

Legend:

	Water Outlet
	Basin / Sink Taps
	Thermostatic Mixer Outlet
	Room Thermostat
	SVP / SS
	FG / SG
	Radiator / Towel Rail
	Rodding Eye
	Waste Trap
	Fire Sleeve
	Supply / Extract Duct
	Boost Switch
	Supply / Extract Air Brick
	Supply / Extract Grille
	Wall Mounted Extract Grille

- - - - Below Ground
 _____ Low Level
 - - - - Within Service Void

CWS	Cold Water Supply
FA	From Above
FB	From Below
F&R	Flow and Return
HL	High Level
HWS	Hot Water Supply
LL	Low Level
SV	Service Void
TA	To Above
TB	To Below

- 1) All dimensions in millimeters unless otherwise stated.
- 2) This drawings to be read in conjunction with specification and all other contract drawings.
- 3) Please refer to the final kitchen, bathroom and furniture layouts.
- 4) Noisy items of equipment (such as pumps) not to be installed next to bedrooms, nor be fixed to plasterboard partitions.
- 5) Avoid crossovers of HWS & CWS and ventilation distribution.
- 6) Penetrations through fire seals to be reinstated.

- 1) Intermittent extractor fans to be installed in all kitchens, bathrooms and store cupboards.
- 2) Ventilation rates as per latest building regulations Part F.
- 3) Toilet, bathroom and shower extractor fans shall be timer controlled and shall be activated by the light switch.
- 4) Kitchen extractor hood to be manually controlled.
- 5) Extractor fans located in HIU cupboards to be activated via temperature sensor.
- 6) All exposed ducting to be boxed in.
- 7) Extractor hood to be located at all cooker hobs.
- 8) For wet room / utility rooms, all doors are to be undercut.

- 1) All draw off points to be fitted with ball type service valve
- 2) Double check valves to be installed on dishwasher & washing machine points & on all bath/shower mixers.
- 3) Thermostatic valves to be fitted to baths/showers.
- 4) HWS & CWS to be in non metal plumbing supplies will be subject to the employers approval.

- 1) All exposed SVPs shall be located within boxing with access or rodding points which shall be accessible by means of removable panel securely fixed.

- 1) Wall mounted heating controllers to be hardwired back to manifold.
- 2) All radiators to be fitted with Danfoss, Grundfos or Honeywell, or similar approved thermostatic valves.
- 3) Thermostatic valves shall be fitted to all radiators, except in the room where the room thermostat is located.
- 4) The heating system must be fully flushed in the presence of the employer in accordance with BSRIA AG 2001/1.
- 5) All radiators are to be LSTs and from an approved manufacturer.
- 6) Programmer and thermostat to be positioned at an accessible height for wheelchair users.
- 7) Electric LST chrome towel warmer to be installed in all bathrooms and WCs.

- 1) Heating & plumbing pipes are as far as practicable to be routed in such a way to enable easy access for maintenance.
- 2) Exposed pipework in rooms (other than cupboards/stores) to be avoided. Up-right connections to heating to radiators from floors are acceptable. All vertical heating drops (other than in cupboards/stores) appropriate ducts complete with approved access point.
- 3) Route of pipes underfloor boarding shall be marked on the boarding.
- 4) All connections to dwellings to be $\varnothing 28\text{mm}$ CWS and $\varnothing 25\text{mm}$ heating F&R, unless otherwise stated. Please refer to LTHW and BCWS schematics for pipe sizes.
- 5) All pipework, valves, fittings etc to be insulated as per specification.
- 6) Where possible, pipework drops from ceiling void should be next to SVP.
- 7) All exposed pipework to be boxed in.

