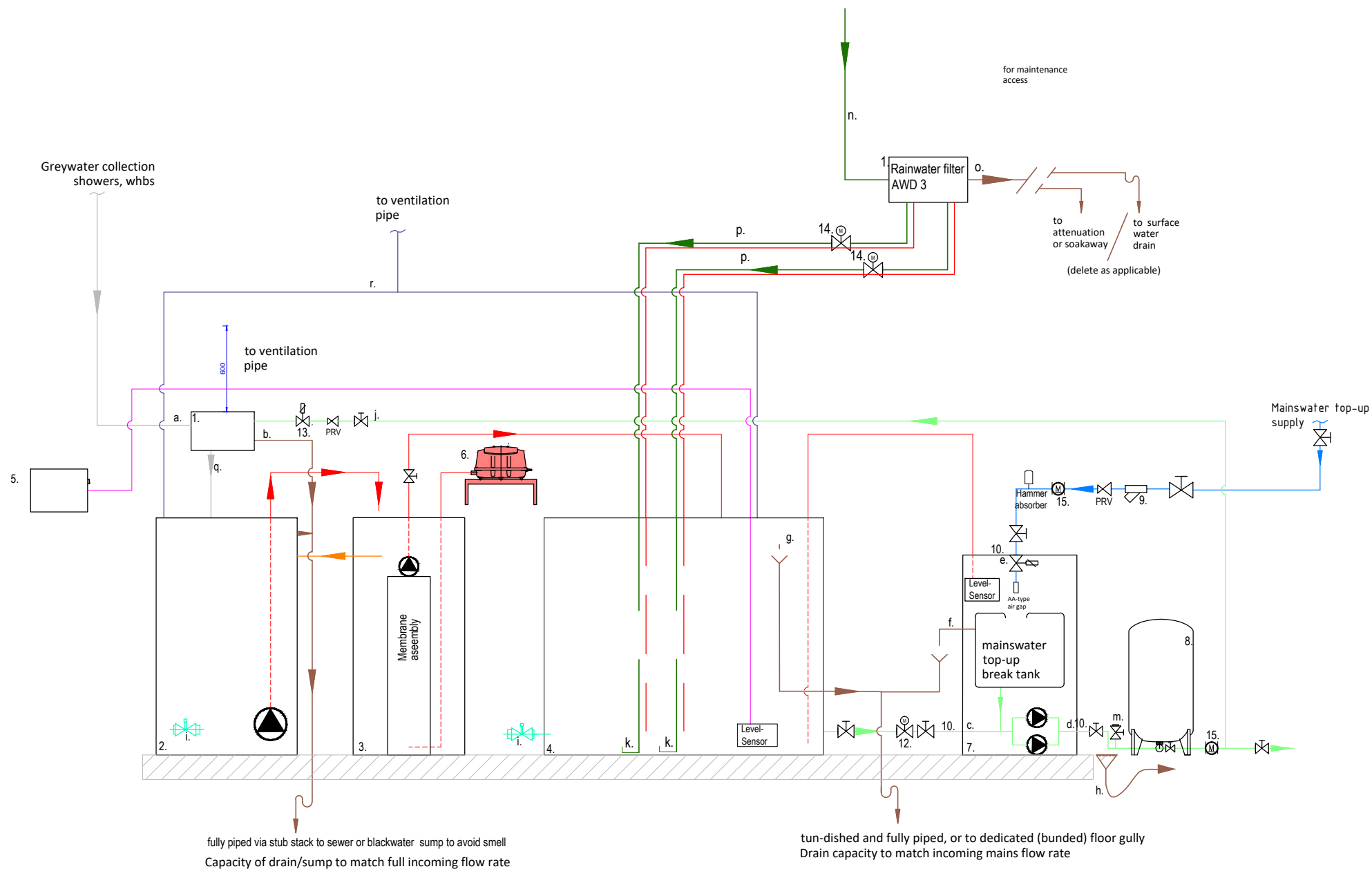


- Key**
- Pipes - potable water
 - Pipes - greywater
 - Pipes - reclaimed water
 - Pipes - greywater circulation
 - Pipes - overflow drainage
 - Tank interconnection
 - Flex tubes
 - Pipes - ventilation
 - Cables

- Components:**
1. Greywater coarse filter
 2. Greywater storage tank
 3. ISB-Membrane-Bio-Reactor-Tank
 4. Non-potable water storage tank
 5. GWRs control panel (for wall mounting)
 6. Compressor (for wall mounting)
 7. Aqua-Control
 8. Expansion vessel (60 - 500 l, depending on flowrate)
 9. Mainswater filter (refer to used Aqua Control)
 10. Pipe connection set for suction, pressure and mainswater pipe
 11. -
 12. Basement tank safety valve (refer to used Aqua Control)
 13. Coarse filter cleaning solenoid valve 1"
 14. Diverting motorised valve
 15. Water meter

- Hydraulic connections:**
- a. DN 100 greywater inlet (female)-HDPE/Cast iron tbc
 - b. DN 100 greywater overflow (male)-HDPE/Cast iron tbc
 - c. Non-potable water suction pipe (female, refer to used Aqua Control)-HDPE
 - d. Non-potable water pressure pipe (female, refer to used Aqua Control)-AquaTherm
 - e. Mainswater connection for automatic top-up, flow pressure: 1 - 4 bar (male, refer to used Aqua Control)-Copper tbc
 - f. DN 100 emergency overflow Aqua-Control (male)
 - g. DN 100 emergency overflow non-potable water storage tank (male)
 - h. floor drain point for manual tank drain down and sludge removal
 - i. 1" Tank drain down (female)
 - j. 1/2" automatic coarse filter cleaning; flow pressure: 1 - 2 bar (female)
 - k. Calmed inlets
 - m. test connection with isolation valve and endcap (female, refer to used Aqua Control)
 - n. Rainwater pipe TBC
 - o. Rainwater filter overflow
 - p. Rainwater inlets to tank DN 100
 - q. DN100 Greywater outlet to greywater storage tank
 - r. Ventilation pipe

2) Schematic drawing



Project: 17 Charterhouse Street	
Title: Schematic drawing	
System: Water reclamation system Combined rainwater harvesting and greywater recycling System details, Pump set details	
Project-No: 4253-17	Drawing-No: 4253-01A
Project state: Draft	Date: 2017-09-27
Scale: nts @A3	Revision: 0
Drawn by: ---	Checked by: --

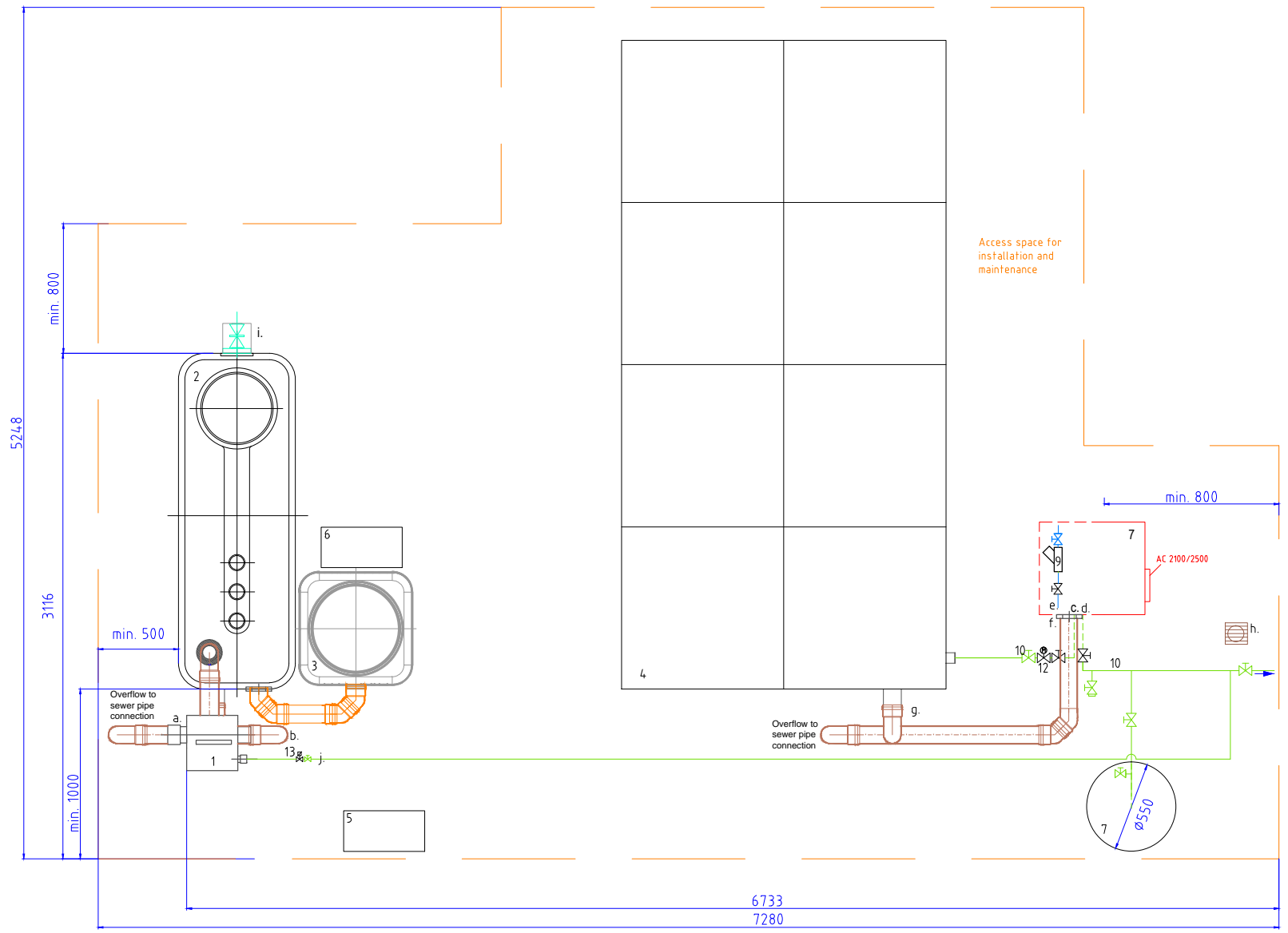


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3a) Plant room drawing

- Key
- Pipes - potable water
 - Pipes - greywater
 - Pipes - reclaimed water
 - Pipes - greywater circulation
 - Pipes - overflow drainage
 - Tank interconnection
 - Flex tubes
 - Pipes - ventilation
 - Cables

Note:
Position of the filter and motorized valve depending on the rainwater pipe



Project: 17 Charterhouse Street	
Title: Plant room drawing	
System: Water reclamation system Combined rainwater harvesting and greywater recycling System details, Pump set details	
Project-No: 2453-17	Drawing-No: 2453-03A
Project state: Design	Date: Draft
Scale: nts @A3	Revision: 0
Drawn by: ---	Checked by: ---



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