



New Services to be routed through existing services penetrations wherever possible

HTW-F&R from below & connect to underfloor heating manifold

Fresh air intake from window Vent

FCU-1F-02 above joiner Space allowance: 1000mm(W) x 600mm(D) x 280mm (H)

UFHM-1F-01 Space allowance: 800mm(W) x 250mm(D) x 800mm (H)

UFHM-1F-02 Space allowance: 800mm(W) x 250mm(D) x 600mm (H)

FCU-1F-04 Space allowance: 800mm(W) x 600mm(D) x 280mm (H)

EAF-1F-02 Wall Mounted extract fan exhausts through the roof

Refrigerant pipes from below & turn at High Level

EAF-1F-03 Wall Mounted extract fan exhaust through the roof

FCU-1F-03 Space allowance: 800mm(W) x 600mm(D) x 280mm (H)

Refrigerant pipes from below & turn at High Level

Refrigerant pipes from below & turn at low Level

HTW-F&R run inside the floor void

HTW-F&R run from floor void and turn to above

HTW-F&R from below & turn at low level
HTW-F&R run in ceiling void and drop down in the corner

EAF-1F-01 In-line duct fan install in the loft void
Ceiling mounted linear slot diffuser

FCU-1F-01 Space allowance: 1000mm(W) x 600mm(D) x 280mm (H)

WSHP-05 Space allowance: 460mm(W)x420mm(D)x580mm(H)

FCU-1F-02 Space allowance: 800mm(W) x 250mm(D) x 600mm (H)

First Floor Plan

- Notes:
- This drawing shall not be used for construction purposes
 - Do not scale from this drawing either paper or digital form
 - New Services to be route through existing services penetrations wherever possible

- UFHM- Underfloor Heating Manifold
- RAD - Radiator
- FCU - Fan Coil Unit
- HTW - Heating water pipes
- WSHP- Water source heat pump
- EAF - Extract air Fan
- SS - Stub Stack
- SVP - Soil Vent Pipe
- TB/FA- To Below/From Above

- Wet Underfloor heating
 - Electric Underfloor heating
 - Heating Water Flow&Return Pipe (HTW-F&R)
 - Existing Heating Water Flow&Return Pipe (Existing HTW-F&R)
 - Direction of existing joists within Main House
- Line type key:
- Continuous line represents exposed pipes
 - Dashed line represents low level (hidden in void) pipes
 - Dashdot line represents high level (hidden in void) pipes

Revision	Date	Details
P3	16/04/2024	Issue for Revised Design
P2	03/04/2024	Concept Design
P1	12/03/2024	Concept Design

Status
FOR INFORMATION

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Project
12 Park Village West

Drawing Title
Combined Mechanical Ventilation, Heating and Public Health Services at First Floor Plan

Scale:	Drawn by:	Checked by:
1:50@A1	RC	AM
Date:	Drawing No.	Revision:
Jul 2023	2328-C-8110	P3