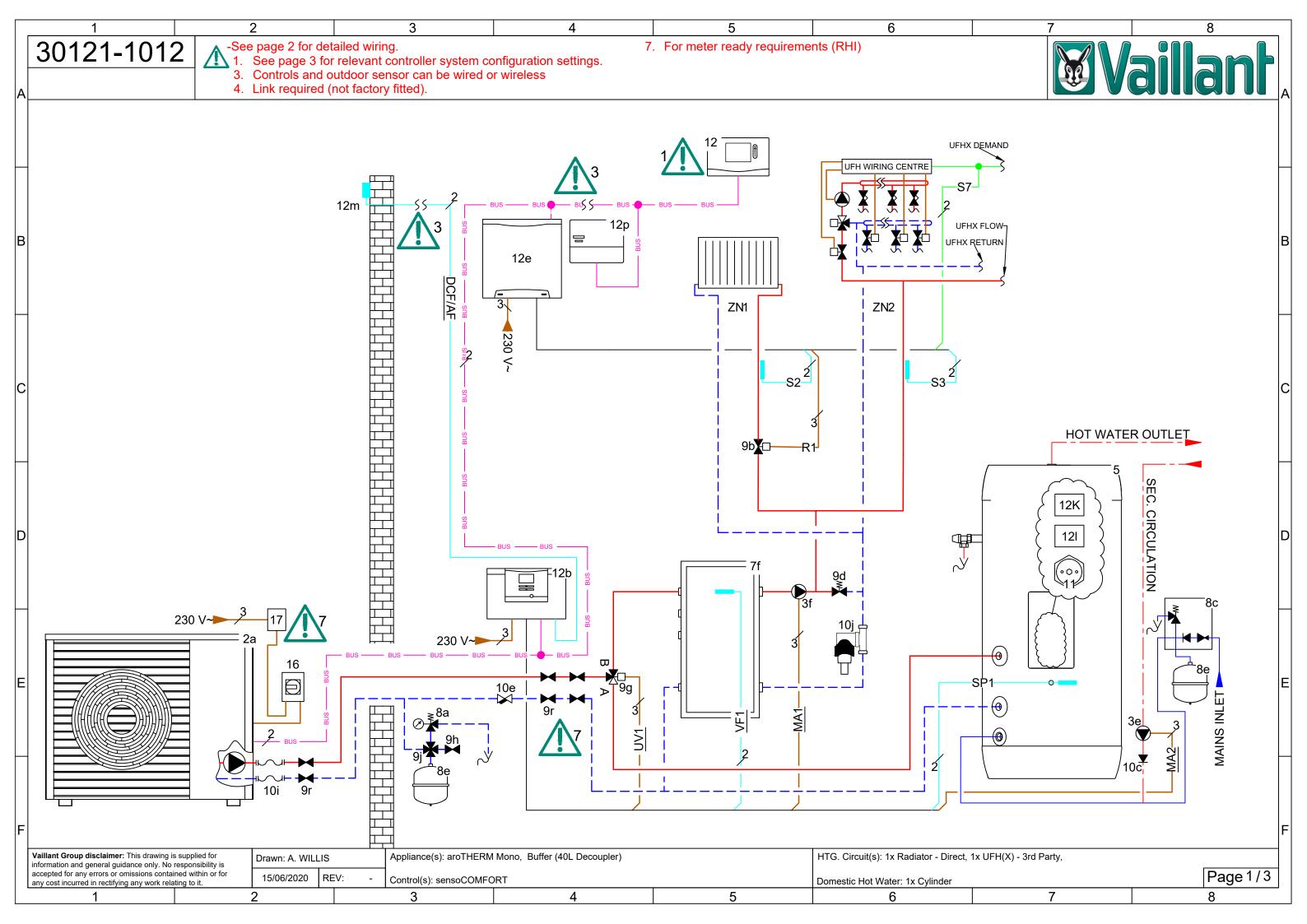


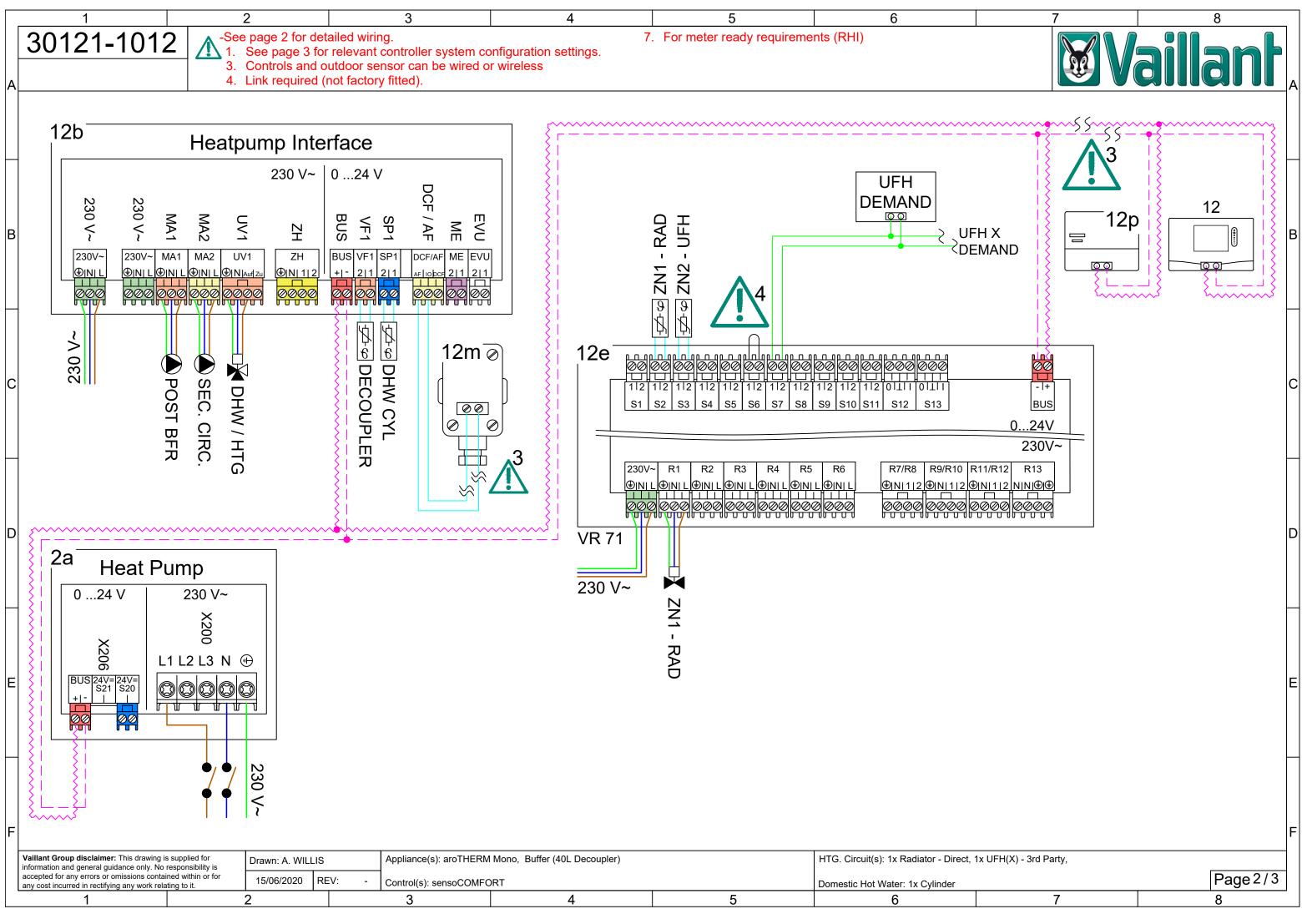




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в					sense		FORT / VR	C 700 System C	onfiguration		
	Not all settings are o	lisplayed, c	commis	sioning c	of the controlle	er should b	e done diligently;	going through each adjust	able option with considera	ation to the property and system	requireme
	Setting	Valu	е		Settin	ıg	Value				
	Installati	on		┨╶╼┨		Circuit	2	1			
	Adapt. heat curve:	Deactivated		┥╽╴┝		Circuit type:	Heating				
	Hybrid manager:	Bivalence pt		1	OT switch-	off threshold:	30°	-			
ΙĒ	Heating bivalence point:	-20°		1		Heat curve:	**Site specific	-			
	DHW bivalence point:	-20°		1	Min. target flow	temperature:	15°				
C	Alternative point:	Off		1	Max. target flow	temperature:	45°				
	ESCO:	Heating off		1	Se	t-back mode:	Normal	-			
	Back-up boiler:	Off		1	Room	n temp. mod.:	Expanded	-			
	Conf. ext. input:	Bridge, dead	ctiv.	1		Zone	1				
H	Basic system diag			1 1	Zc	one activated:	1	-			
Lt	Basic system diagram code:	-		4 F		assignment:		-			
	FM5 configuration:	3		1		Zone	2				
	FM5 MO:	Not working		1 F	Zo	one activated:		-			
D	HP control module	configuratio	on	1			Rem. contr. 1	-			
l f	MO 2:			1 I h		omestic ho					
l I	Circuit	· ·		1		Cylinder:	i	-			
l f	Circuit type:	Heating		4	A	nti-legio. day:	**User preference	-			
	OT switch-off threshold:	-		- -		iti-legio. time:	•	-			
╞	Heat curve:	**Site specifi	ic	- -		arging offset:	•	-			
	Min. target flow temperature:	15°		- -	-	nti-cycl. time:		-			
╎┠	Max. target flow temperature:	45°		┥╽┕	- j.:	······					
E	Set-back mode:			-							
	Room temp. mod.:	Expanded		-							
				J							
F											
[Vaillant Group disclaimer: This draw information and general guidance only			Drawn: A.	WILLIS	Applian	ce(s): aroTHERM Mor	o, Buffer (40L Decoupler)		HTG. Circuit(s): 2x Radiator - Di	rect, ,
	accepted for any errors or omissions of any cost incurred in rectifying any work	ontained within of		15/06/20	020 REV:	A Control	(s): sensoCOMFORT,	VR 92		Domestic Hot Water: 1x Cylinde	r
	1			2		3		4	5	6	

FIED, GAS 1. 02 aroTHERM Monoblock 03e Secondary Circulation Pump 03f General Pump 05 uniSTOR DHW Cylinder 07f 40L Decoupler 08a Pressure Relief Valve 08c DHW Inlet Safety Group 08e Heating / DHW Expansion Vessel 09b Zone Valve 09d Bypass Valve 09d Bypass Valve 09h Fill / Drain Valve 09h Fill / Drain Valve		7			8		
agram. 0c DHW linet Safety Group 0c Heating / DHW Expansion Vessel 09b Zone Valve 09d Byass Valve 09g Diverter Valve 09h Fill / Drain Valve 09r Isolation Valve 09r Isolation Valve 10c Non-return Valve 10e Y Strainer 10i Flexible Connection 10j Magnetic Filter 11 Immersion Heater 12 sensoCOMFORT 12a VR92 12b Heat Pump Interface 12e Wiring Centre - VR 71 12K High Limit Cut Out 121 Oydor Temperature Sensor 12p Wireless Reciever 16 Rotary Isolator 17 Electric Meter & totary isolaton added to 17 Electric Meter & totary isolaton 17 Electric Meter & totary isolaton <	FIED, GAS 1.	03e 03f 05	Secondary General P uniSTOR I	/ Circulation F ump DHW Cylinder	-		A
10j Magnetic Filter 11 Immersion Heater 12 sensoCOMFORT 12a VR92 12b Heat Pump Interface 12e Wiring Centre - VR 71 12K High Limit Cut Out 12I Cylinder Thermostat 12m Outdoor Temperature Sensor 12p Wireless Reciever 16 Rotary Isolator 17 Electric Meter & rotary isolation added to outdoor module. A 15/06/2020 Immersion removed, secondary asc REV DATE Domestic Cold Water Domestic Cold Water Domestic Hot Water Heating Return Glycol Flow Glycol Flow Glycol Return 230/400V Wire Low Voltage BUS Low Voltage BUS Low Voltage Demand Signal eBUS + eBUS - Indicates Cable Junction Indicates No. of cable cores	agram. k. ments.	08c 08e 09b 09d 09g 09h 09j 09r 10c 10e	DHW Inlet Heating / I Zone Valv Bypass Va Diverter Va Fill / Drain Expansion Isolation V Non-return Y Strainer	Safety Group DHW Expansion e alve alve Valve v Vessel Servio alve a Valve	on Vessel		В
17 Electric Meter Immersion removed, secondary 2.E A 15/06/2020 Immersion removed, secondary 8.E REV DATE DESCRIPTION ZONE Domestic Cold Water Domestic Hot Water Heating Flow Heating Return Glycol Flow Glycol Return E 230/400V Wire Low Voltage Sensor Wire BUS BUS Low Voltage Demand Signal eBUS + eBUS - Indicates Cable Junction A Indicates No. of cable cores 3 F		10j 11 12 12a 12b 12c 12K 12I 12I	Magnetic F Immersion sensoCON VR92 Heat Pump Wiring Cer High Limit Cylinder T Outdoor To	Filter Heater MFORT p Interface ntre - VR 71 Cut Out hermostat emperature S	ensor		С
A 15/06/2020 Immersion removed, secondary circulation pump added. 8,E REV DATE DESCRIPTION ZONE Domestic Cold Water Domestic Hot Water E Heating Flow Heating Return E Glycol Flow Glycol Return E 230/400V Wire Low Voltage Sensor Wire BUS Low Voltage Demand Signal BUS E BUS + eBUS - Indicates Cable Junction BUS Indicates No. of cable cores F		-		eter	tary isolation added to		D
Domestic Cold Water Domestic Hot Water Heating Flow Heating Return Glycol Flow Glycol Return 230/400V Wire Low Voltage Sensor Wire Low Voltage eBUS Low Voltage Demand Signal eBUS + eBUS - Indicates Cable Junction Indicates No. of cable cores Page 3/3		А	15/06/2020	outdo Immersion rer	or module. noved, secondary		
Low Voltage eBUS Low Voltage Demand Signal eBUS + eBUS - Indicates Cable Junction Indicates No. of cable cores		Domes Domes Heatin Heatin Glycol Glycol 230/40	stic Cold W stic Hot Wa g Flow g Return Flow Return 00V Wire	DESC Vater ater		ZONE	E
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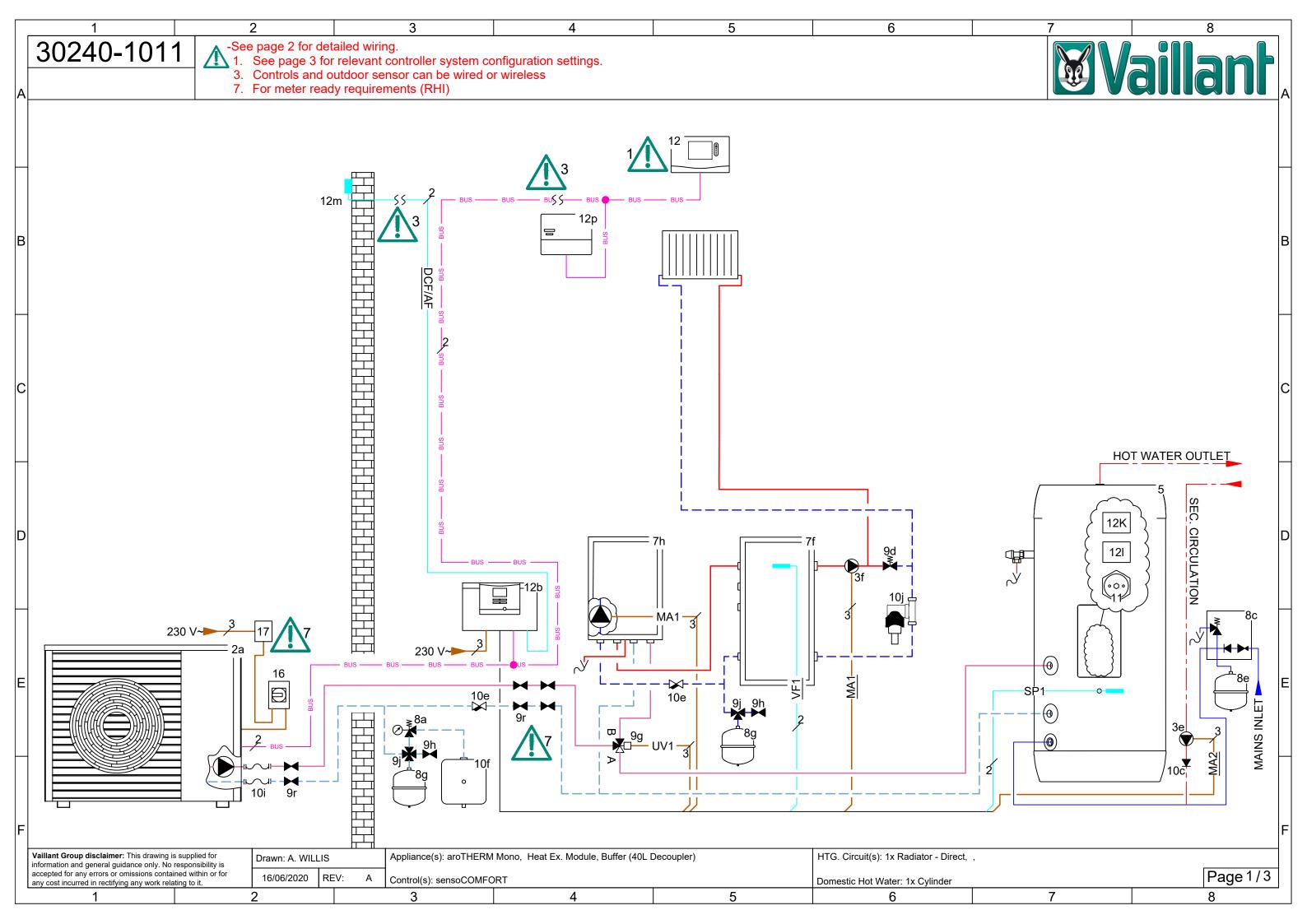


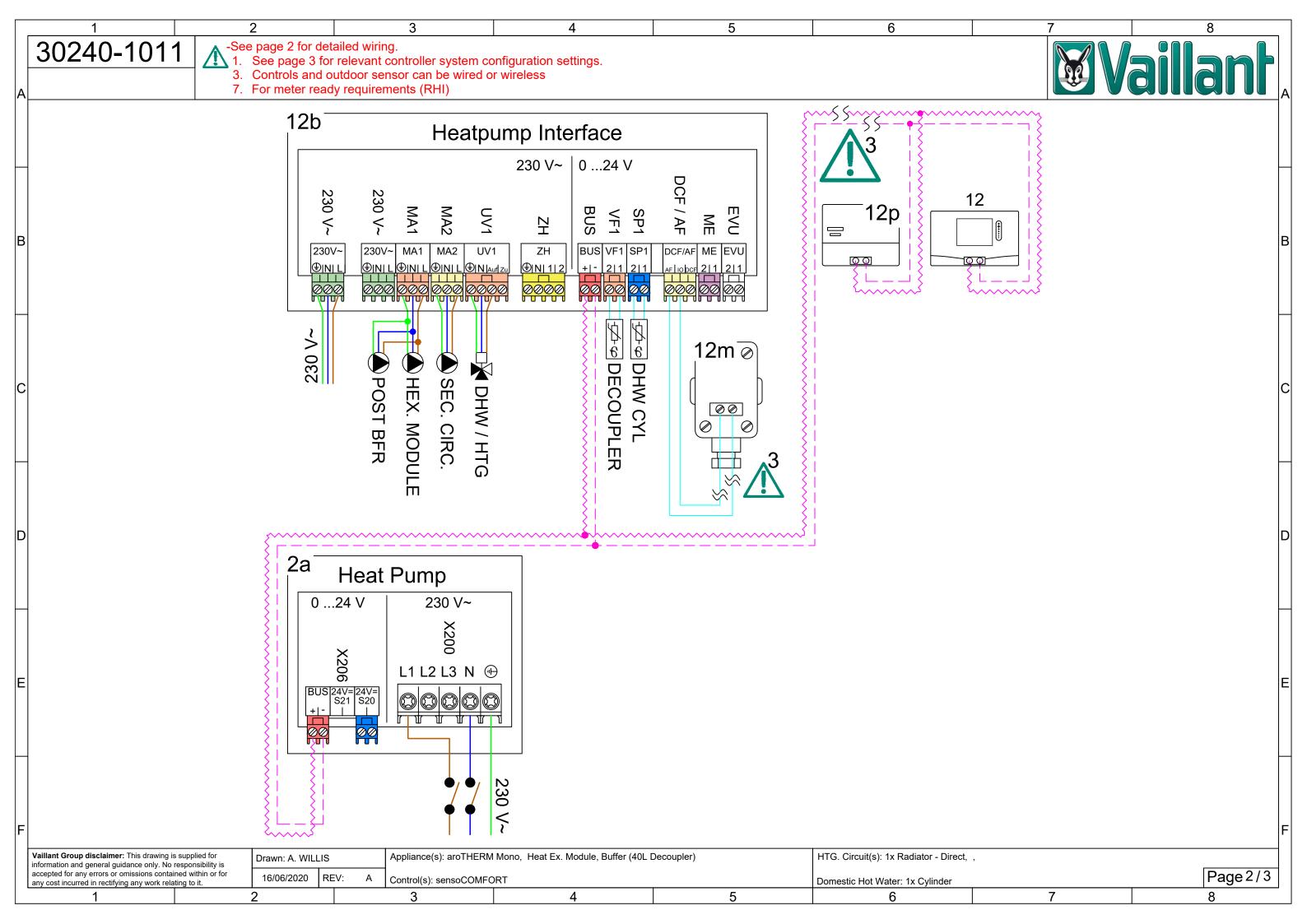


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accepted for any errors or omissions contai any cost incurred in rectifying any work rela		15/06/2020	REV: -	Control(s): sensoCOMFC	DRT		Domestic Hot Water: 1x Cylinder	
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L	Installatio			┌▶┤	Circu						
L	Adapt. heat curve:				Circuit type	_					
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\vdash	DHW bivalence point:	-			Min. target flow temperature						
<u> </u>	Alternative point:				Max. target flow temperature						
		Heating	off		Set-back mode						
	Back-up boiler:				Room temp. mod	: Inactive					
L	Conf. ext. input:				Zone						
	Basic system diag		nfig.		Zone activated						
_	Basic system diagram code:	-			Zone assignmen	No assignmt					
	FM3 configuration:				Domestic h						
			•			C Active					
	HP control module of				Anti-legio. day	-					
	MO 2:	Circulati	ion pump		Anti-legio. time	•	e				
	Circuit				Cylinder charging offse						
					Cyl. charg. anti-cycl. time	5 min					
\mathbb{L}		30°									
	Heat curve:	**Site sp	pecific								
	Min. target flow temperature:										
	Max. target flow temperature:	45°									
	Room temp. mod.:		ed								
	Zone1	-									
	Zone activated:	Yes									
┺	Zone assignment:	Control									
	aillant Group disclaimer: This draw			awn: A.	WILLIS Applia	nce(s): aroTHERM	Mono, Buffe	r (40L Decoupler)		HTG. Circuit(s): 1x Radiator - Dire	ect, 1x UFF
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a	ny cost incurred in rectifying any work 1	relating to	it. '	. 5, 50, 202		ol(s): sensoCOMFO		Δ	5	Domestic Hot Water: 1x Cylinder 6	
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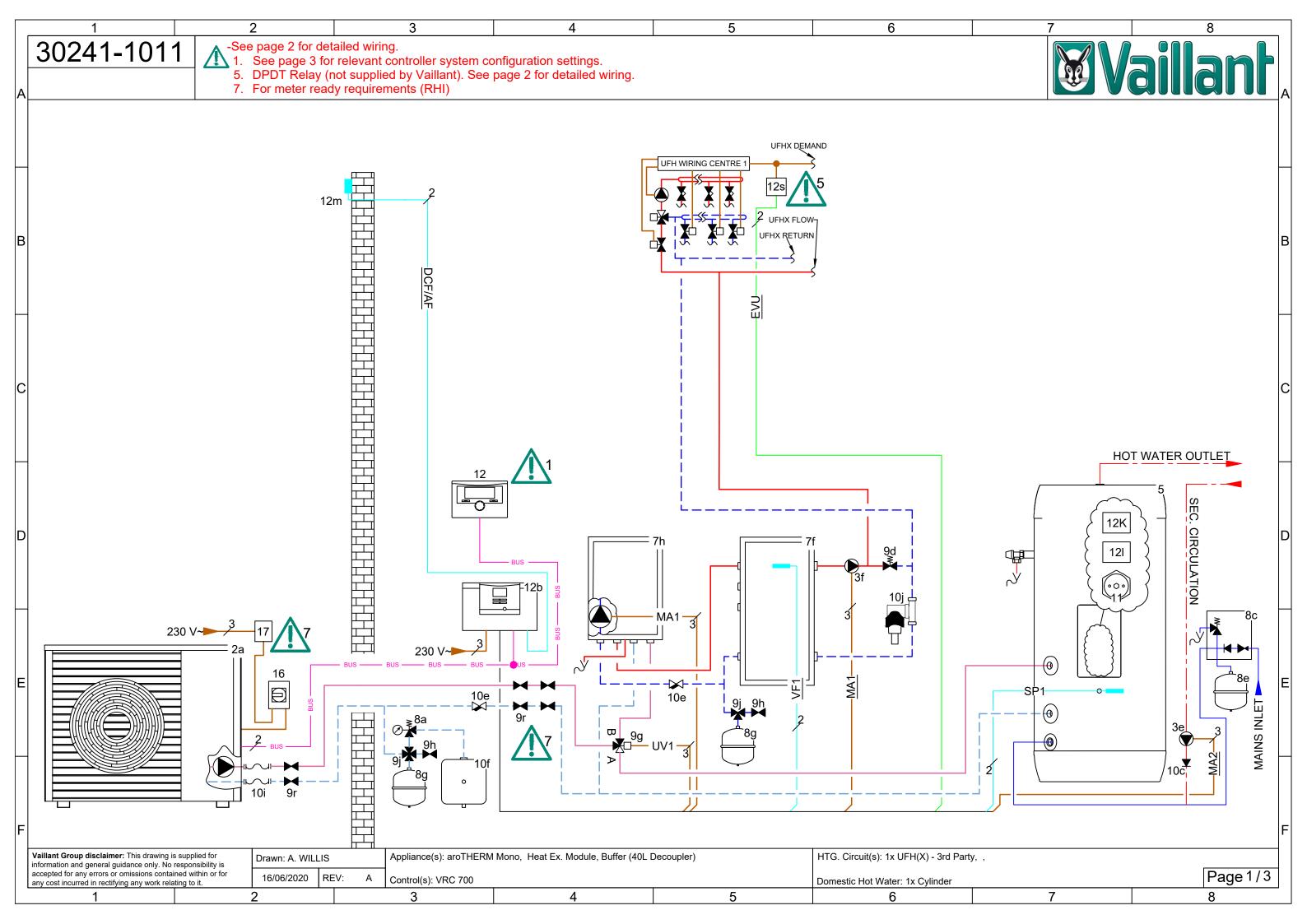
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	07f	40L Decou	ıpler			
			Relief Valve			
agram.			Safety Group			
k.		-	OHW Expansi	on Vessel		
		Zone Valv				
	4	Bypass Va				
		Diverter Va Fill / Drain				В
			Vessel Servi	ce Valve		
ements.	-	Expansion Isolation V		ce valve		
		Non-return				
		Y Strainer				
	10i	Flexible Co	onnection			\vdash
	10j	Magnetic F	Filter			
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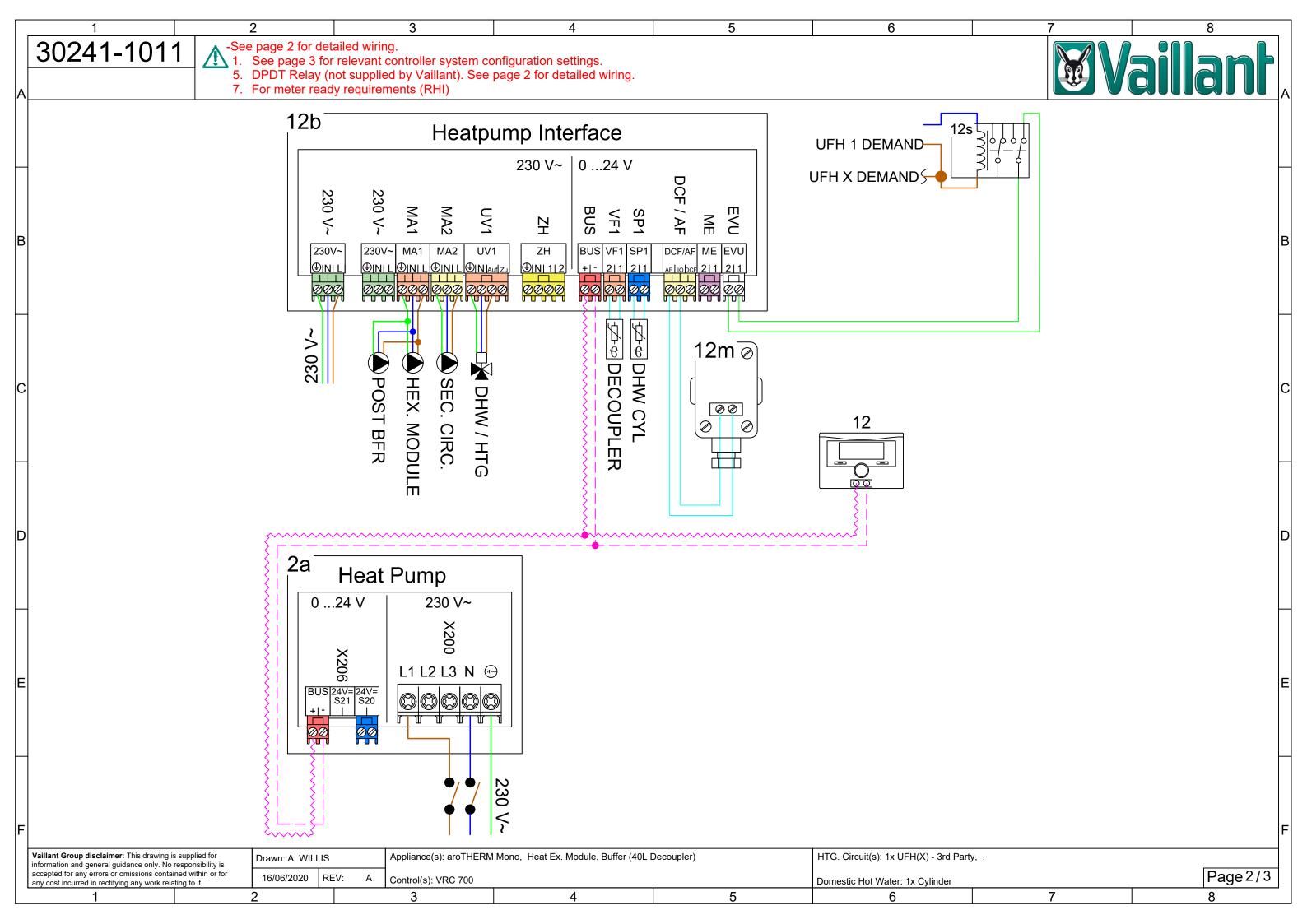




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	Max. target flow temperature:	45°											REV DAT
ſ	Set-back mode:	Normal											Domestic Co
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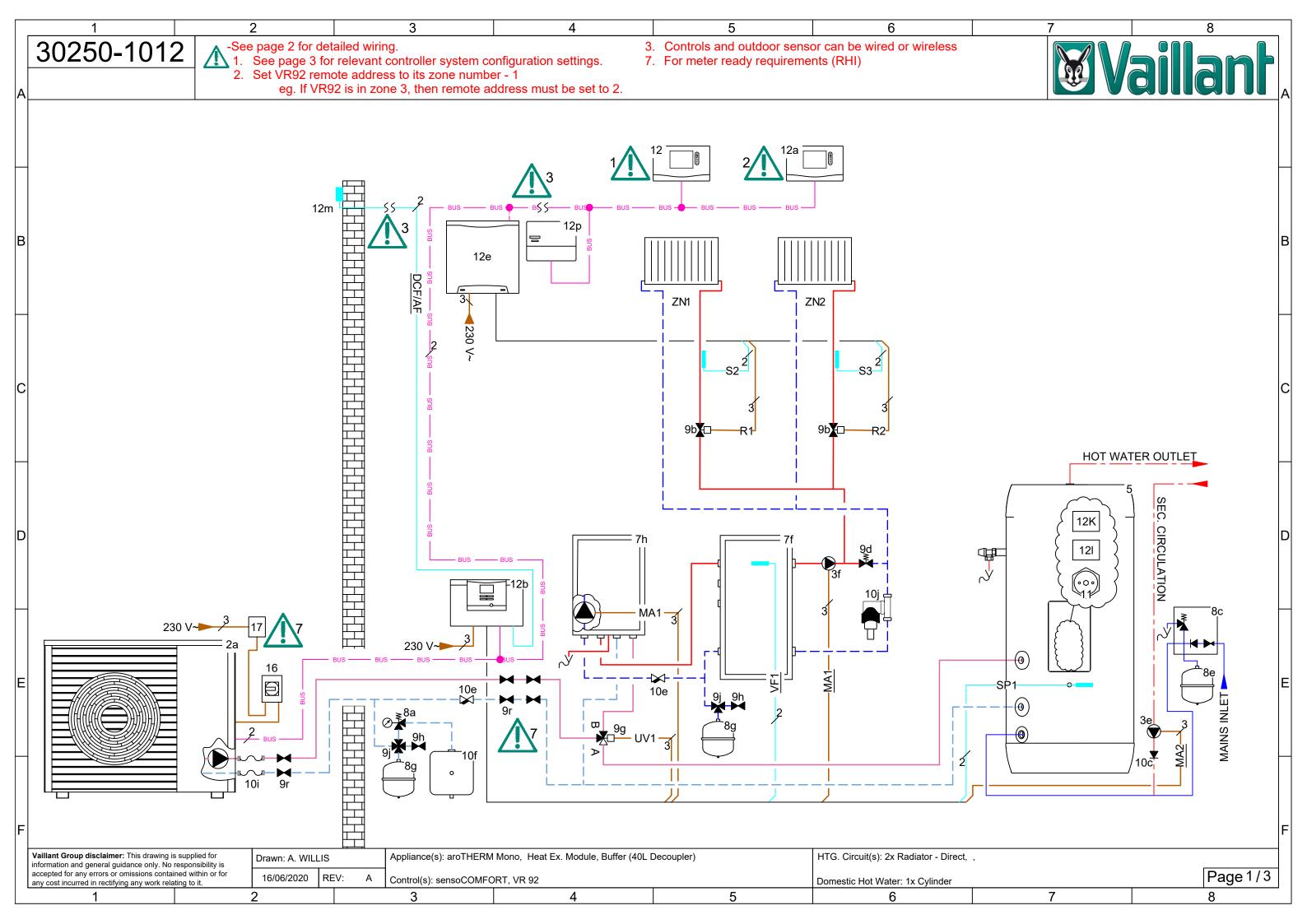
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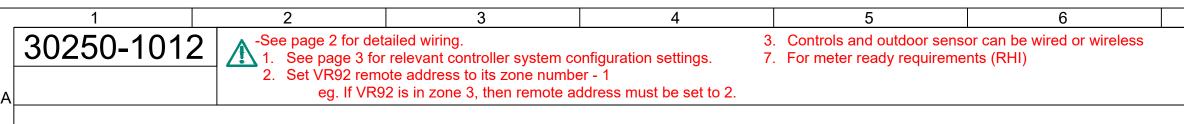


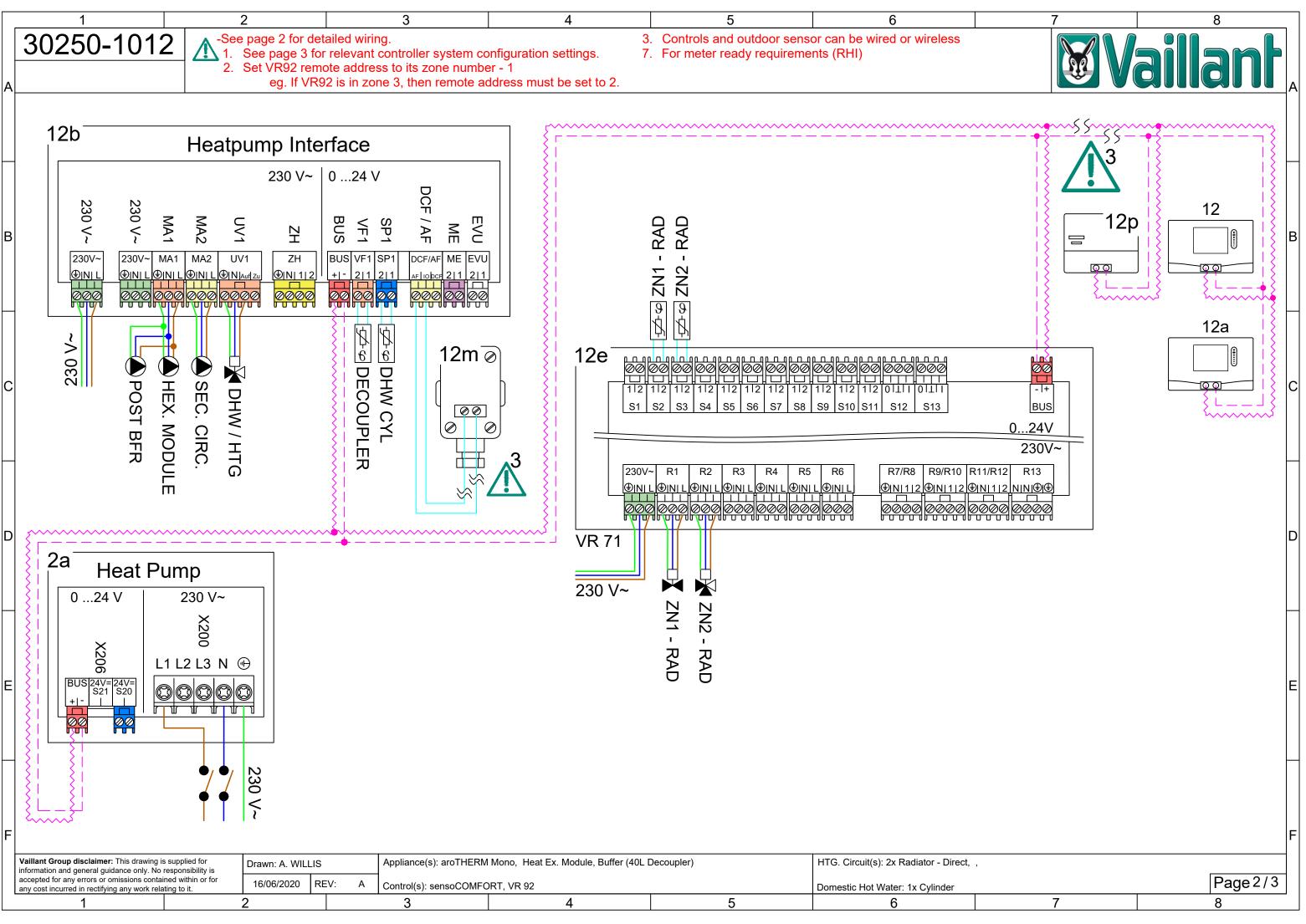


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agram. k. ments.	 17 HOL Decouplet 17 HOL Decouplet 17 HEX. Module 18 Pressure Relief Valve 18 DHW Inlet Safety Group 18 Heating / DHW Expansion Vessel 108 Brine Expansion Vessel 109 Bypass Valve 109 Diverter Valve 100 Fill / Drain Valve 100 Non-return Valve 	В
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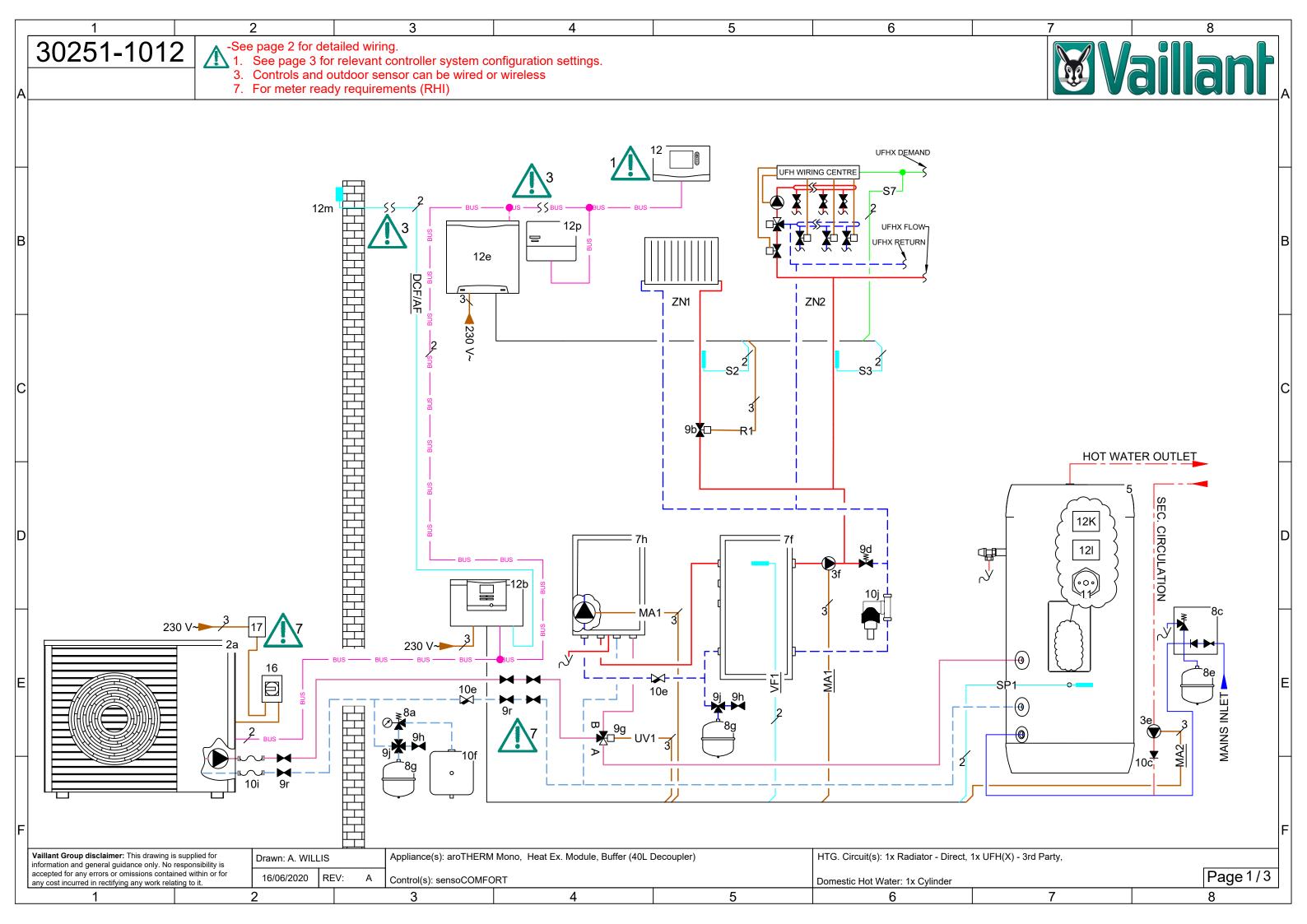


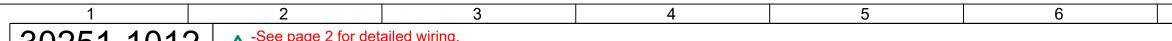




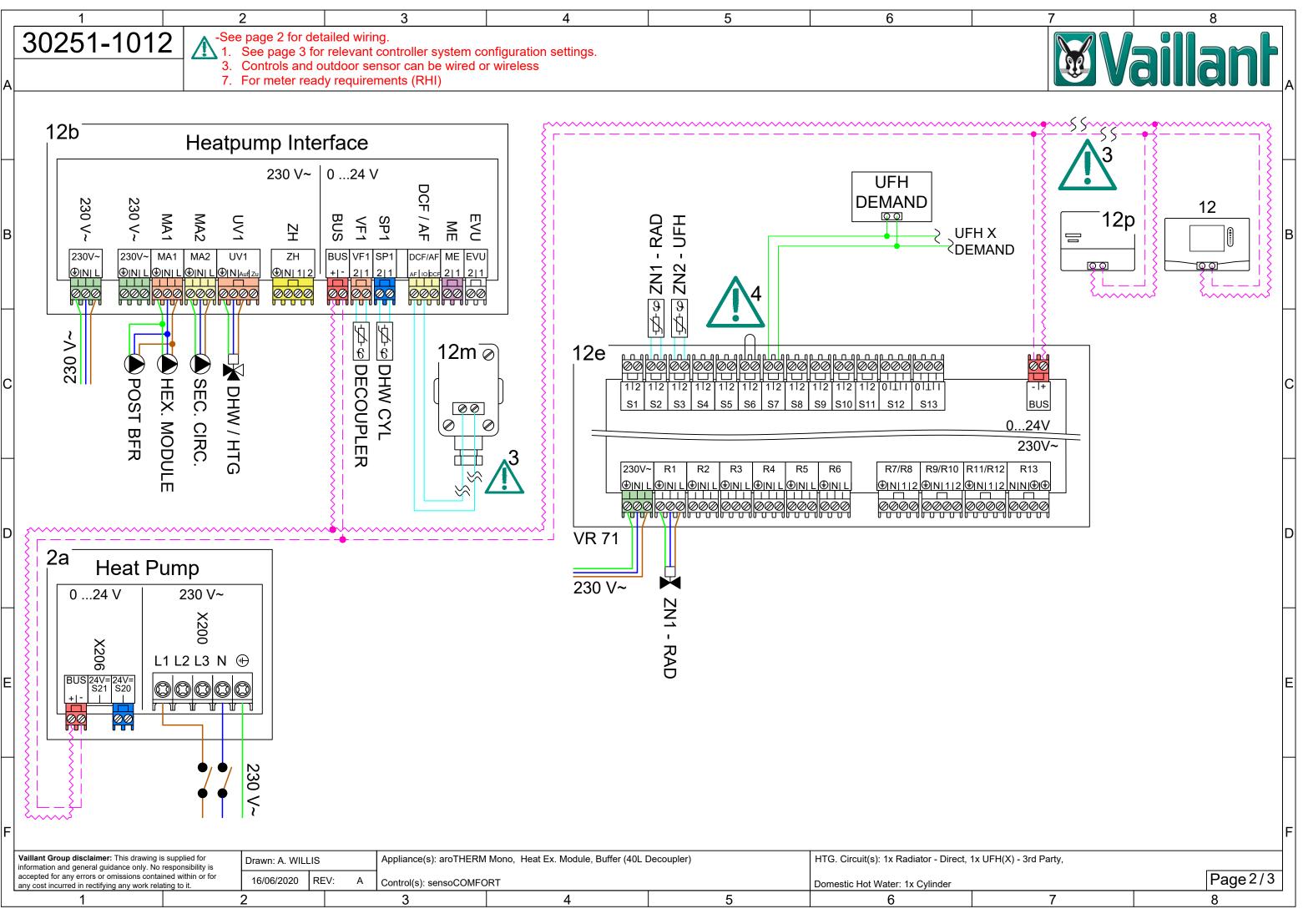
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	FM5 configuration: 3				Zone 2										
	FM5 MO: Not wor	rking		Zone act	tivated: Yes										
D	HP control module configu	iration		Zone assig	nment: Rem. co	ontr. 1									
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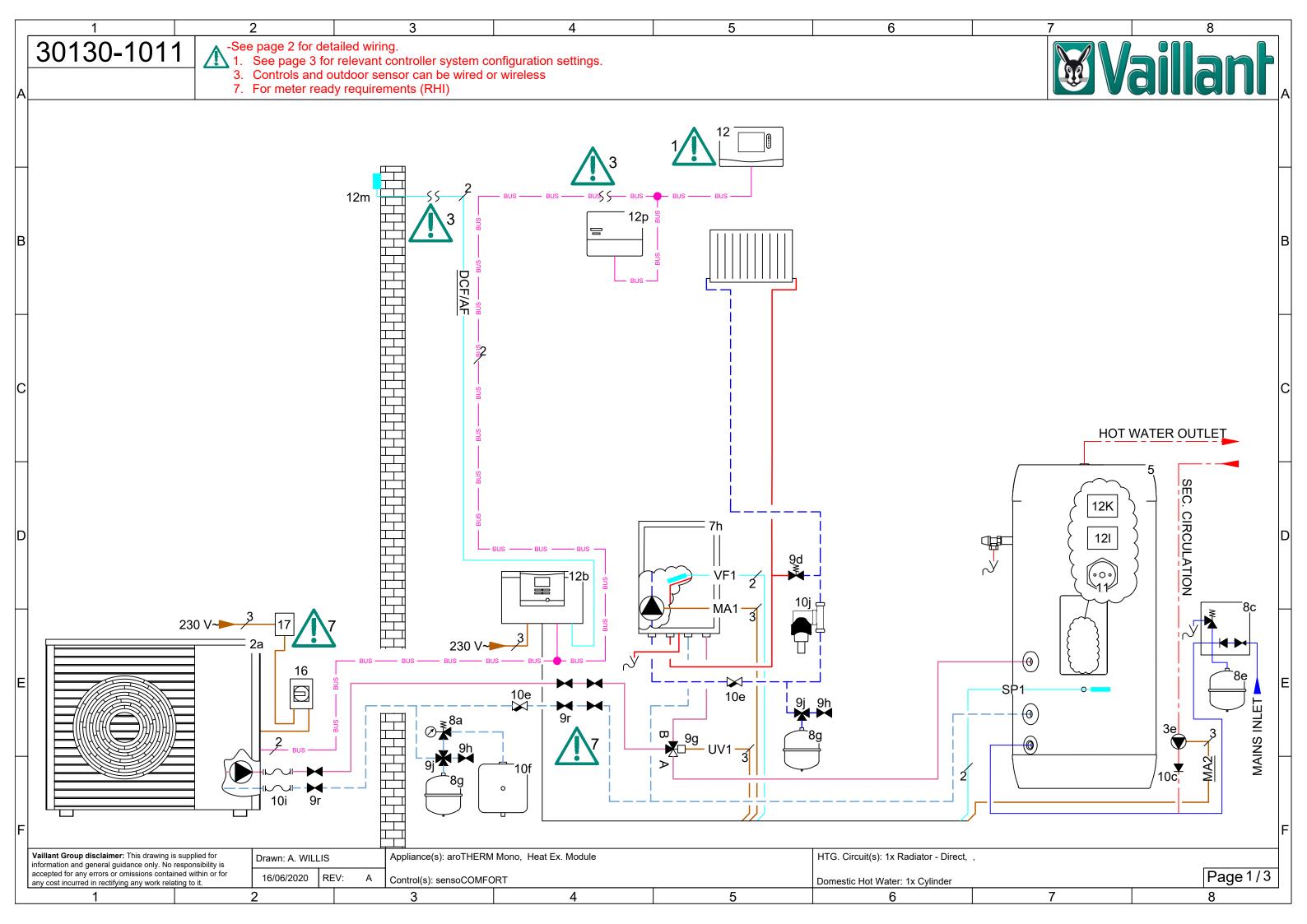


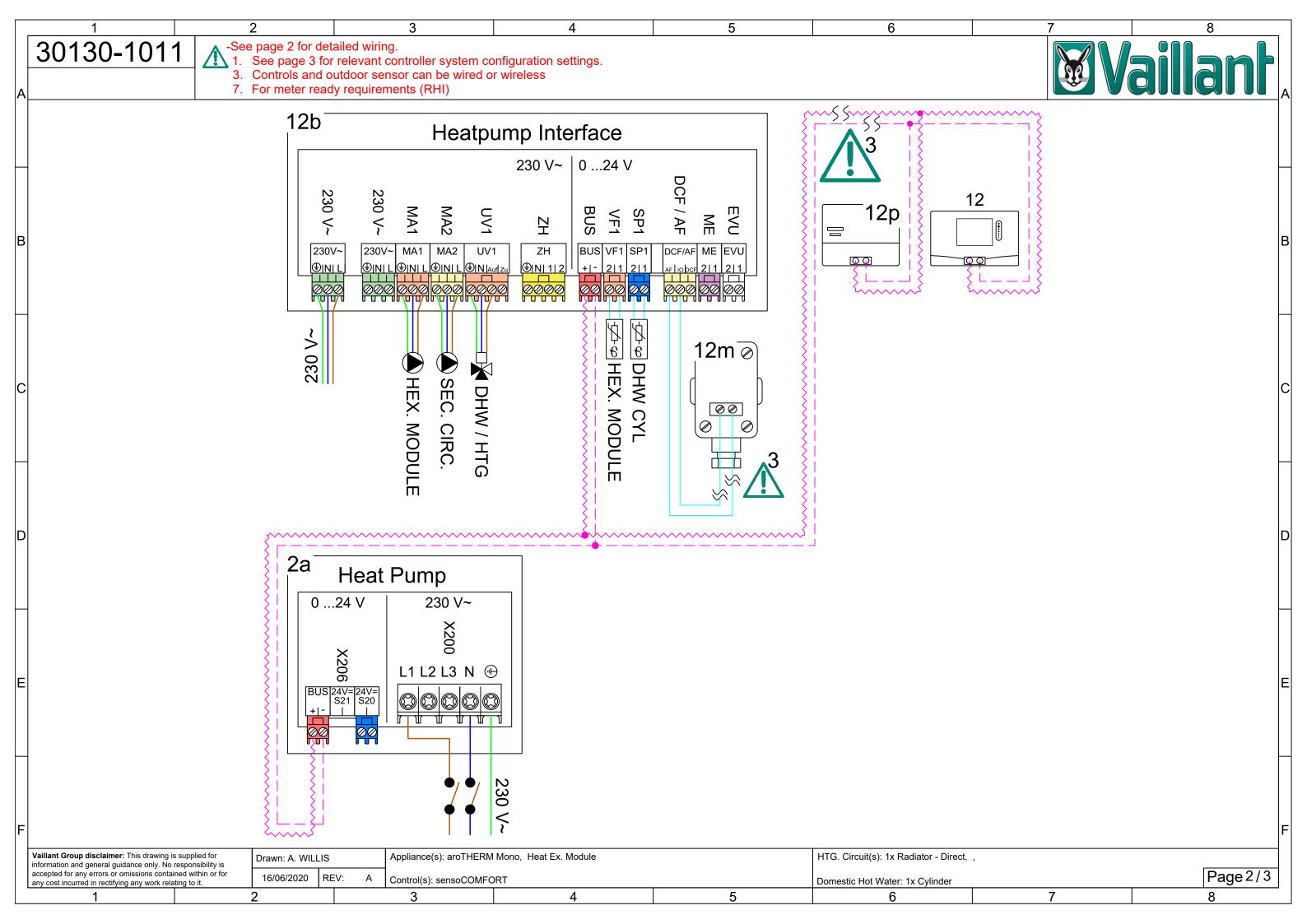
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D	HP control module	configu	uration			Zone assign	ment: N	lo assignmt									
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	Min. target flow temperature:				Су	yl. charg. anti-cycl.	time: 5	min									
	Max. target flow temperature:	45°															
Е	Set-back mode:	Norma	I														
	Room temp. mod.:	Expan	ded														
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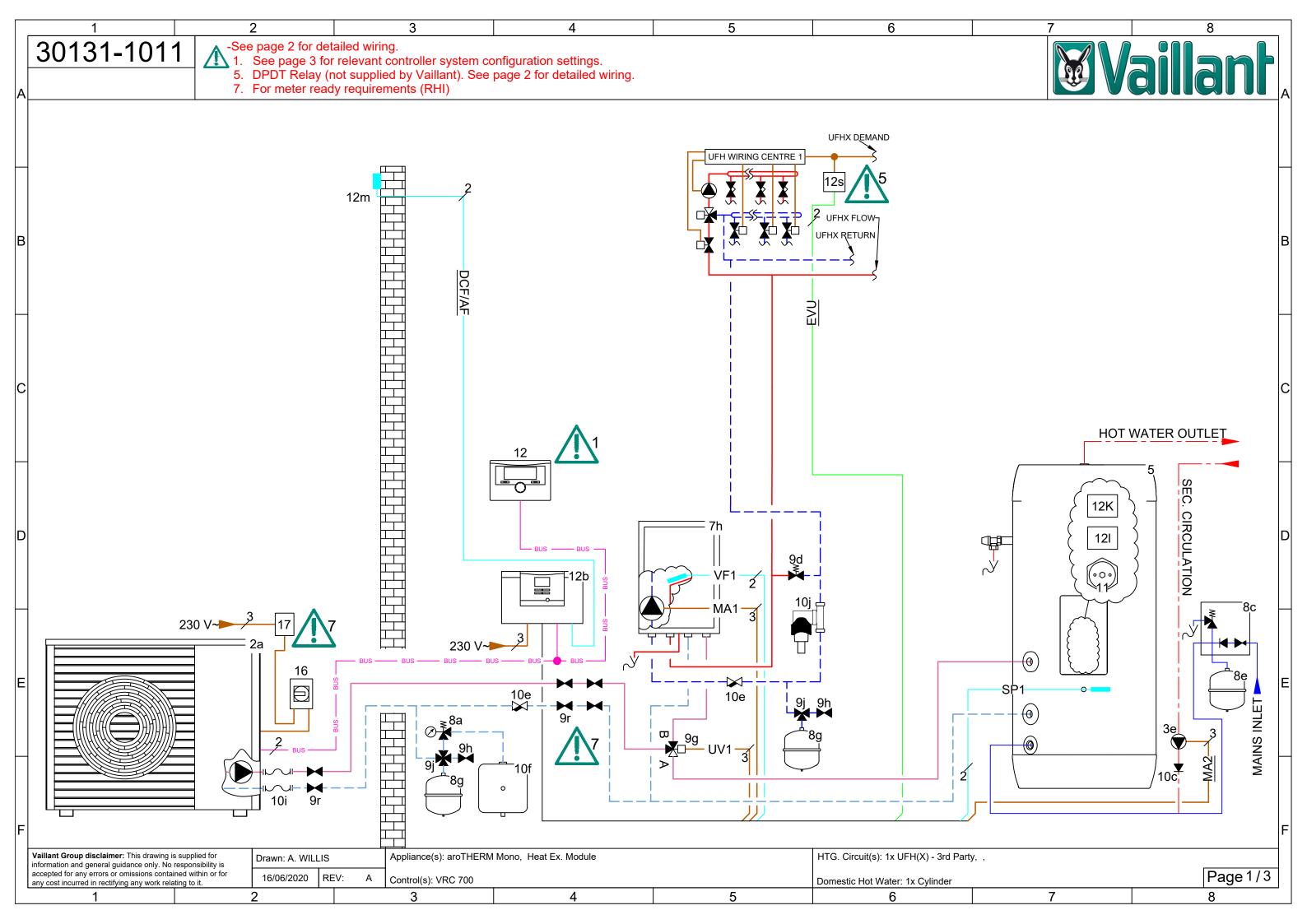
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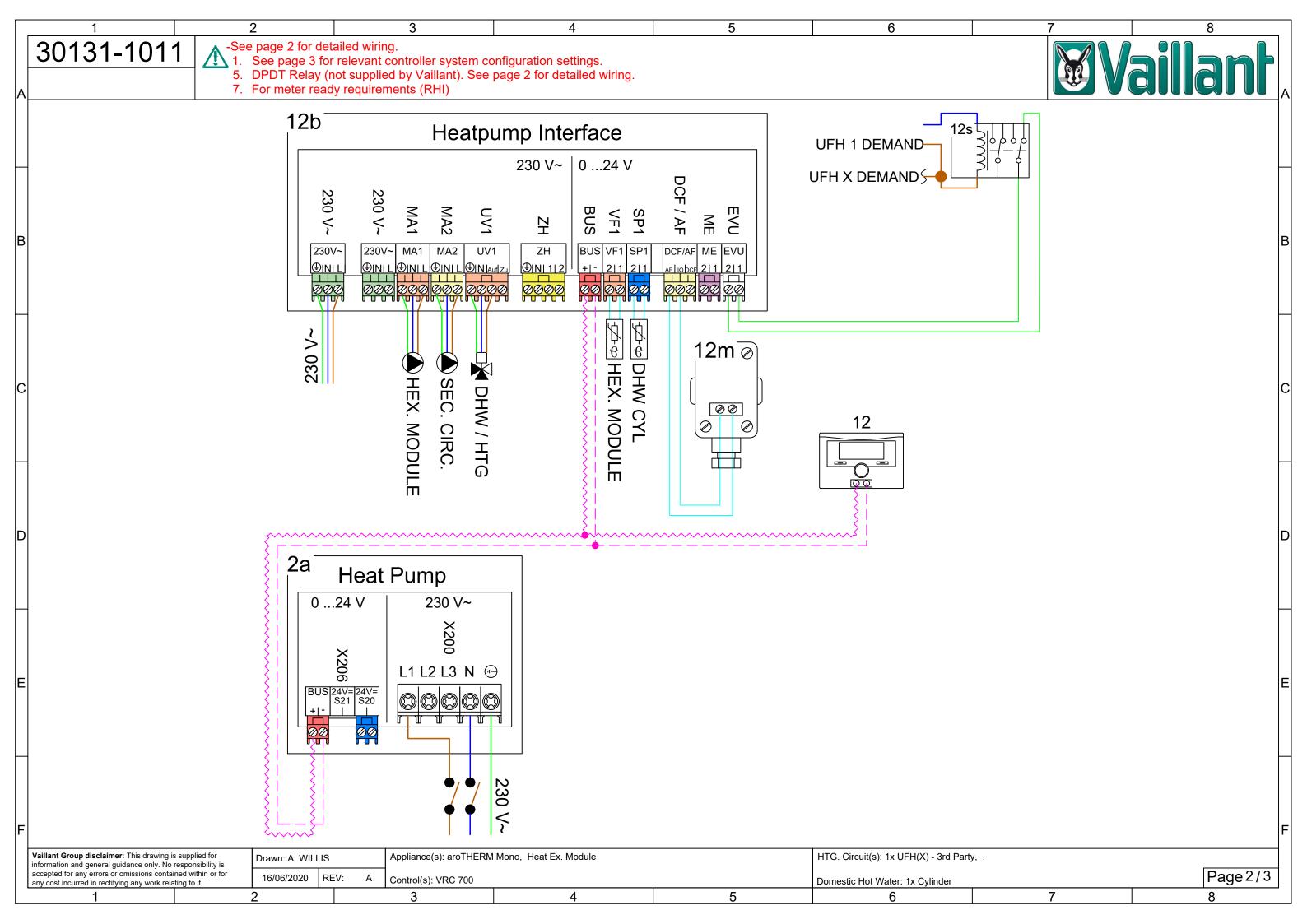




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	Back-up boiler:		-	1							
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	OT switch-off threshold:	30°		1							
	Heat curve:	**Site	e specific	1							
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	Max. target flow temperature:	45°		1							
	Set-back mode:	Norn	nal	1							
	Room temp. mod.:	Expa	anded	1							
Е	Zone1			1							
	Zone activated:	Yes		1							
	Zone assignment:	Cont	trol	1							
	Domestic hot	wate	er	1							
	Cylinder:	Activ	/e	1							
	Anti-legio. day:	**Us	er preference	1							
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	Cylinder charging offset:	15 K		1							
F	Cyl. charg. anti-cycl. time:	5 mir	n]							
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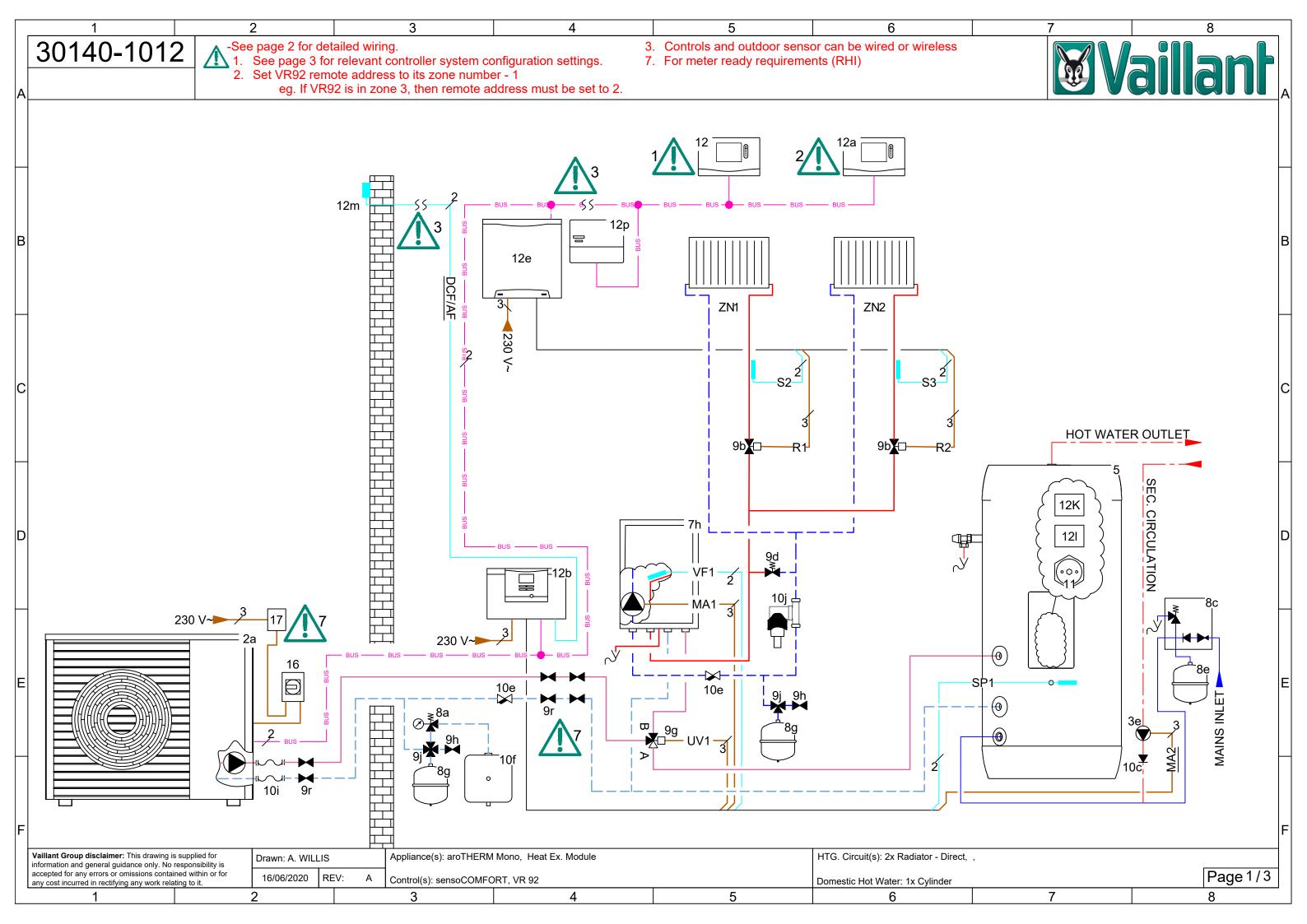
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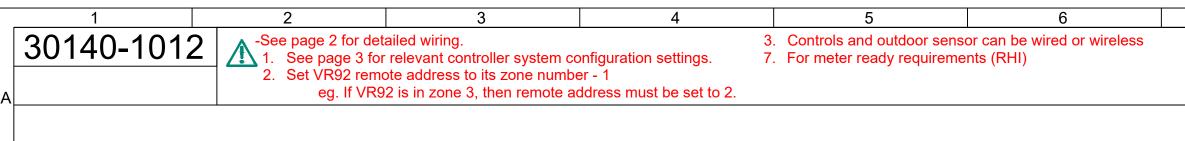


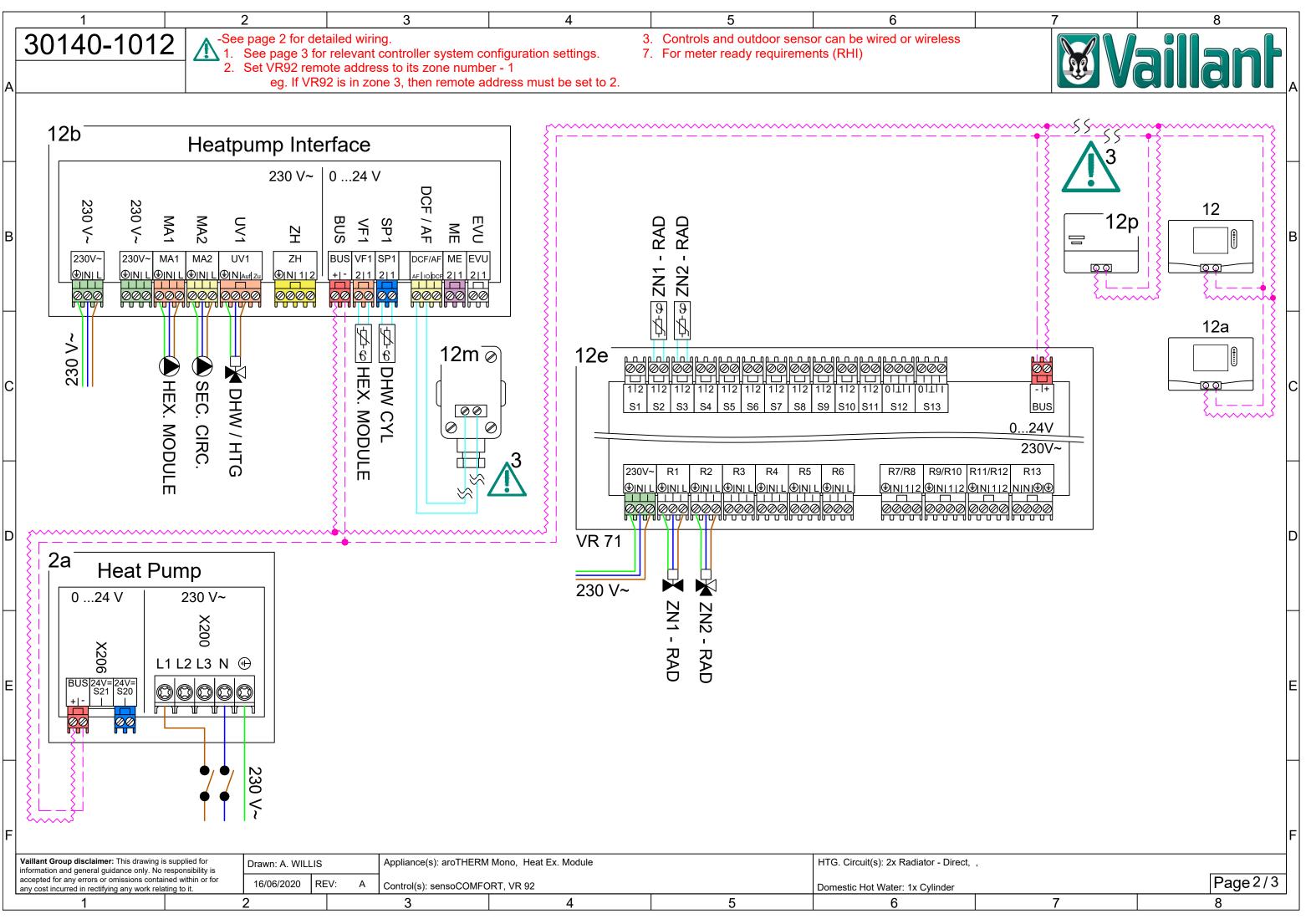


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	System			1						
1	Adaptive heat. curve	No		1						
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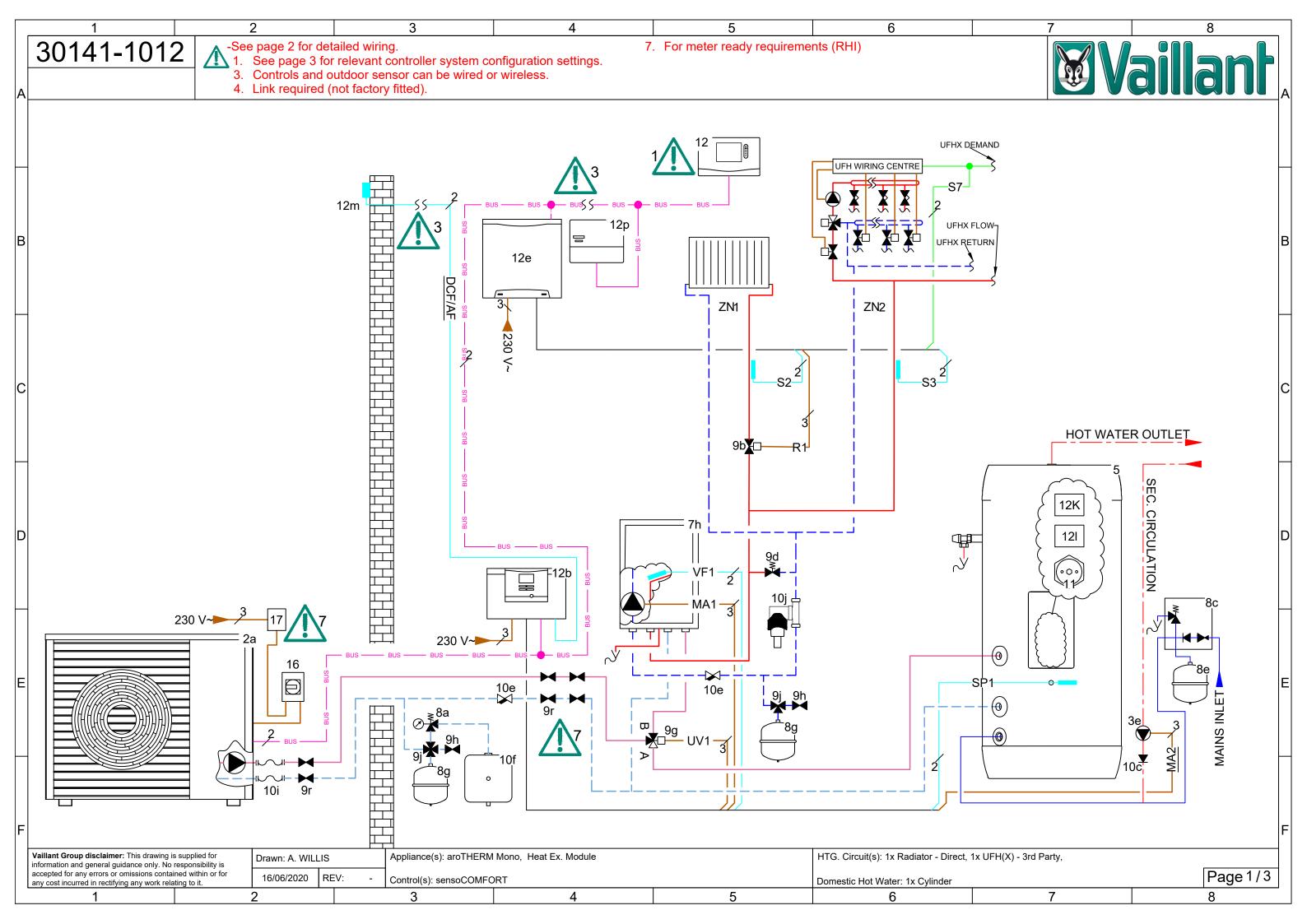


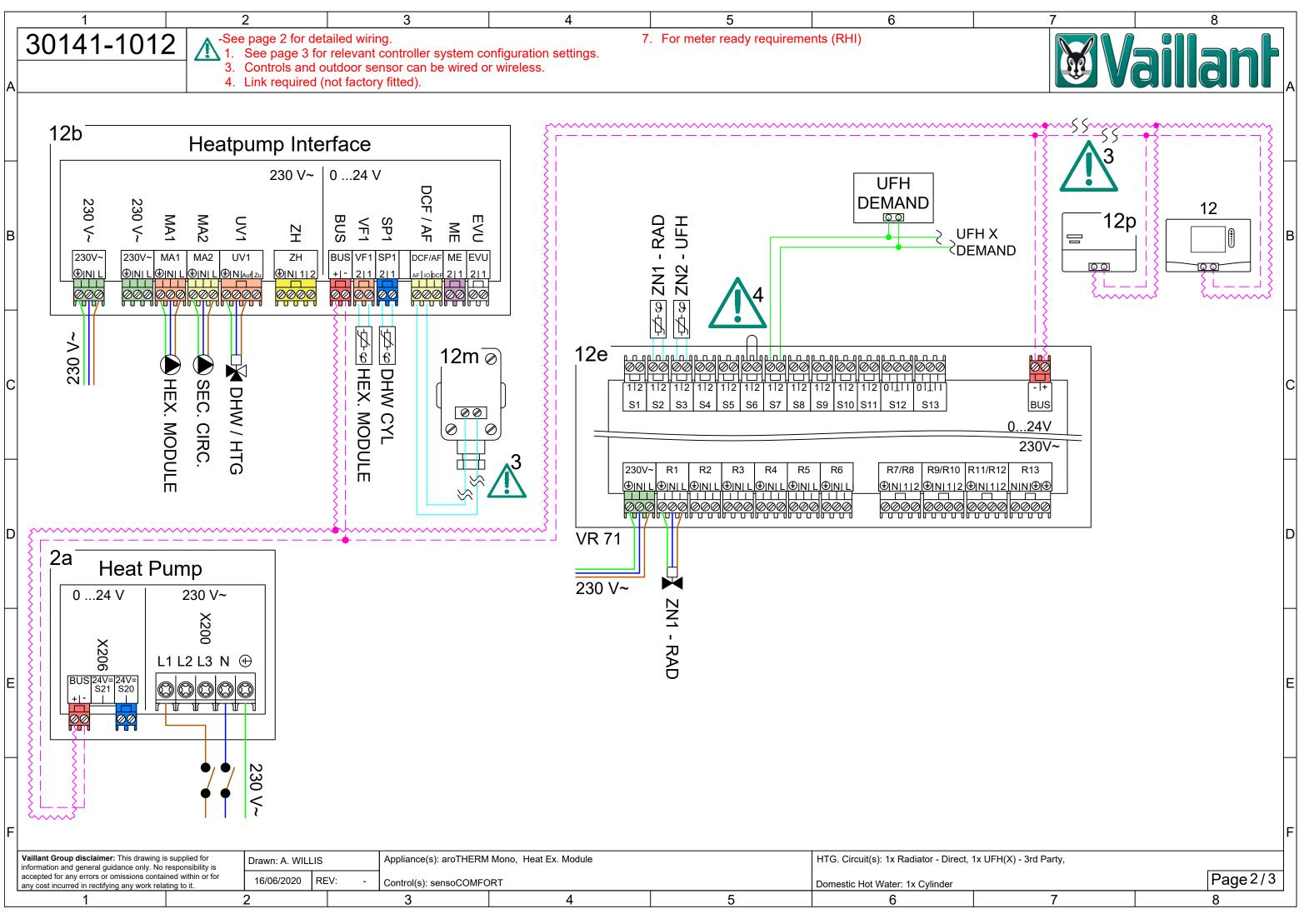




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		tations or warranties	s of any kind, expre	ess or implied about the co	ompleteness, accuracy, reliat	-	s or loss of profits) arising directly or indire r any purpose. Any reliance you place on t		-
				sensoCO	MFORT / VRO	C 700 System C	onfiguration		
	Not all settings are o	lisplayed, comn	nissioning of t	he controller should	d be done diligently; g	oing through each adjust	able option with consideration t	to the property and system rea	quireme
	Setting	Value		Setting	Value				
	Installati	on	►	Circ	cuit 2				
	Adapt. heat curve:	Deactivated		Circuit ty	pe: Heating				
	Hybrid manager:	Bivalence pt		OT switch-off thresho	old: 30°				
	Heating bivalence point:	-20°		Heat cur	ve: **Site specific				
L	DHW bivalence point:	-20°	M	in. target flow temperatu	ıre: 15°				
	Alternative point:	Off	Ma	ax. target flow temperatu	ıre: 45°				
	ESCO:	Heating off		Set-back mo	de: Normal				
	Back-up boiler:	Off		Room temp. mo	od.: Expanded				
	Conf. ext. input:	Bridge, deactiv.		Zo	ne 1				
ſ	Basic system diag	ram config.		Zone activat	ed: Yes	1			
	Basic system diagram code:	10		Zone assignme	ent: Control				
	FM3 configuration:	3		Zo	ne 2				
	FM3 MO:	Not working		Zone activat	ed: Yes	1			
	HP control module	configuration		Zone assignme	ent: Rem. contr. 1				
	MO 2:	Circulation pump		Domestic	hot water				
	Circuit	1			ler: Active				
F	Circuit type:	Heating	\neg -	Anti-legio. d		1			
┢	OT switch-off threshold:	<u> </u>	\dashv -	Anti-legio. tir		1			
	Heat curve:	**Site specific		Cylinder charging offs		1			
ŀ	Min. target flow temperature:			Cyl. charg. anti-cycl. tir		1			
┟	Max. target flow temperature:			, , , ,		L			
:۲	Set-back mode:								
F	Room temp. mod.:	Expanded							
1									
	Vaillant Group disclaimer: This draw		Drawn: A. W	ILLIS App	liance(s): aroTHERM Mono	o, Heat Ex. Module		HTG. Circuit(s): 2x Radiator - Direc	;t, ,
	information and general guidance only accepted for any errors or omissions c	ontained within or for	16/06/2020						
L	any cost incurred in rectifying any work 1	relating to it.	2		trol(s): sensoCOMFORT, \ 3	4 4	5	Domestic Hot Water: 1x Cylinder 6	
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FIED, GAS /I.	02 03e 05 07h	Secondary uniSTOR I HEX. Mod		-		А			
agram. k. •ments.	10c	DHW Inlet Heating / I Brine Expa Zone Valv Bypass Va Diverter Va Fill / Drain Expansion Isolation V Non-return Y Strainer	alve alve Valve Vessel Servi alve Valve	on Vessel		В			
	10i 10j 11 12 12a 12b 12e 12K 12l 12m	 12a VR92 12b Heat Pump Interface 12e Wiring Centre - VR 71 12K High Limit Cut Out 12l Cylinder Thermostat 							
	12p 16 17	Wireless F Rotary Iso Electric Me	lator			D			
				otary isolation added to or module.	2,E				
	A	15/06/2020	Immersion re	moved, secondary n pump added.	8,E	Н			
	REV	DATE			ZONE				
	Domestic Cold Water Domestic Hot Water Heating Flow Heating Return Glycol Flow Glycol Return 230/400V Wire Low Voltage Sensor Wire								
	eBUS eBUS Indica	Low Voltage eBUS Low Voltage Demand Signal eBUS + eBUS - Indicates Cable Junction Indicates No. of cable cores							
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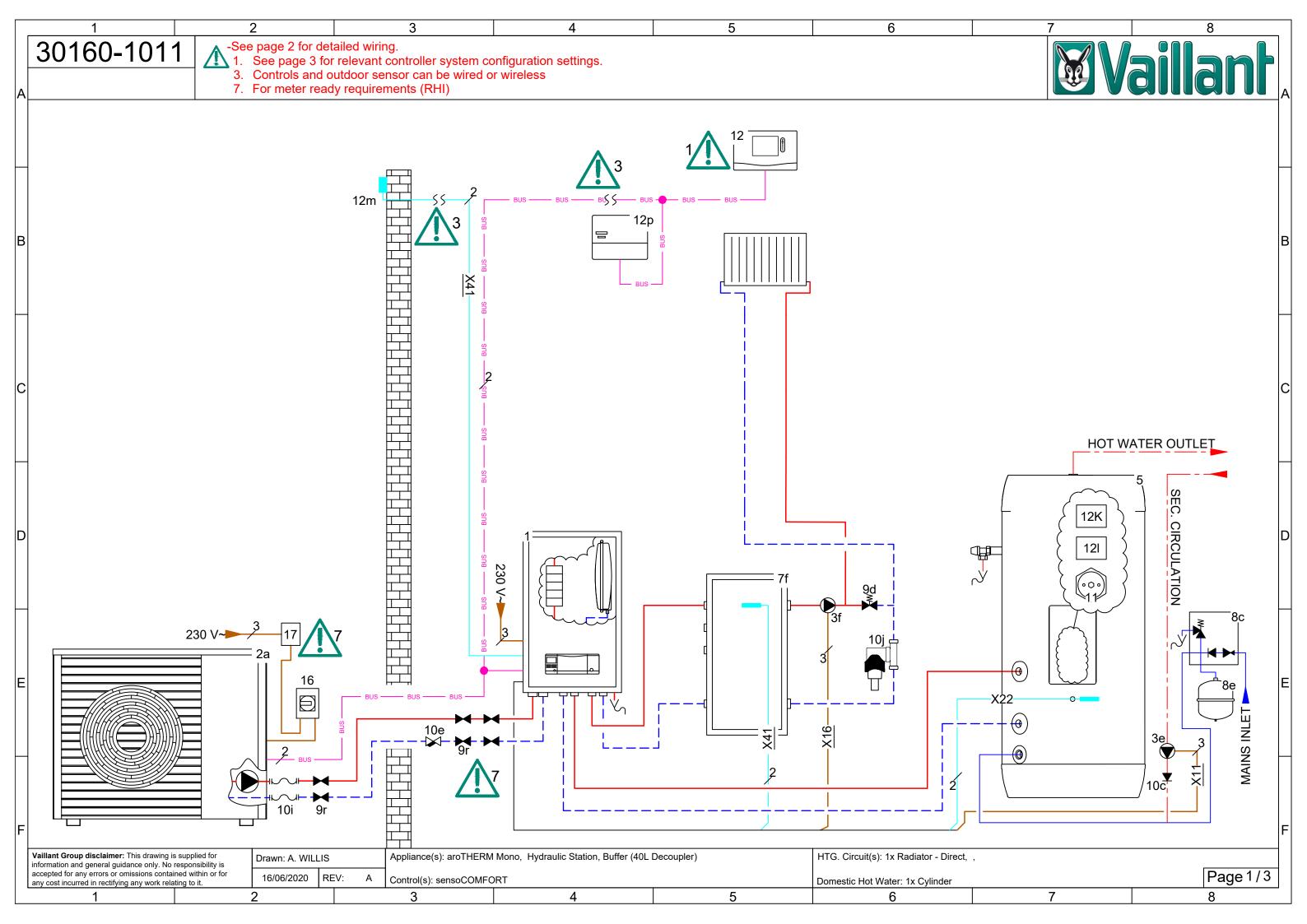


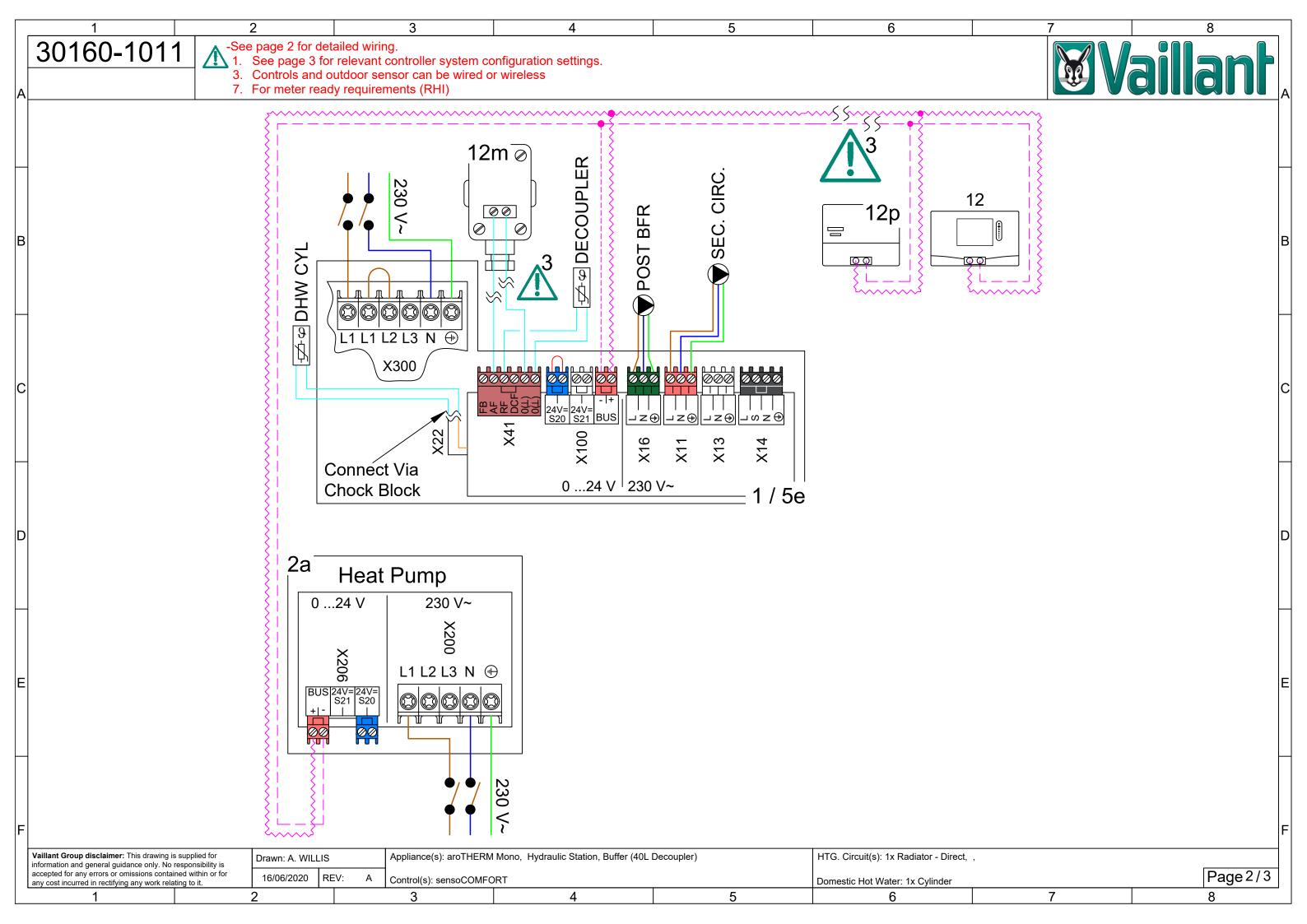


Vaillant Group disclaimer: This drawing is supplied for information and general guidance only. No responsibility is accorded for any errors or omissions contained within or for		Drawn: A. WILI	IS		Appliance(s): aroTHERM Mono, Heat Ex. Module					HTG. Circuit(s): 1x Radiator - Direct, 1x		
accepted for any errors or omissions contain any cost incurred in rectifying any work relat		16/06/2020	REV:	-	Control(s): sensoCOMFO	RT				Domestic Hot Water: 1x Cylinder		
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	30141-10	12					d Conditions for	Vailla	ant Schei	-	Irams		
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_	5. During the planning, design	n, installati	ion and later use	e of the syste	em, all operating instruction	ons must be followed.							
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	 Vaillant makes no represent These disclaimers and exc 						, reliability or suitability of the di	agram for	any purpose. An	y reliance you place	e on the diagram is	therefore strictly at your	[·] own risk.
	o. These disclaimers and exc	10510115 511	iali be governed	by and cons		English law.							
В					sensoCO	MFORT / V	RC 700 Syste	m Co	onfigura	ation			
	Not all settings are o	displaye	d, commiss	ioning of	the controller shou	Ild be done diliger	ntly; going through each	adjusta	able option w	/ith considerati	ion to the prop	perty and system r	equirem
	Setting	, ·	Value		Setting	Value							
	Installati	1		┌╼┤	Ci	rcuit 2							
	Adapt. heat curve:					type: Heating							
	Hybrid manager:		ce pt		OT switch-off thres								
	Heating bivalence point:	-20°			Heat c								
С	DHW bivalence point:	-			Min. target flow tempera	-							
	Alternative point:		-#		lax. target flow tempera								
		Heating	off		Set-back m								
	Back-up boiler:				Room temp. n								
	Conf. ext. input:	· ·				one1							
	Basic system diag	-	ntig.		Zone activa								
	Basic system diagram code:				Zone assignn								
	FM5 configuration: FM5 MO:		king			one2							
D	HP control module		-		Zone active	nent: No assignmt							
	MO 2:	- 1	ion pump										
						c hot water							
	Circuit Circuit type:				Anti-legio.								
	OT switch-off threshold:				Anti-legio.								
	Heat curve:	**Site sp	pecific		Cylinder charging o	-							
	Min. target flow temperature:				Cyl. charg. anti-cycl.								
	Max. target flow temperature:				, , , ,								
Е	Set-back mode:												
	Room temp. mod.:	Expande	ed										
F													
	Vaillant Group disclaimer: This draw information and general guidance only			Drawn: A. V	VILLIS Ap	pliance(s): aroTHERM	1 Mono, Heat Ex. Module				HTG. Circi	uit(s): 1x Radiator - Dire	ect, 1x UF
	accepted for any errors or omissions of any cost incurred in rectifying any wor	ontained wit	thin or for	16/06/202	0 REV: - Co	ontrol(s): sensoCOMF(DRT				Domestic I	Hot Water: 1x Cylinder	
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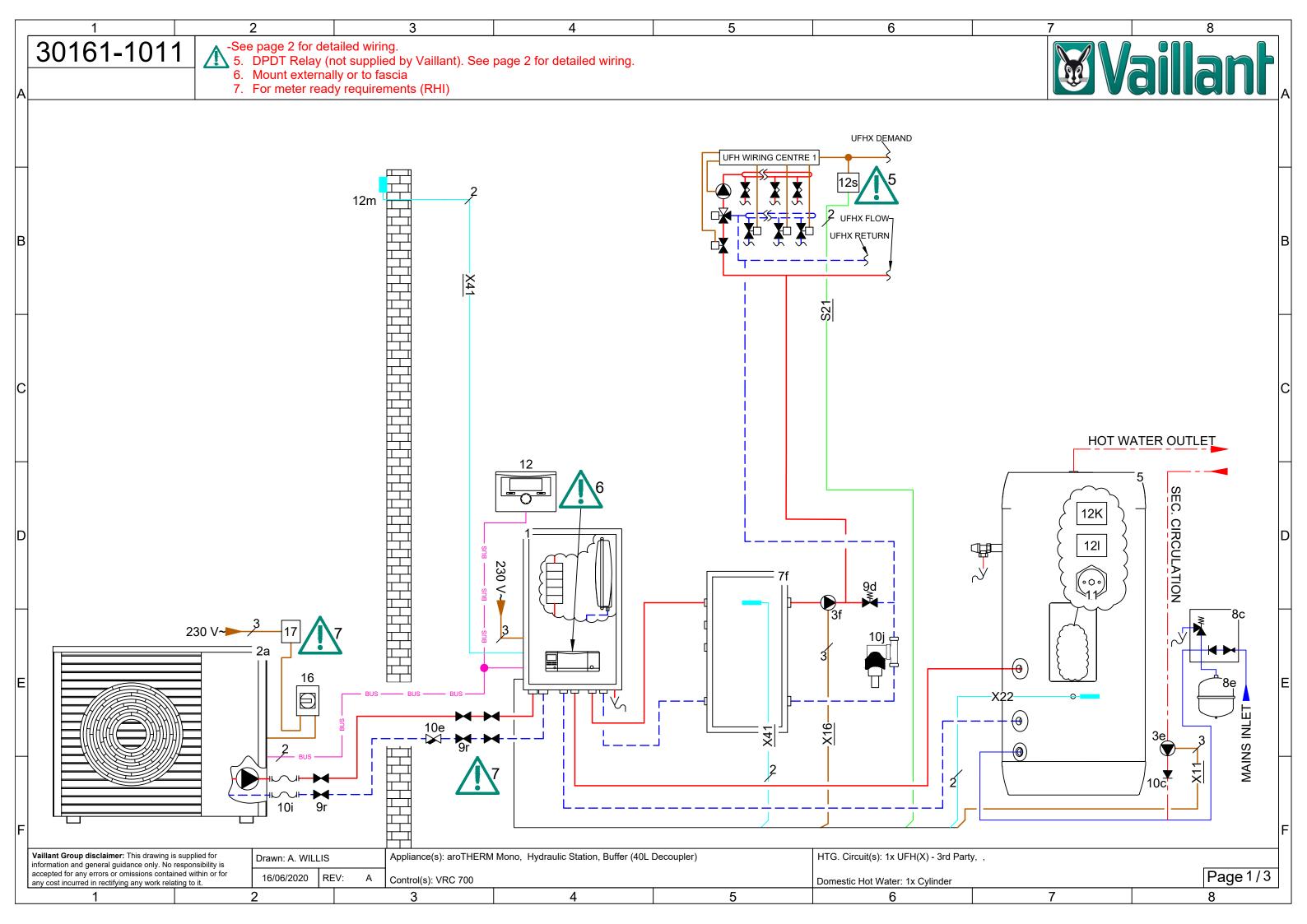
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		Zone Valv				
	09d	Bypass Va	lve			
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		Fill / Drain				
ements.		-	Vessel Servi	ce Valve		
		Isolation V Non-return				
		Y Strainer				
	-	Brine Colle	ection Tank			
	10i	Flexible Co	onnection			
	-	Magnetic F				
	11 12	Immersion sensoCOM				
		Heat Pump	-			
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		High Limit				
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			emperature S	ensor		
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		i	Electric Meter & ro	tany isolation added to		
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	eBUS	-				
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	Indica	tes No. of (cable cores	`		F
JFH(X) - 3rd P	arty,					
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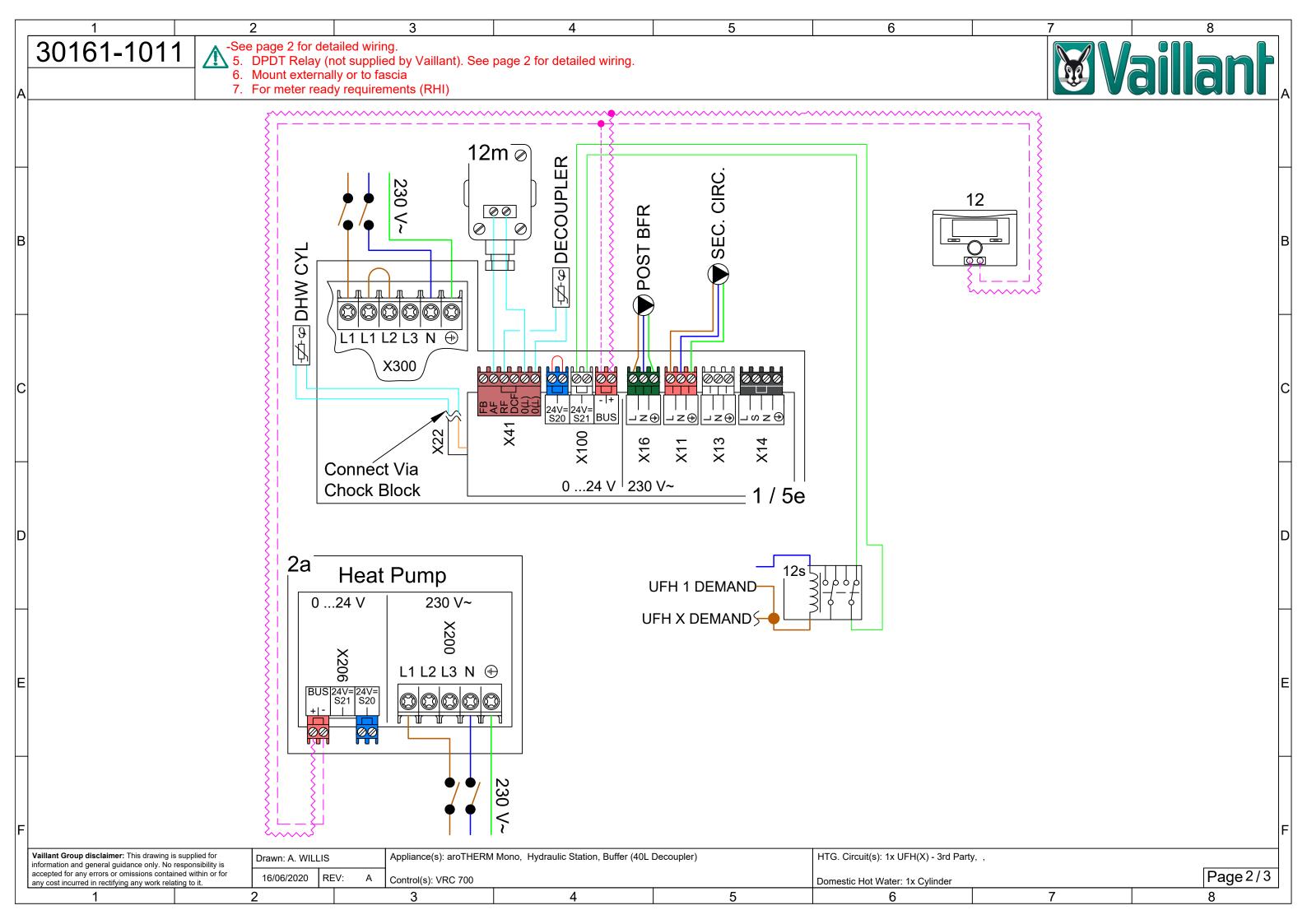




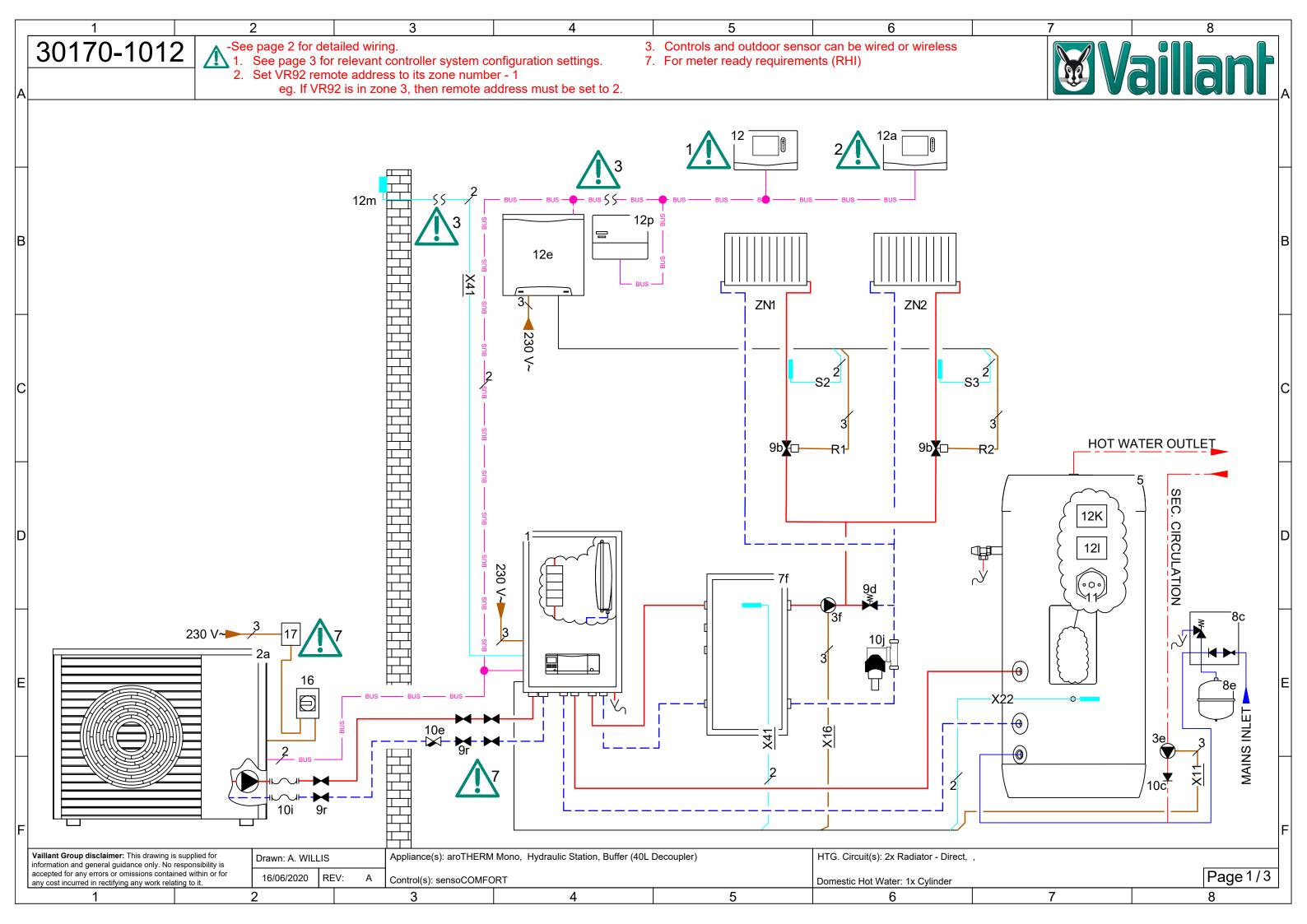
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					senso	COMFORT	/ VRC 700 \$	System Co	onfiguration		
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	Setting	V	/alue								
	Installatio	on		1							
	Adapt. heat curve:		ted	1							
	Hybrid manager:	Bivalence	e pt	-							
	Heating bivalence point:	-20°	-	-							
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	ESCO:	Heating c	off	-							
		Off		-							
	Conf. ext. input:	Bridge, d	eactiv.	-							
-	Basic system diag										
E	Basic system diagram code:										
	HP control module of	-	ation								
_	MO 2:	Circulatio									
┝	Circuit		, pump								
	Circuit type:										
	OT switch-off threshold:			-							
	Heat curve:	**Site spe	acific	-							
		15°	Bollic	-							
	ax. target flow temperature:			-							
		Normal		-							
\vdash	Room temp. mod.:	Expande	d	-							
-	· .		u								
F	Zone 1										
\vdash	Zone activated:			-							
	Zone assignment:										
	Domestic hot										
	-	Active		-							
	Anti-legio. day:	•	reference	-							
	Anti-legio. time:	**User pr	eference	-							
┝	Cylinder charging offset:			-							
F	Cyl. charg. anti-cycl. time:	5 min]							
	illant Group disclaimer: This drawing or mation and general guidance only.	No responsi	ibility is	Drawn: A. WILL		Appliance(s): aroTh	IERM Mono, Hydraulic	Station, Buffer (40L I	Decoupler)	HTG. Circuit(s): 1x Radiator - Direct,	3
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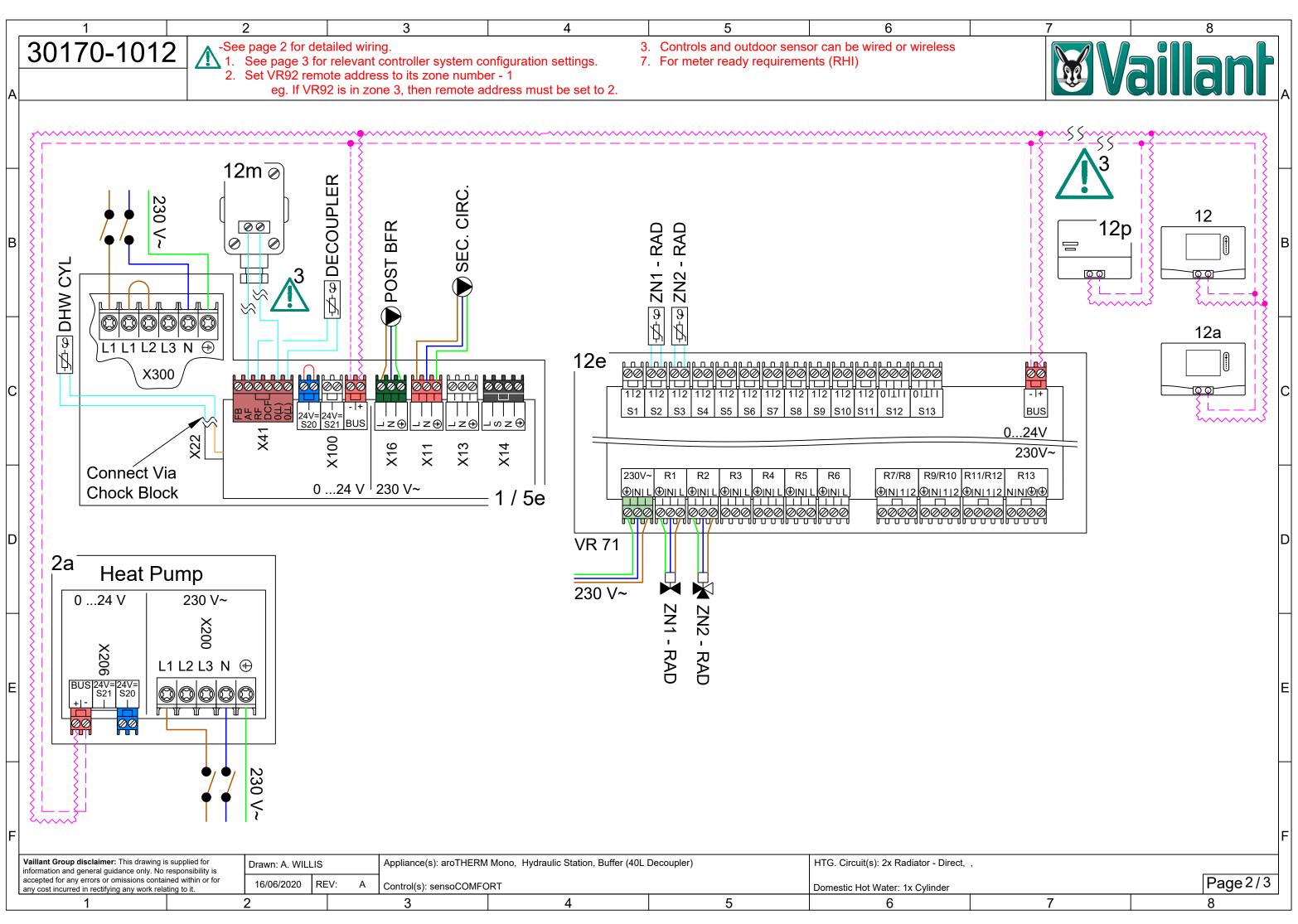
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	121	Cylinder TI	hermostat emperature S Reciever lator	ensor		С
						D
			Electric Meter & ro	tary isolation added to		
	A	16/06/2020		or module.	2,E	
	Dome Heatir Heatir Glyco Glyco	I I I estic Cold W estic Hot Wa ng Flow ng Return I Flow I Return	/ater			E
	Low V Low V eBUS eBUS	;+	JS nand Signal			
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3	80161-101				d Conditions for Vailla	-				llant	
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1. 2.	All applicable laws and reguter The Diagram may be subject								02 aroTHERM Monobloc 03f General Pump	ĸ	
3.		-		nation and drawings provided to it and up	on which it relies when constructing the dia	agrams.			05e uniTOWER		
4.		-			5	5			07f 40L Decoupler		
5.	During the planning, design	, installation and later u	se of the system, all o	perating instructions must be followed.					08c DHW Inlet Safety Gro 08e Heating / DHW Expar	•	Н
6.	In no circumstances shall V	aillant be liable to you o	r any other third parti	es for any loss or damage (including, wit	nout limitation, damage for loss of business	or loss of profits) arising directly or indire	ectly from your use of or inability to use, thi	s diagram.	09b Zone Valve		
7.					y, reliability or suitability of the diagram for	any purpose. Any reliance you place on t	he diagram is therefore strictly at your owr	n risk.	09d Bypass Valve		
8.	These disclaimers and exclusion	usions shall be governe	d by and construed in	accordance with English law.					09r Isolation Valve 10e Y Strainer		
В			S	ensoCOMFORT / \	/RC 700 System Co	onfiguration			10iFlexible Connection10jMagnetic Filter		В
	Not all settings are d	isplayed, commis	sioning of the c	ontroller should be done dilige	ntly; going through each adjusta	able option with consideration t	o the property and system requ	iirements.	12 sensoCOMFORT 12e Wiring Centre - VR 7	1	
	Setting	Value							12m Outdoor Temperature		
	System	l							12p Wireless Reciever		Ш
	Adaptive heat. curve		4						16 Rotary Isolator17 Electric Meter		
	Configure heat. circ.	Zone1									
		Bivalence pt									
<u> </u>		-20°									C
Ŭ		-20°	4								Ĭ
			4								
	Auxiliary heater for		-								
	System diagram co	-	-								Ц
	System diagram		-								
	Additional m		-								
	Multi-function.output2 Aux. heater output		-								
D—	HEATING	-									D
	Type of circuit		-								
	Max limit outs.temp.	-	-								
	Heating curve	**Site specific	-								
	Minimum temperature	15°	1						A 16/06/2020 Electric Meter	& rotary isolation added to 2,E tdoor module.	\dashv
	Maximum temperature	45°	1							SCRIPTION ZONE	E
	Auto Off mode	Eco	1						Domestic Cold Water	<u> </u>	=
	Room temp. mod.	None							Domestic Hot Water Heating Flow]
E	Zone1								Heating Return Glycol Flow		E
	Zone activated:		4						Glycol Return		•
	Zone assignment:	Without	4						230/400V Wire		_
	DHW circu		4						Low Voltage Sensor Wire Low Voltage eBUS	RUS	
\square	Cylinder		4						Low Voltage Demand Signa		-11
	Anti-legionella day	**User preference	4						eBUS + eBUS -		41
	-	**User preference	4						Indicates Cable Junction		
┢╴	DHW req. anti-cy time		4							3	
' <u> </u>			J 						Indicates No. of cable cores		
infor	ant Group disclaimer: This drawi mation and general guidance only.	No responsibility is	Drawn: A. WILLIS	Appliance(s): aroTHER	M Mono, Hydraulic Station, Buffer (40L	Decoupler)	HTG. Circuit(s): 1x UFH(X) - 3rd Part	/ , ,			
	pted for any errors or omissions co cost incurred in rectifying any work	relating to it.		EV: A Control(s): VRC 700			Domestic Hot Water: 1x Cylinder			Page 3/3	<u>،</u>
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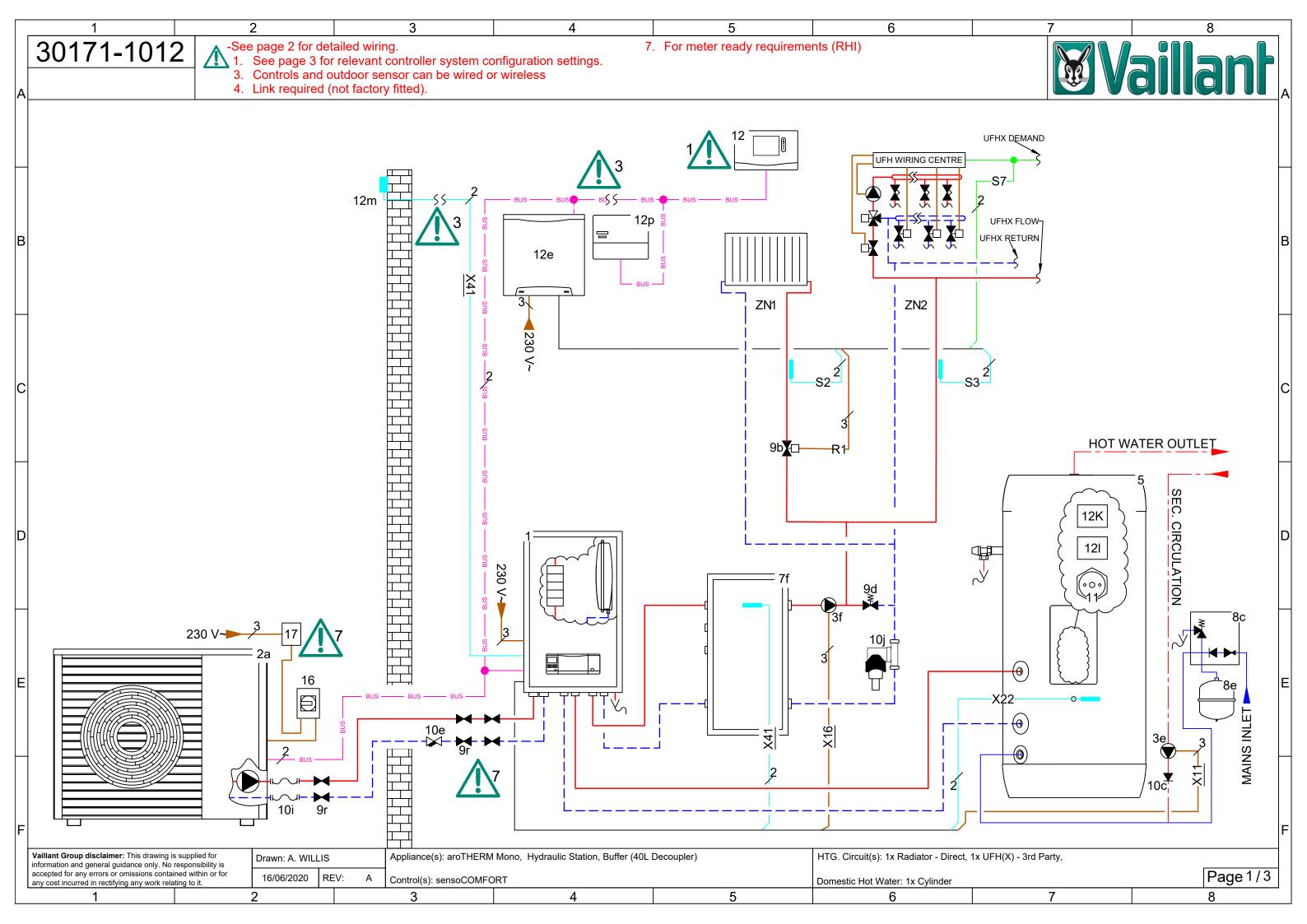


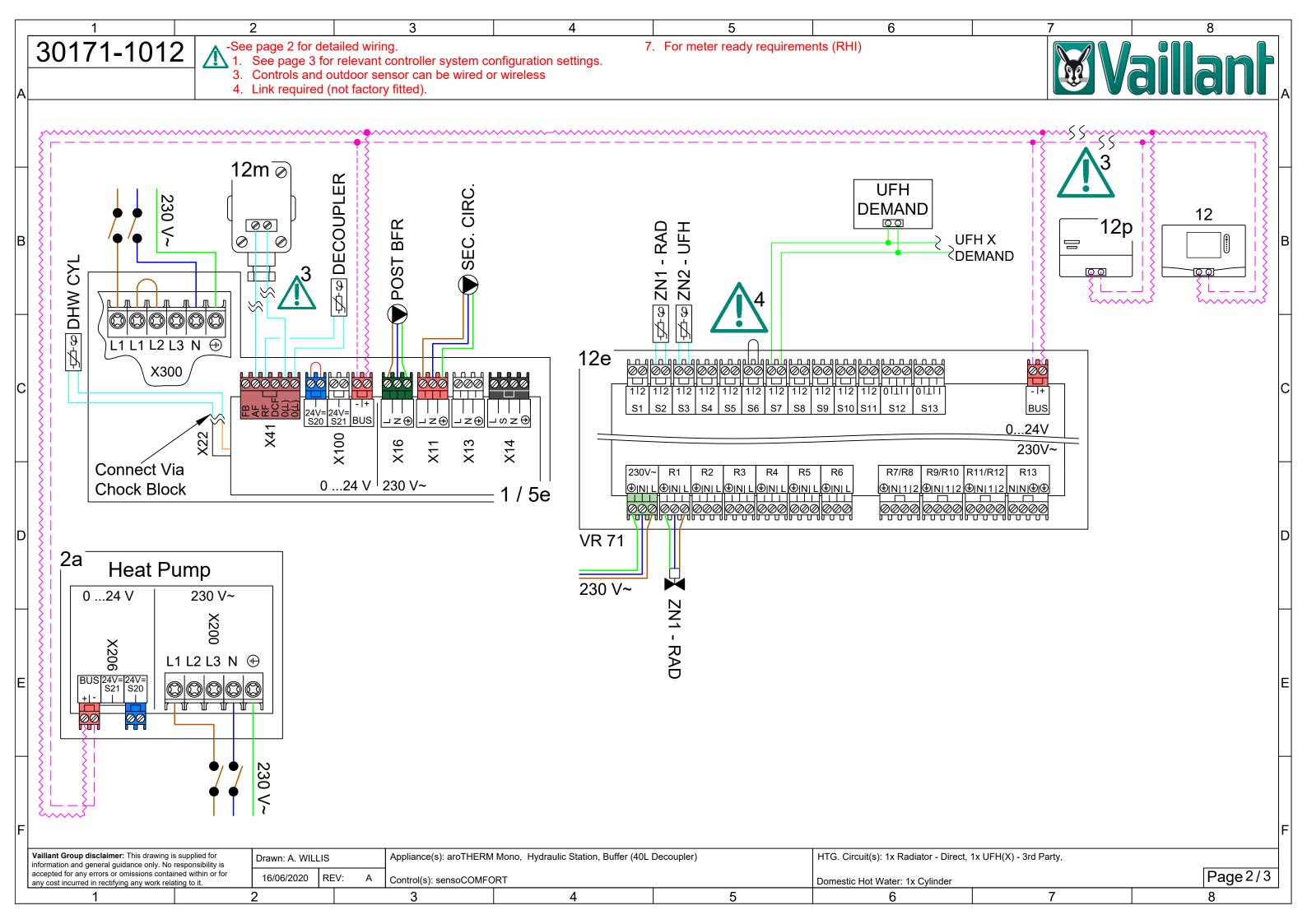


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accepted for any errors or omissions contai any cost incurred in rectifying any work rela	16/06/2020	REV:	А	Control(s): sensoCOMFC	RT			Domestic Hot Wat	ter: 1x Cylinder	
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В			-				70 700 Queter				
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	6	display	/ed, commissio	ning of t		e done diligent	y; going through each ac	djusta	ble option with consideration t	o the property and system requ	Jiren
	Setting		Value		Setting	Value					
	Installati	on		┌►	Zone1						
	Adapt. heat curve:	Deacti				Yes					
	Hybrid manager:	Bivale	ence pt		Zone assignment:	Control					
	Heating bivalence point:	-20°			Zone 2	2					
С	DHW bivalence point:	-20°			Zone activated:	Yes					
Ŭ	Alternative point:	Off			Zone assignment:	Rem. contr. 1					
	ESCO:	Heatin	ng off		Domestic hot	water					
	Back-up boiler:	Off			Cylinder:						
	Conf. ext. input:		e, deactiv.		Anti-legio. day:	**User preference					
	Basic system diag	-	onfig.		Anti-legio. time:	**User preference	•				
	Basic system diagram code:				Cylinder charging offset:						
	HP control module				Cyl. charg. anti-cycl. time:	5 min					
D	MO 2:		ation pump								
	Circuit	1									
	Circuit type:		ng								
	OT switch-off threshold:	L									
	Heat curve:	L	specific								
	Min. target flow temperature:	15°									
	Max. target flow temperature:										
	Set-back mode:										
	Room temp. mod.:	Expan									
	Circuit	-									
	Circuit type:		ıy								
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	Heat curve:		specific								
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	accepted for any errors or omissions of any cost incurred in rectifying any worl	ontained	within or for	6/06/2020	REV: A Control(s): sensoCOMFOF	RT			Domestic Hot Water: 1x Cylinder	
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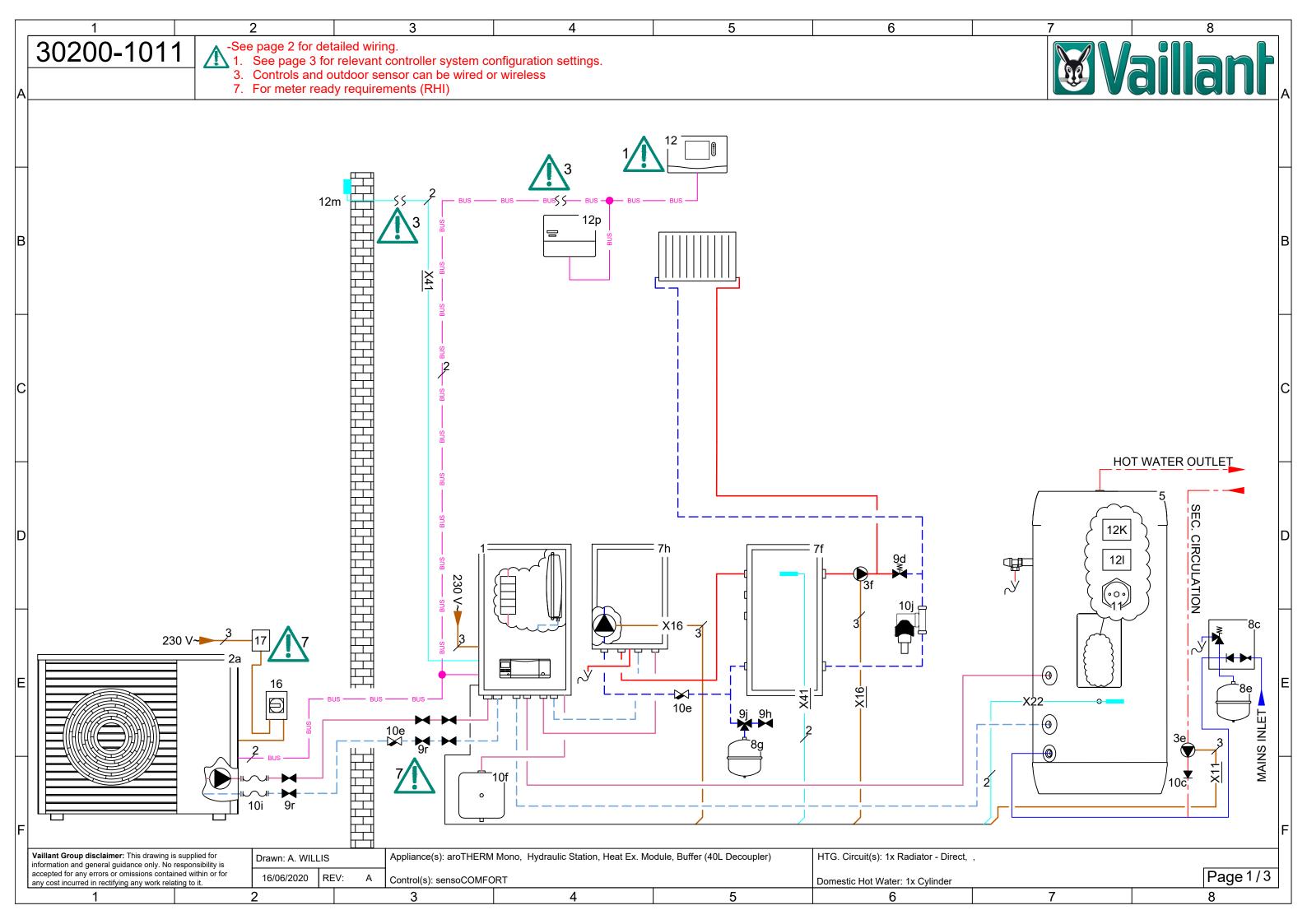
ED, GAS O1c Hydraulic Station 02 aroTHERM Monoblock 03e Secondary Circulation Pump 03f General Pump 05 uniSTOR DHW Cylinder 07f 40L Decoupler 08c DHW Inlet Safety Group 08e Heating / DHW Expansion Vessel 09b Zone Valve 09d Bypass Valve 09r Isolation Valve 10c Non-return Valve B		7			8		
agram. 07f 40L Decoupler 08c DHW Inite Safety Group 08e Heating / DHW Expansion Vessel 09b Zone Valve 09r Isolation Valve 10c Non-return Valve ments. 10e 11 Immersion Heater 12 sensoCOMFORT 12a VR92 12e Wiring Centre - VR 71 12K High Limit Cut Out 121 Cylinder Thermostat 12m Outdoor Temperature Sensor 12p Wireless Reciever 16 Rotary Isolator 17 Electric Meter 4 rotary isolaton module. Domestic Cold Water Domestic Cold Water Domestic Cold Water Domestic Hot Water Heating Return Glycol Flow Glycol Flow BUS Oldoov Vire BUS Low Voltage BUS - BUS Indicates Cable Junction BUS	ED, GAS	01c Hydra 02 aroTH 03e Secor 03f Gener	IERM Mono ndary Circul ral Pump	oblock ation Pump			А
12a VR92 12e Wiring Centre - VR 71 12K High Limit Cut Out 12 Cylinder Thermostat 12m Outdoor Temperature Sensor 12p Wireless Reciever 16 Rotary Isolator 17 Electric Meter & rotary isolation added to outdoor module. 17 Electric Meter & rotary isolation added to outdoor module. Domestic Cold Water Domestic Cold Water Domestic Cold Water Domestic Hot Water Heating Return Glycol Flow Glycol Flow Glycol Return 230/400V Wire BUS Low Voltage BUS BUS Low Voltage Demand Signal eBUS + BUS eBUS - Indicates Cable Junction Indicates No. of cable cores 3 Page 3/3	k.	07f40L D08cDHW08eHeatir09bZone09dBypas09rIsolati10cNon-ro10eY Strat10iFlexib10jMagne	ecoupler Inlet Safety ng / DHW E Valve ss Valve on Valve eturn Valve ainer le Connecti etic Filter	Group xpansion Ve on	ssel	-	В
A 1000/2020 outdoor module. 2.E REV DATE DESCRIPTION ZONE Domestic Cold Water Domestic Hot Water Indicates Cable Junction Indicates No. of cable cores E BUS Indicates No. of cable cores Indicates 3/3 F		12aVR9212eWiring12KHigh L12ICylinc12mOutdo12pWirele16Rotary	g Centre - V Limit Cut Ou der Thermos por Tempera ess Recieve y Isolator	/R 71 ut stat ature Sensor			с
A 1000/2020 outdoor module. 2.E REV DATE DESCRIPTION ZONE Domestic Cold Water Domestic Hot Water Indicates Cable Junction Indicates No. of cable cores E BUS Indicates No. of cable cores Indicates 3/3 F						-	D
Low Voltage eBUS Low Voltage Demand Signal eBUS + eBUS - Indicates Cable Junction Indicates No. of cable cores		REV DA Domestic Co Domestic Ho Heating Flow Heating Ret Glycol Flow Glycol Retur 230/400V W	TE DId Water ot Water w urn m		e.		E
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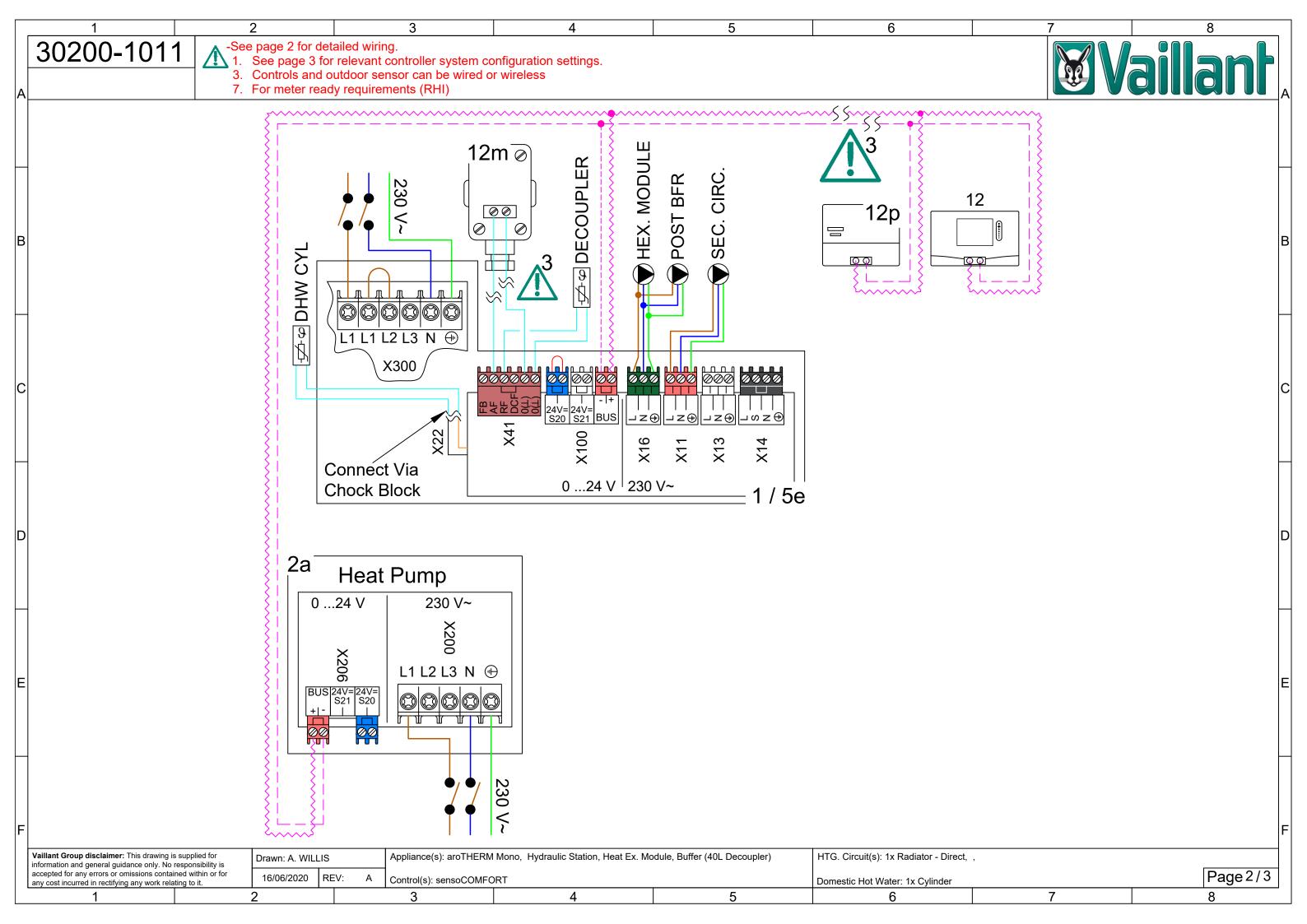




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		Setting		Value		Setting	Value					
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		Hybrid manager:	Bivale	ence pt		Zone assignment:	Control					
		Heating bivalence point:	-20°			Zone2	>					
		DHW bivalence point:	-20°			Zone activated:						
C	;	Alternative point:	Off			Zone assignment:						
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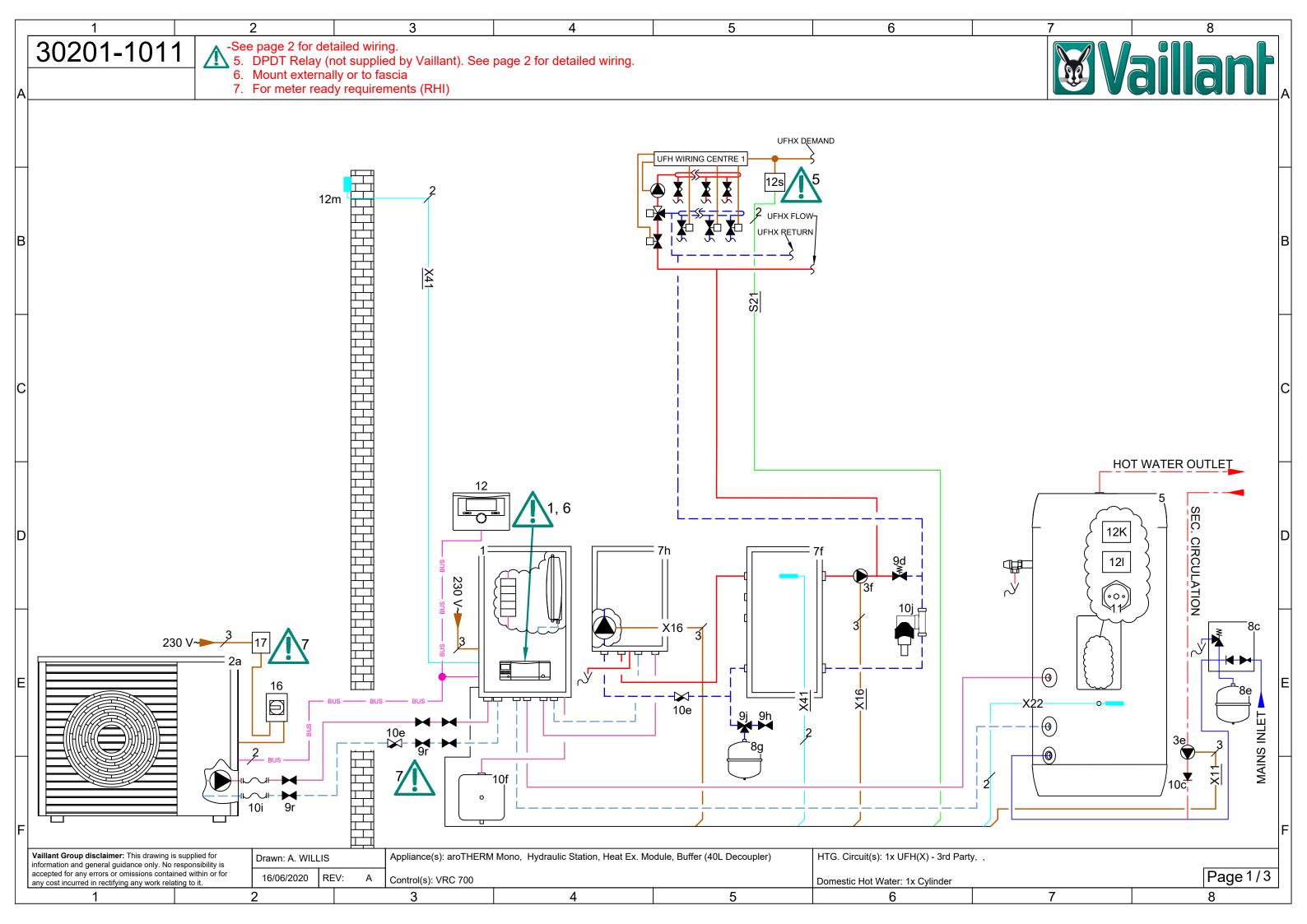
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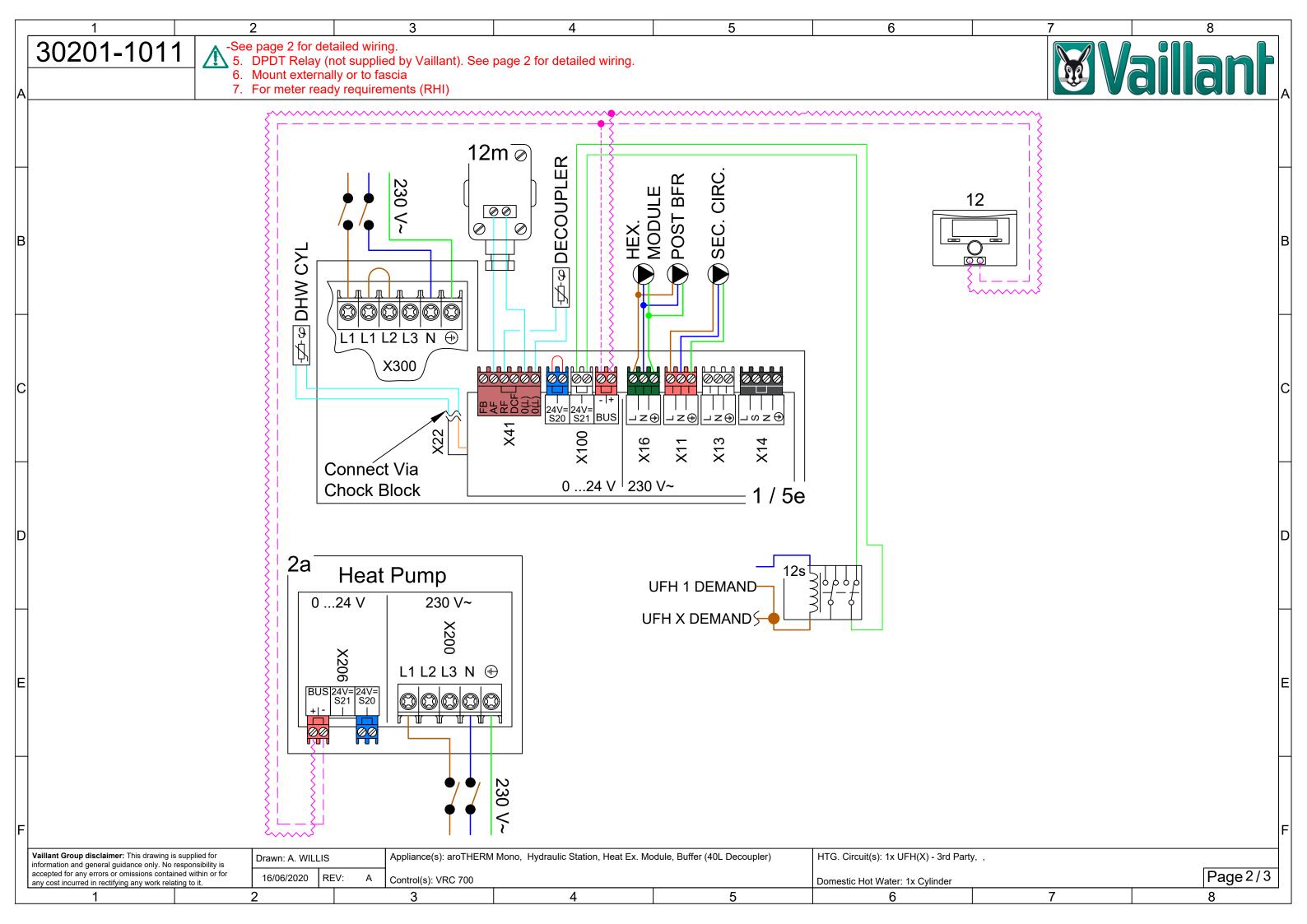




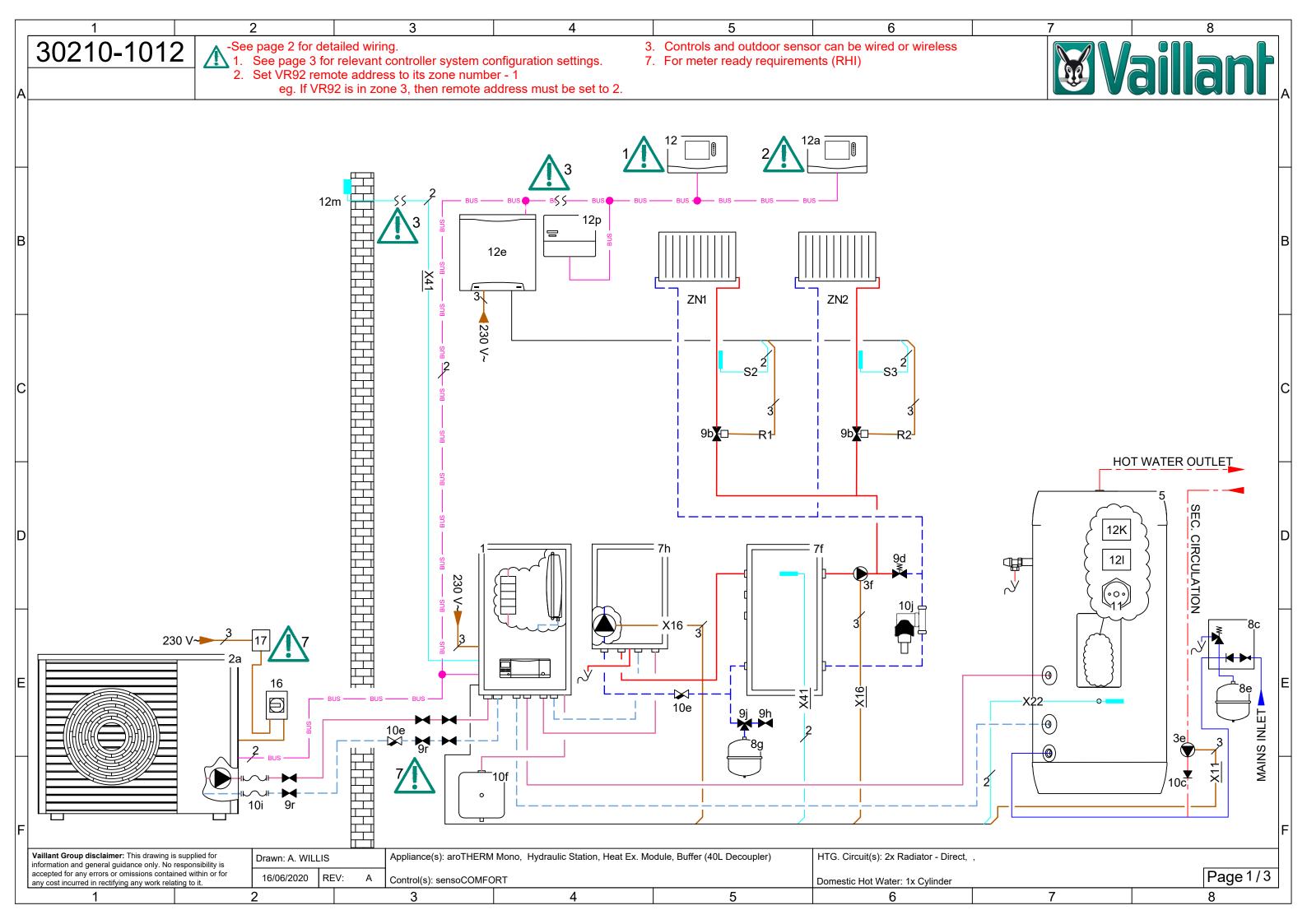
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ESCO:	Heating off										12p Wir
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MO 2:	Circulation pump										
Circuit	1										
Circuit type:	Heating										
OT switch-off threshold:	30°										
Heat curve:	**Site specific										
.	15°	_									A 16/0
Max. target flow temperature:	-	_									REV D
Set-back mode:		-									Domestic Domestic
Room temp. mod.:	•	-									Heating F Heating R
Zone1		-									Glycol Flo
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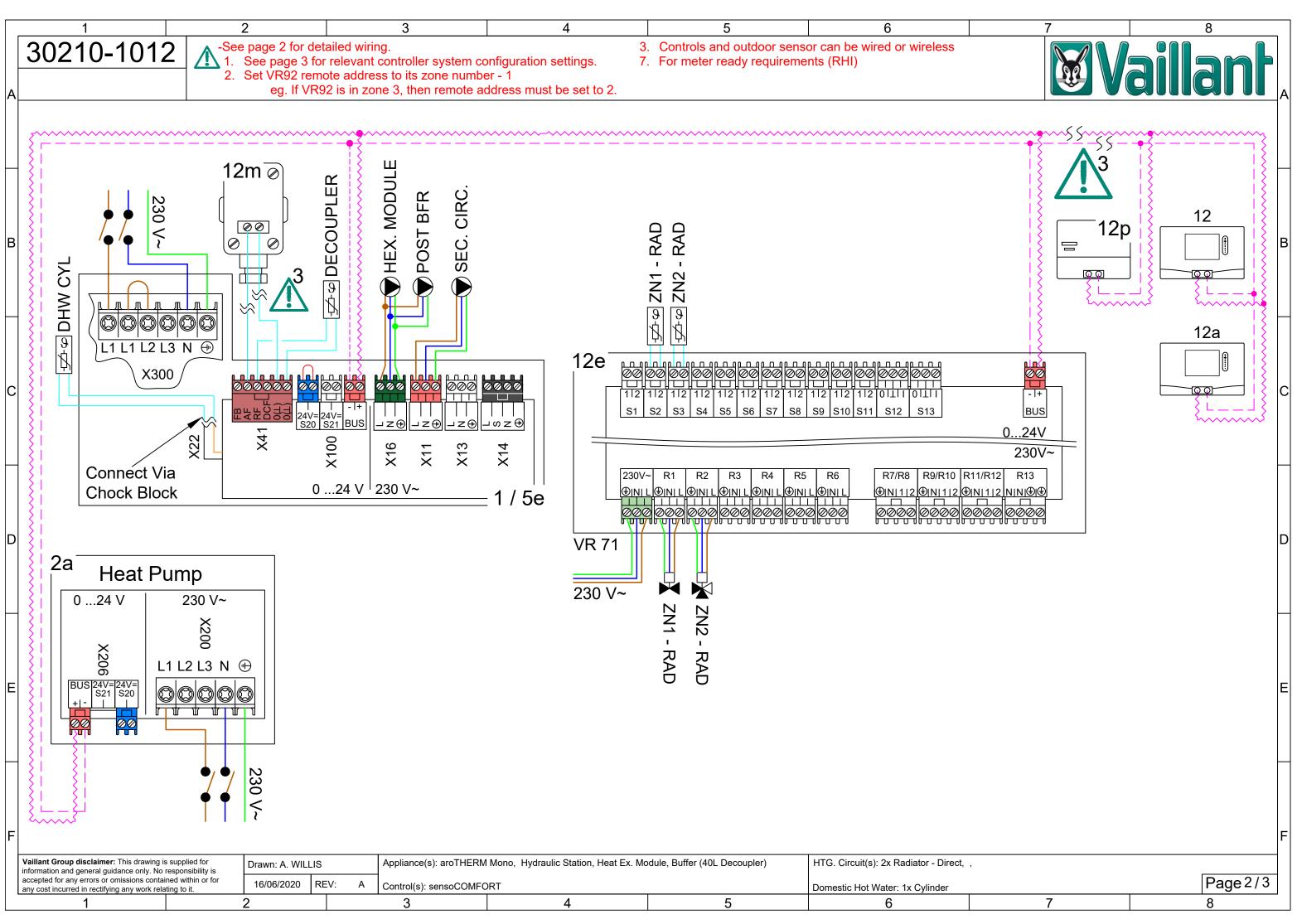
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	 Any reproduction of the design must have 							03f General Pump		
	5. During the planning, design, installation							05 uniSTOR DHW Cylin	der	
	6. In no circumstances shall Vaillant be lial	ble to you or any other third part	ies for any loss or damage (including, wi	thout limitation, damage for loss of business o	r loss of profits) arising directly or ind	lirectly from your use of or inability to use, this	diagram.	07f 40L Decoupler 07h HEX. Module		
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в		S	ensoCOMFORT /	VRC 700 System Co	nfiguration			09d Bypass Valve 09h Fill / Drain Valve		В
	Not all settings are displayed,	, commissioning of the c	controller should be done dilige	ently; going through each adjustat	le option with consideratior	n to the property and system requi	rements.	09r Isolation Valve		
	Setting Va	alue						10c Non-return Valve 10e Y Strainer		
	System							10f Brine Collection Tanl	K	
	Adaptive heat. curve No							10iFlexible Connection10iMagnetic Filter		
	Configure heat. circ. Zone1							11 Immersion Heater		
	Hybrid manager Bivalence	pt							hermostat - VRC 700	
	Heat. bivalence point -20°							12K High Limit Cut Out 12I Cylinder Thermostat		
	DHW bivalence point -20°							12m Outdoor Temperatur	e Sensor	
	Energy supplier Heat. off							12s DPDT Relay (3rd Pa16 Rotary Isolator	rty)	
	Auxiliary heater for DHW+ hea							16 Rotary Isolator17 Electric Meter		
	System diagram configuratio	on								
	System diagram 10									
	Additional module									
-	Multi-function.output2 Circ. pump	0								
D	Aux. heater output Stage3									D
-	HEATING1									
-	Type of circuit Heating Max limit outs.temp. 30°									
-	Heating curve **Site spec	cific								
	Minimum temperature 15°							A 16/06/2020 Electric Meter	& rotary isolation added to 2,E	
	Maximum temperature 45°	———————————————————————————————————————							utdoor module. Z,E SCRIPTION ZON	
	Auto Off mode Eco	———————————————————————————————————————						Domestic Cold Water		=
	Room temp. mod. None							Domestic Hot Water Heating Flow		<u> </u>
E	Zone1							Heating Return Glycol Flow		E
	Zone activated: Yes							Glycol Return		
	Zone assignment: Without							230/400V Wire		
	DHW circuit							Low Voltage Sensor Wire		
—	Cylinder active							Low Voltage eBUS Low Voltage Demand Sign	al BUS	그님
	Anti-legionella day **User pret	ference						eBUS + eBUS -		\leq
	Anti-legionella time **User pref	ference								
	Cylinder boost offset 15 K							Indicates Cable Junction	• • BUS	-
F	DHW req. anti-cy time 5 min							Indicates No. of cable core	s	F
	Vaillant Group disclaimer: This drawing is supplied information and general guidance only. No responsibi		Appliance(s): aroTHEF	M Mono, Hydraulic Station, Heat Ex. Mod	ule, Buffer (40L Decoupler)	HTG. Circuit(s): 1x UFH(X) - 3rd Party	3 3	1		\neg
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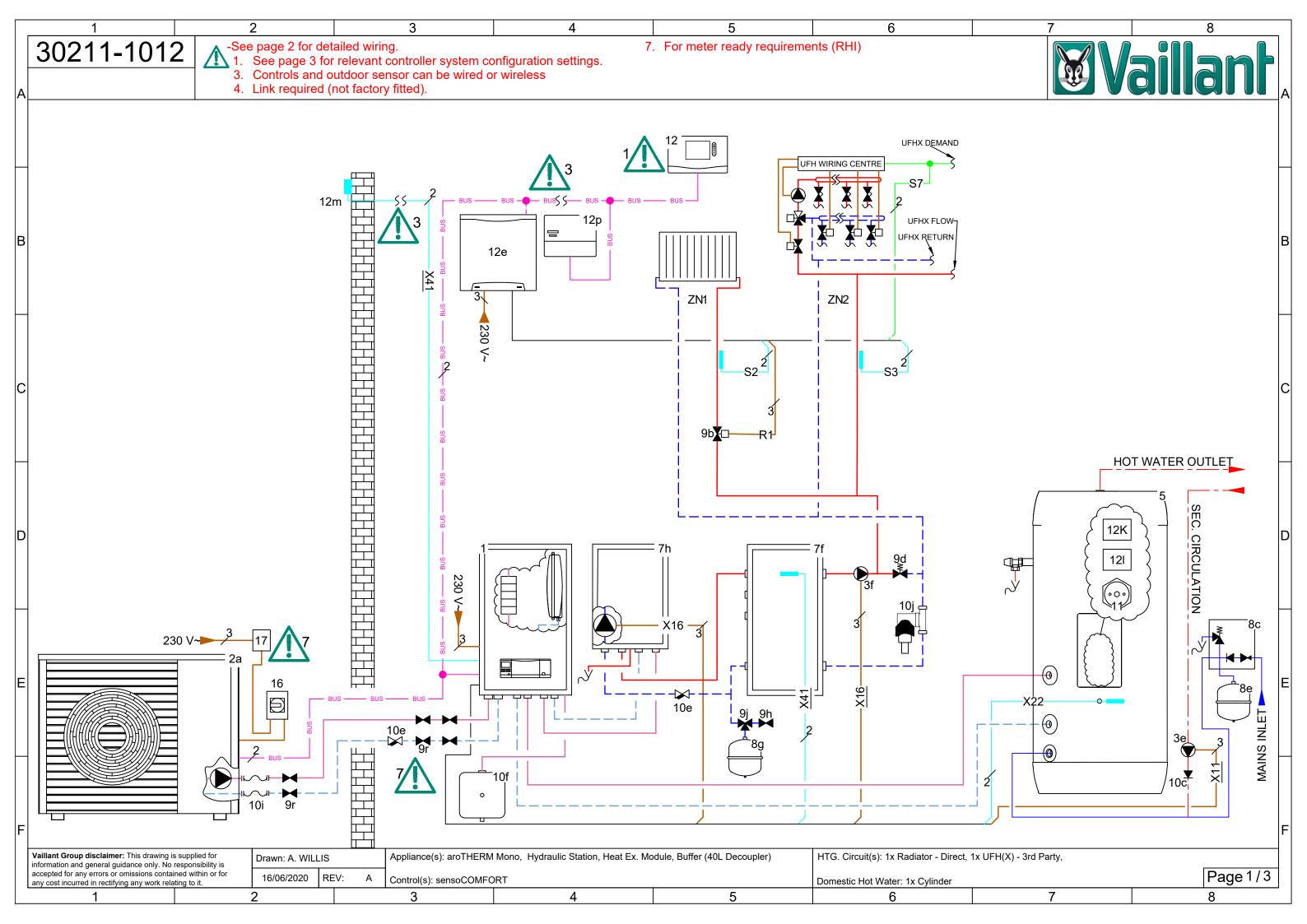


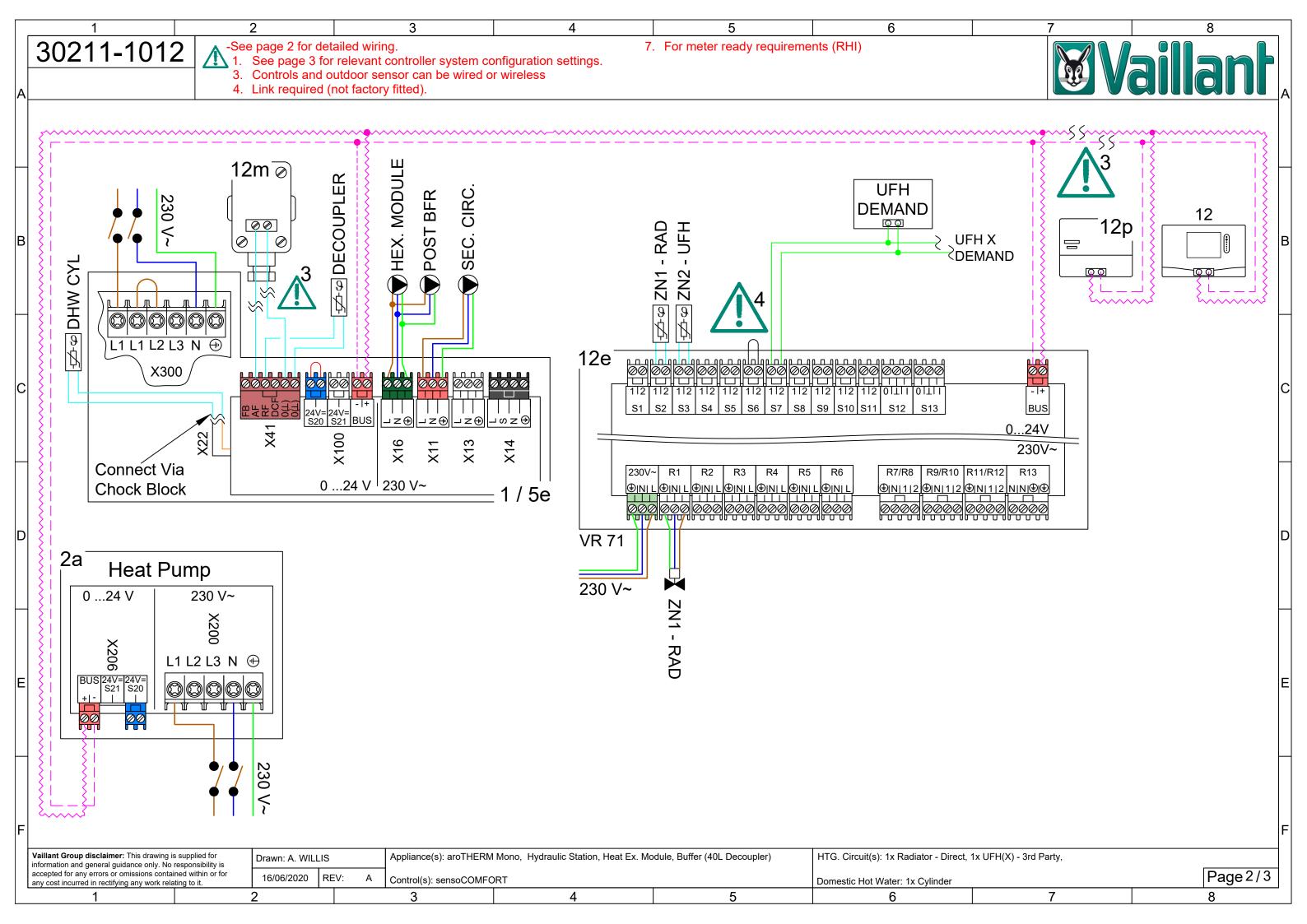


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Б								<u> </u>				08g Brine Expa 09b Zone Valv
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-	Installati Adapt. heat curve:	1		▶	Zone 2	1						10f Brine Colle
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	Heating bivalence point:											10j Magnetic I 11 Immersion
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С	 Alternative point:				Zone assignment:							12a VR92 12e Wiring Ce
		Heating off			Domestic hot							12K High Limit
	Back-up boiler:	Off			Cylinder:	1						12I Cylinder T
	Conf. ext. input:	Bridge, dea	activ.		Anti-legio. day:	**User preferen	ce					12m Outdoor T 12p Wireless F
	Basic system diag	ram config	g.		Anti-legio. time:	**User preferen	ce					16 Rotary Iso
	Basic system diagram code:	10		Су	linder charging offset:	15 K						17 Electric Me
	HP control module	configurati	ion	Cyl.	charg. anti-cycl. time:	5 min						
	MO 2:	Circulation	pump									
D	Circuit	:1										
	Circuit type:	Heating										
	OT switch-off threshold:	30°										
	Heat curve:	**Site speci	ific									
	Min. target flow temperature:											A 16/06/2020
	Max. target flow temperature:											REV DATE Domestic Cold V
	Set-back mode:											Domestic Hot W
E	Room temp. mod.:	L ·										Heating Flow Heating Return
	Circuit Circuit type:											Glycol Flow Glycol Return
	OT switch-off threshold:											
	Heat curve:	**Site speci	ific									230/400V Wire Low Voltage Ser
	Min. target flow temperature:											Low Voltage eBL
	Max. target flow temperature:											Low Voltage Der eBUS +
	Set-back mode:	Normal										eBUS -
	Room temp. mod.:	Expanded										Indicates Cable
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	Vaillant Group disclaimer: This draw information and general guidance only			: A. WILLIS	Applian	ce(s): aroTHERM	Mono, Hydraulic Station, Heat Ex	Module, Buffer	r (40L Decoupler)	HTG. Circuit(s): 2x Radiator - Direct	Ļ,,	
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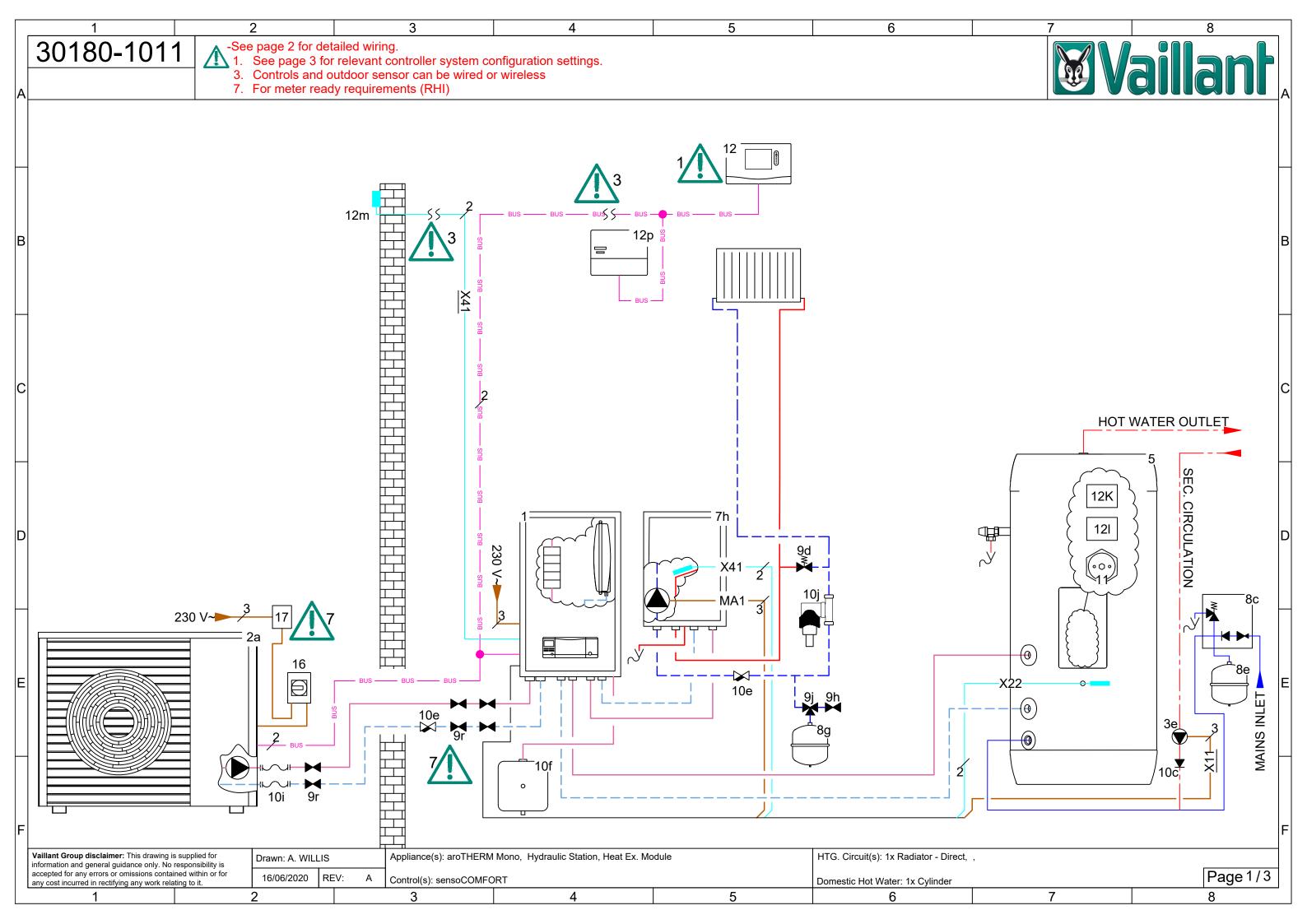
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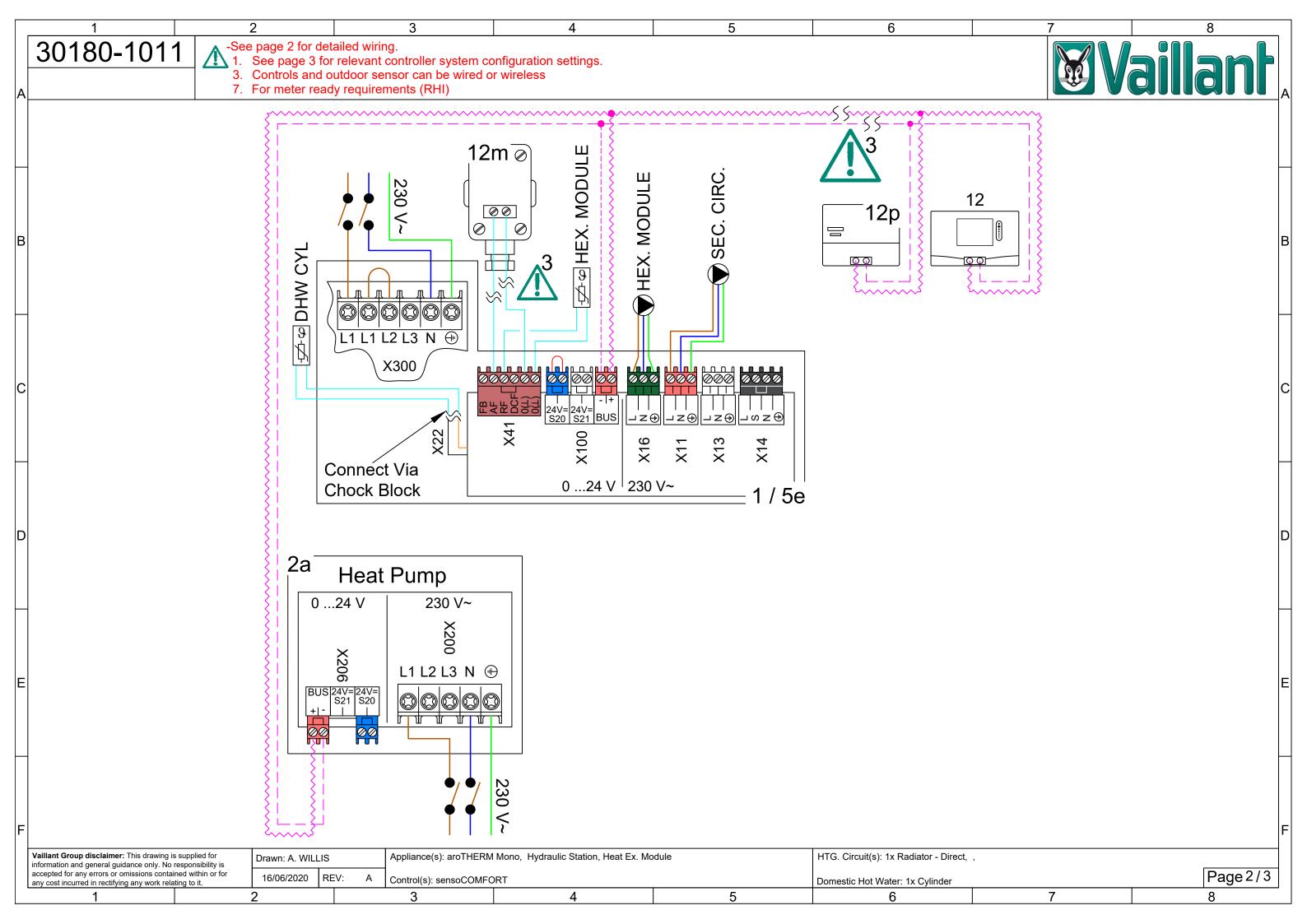




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В							RC 700 System C			
	Not all settings are o	display	ed, commis	sioning o	f the controller should b	e done diligenti	y; going through each adjus	table option with consideration t	o the property and system req	uirem
	Setting		Value		Setting	Value				
	Installati	on		│₋⊾Г	Zone	1				
	Adapt. heat curve:	Deacti	vated		Zone activated:	Yes				
	Hybrid manager:	Bivale	nce pt		Zone assignment:	Control				
	Heating bivalence point:		I	1 -	Zone					
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С	Alternative point:			-	Zone assignment:					
	ESCO:	Heatin	na off	1 I F		-	_			
	Back-up boiler:		.9 •	1 I F	Domestic hor Cylinder:					
	Conf. ext. input:		deactiv.		Anti-legio. day:	**User preference				
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	Basic system diagram code:			1 -	Cylinder charging offset:					
	HP control module	config	uration		Cyl. charg. anti-cycl. time:					
	MO 2:	Circula	ation pump							
D	Circuit	:1								
	Circuit type:	Heatin	ng	1						
	OT switch-off threshold:	30°		1						
	Heat curve:	**Site	specific							
\vdash	Min. target flow temperature:	15°								
	Max. target flow temperature:	45°								
	Set-back mode:	Norma	al							
	Room temp. mod.:	Expan	ided							
E	Circuit	2								
	Circuit type:	Heatin	ng							
	OT switch-off threshold:	30°								
	Heat curve:	**Site	specific							
	Min. target flow temperature:	15°								
	Max. target flow temperature:	45°								
	Set-back mode:	Eco								
	Room temp. mod.:	Inactiv	/e							
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	Vaillant Group disclaimer: This draw information and general guidance only			Drawn: A.	WILLIS Applian	ce(s): aroTHERM N	Iono, Hydraulic Station, Heat Ex. N	lodule, Buffer (40L Decoupler)	HTG. Circuit(s): 1x Radiator - Direct,	1x UF
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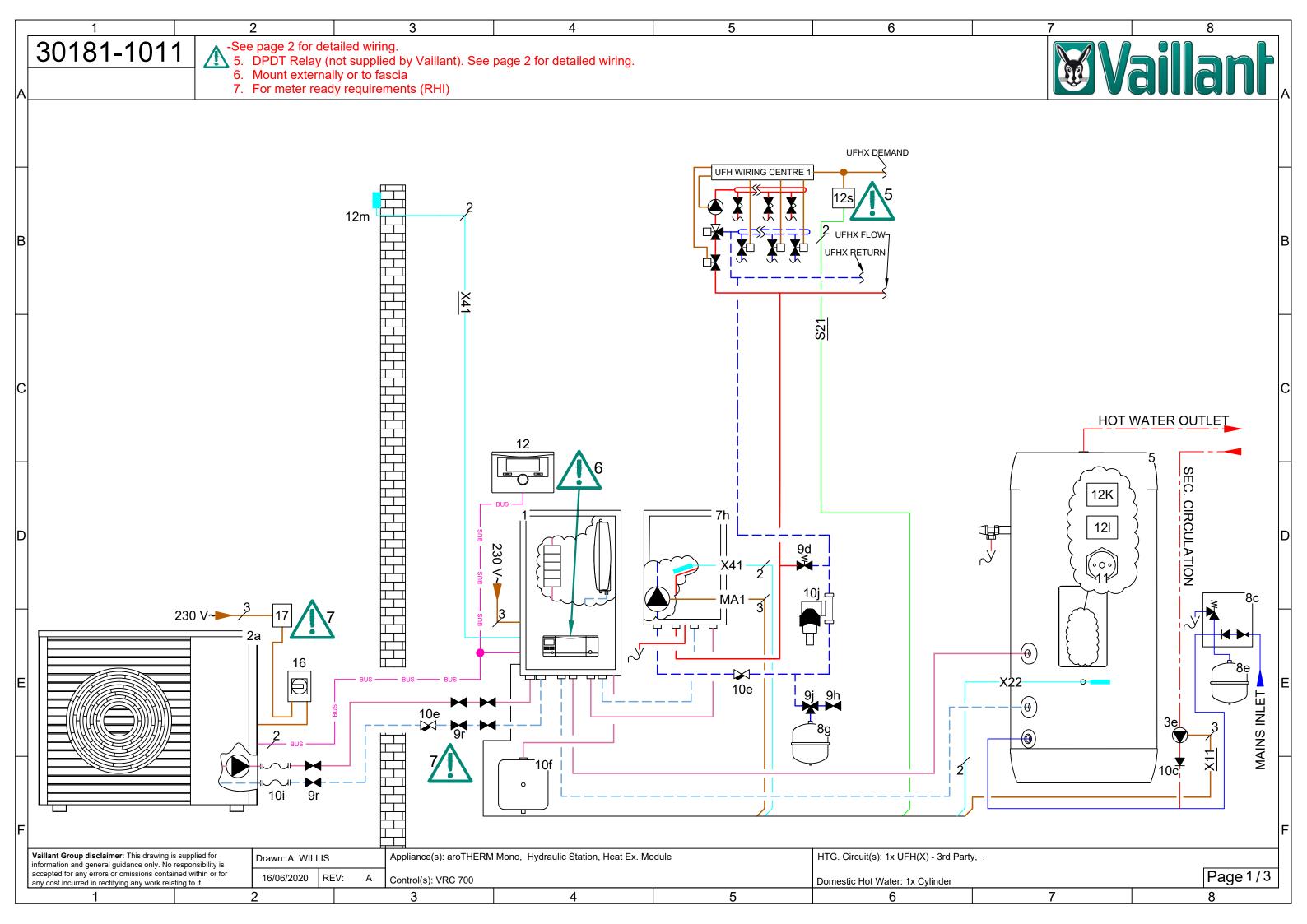
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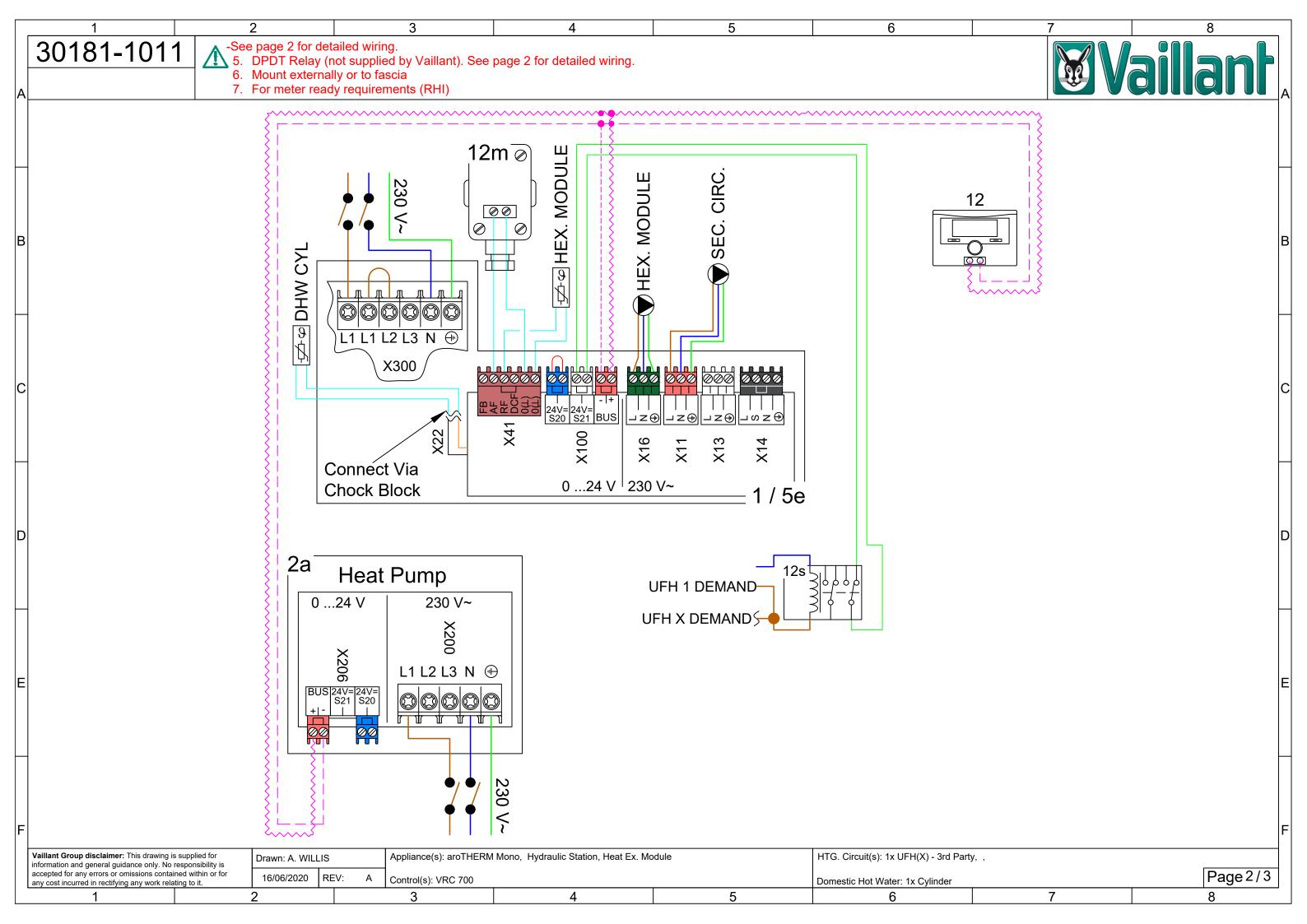




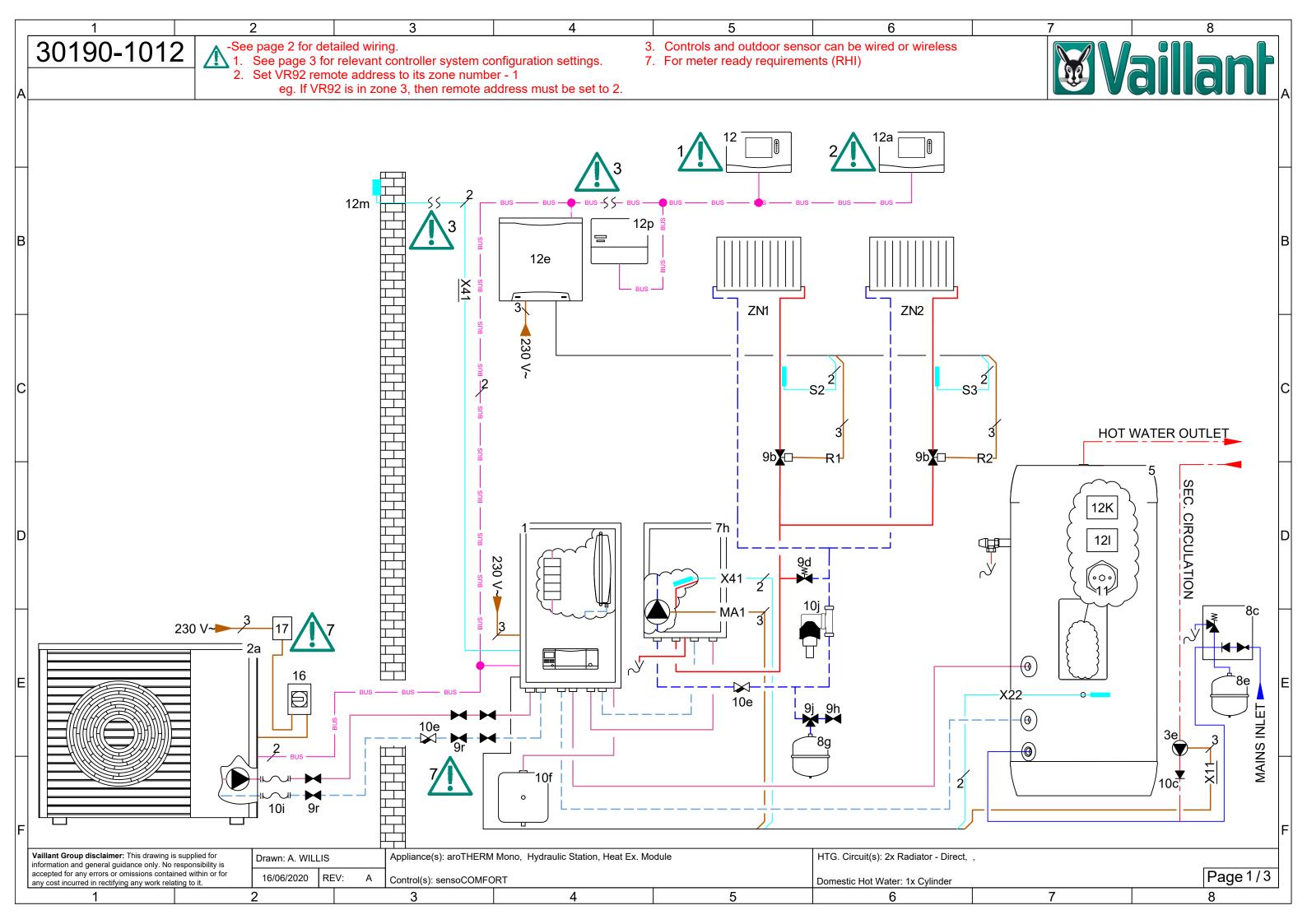
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_		Heating	_						
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	Heat curve:	**Site specific							
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-	-	Normal							
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		Control	_						
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_	Anti-legio. day:	**User preference							
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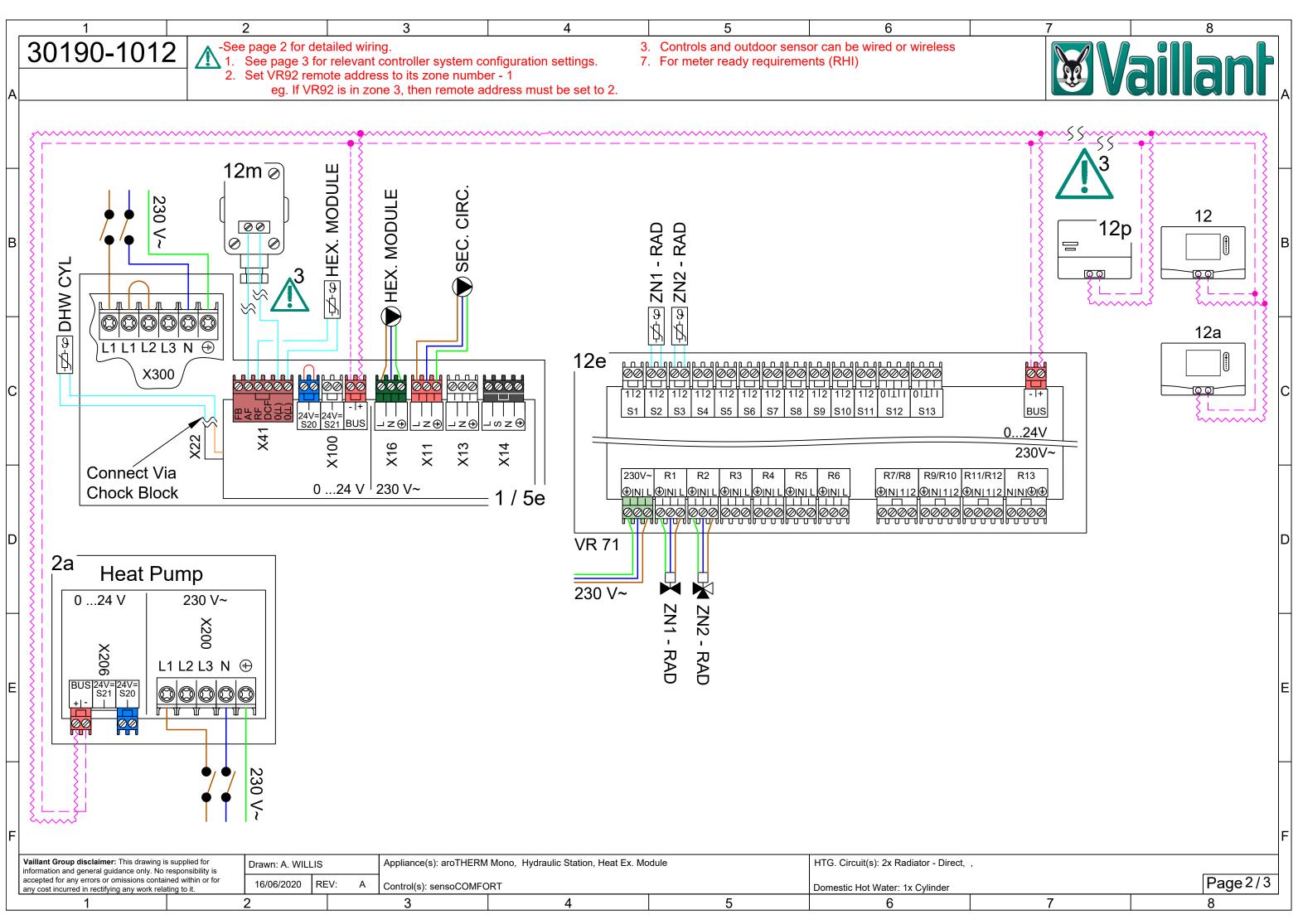
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	4. Any reproduction of the design must have the pr						07h HEX. Module		
	5. During the planning, design, installation and late						08c DHW Inlet Safety Gro	pup	
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			but the completeness, accuracy, reliability or suitability of the d	agram for any purpose. Any reliance you place on t	the diagram is therefore strictly at your own i	risk.	08g Brine Expansion Ves 09d Bypass Valve	sel	
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H	Adaptive heat. curve No	-					11 Immersion Heater		-
╎┝	Configure heat. circ. Zone1						12 System Controller / T	hermostat - VRC 700	
╎┝	Hybrid manager Bivalence pt						12K High Limit Cut Out 12I Cylinder Thermostat		
	Heat. bivalence point -20°	-					12m Outdoor Temperature	e Sensor	
C	DHW bivalence point -20°	_					12s DPDT Relay (3rd Par	ty)	C
╞	Energy supplier Heat. off	-					16 Rotary Isolator17 Electric Meter		
	Auxiliary heater for DHW+ heat.	_							
	System diagram configuration	_							
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	Additional module								
	Multi-function.output2 Circ. pump								
D	Aux. heater output Stage3	_							
	HEATING1	_							
	Type of circuit Heating Max limit outs.temp. 30°	_							
	Heating curve **Site specific	_							
H	Minimum temperature 15°							& rotary isolation added to 2,E	
	Maximum temperature 45°						01	SCRIPTION ZON	
[Auto Off mode Eco						Domestic Cold Water Domestic Hot Water		
	Room temp. mod. None						Heating Flow		
E	Zone1						Heating Return Glycol Flow		-1E
╎┝	Zone activated: Yes	_					Glycol Return		
	Zone assignment: Without	-					230/400V Wire Low Voltage Sensor Wire		
	Cylinder active	-					Low Voltage eBUS	BUS	
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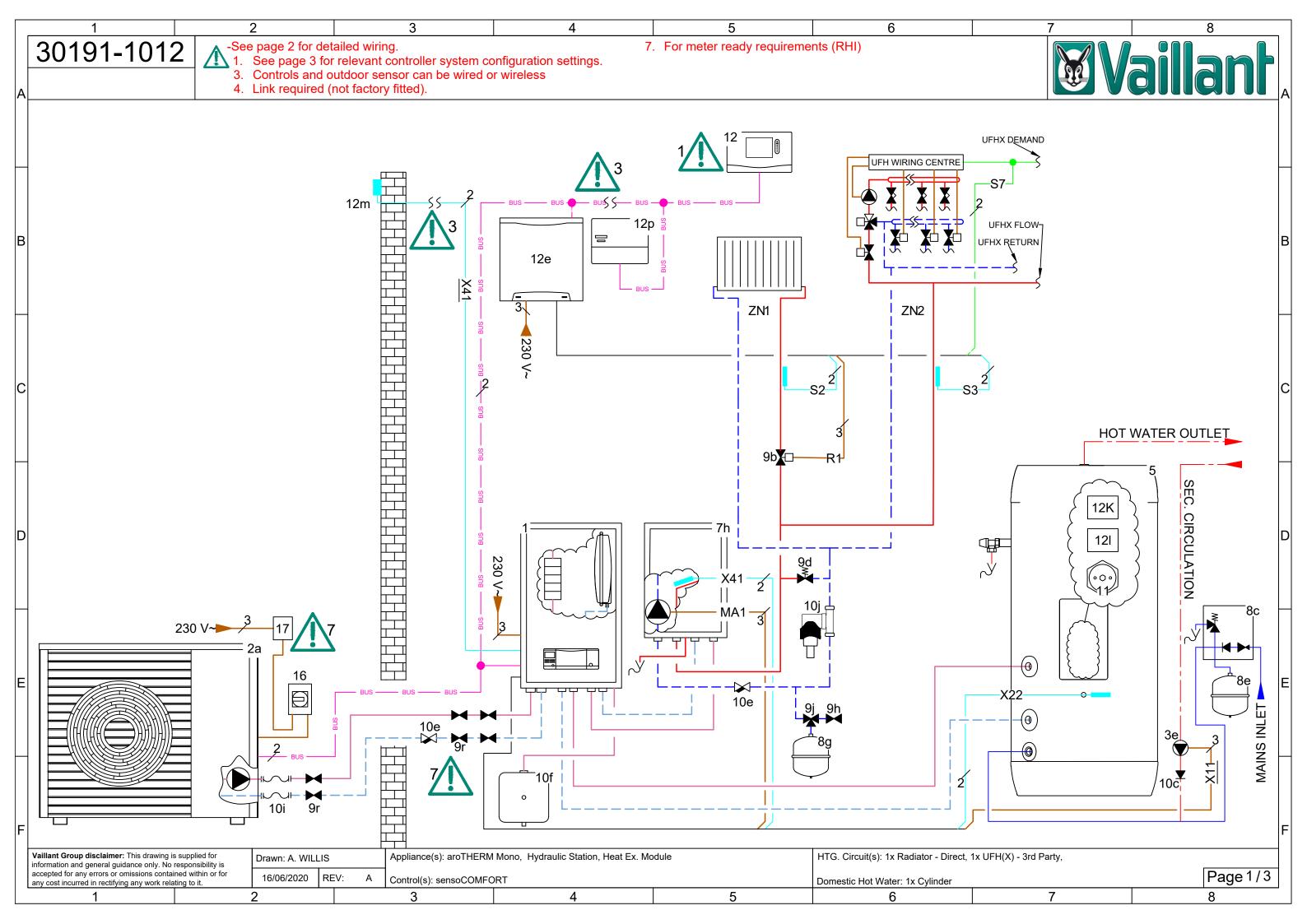


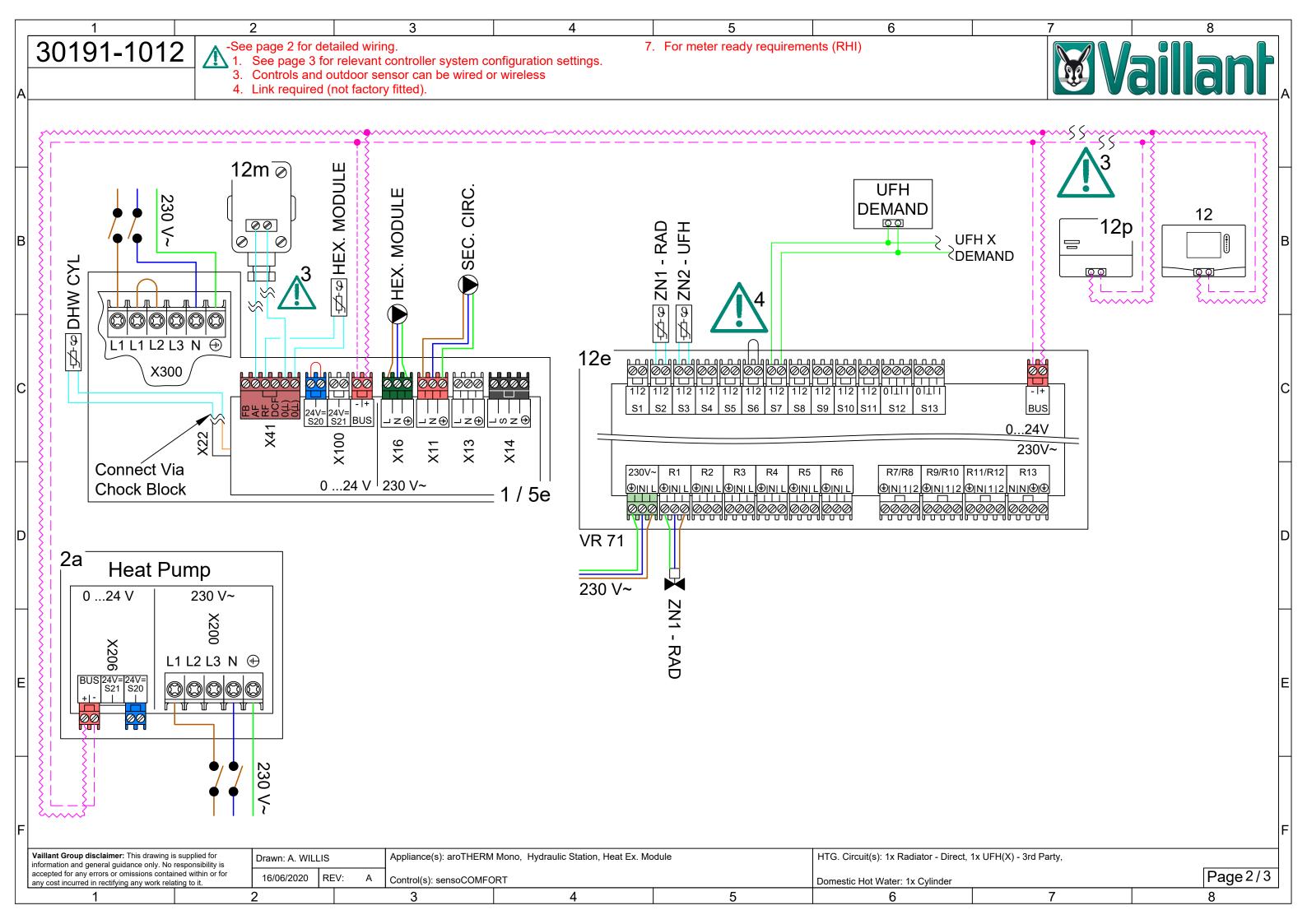


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	Setting	Va	alue	Setting		Value				_
	Installatio	on			Zone1					
	Adapt. heat curve:		ed The second se	Zone		/es				
	Hybrid manager:	Bivalence				Control				
			· · · · · · · · · · · · · · · · · · ·		Zone 2	-				
				Zone	activated:	/es				
С		Off				Rem. contr. 1	-			
		Heating of	f		estic hot v					
	Back-up boiler:	-		Doll		Active				
	Conf. ext. input:		activ.	Anti-I	-	*User preference	-			
	Basic system diag	ram confi	iq.		• •	*User preference	-			
	Basic system diagram code:			Cylinder charg	•	•	-			
	HP control module of	configurat	tion	Cyl. charg. anti-	-		-			
	MO 2:	Circulation	n pump		-					
D	Circuit									
	Circuit type:									
	OT switch-off threshold:	<u> </u>								
	Heat curve:	**Site spec	cific							
	Min. target flow temperature:	15°								
	Max. target flow temperature:	45°								
	Set-back mode:	Normal								
	Room temp. mod.:	Expanded								
Е	Circuit	2								
	Circuit type:	Heating								
	OT switch-off threshold:	30°								
	Heat curve:	**Site spec	cific							
	Min. target flow temperature:	15°								
	Max. target flow temperature:	45°								
	Set-back mode:	Normal								
	Room temp. mod.:	Expanded								
F										
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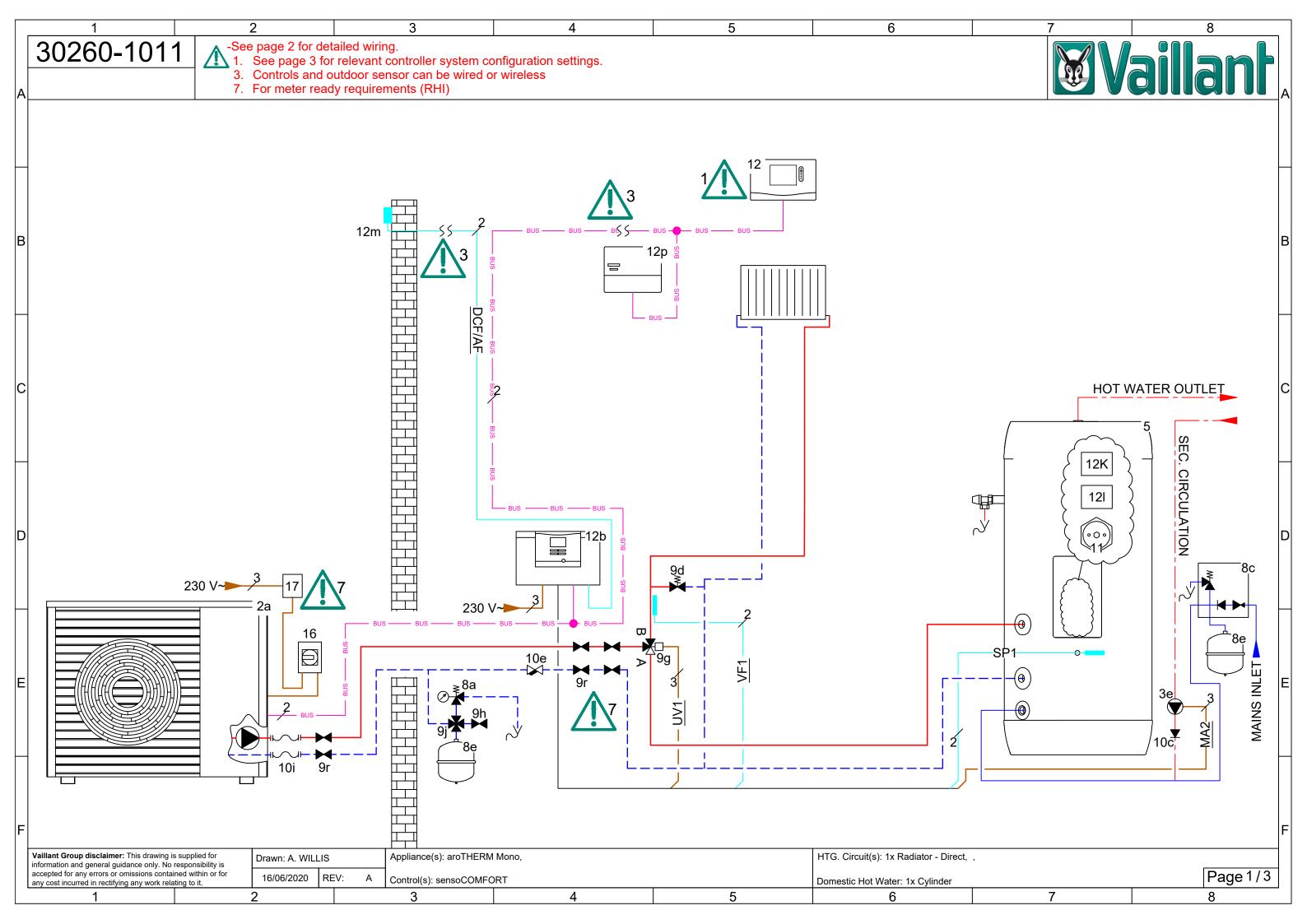
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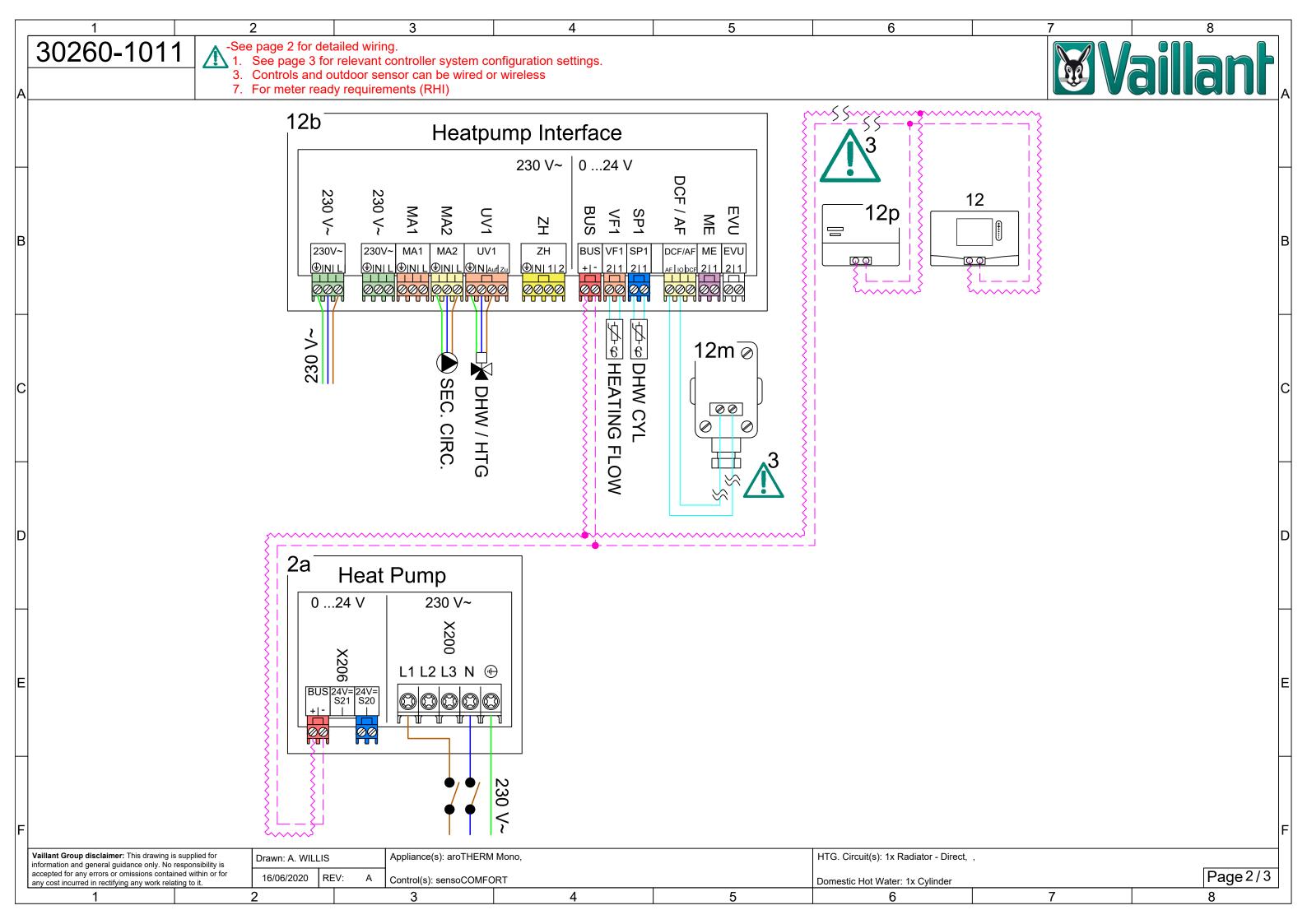




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	Setting		Value		Setting		Value						
	Installati	on				Zone1							
	Adapt. heat curve:	1	ivated		Zone	T	Yes						
	Hybrid manager:		ence pt				Control						
	Heating bivalence point:					Zone 2							
	DHW bivalence point:				Zone	activated:							
С	Alternative point:	Off					No assignmt						
	ESCO:	Heatir	na off				-						
	Back-up boiler:		.9 •		Don	Cylinder:							
	Conf. ext. input:		, deactiv.		Anti	-	**User preference						
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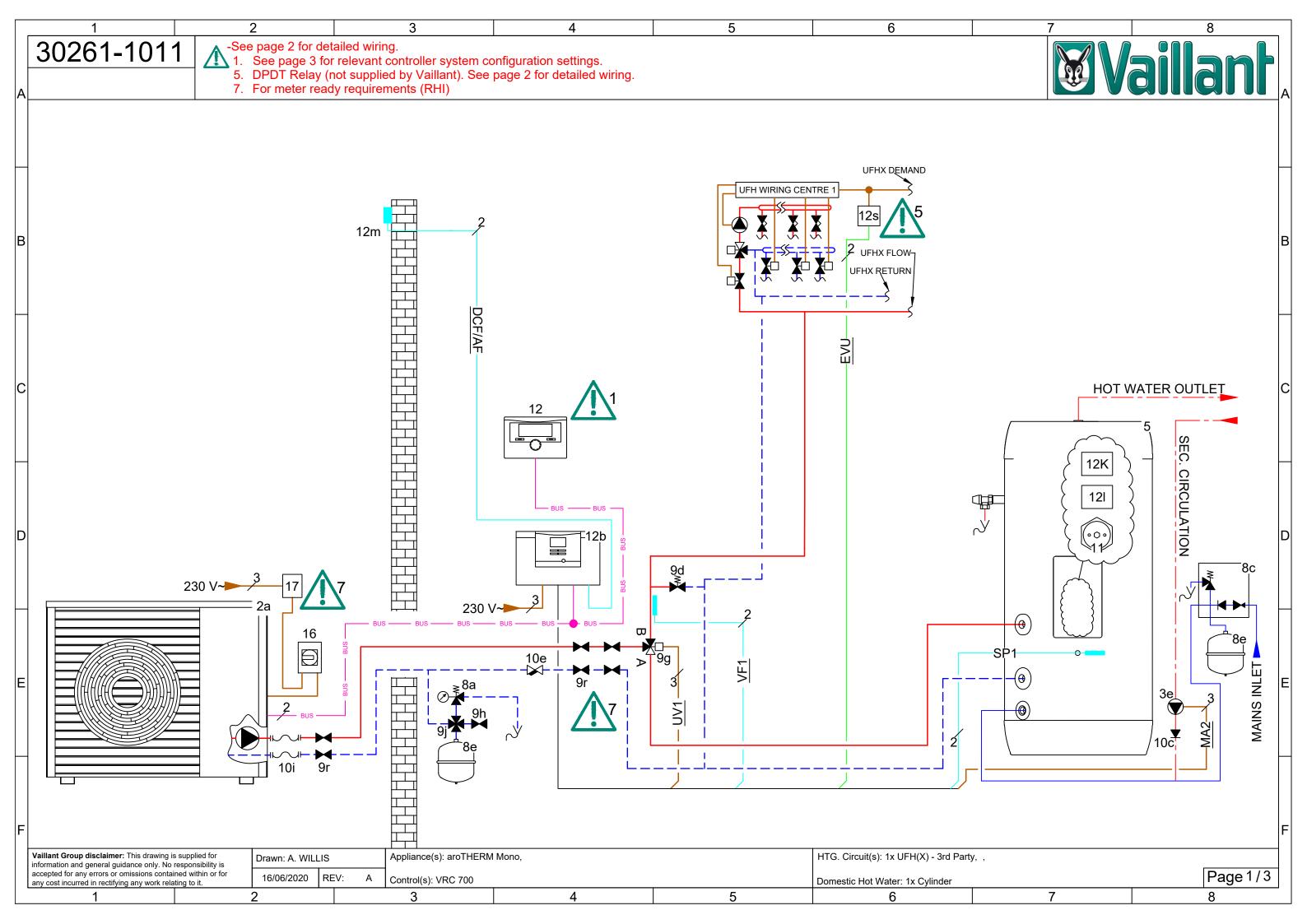
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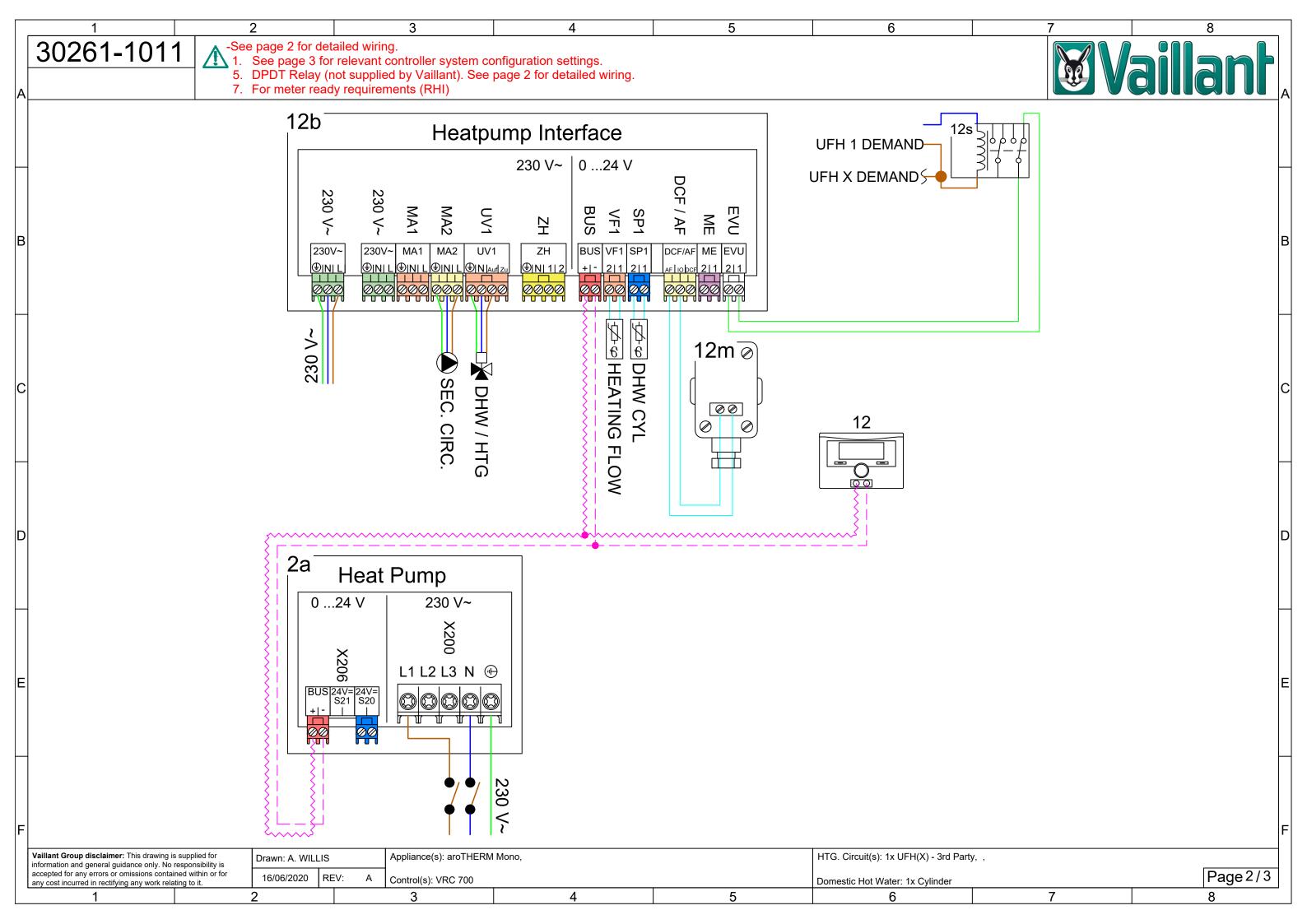




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	Setting		Value								
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	Adapt. heat curve:	Dead	tivated	1							
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	Heating bivalence point:	-20°		1							
	DHW bivalence point:	-20°		1							
С	Alternative point:	Off		1							
	ESCO:	Heat	ing off	1							
	Back-up boiler:	Off		1							
	Conf. ext. input:	Bridg	ge, deactiv.	1							
H	Basic system diag	jram (config.								
	Basic system diagram code:	8		1							
	HP control module	confi	guration	1							
	MO 2:	Circu	ulation pump								
D	Circuit	:1		1							
	Circuit type:	Heat	ing	1							
	OT switch-off threshold:	30°									
	Heat curve:	**Site	e specific	1							
H	Min. target flow temperature:	15°		1							
	Max. target flow temperature:	45°		1							
	Set-back mode:	Norn	nal								
	Room temp. mod.:	Expa	anded								
E	Zone	1									
	Zone activated:	Yes									
	Zone assignment:	Cont	rol								
	Domestic hot	t wate	ər								
H	Cylinder:	Activ	e								
	Anti-legio. day:	**Us	er preference								
	Anti-legio. time:	**Us	er preference								
	Cylinder charging offset:	15 K									
F	Cyl. charg. anti-cycl. time:	5 mir	1								
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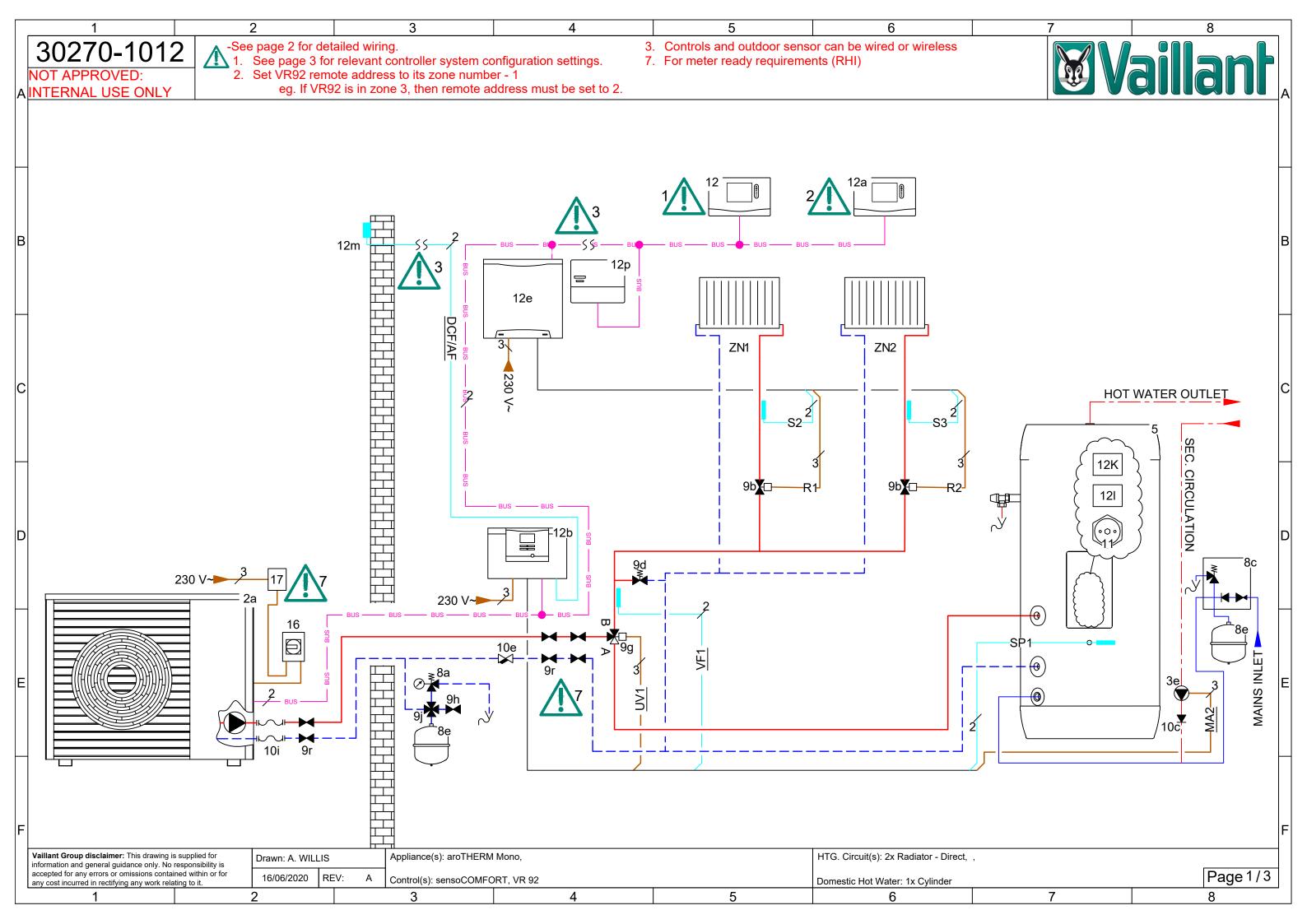
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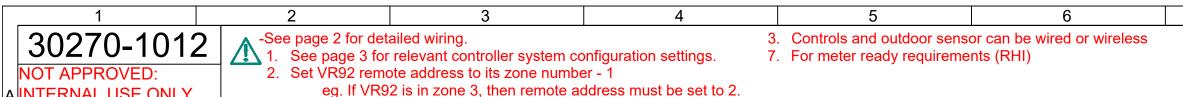


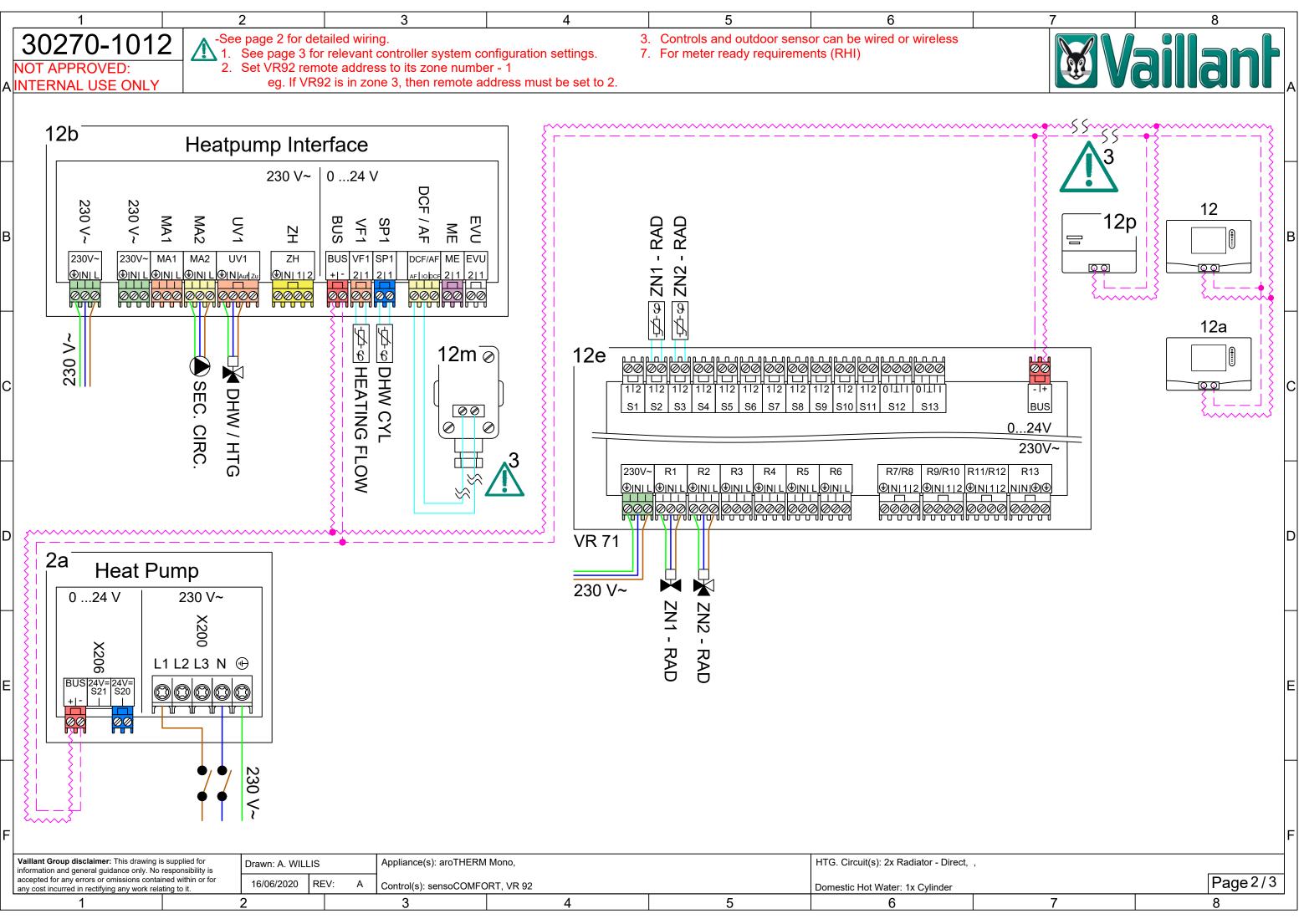


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	Adaptive heat. curve	-		-							
	Configure heat. circ.	Zone1		4							
	Hybrid manager	Bivaler	nce nt	-							
		-20°		4							
С		-20 -20°		4							
	Energy supplier	Heat. c	off	-							
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	Aux. heater output		ump	-							
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	HEATIN Type of circuit	Heating	~	4							
	Max limit outs.temp.	30°	9	4							
	Heating curve		specific	4							
	Minimum temperature	15°	specific	-							
	Maximum temperature	-		-							
	Auto Off mode	-		4							
	Room temp. mod.	None		-							
F	-	1									
	Zone 2			-							
	Zone assignment:		ıt	-							
		I	11								
	DHW circ Cylinder	active		-							
	Anti-legionella day		preference	-							
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		15 K	preference	-							
	DHW req. anti-cy time			4							
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	Vaillant Group disclaimer: This draw information and general guidance only	ving is sup	plied for	Drawn: A. WILLIS		Appliance(s): aroTHERM	1 Mono,			HTG. Circuit(s): 1x UFH(X) - 3rd Pa	rty, ,
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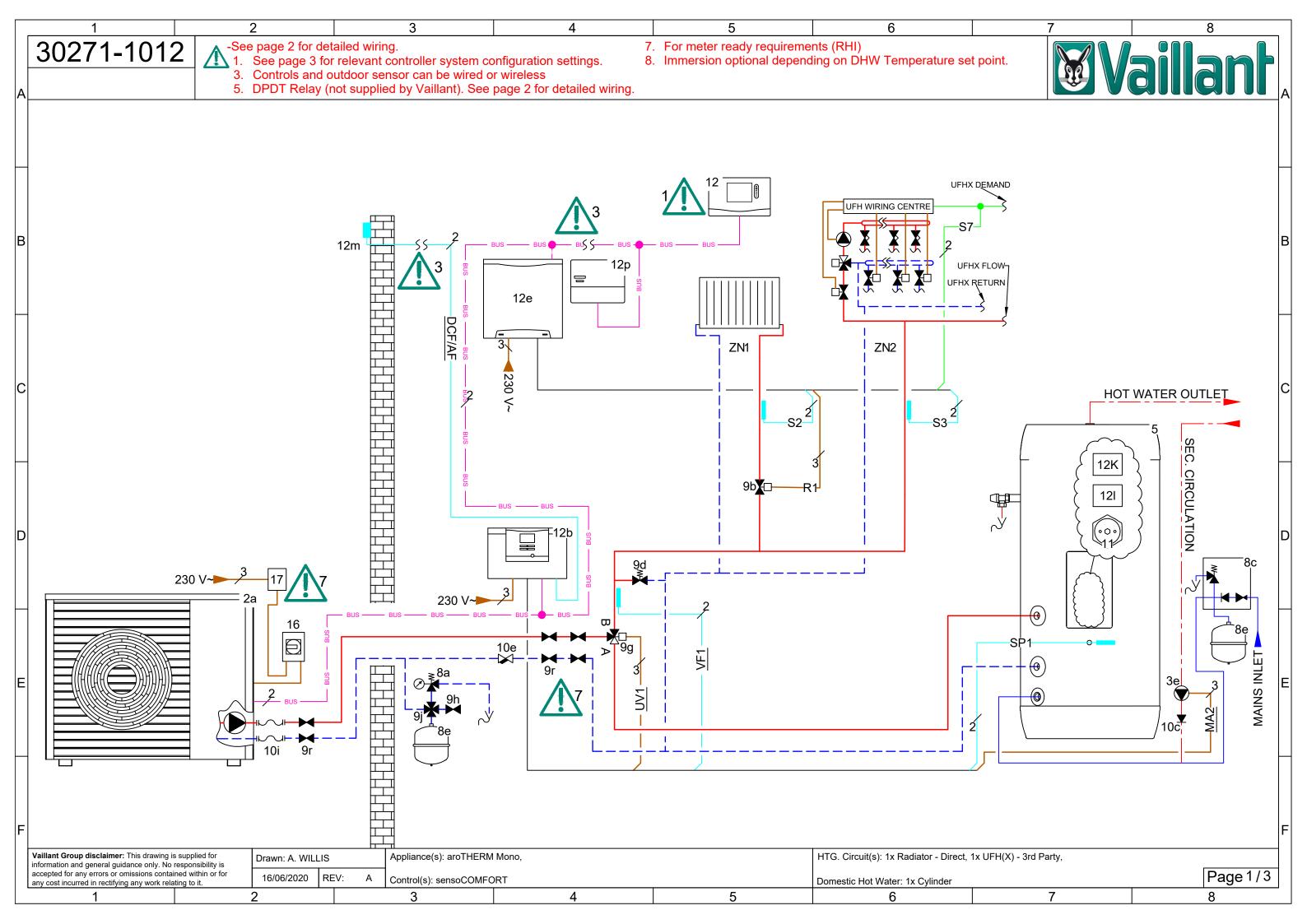


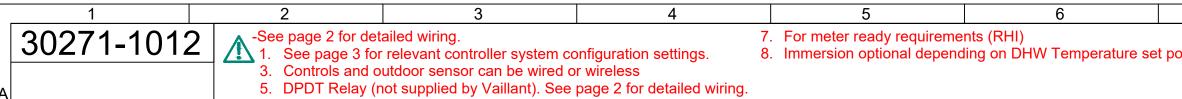


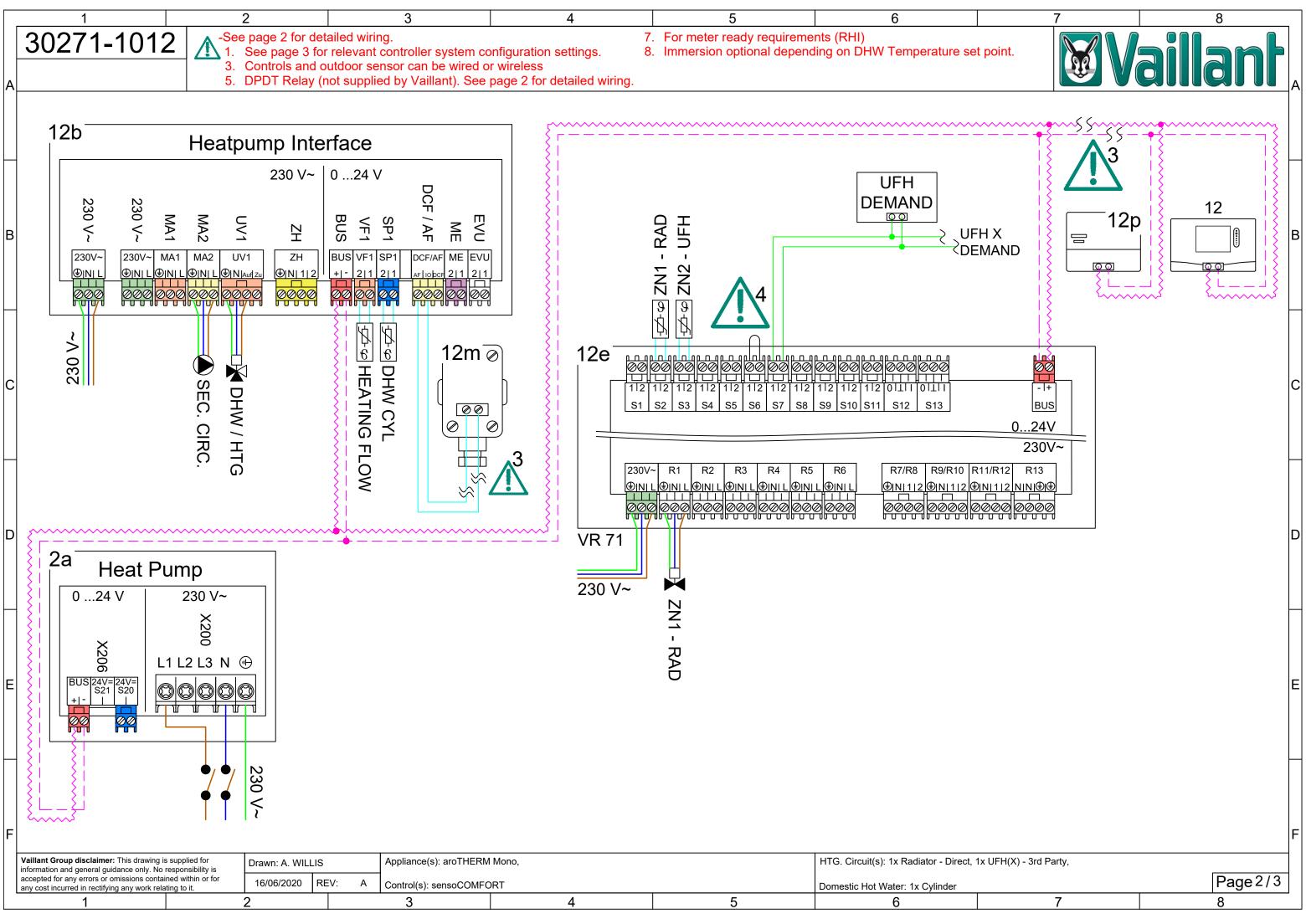


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ľ		S	ensoCOMF	ORT / VRO	700 System Co	onfiguration		
Ì	Not all settings are displaye	ed, commissioning of the co	ontroller should b	e done diligently;	joing through each adjusta	ble option with consideration	to the property and system	requirem
ľ	Setting	Value	Setting	Value				
Ì	Installation		Circuit	2	1			
1	Adapt. heat curve: Deactiva	ated	Circuit type:	Heating	1			
ľ	Hybrid manager: Bivalend	ce pt OT	switch-off threshold:	30°				
ľ	Heating bivalence point: -20°		Heat curve:	**Site specific				
ľ	DHW bivalence point: -20°	Min. tar	get flow temperature:	15°				
ĺ	Alternative point: Off	Max. tar	get flow temperature:	45°				
	ESCO: Heating	off	Set-back mode:	Normal				
	Back-up boiler: Off		Room temp. mod.:	Expanded				
ľ	Conf. ext. input: Bridge,	deactiv.	Zone					
ł	Basic system diagram co	nfig.	Zone activated:	Yes				
ſ	Basic system diagram code: 8		Zone assignment:	Control				
ľ	FM5 configuration: 3		Zone	2				
İ	FM5 MO: Not wor	king	Zone activated:					
	HP control module configu	ration	Zone assignment:	Rem. contr. 1				
ľ	MO 2: Circulati	ion pump	Domestic hot	water				
Ì	Circuit 1		Cylinder:	Active				
ľ	Circuit type: Heating		Anti-legio. day:	**User preference				
ł	OT switch-off threshold: 30°		Anti-legio. time:	**User preference				
ŀ	Heat curve: **Site sp	pecific Cyl	inder charging offset:	15 K				
ŀ	Min. target flow temperature: 15°	Cyl.	charg. anti-cycl. time:	5 min				
ł	Max. target flow temperature: 45°				1			
ΞÌ	Set-back mode: Normal							
ŀ	Room temp. mod.: Expande							
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ľ	Vaillant Group disclaimer: This drawing is suppl information and general guidance only. No respon		Applian	ce(s): aroTHERM Mon),		HTG. Circuit(s): 2x Radiator - Dir	rect, ,
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FIED, GAS Image: Constraint of the secondary Circulation Pump A 02 aroTHERM Monoblock 3e Secondary Circulation Pump 05 uniSTOR DHW Cylinder 08e Development A 08e Desure Relief Valve 08e DHW Inlet Safety Group Development B 09e Zone Valve 09g Diverter Valve Development B 09f Bypass Valve 09g Diverter Valve Development B 09f Fill / Drain Valve 09g Expansion Vessel Service Valve Development B 09f Fild / Drain Valve 09g Expansion Vessel Service Valve Development B 01c Non-return Valve 10e Y Strainer 10ic Romertan Valve B 10c Non-return Valve 10e Y Strainer 10ic Romertan Valve B 11 Immersion Heater 12 SensoCOMFORT 12 VR92 12b Heating Flow C 12m Outdoor Temperature Sensor 12p Wireless Reciever 16 Rotary Isolator 17 Electric Meter 10/cont							
A. 02 aroTHERM Monoblock 03e Secondary Circulation Pump 05 uniSTOR DHW Cylinder 06e Pressure Relief Valve 06e DHW Inlet Safety Group 07e Expansion Vessel 09d Bypass Valve 09d Bypass Valve 10d Fill / Drain Valve 11 Immersion Heater 12 Senso COMFORT 12 S		7			8		_
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Low Voltage Demand Signal eBUS + eBUS - Indicates Cable Junction Indicates No. of cable cores Page 3/3		Dome Dome Heatir Heatir Glyco Glyco 230/4 Low V	Lestic Cold V estic Hot W ng Flow ng Return I Flow I Return 00V Wire /oltage Ser	L Vater ater nsor Wire			E
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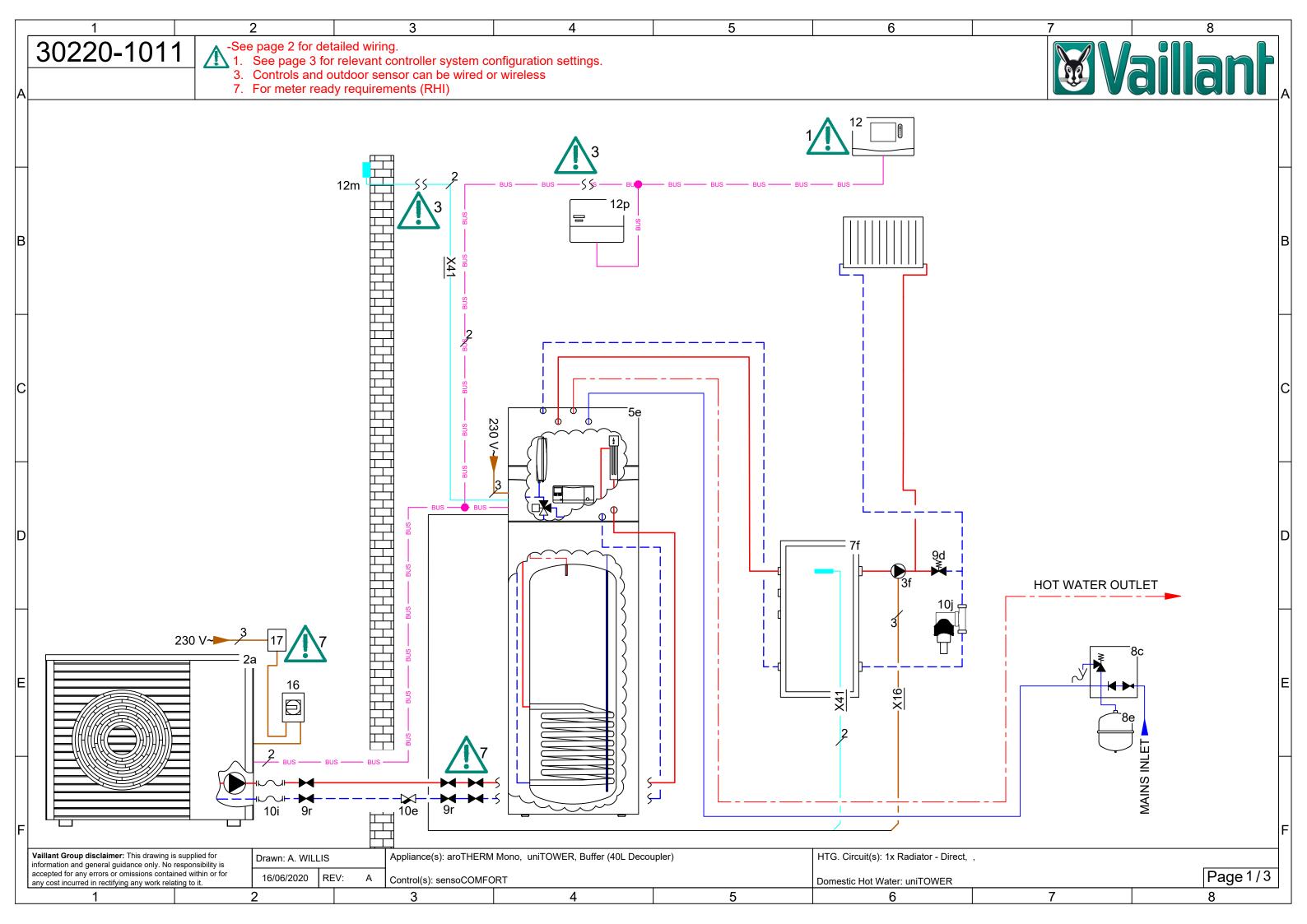


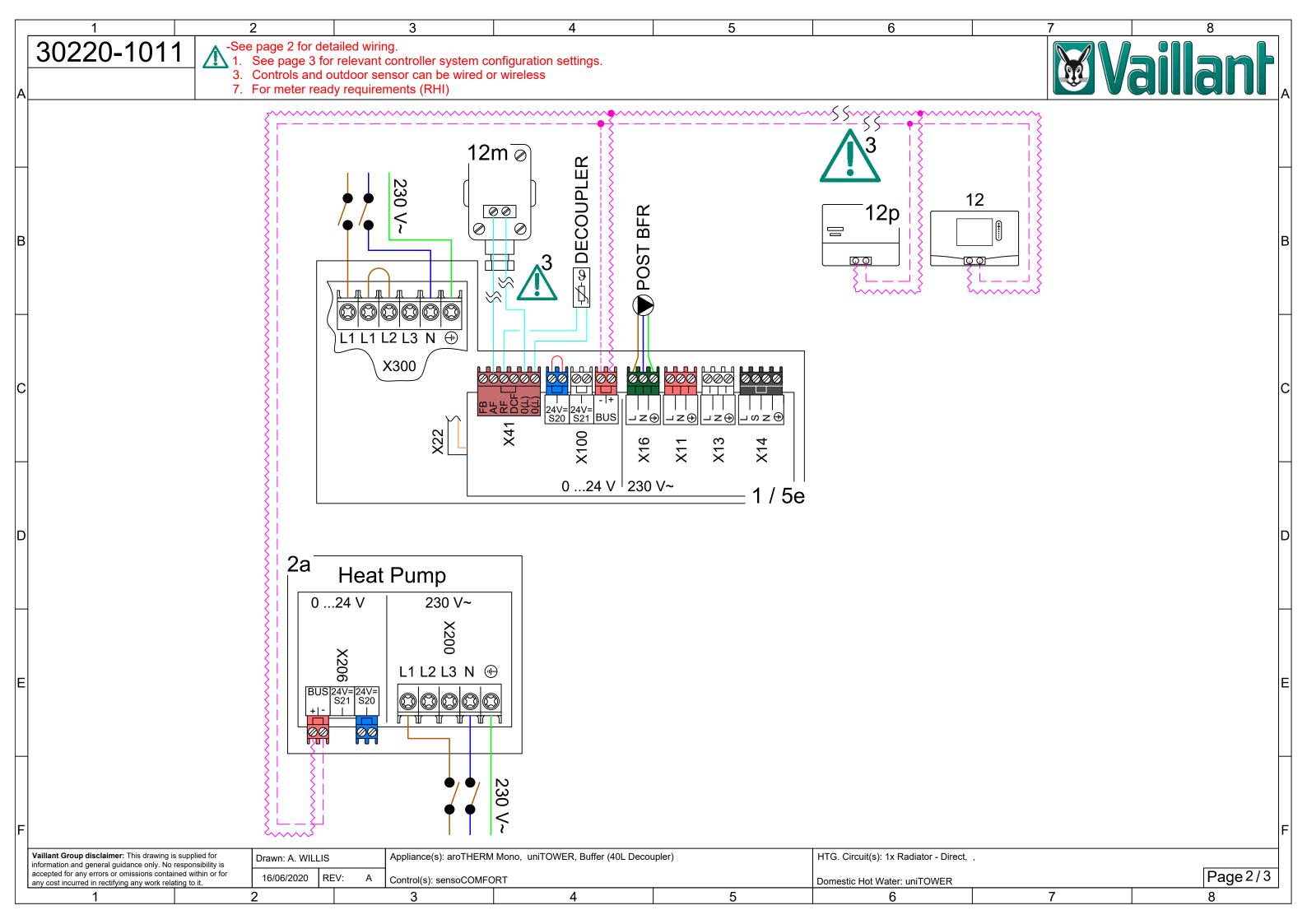




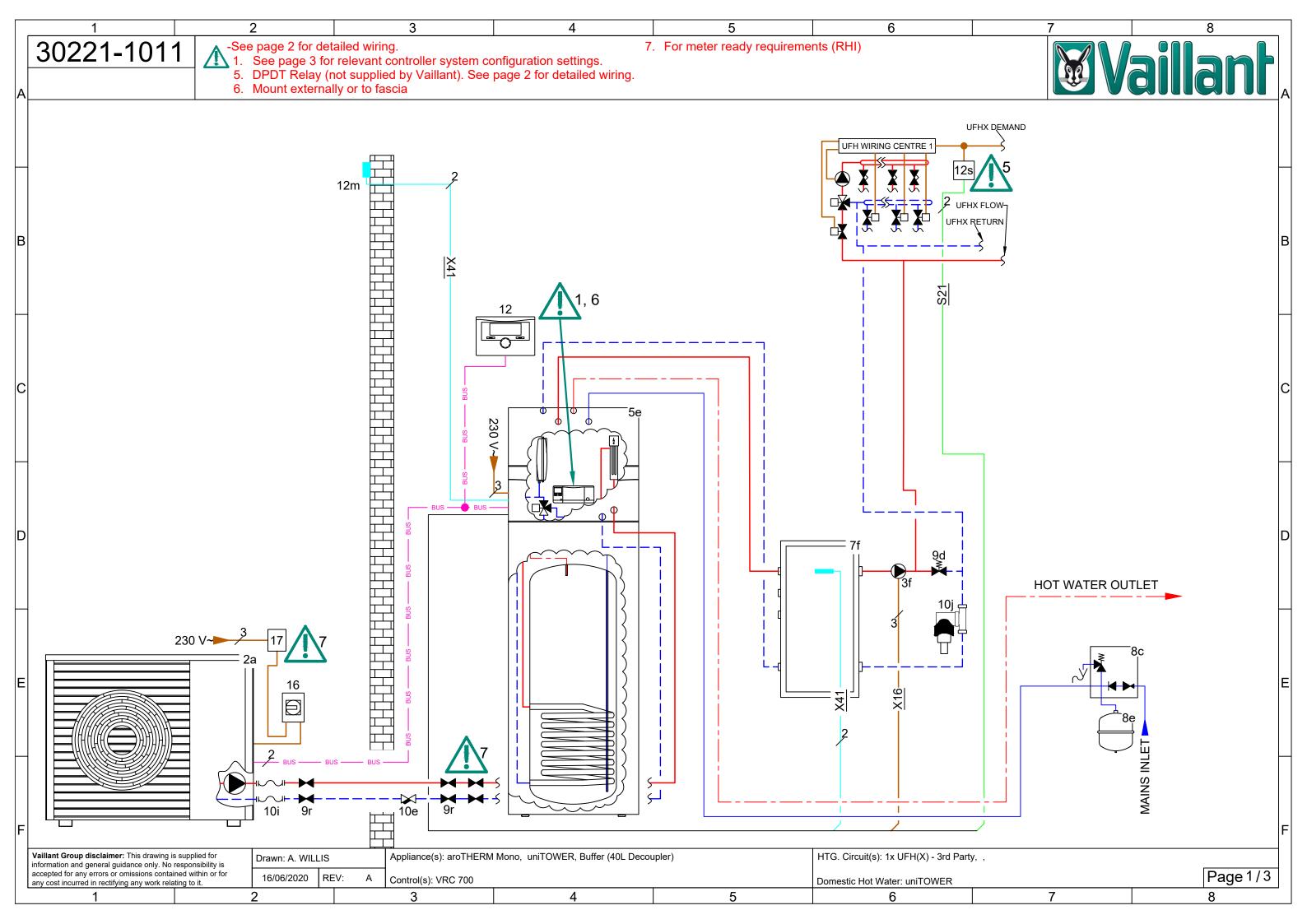
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┢	Setting	Value		Setting	Value				rioquion
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ſ	Adapt. heat curve:		┥┌┻┼	Circuit type		4			
┢	•	Bivalence pt	┥│┝	OT switch-off threshold	-	{			
_		-20°	- -	Heat curve		-			
	DHW bivalence point:	-20°	- -	Min. target flow temperature					
	Alternative point:			Max. target flow temperature					
•		Heating off	- -	Set-back mode					
		Off		Room temp. mod	_				
	Conf. ext. input:	Bridge, deactiv.	- -	Zone	21				
	Basic system diag			Zone activated					
	Basic system diagram code:	8	- I F	Zone assignmen	t: Control				
	FM5 configuration:	3		Zone	92				
	FM5 MO:	Not working	- I F	Zone activated					
Ī	HP control module of	onfiguration	- I F	Zone assignmen	t: No assignmt				
	MO 2:	Circulation pump	- I F	Domestic h	ot water	1			
	Circuit	1	$\neg \mid \vdash$		r: Active	1			
ſ	Circuit type:	Heating	1	Anti-legio. day	/: **User preference	1			
Γ	OT switch-off threshold:	30°	\neg	Anti-legio. time	e: **User preference	1			
	Heat curve:	**Site specific	\neg	Cylinder charging offse	t: 15 K	1			
-	Min. target flow temperature:	15°	$\neg \mid \vdash$	Cyl. charg. anti-cycl. time	: 5 min	1			
-	Max. target flow temperature:	45°				-			
	Set-back mode:	Normal							
_	Room temp. mod.:	Expanded							
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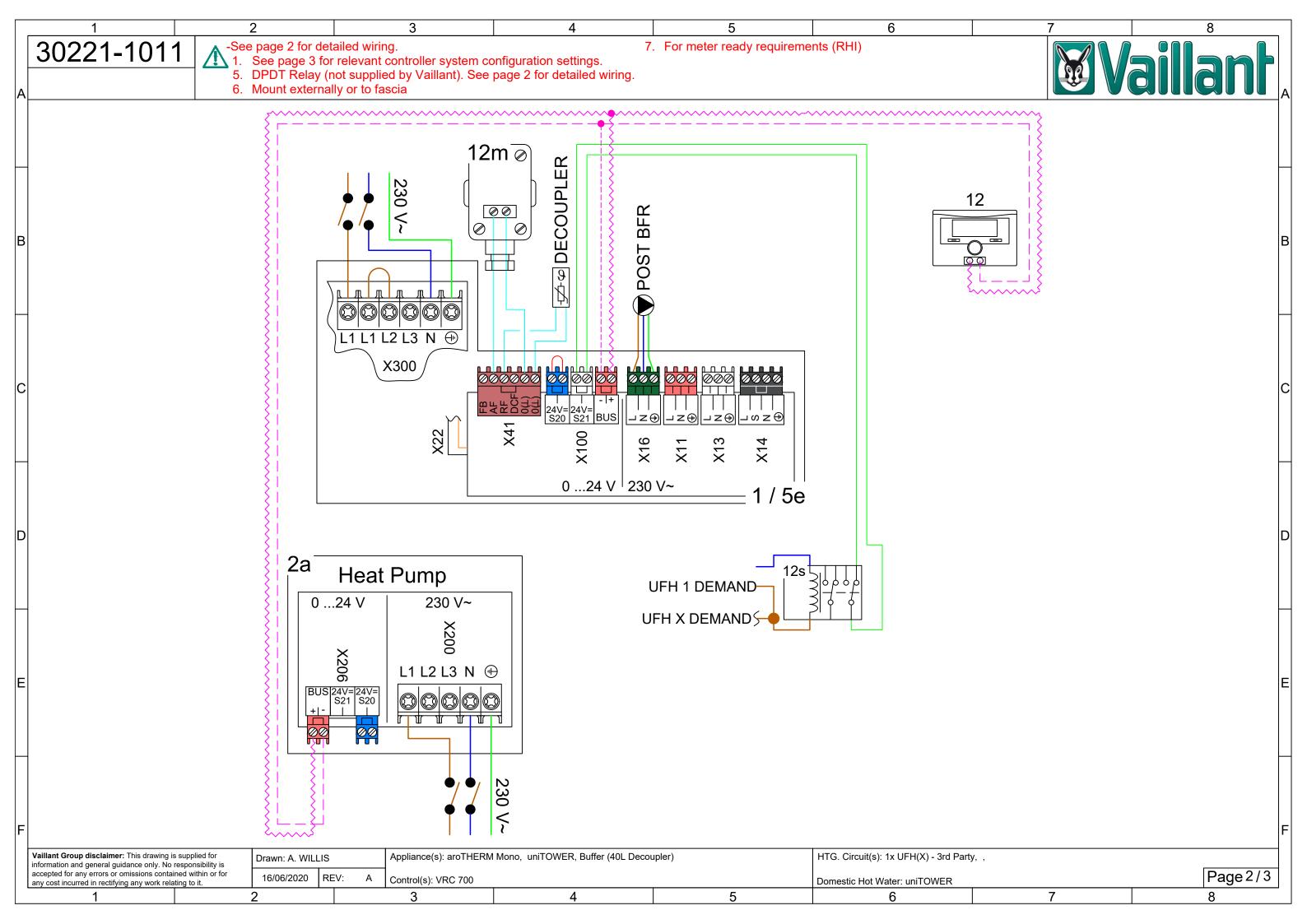
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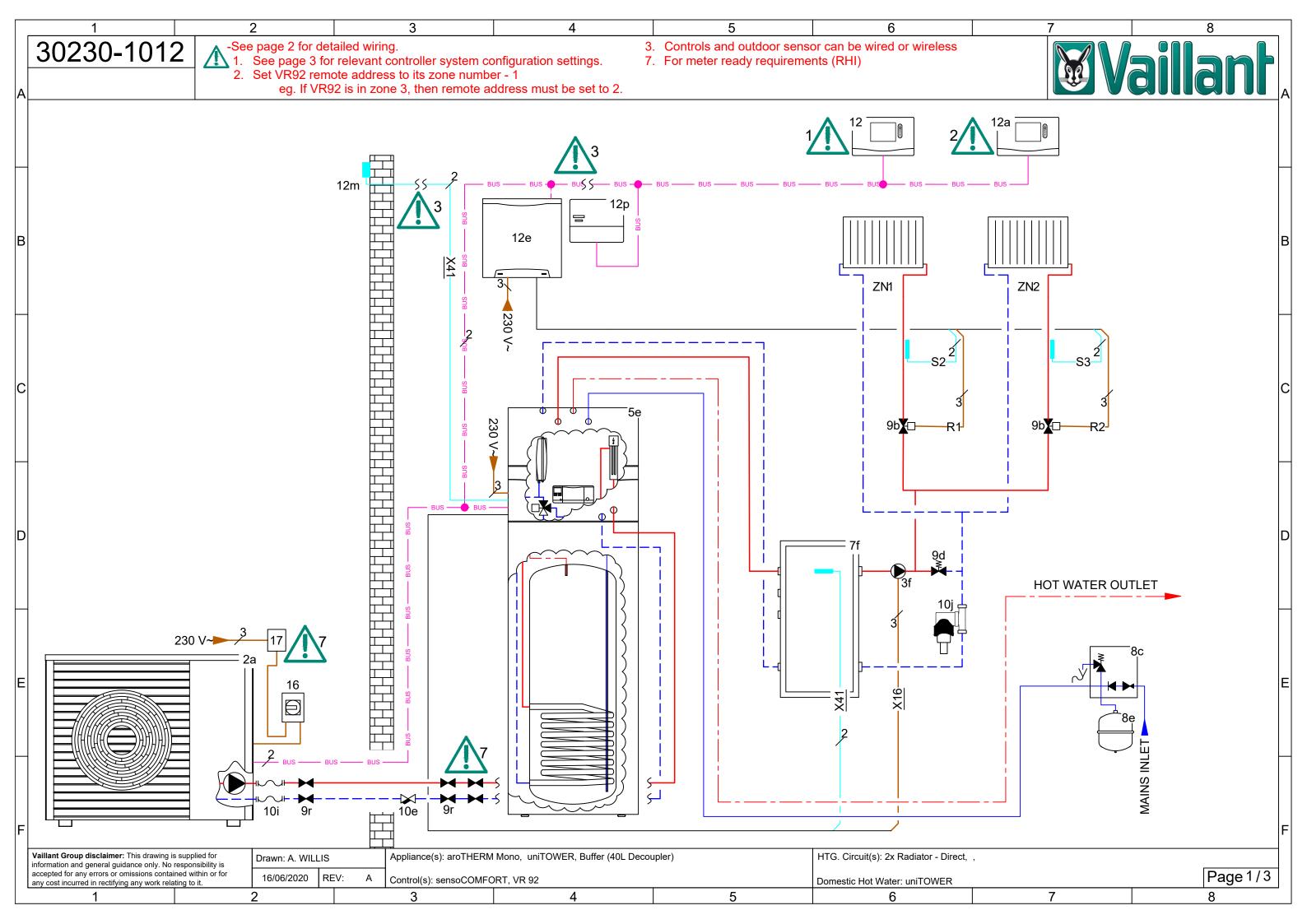


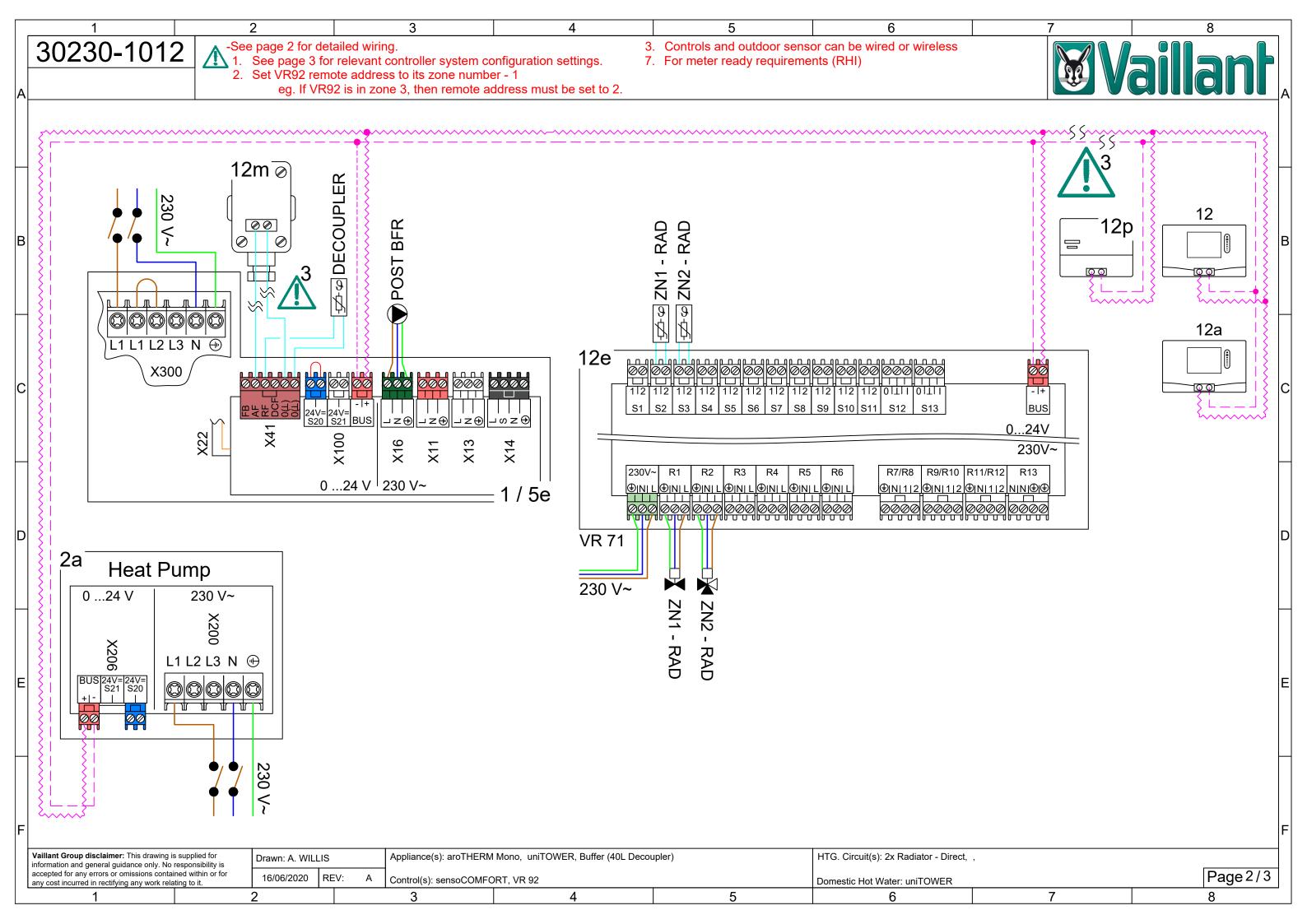
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e				-	vithout limitation, damage for loss of business	or loss of profits) arising directly or indi	rectly from your use of or inability to use, this	diagram.	08e Heating / DHW Expa 09d Bypass Valve	nsion Vessel	
7	. Vaillant makes no representations	or warranties of a	ny kind, express or implied	d about the completeness, accur	acy, reliability or suitability of the diagram for	any purpose. Any reliance you place on	the diagram is therefore strictly at your own	risk.	09r Isolation Valve		
8	. These disclaimers and exclusions	shall be governed	l by and construed in acco	rdance with English law.					10e Y Strainer		
в			sens	soCOMFORT /	VRC 700 System Co	onfiguration			10i Flexible Connection10j Magnetic Filter12 sensoCOMFORT		В
	Not all settings are display	yed, commiss	sioning of the contro	ller should be done dilig	ently; going through each adjusta	ble option with consideration	to the property and system requ	irements.	12m Outdoor Temperatur	e Sensor	
	Setting	Value		-					12p Wireless Reciever 16 Rotary Isolator		
	Installation								17 Electric Meter		
	Adapt. heat curve: Deacti	tivated									
	Hybrid manager: Bivale	ence pt									
	Heating bivalence point: -20°										
	DHW bivalence point: -20°										
	Alternative point: Off										C
i 🗖	ESCO: Heatin	ng off									
ίĽ	Back-up boiler: Off										
	Conf. ext. input: Bridge	e, deactiv.									
	Basic system diagram c	onfig.									
	Basic system diagram code: 10										
	HP control module config	juration									
	MO 2: Not co	onnected									
	Circuit 1										
ΙL	Circuit type: Heatin	ng									
	OT switch-off threshold: 30°										
i L		specific									
	Min. target flow temperature: 15°								A 10/00/2020	r & rotary isolation added to 2,E utdoor module.	
	lax. target flow temperature: 45°									SCRIPTION ZON	NE
	Set-back mode: Norma								Domestic Cold Water Domestic Hot Water		<u> </u>
	Room temp. mod.: Expan	nded							Heating Flow Heating Return		
E	Zone1								Glycol Flow		
	Zone activated: Yes								Glycol Return		
	Zone assignment: Contro								230/400V Wire Low Voltage Sensor Wire		
	Cylinder: Active								Low Voltage eBUS	—— BUS —	
	-	e er preference							Low Voltage Demand Sign eBUS +	al — BUS —	
$ \vdash$		er preference							eBUS -		\sim
$ \vdash$	Cylinder charging offset: 15 K								Indicates Cable Junction	— вus —	
╔┝	Cyl. charg. anti-cycl. time: 5 min									٦ _3	
Ľ			l						Indicates No. of cable core	· · · · ·	
inf	illant Group disclaimer: This drawing is sup ormation and general guidance only. No resp	onsibility is	Drawn: A. WILLIS	Appliance(s): aroTHE	RM Mono, uniTOWER, Buffer (40L Decou	pler)	HTG. Circuit(s): 1x Radiator - Direct,				
ac	cepted for any errors or omissions contained y cost incurred in rectifying any work relating	within or for	16/06/2020 REV:	A Control(s): sensoCOM	IFORT		Domestic Hot Water: uniTOWER			Page 3/3	3
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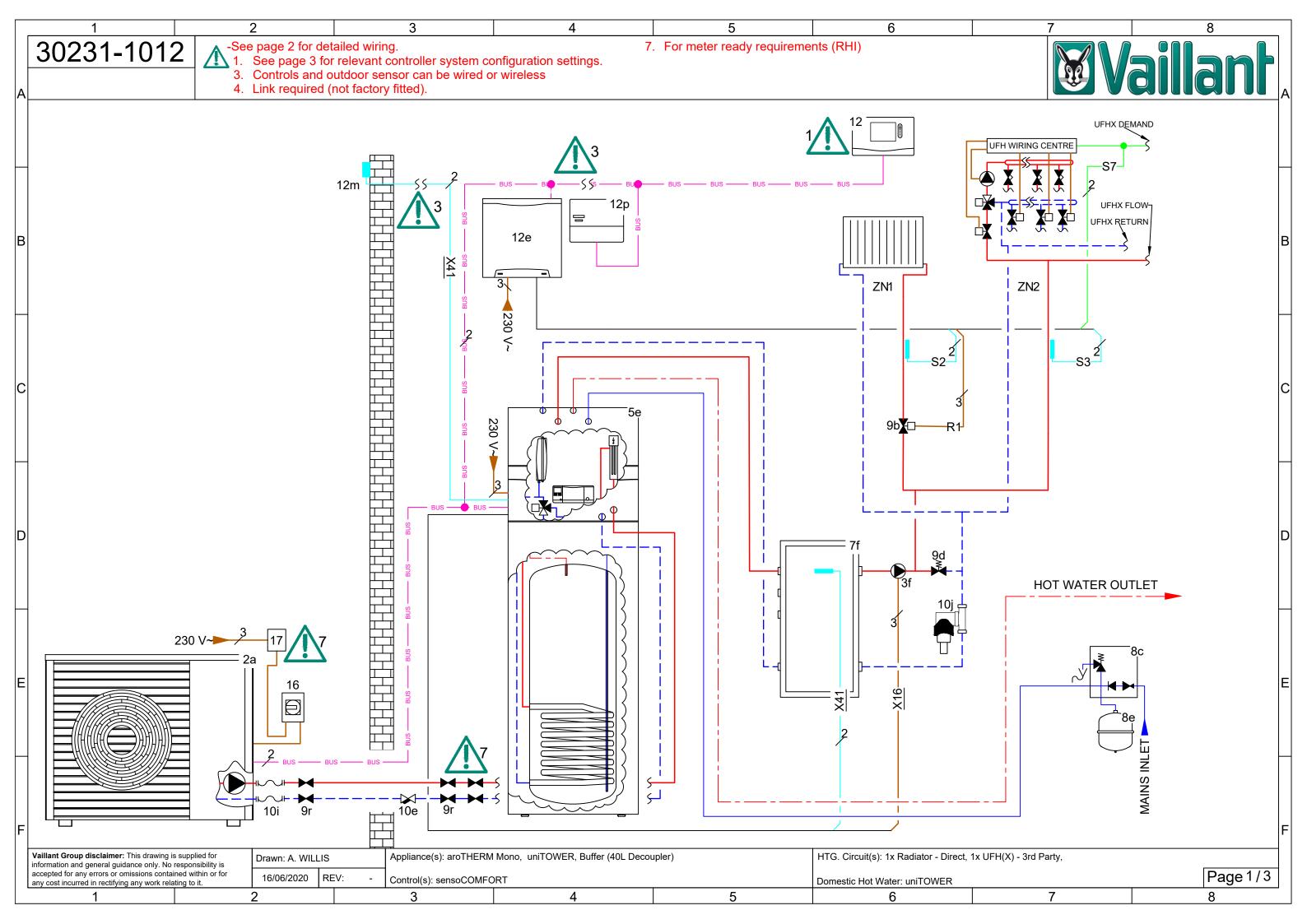
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8. These disclaimers and exclusions shall be governed by and construed in accordance with English law. 10e Y Strainer 0i Flexible Connection 10i Magnetic Filter 10i Settings are displayed, commissioning of the controller should be done diligently; going through each adjustable option with consideration to the property and system requirements. 12m Outdoor Temperature Sen 12s DPDT Relay (3rd Party) 16 Rotary Isolator 17 Electric Meter 17 Electric Meter Hybrid manager Bivalence pt Bivalence pt Bivalence pt	
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Adaptive heat. curve No Configure heat. circ. Zone1 Hybrid manager Bivalence pt	
Configure heat. circ. Zone1 Hybrid manager Bivalence pt	
Hybrid manager Bivalence pt	
C Heat. bivalence point -20° DHW bivalence point -20°	C
Energy supplier Heat. off	
Auxiliary heater for DHW+ heat.	
System diagram configuration	
System diagram 10	H
Additional module	
Multi-function.output2 Not conn.	
Aux. heater output Stage3	
D HEATING1	
Type of circuit Heating	
Max limit outs.temp. 30°	
Heating curve **Site specific Minimum temperature 15°	v isolation added to
Minimum temperature 15° Maximum temperature 45° REV DATE DESCRII	module.
Auto Off mode Eco	
Room temp. mod. None	
Heating Return	
Glycol Flow - Zone activated: Yes	
Zone assignment: Without	
Low Voltage Sensor Wire	DUC
	BUS
Anti-legionella day **User preference eBUS + eBUS - eBUS -	
Anti-legionella time **User preference	
	<u>ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا ا </u>
F DHW req. anti-cy time 5 min	
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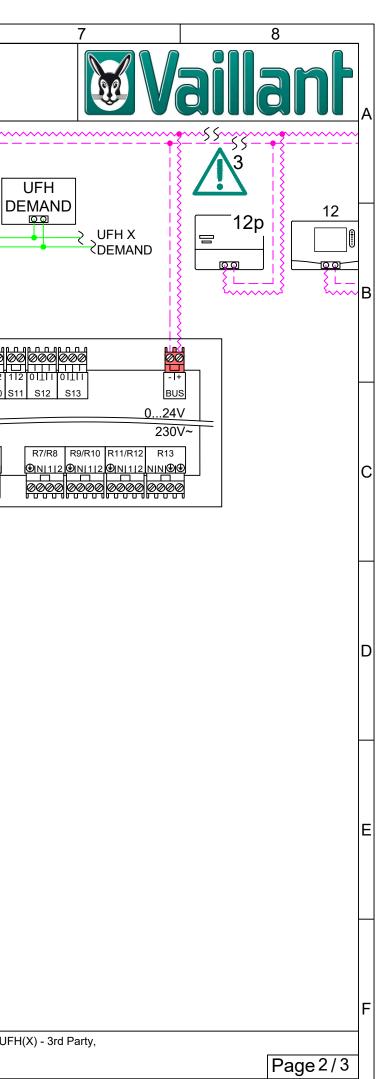


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-	Hybrid manager:			- -	OT switch-o								
•	Heating bivalence point:	-20°				Heat curve:							
	DHW bivalence point:	-20°		\dashv	Min. target flow to	emperature:	15°						
	Alternative point:	Off			Max. target flow to	emperature:	45°						
	ESCO:	Heatin	ng off	\dashv -	Set-	back mode:	Normal						
	Back-up boiler:	Off	-	\dashv		temp. mod.:							
	Conf. ext. input:	Bridge	e, deactiv.	- I F		Zone	1						
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-	Set-back mode:		al	+									
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į	formation and general guidance only. No responsibility is ccepted for any errors or omissions contained within or for ny cost incurred in rectifying any work relating to it.			16/06/2020 REV: A Control(s): sensoCOMFORT, VR 92							Domestic Hot Water: uniTOWER		
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agram. k. ments.	 08c DHW Inlet Safety Group 08e Heating / DHW Expansion Vessel 09b Zone Valve 09d Bypass Valve 09r Isolation Valve 10e Y Strainer 10i Flexible Connection 10j Magnetic Filter 12 sensoCOMFORT 12a VR92 12e Wiring Centre - VR 71 	В
	12e Willing Centre - VR /1 12m Outdoor Temperature Sensor 12p Wireless Reciever 16 Rotary Isolator 17 Electric Meter	С
		D
	A 16/06/2020 Electric Meter & rotary isolation added to outdoor module. 2,E REV DATE DESCRIPTION ZONE Domestic Cold Water	E
	Low Voltage eBUS Low Voltage Demand Signal eBUS + eBUS - Indicates Cable Junction Indicates No. of cable cores	F
	Page 3/3	
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		30231-1012	-See page 2 for d 1. See page 3 f	etailed wiring.	7	. For meter ready requireme	ents (RHI)	
	╞	00201 1012		or relevant controller system co	nfiguration settings.			
				outdoor sensor can be wired o	rwireless			
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С	DHW bivalence point:			4	Min. target flow tem										
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