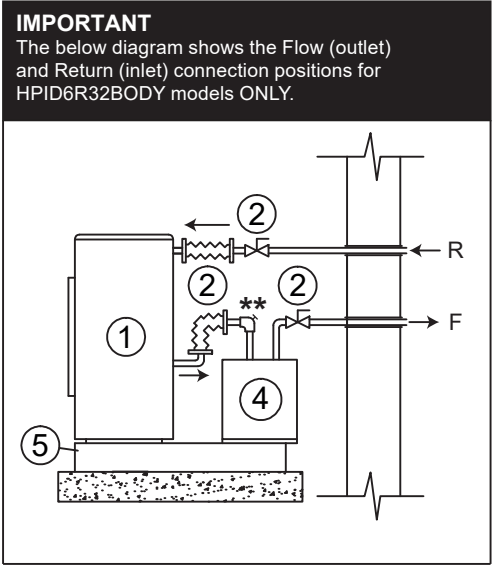


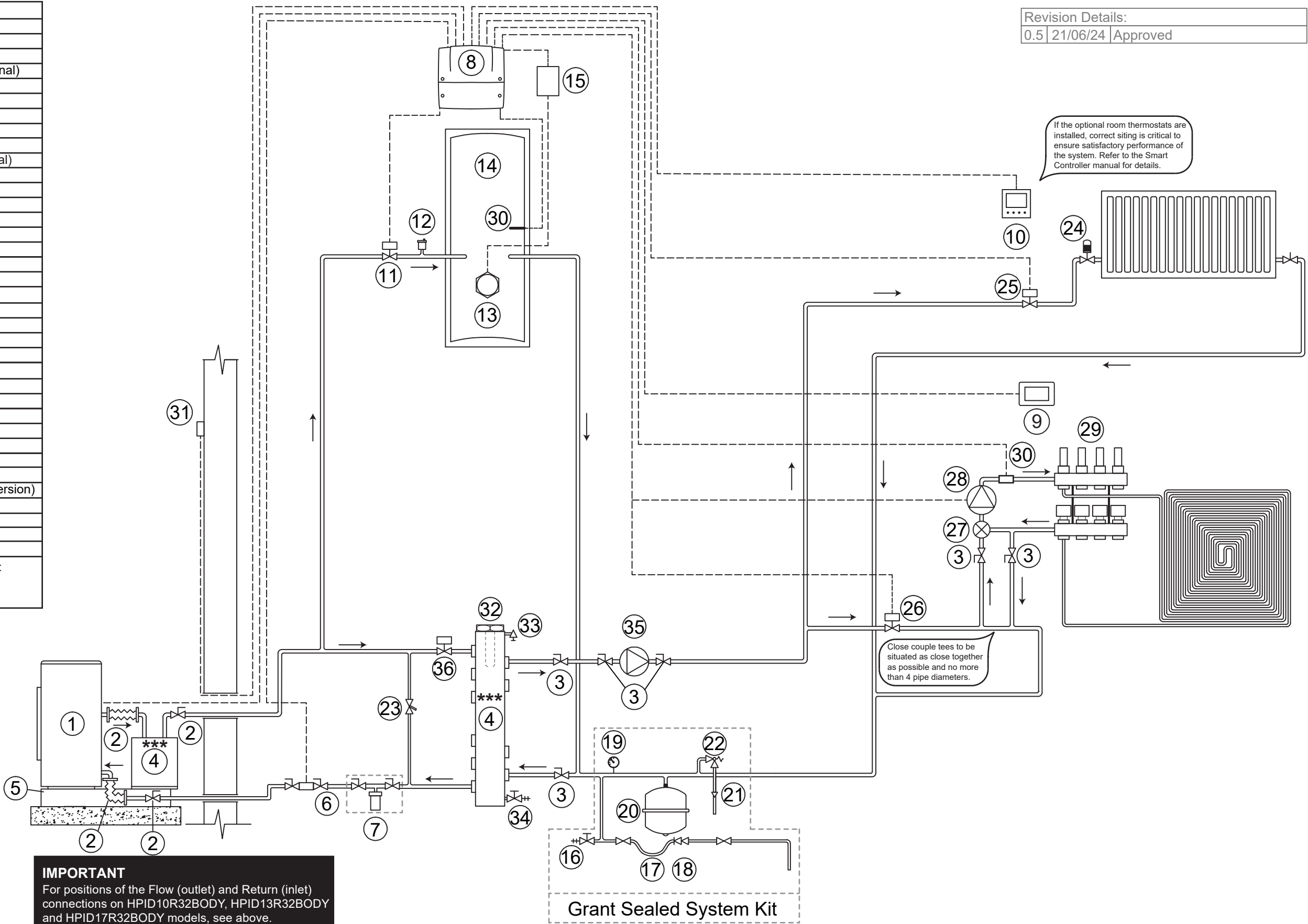
Item	Description
1	Aerona ³ ASHP
2	Flexible hose & Isolation Valves ¹
3	Isolation valve
4	Grant Volumiser or Low loss header*** (optional)
5	Anti-Vibration Mounts ²
6	Flow sensor ¹
7	Grant Mag One magnetic filter kit ²
8	Wiring Centre Smart Controls ¹
9	Touch Screen Display ¹
10	Room thermostat - HPIDSMARTHRT (optional)
11	Motorized 2-Port valve (DHW)
12	Automatic air vent
13	Cylinder immersion heater
14	DHW cylinder
15	Immersion heater relay ²
16	Drain point
17	Removable filling loop ²
18	Double check valve ²
19	Pressure gauge ²
20	Expansion vessel ²
21	Tundish
22	Pressure relief valve ²
23	Automatic bypass
24	Thermostatic radiator valve
25	Motorized 2-Port valve (Radiator circuit)
26	Motorized 2-Port valve (UFH circuit)
27	Thermostatic mixing valve
28	UFH pump
29	UFH manifold
30	Water temperature sensor ¹
31	Outdoor Weather Sensor ¹
32	Low Loss Header Auxiliary heater (3kW immersion)
33	Manual air vent
34	Drain point
35	Additional circulating pump
36	Motorized 2-Port valve (Master)
¹ Supplied with the HPIDR32SMART* Smart Controller Kit	
*Outputs available: 6, 10, 13 & 17 kW	
² Supplied with the HPIDR32PACKP	



**Compression elbow c/w air vent
(supplied with HPIDVOL30EXT6)



Scale: NTS
Paper Size: A3



IMPORTANT
For positions of the Flow (outlet) and Return (inlet) connections on HPID10R32BODY, HPID13R32BODY and HPID17R32BODY models, see above.

***	! NOTE!
***30L external volumiser or low loss header are available as an optional component where there is insufficient system volume or where hydraulic separation is required (HPIDVOLEXT30/HPIDSYSLLHKIT).	
! NOTE !	
Please refer to the Aerona ³ ASHP installation instructions for details of the flow and return connections at the heat pump.	

! NOTE !	
For additional heater support from Grant External Volumiser, Refer to Grant Aerona Smart Controller installation manual and Schematics HPCS-BUHS and HPCS-BUHE.	
! NOTE !	
This system schematic should be read in conjunction with the Grant Aerona Smart Control installation instructions and wiring diagram HPCS-P003ER32.	

Project Title: Grant Aerona Smart Controls Installation Pack P S-Plan Plus type system with Low Loss Header Radiator Upstairs - UFH Downstairs HW priority & Legionella Protection from wiring centre (System schematic)	
Drawing Set: Aerona Smart Control System Schematics	Dwg. No: HPCS-P003SR32
Status: Approved	Revision: 0.5
Rev Date: 21/06/24	Drawn By: AC&DB
Checked By: NS	
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