

	Stelrad Compact Radiators/Towel Rail Straight Chrome				
Emitter	Room	Туре	Height	Length	
Number	Name		mm	mm	
1	Bedroom 1/Dressing	Compact K1	450	700	
2	Bedroom 1/Dressing	Compact K1	450	700	
3	Bedroom 1/Dressing	Compact K1	450	400	
4	Bedroom 2	Compact K1	450	900	
5	Bedroom 3	Compact K1	450	800	
6	Bedroom 4	Compact K1	450	700	
7	Landing	Compact K1	600	600	
8	Bathroom	Towel Rail Straight Chrome	1800	500	
9	En-Suite	Towel Rail Straight Chrome	1800	600	

	ANCILLARY EQUIPMENT LOGIC H
Boiler	Ideal Heat only HE 18 [SAP Ref:
Boiler	Rated output 18 kW
Plastic Pipe-work	Pipe-work & fittings by Hepworth
Cylinder	Ideal thermstore 210 Litre un-ven
Heating pump	Grundfos Alpha 2 15-60.
Pressurisation Unit	Flamco cubexpak 18/05 type B
Programmable 'stat	Honeywell CM707.
Time clock	Honeywell ST9100C time clock
Motorised Valves	Honeywell V4043H 22mm Heatin
T.R.V.s	Honeywell VT117E to rooms as li
T.R.V.s	To all radiators except room stat r
Radiator Valves	Peglers Terrier with D.O.C.
Cleaner & Inhibitor	Suitable Adey, Fernox or Sentinel
	with the manufacturers instruction
Scale Inhibitor	Ideal electrolitic scale inhibitor (if r
Additional kits	Honeywell DU145 Automatic by-p
	Honeywell frost pipe stat (If Requi
	Adey Magnaclean Filter (If Approv

Underfloor Heating and Ancillary Equipment to be specified and designed by others

SCHEDULE & SPECIFICATION <u>MUST</u> BE CHECKED WITH CLIENT PRIOR TO INSTALLATION.

IDEAL DESIGN OFFICE PO BOX 103	CLIENTS NAME Howarth Homes Ltd		DRAWING TITLE	SCA
NATIONAL AVENUE KINGSTON UPON HULL	CLIENTS ADDRESS: 54 Oxford Road	DEVELOPMENT TYPE- Slough Road, Datchet	Schedule of Equipment	DRA
HU5 4JN Tel 01482 498305	Uxbridge UB9 4DN	DWELLING TYPE - Units 7,8 & 9		DRA



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DRAWING No.	11167-05	SHEET 1 of 7

This system has been designed in accordance with CIBSE, BS Standards, The 1. Building Regulations, NHBC Technical Standards and the clients own specification, where applicable, at the time of design to the temperatures specified and operating under continuous operation. However, to maintain these temperatures during extreme conditions it may be necessary to provide a supplimentary heat source.

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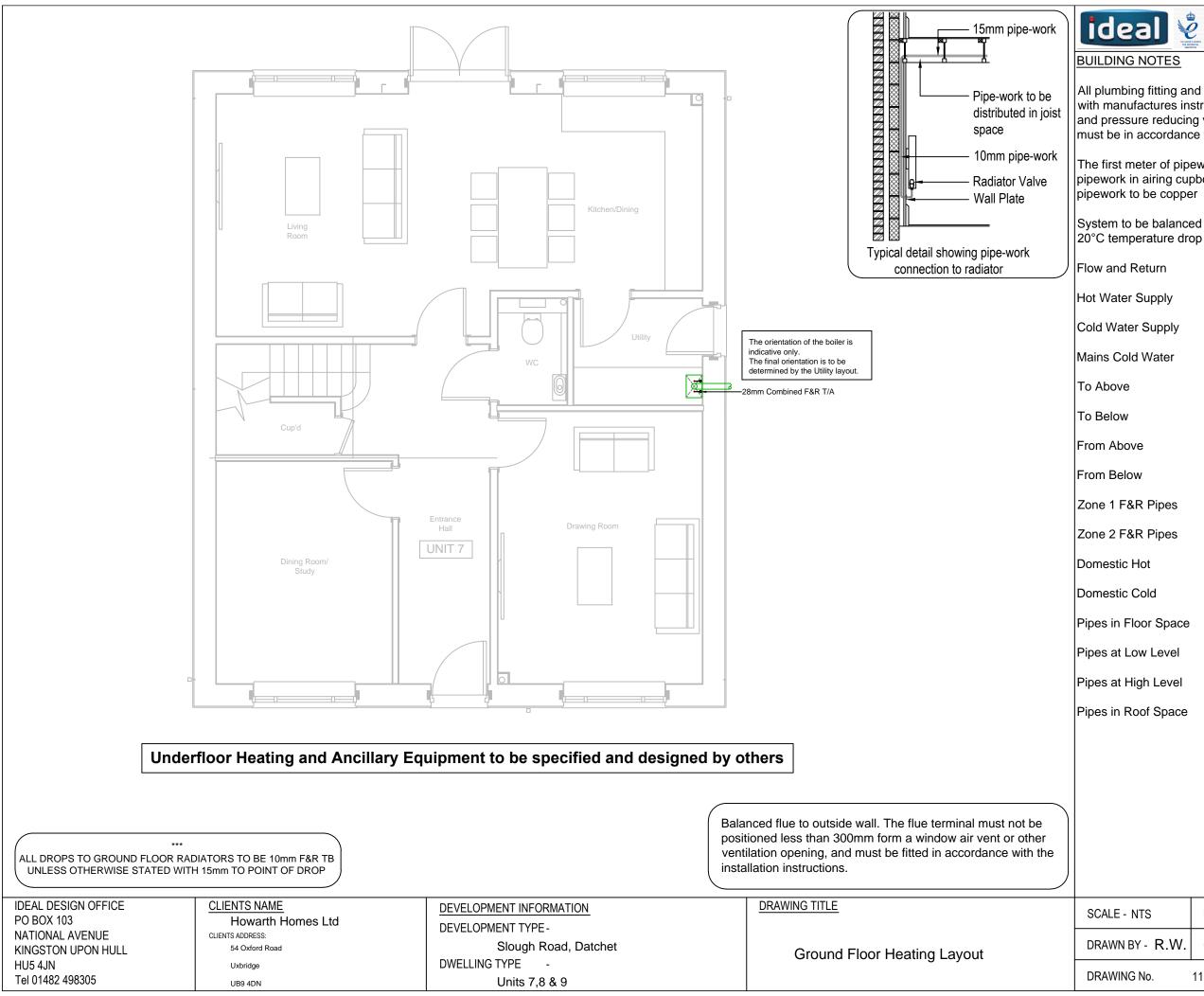
- 2. It is the responsibility of the installer to fully complete the Ideal Group Benchmark Insallation, Commissioning and Servicing Record Log Book provided with the boiler.
- The installation MUST comply with the current edition of the Building Regulations, all 3. Codes of Practice, British Standards & the boiler installations instructions provided with the boiler.
- 4. The Design is based upon drawings and information received and therfore it's accuracy and performance is dependant on that information being correct.
- Where boilers are to be located in cupboards / kitchen units these may have to be 5. ventilated. See the specific boiler installation instructions and the British Standard 5440 : Part 2 :2000.
- The flues shown on the drawing are to be used as a guide only with the terminal 6. positions to comply with British Standard and Building Regulations. Where twin pipe flue and / or extended runs of flue are to be used the types & exact runs are to be determined by the installer on site with special attention being taken to ensure the correct gradient of the flue is maintained.
- 7. All radiators / towel rails to be securely fitted with the brackets provided & with a minimum clearance beneath the emitter of at least 100mm and 50mm above. All Radiators with an output exceeding 1500W MUST have a 15mm supply, this will generally be indicated on the drawing.
- 8. Where applicable, a pre-insulated indirect cylinder manufactured to the relevant British Standards, and a capacity of at least that indicated on the drawing shall be positioned all as shown on the drawing.
- 9. All pipework to be laid to fall to allow ease of draining and venting with air vents at all high points and drain cocks at all low points.
- 10. The design for the DHW is based upon suffient mains cold water flow and pressure to enable correct operation of the system. If this is insufficient then a suitable accumlator and pressure booster pump may need to be fitted. A water sofner may also need to be fitted and this needs to be checked on commissioning and installation of the system.
- 11. When the system requires a pressurisation unit the size and type shall be as indicated on the drawing. All the equipment shall be installed in accordance with the manufacturers specific installation instructions to ensure the correct operation of the equipment.

- 12. All pipework to be insulated in accordance with the Building Regulations & British Standard with specific attention being given to pipework in unheated areas such as roof spaces and garages.
- 13. Boilers that at are to be used in the high efficiency mode must have the condensate pipework and safety discharge pipe installed in accordance with the installation instructions provided with the boiler.
- 14. All the ancillary equipment specified must be installed to the manufacturers own installation instructions.
- 15. All Plumbing fittings & outlets to be fitted in accordance with the manufacturers instruction and be fitted with isolating / regulating valves.
- 16. All notching & drilling of floor joists to be carried out in accordance with B.S. 12828 : 2003, Figure NA.1 - Limitations on notching and drilling in structural joists.
- 17. The Ideal Design Service recommend all joints that are to be soldered should be made using a flux that is sparingly applied and any residue flushed out of the system before commissioning using, if necessary, a chemical cleanser. All as required by British Gas Specification for Wet Central Heating Systems.
- 18. It is recommended that the heating system be cleansed and treated with a corrosion inhibitor. The Ideal Design Service recommend the use of Adey, Sentinel or Fernox water treatment products & these should only be used in accordance with their own specific instructions.
- 19. The boiler shall be commissioned all in accordance with the installation instructions provided with the boiler. The system shall be balanced by regulating the flow rate to ensure a 20 C difference across the boiler. On each radiator the lockshield valve is to be adjusted to give a 20 C drop across the emitter.
- 20. As some of these items may be heavy, reference should be made to the installers own CDM requirements for lifting and installing of this equipment. Care should also be taken when handling the boiler insulation panels which may cause irritation to the skin. No asbestos, mercury or CFCs are included in any part of the boiler or its manufacture.
- 21. This drawing has been prepared by Ideal Group and remains their sole copyright and it must not be altered or ammended in any form without the written consent of the Ideal Group. It is also supplied on the understanding that it will be treated as confidential and will only be used by our client or their nominees for the purpose of installing the equipment specified.

PO BOX 103	DEVELOPMENT INFORMATION DEVELOPMENT TYPE -	DRAWING TITLE	SC	
NATIONAL AVENUE KINGSTON UPON HULL	CLIENTS ADDRESS: 54 Oxford Road	Slough Road, Datchet	Installation Notes	DR
HU5 4JN Tel 01482 498305	Uxbridge UB9 4DN	DWELLING TYPE - Units 7,8 & 9		DR



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DRAWING No.	11167-05	SHEET 2 of 7



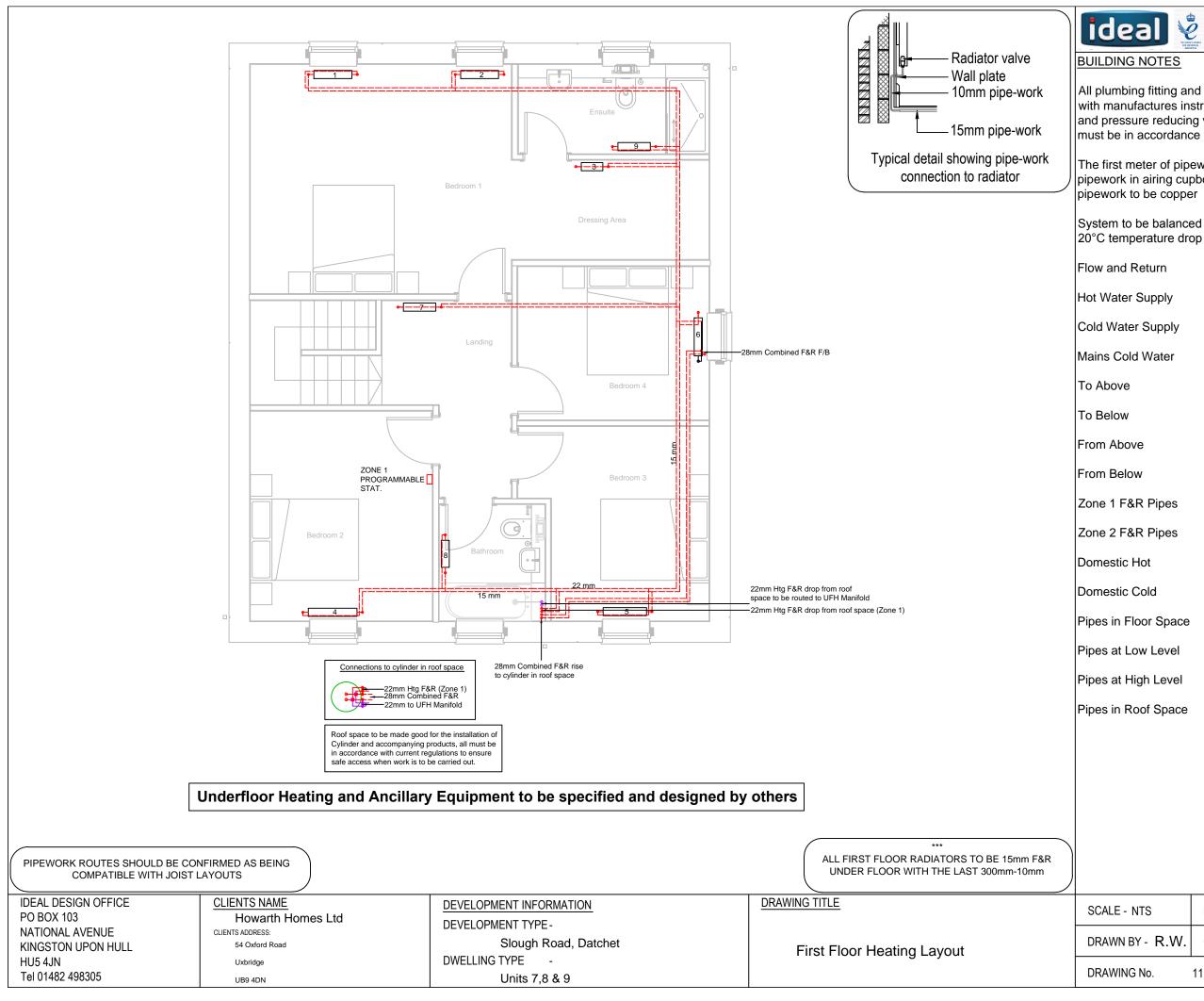


All plumbing fitting and outlets must be fitted in accordance with manufactures instructions and have isolating flow rate and pressure reducing valves as required. The installation must be in accordance with all relevant regulations.

The first meter of pipework from the boiler to be copper all pipework in airing cupboard to be copper all exposed

w and Return	-	F&R
t Water Supply	-	H.W.S
ld Water Supply	-	C.W.S
ins Cold Water	-	M.C.W.S
Above	-	T.A
Below	-	T.B
om Above	-	F.A
om Below	-	F.B
ne 1 F&R Pipes	-	
ne 2 F&R Pipes	-	
mestic Hot	-	_
mestic Cold	-	
oes in Floor Space	-	
bes at Low Level	-	
oes at High Level	-	
oes in Roof Space	-	

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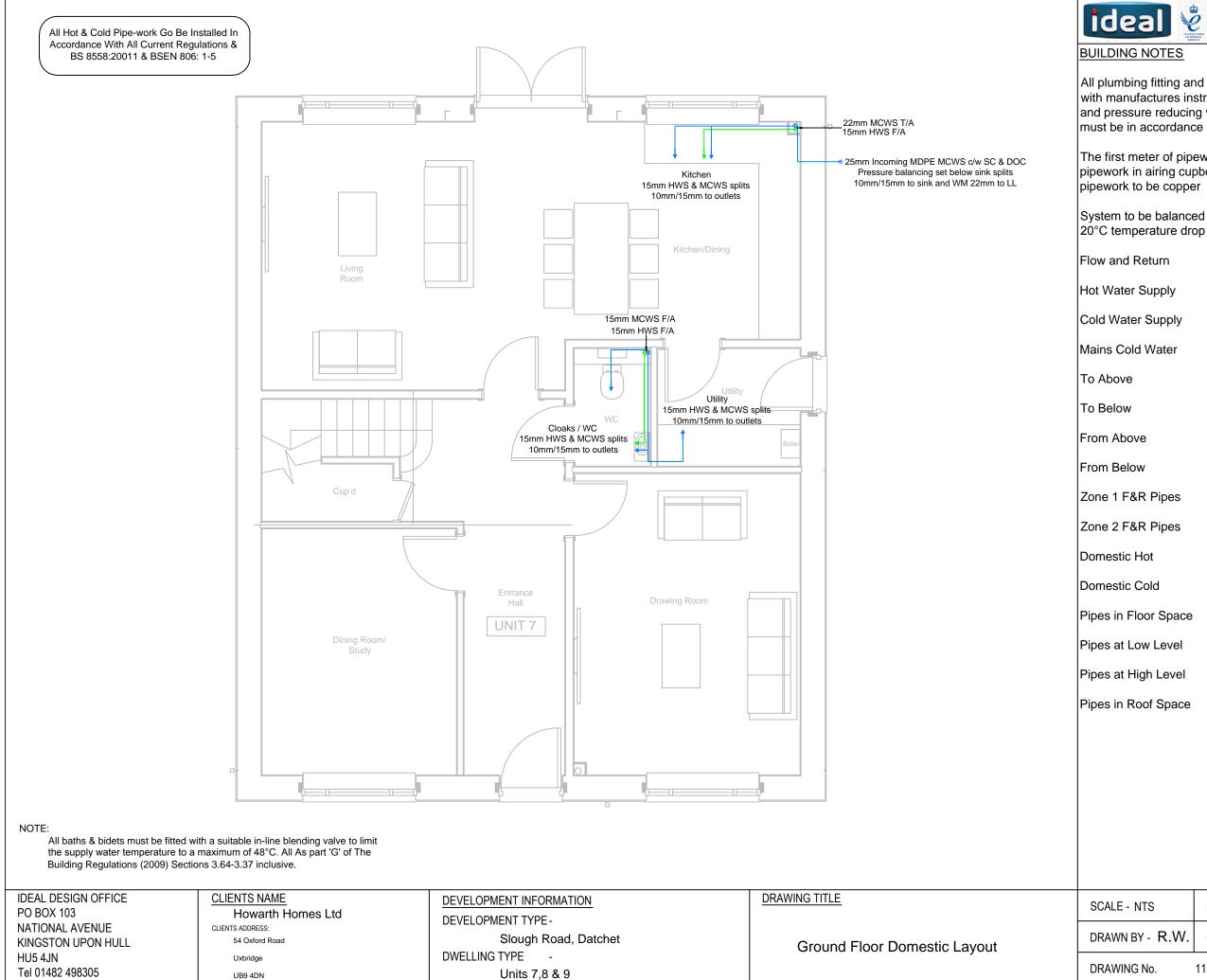


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oes at High Level	-	
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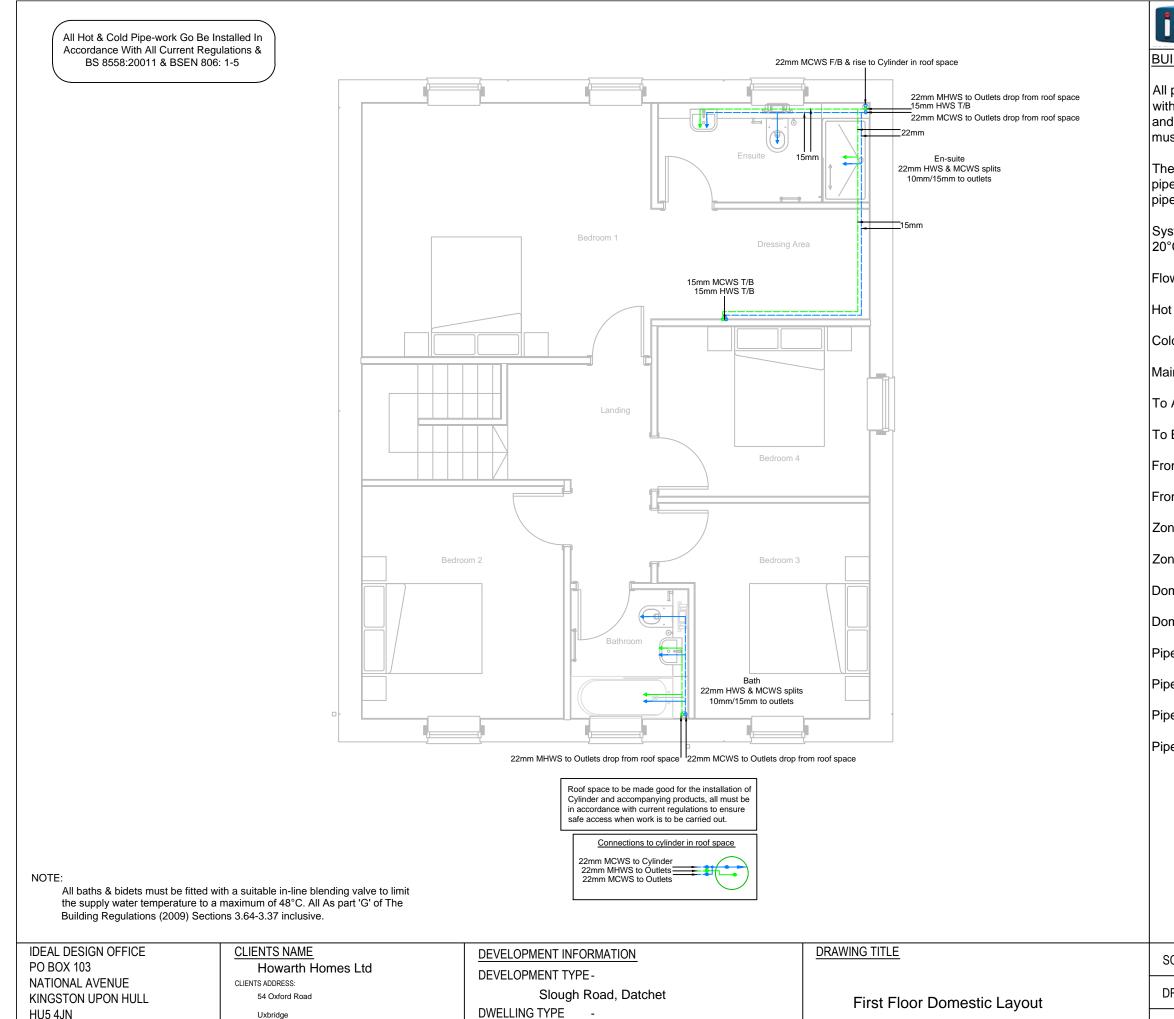


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Units 7,8 & 9

HU5 4JN

Tel 01482 498305

Uxbridge

UB9 4DN





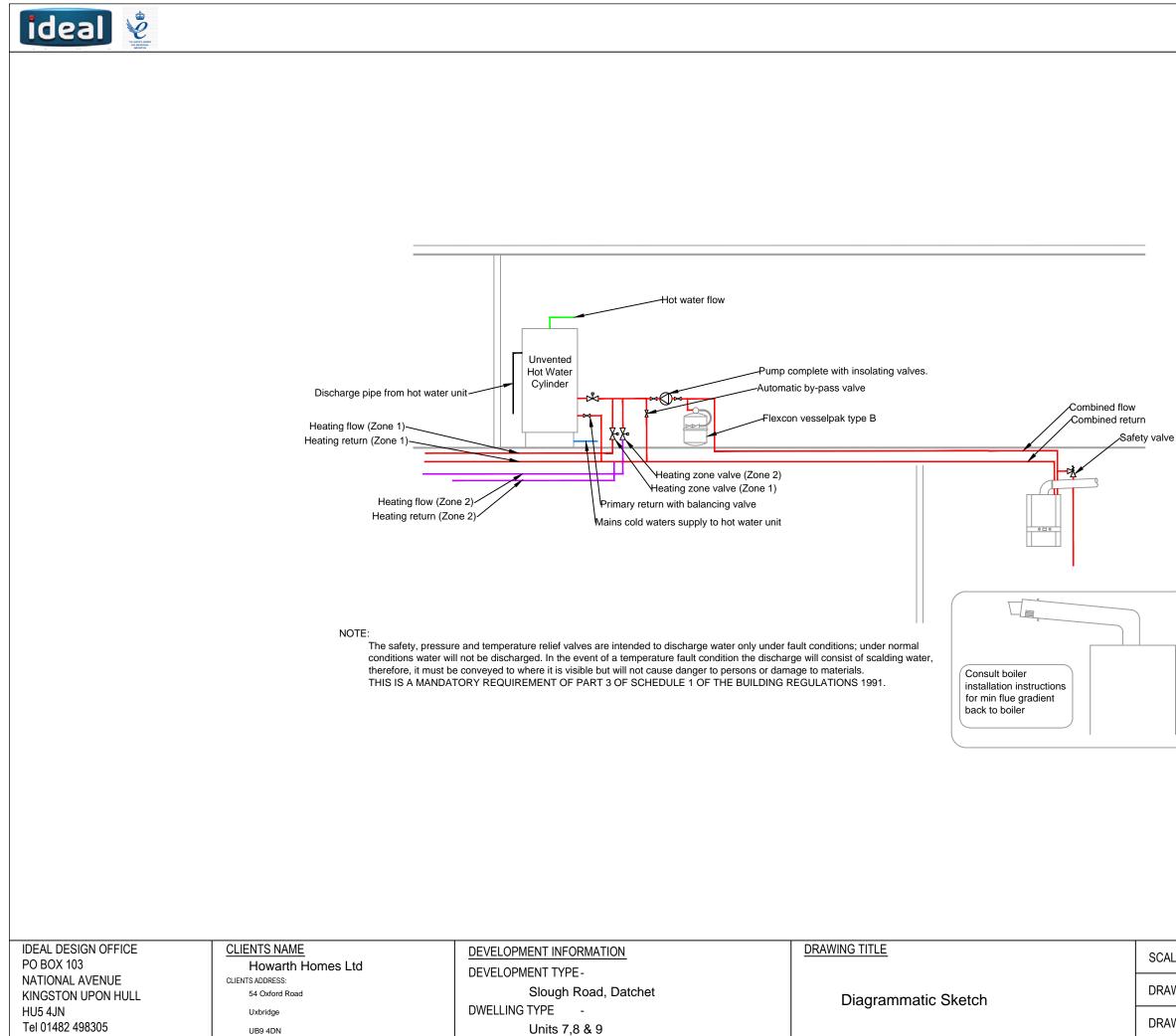
BUILDING NOTES

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DRAWING No.	11167-05	SHEET 6 of 7





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RAWING No.	11167-05	SHEET 7 of 7