
























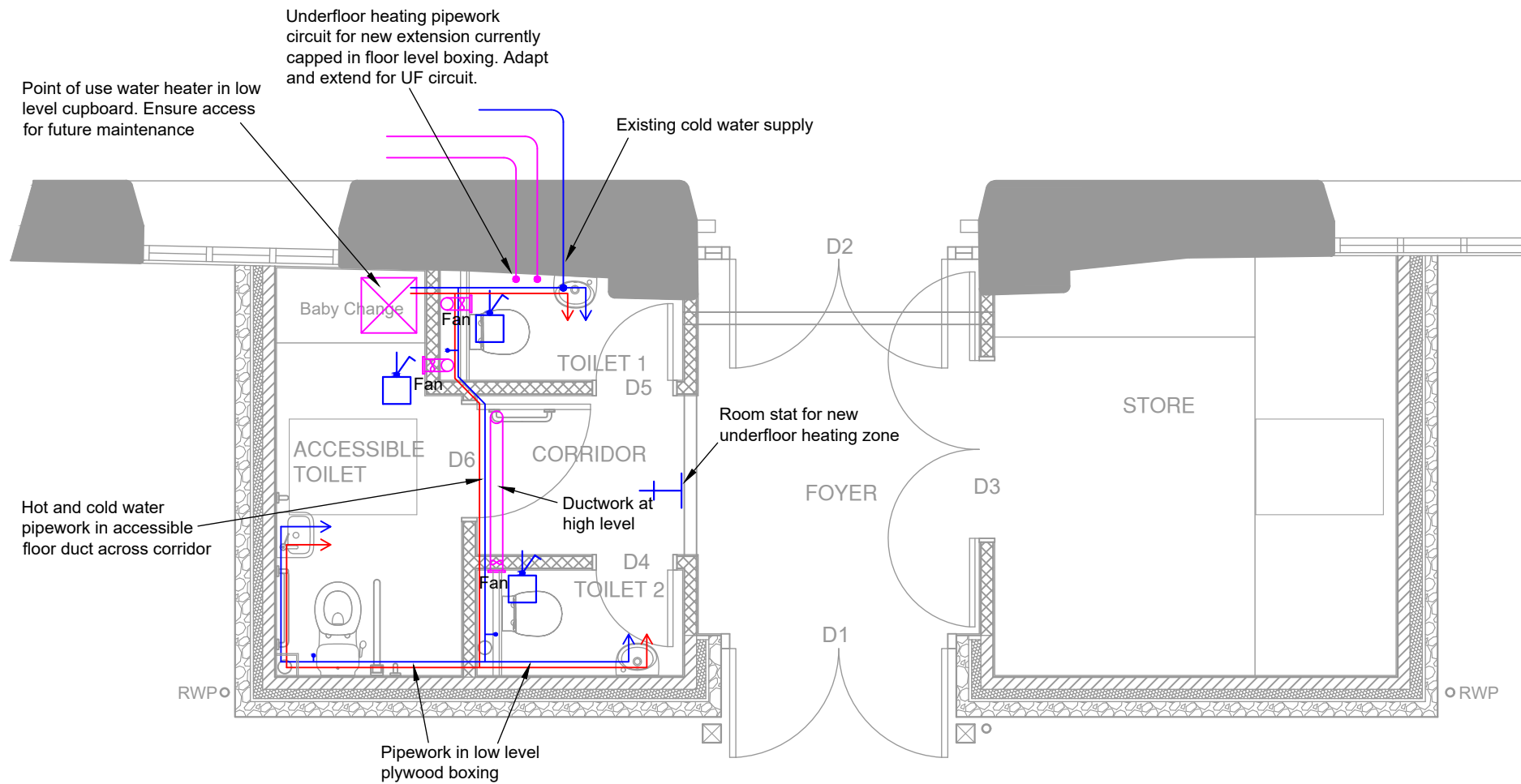


SYMBOLS

	Distribution Board
	Twin 13A Switched Socket Outlet
	13A Switched Fused Spur
	New data point wired back to store
	360° PIR Sensor
	Wall mounted PIR Sensor
	Disabled Alarm Pull Switch
	Disabled Alarm Pull Switch
	Disabled Alarm Beacon
	Fire Panel
	Fire Alarm Sounder
	Mains Smoke Detector & Sounder
	Fire Alarm Call Point
	Fire Alarm Sounder Beacon
	Room Stat - Tamper proof
	'EXIT' Sign - Illuminated or photoluminescent sign lit by emergency light fitting on designated fire exit from building
	Emergency light fitting meeting light level requirements of BS 5266 - 1
	Wall mounted extract fan Vent-Axia Slim Line axial fan with electronic overrun timer
	External LED light fitting with stainless steel finish
	External LED downlighter with stainless steel bezel
	Internal LED downlighter with stainless steel bezel
	Internal wall wash fitting with upward and downward light
	Surface mounted LED light fitting
	LED strip lighting to display boards
	Point of use water heater: Heatrae Sadia or equal



MECHANICAL SERVICES
1:50

Mechanical Services

Generally

Standards:

- Heating installation to be designed and installed by OFTEC registered Installer.
- CIBSE Recommendations & Guidance
- Copper distribution pipework to BS EN 1057.
- Pipework insulation: Preformed flexible with thermal conductivity: 0.035 W/m·K: emissivity: high; thickness (minimum): to BS 5422 tables 19 and 20 and in accordance with 'TIMSA guidance for achieving compliance with Part L of the Building Regulations', table 6.1.1; fire performance: Class 0 spread of flame when tested to BS 476-7.

Heating:

- Existing Grant Vortex Combi Oil fired Boiler located in hall store. New underfloor heating circuit to be installed from capped tails already installed within existing toilet.
- Heating zone in new extension controlled by tamper proof room stat located in toilet corridor area.
- Thermoplastic pipework for underfloor heating: Cross linked polyethylene(PE-X).

Hot & Cold Water

- Hot Water: Point of use water heater feeding 3no. toilets. Heatrae Sadia or equal
- Cold water: extend existing supply to new appliances in copper pipework.
- Floor duct provided across corridor with screw fixed plywood lid. Conceal below barrier matting.

Ventilation

Generally

Standards: B&ES (formally HVCA) recommendations and guidance

Mechanical Extraction

to be installed in accordance with AD F and comprising:-

- Toilets: Vent-Axia Slim Line extract fan provided to each toilet with min extraction rate of 15 l/s activated by movement sensor with run-on timer and manual override. Flexible ductwork from each fan discharges to natural slate in-line ventilators.

Amendments	Date	Initial
Burn Valley Property Chartered Building Surveyors Yeomans Cottage Drayford Crediton Devon EX17 4SL Tel: 01884 860288		
Client: East Worlington Parish Hall Management Committee		
Project Title: East Worlington Parish Hall East Worlington. Crediton, Devon. EX17 4TS		
Drawing Title : Proposed Foyer Extension Proposed Mechanical Services		
Drawn By : RDB		Sheet Size: A3
Scale: 1:50		Date : Dec 2018
Project No. C153	Drawing No. C153 / 007	Amendment .