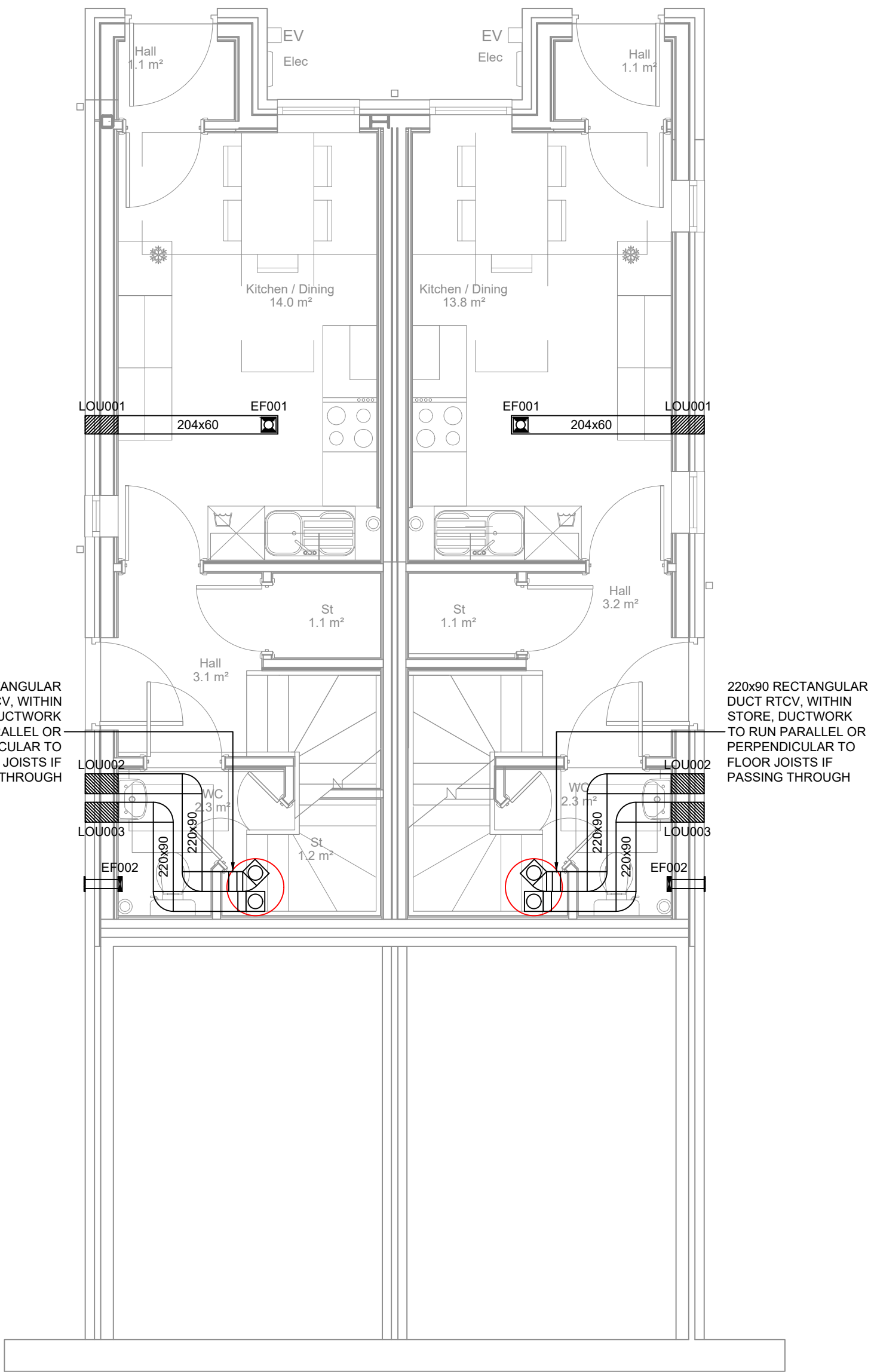
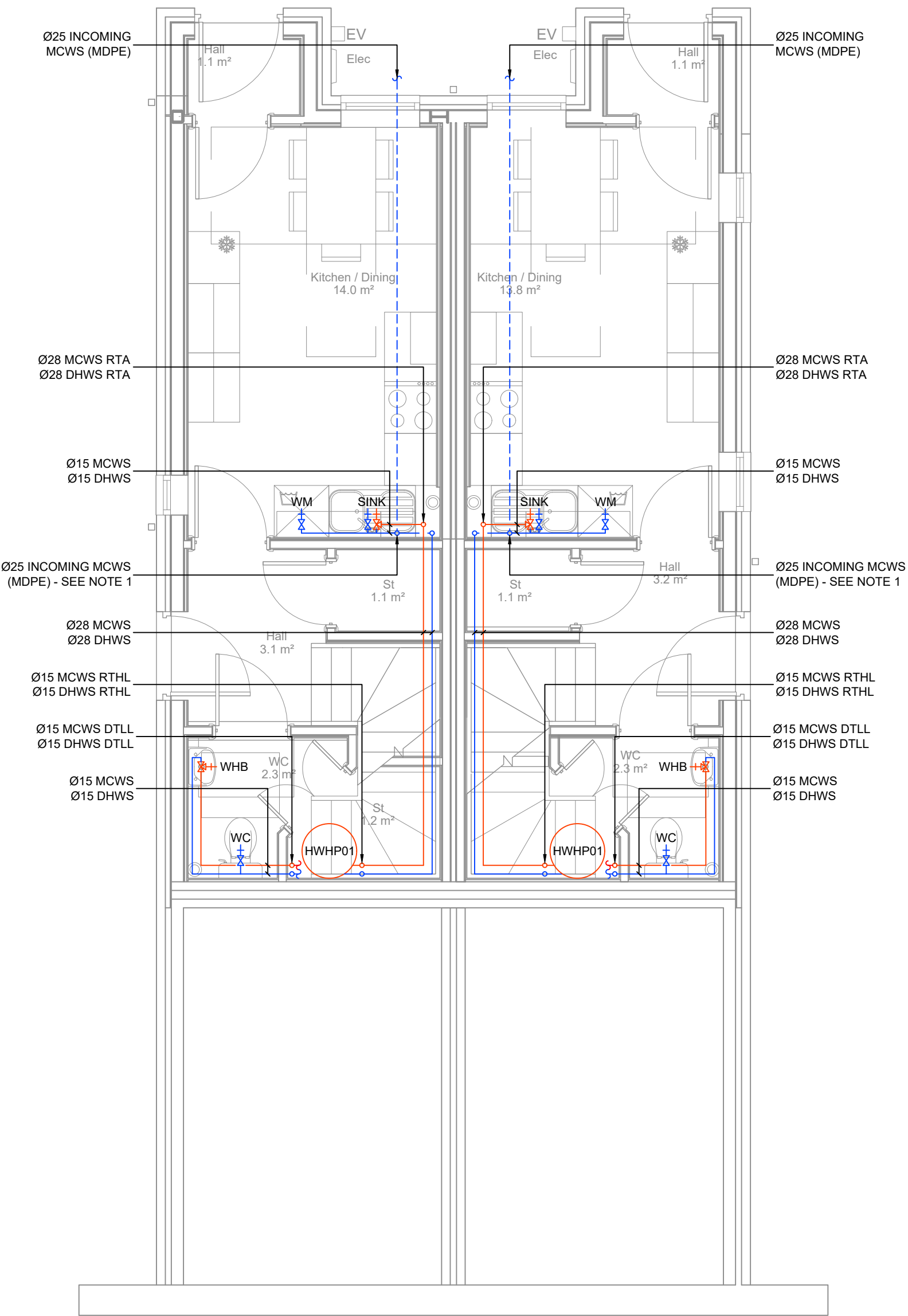
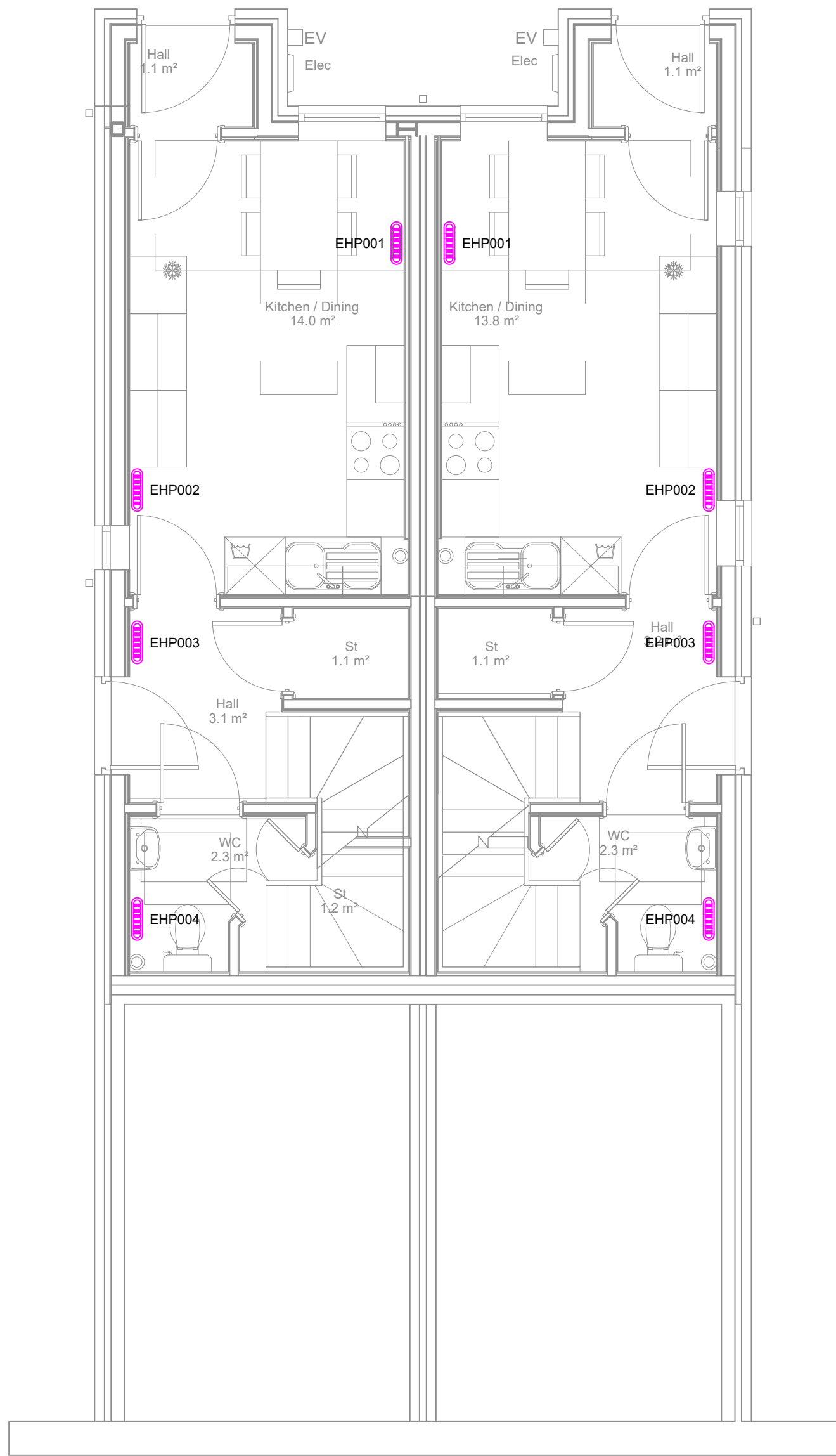




- Domestic Notes**
- Incoming 25mm mdpe water supply (continuous length) with blue detection tape above from uu connection to external isolation valve in was approved below ground box enters building in 100mm dia. pvc duct with slow bend with 22 mm stop cock, concentric meter adaptor, united utilities amr water meter, double check valve and drain cock
 - Domestic services shall be installed inline with building regulations part G.
 - All concealed domestic services pipework to be BS 7291-3 cross-linked polyethylene (PEX) pipes complete with push-fit fittings.
 - All exposed domestic services pipework within utility cupboard to be BS EN 1057 copper pipes complete with push-fit fittings.
 - Valves will be installed as indicated on the mechanical tender drawings.
 - Local ballfox quarter turn isolation valves will be installed on to all items of plant
 - Contractor to allow for TMV3 compliant under sink mixer valves for all wash hand basins and sinks regulating water to 41°C.
 - All final connections are to be ridged.
 - Drain points will be installed at all low points.
 - Automatic air vents will be installed at all high points.
 - All pipework and fittings shall be thermally insulated inline with specification, and must be anti-ligature.
 - All installed water services will be chlorinated to BS EN 806.
 - TMVs for shower/bath to be fitted within bathroom boxing before serving shower head/bath taps with 41°C blended water.
 - Pipework length between TMV and outlet to be less than 2 meters.

- Heating Notes**
- Electric heating panels/towel rails to be complete with integral stat/controller.
 - Controls and power wiring between heating systems/plant by mechanical contractor and their appointed controls specialist.

- Ventilation Notes**
- All ventilation provisions shall be in accordance with the requirements of building regulations.
 - All builders works, making good of apertures and fire stopping to be carried out by others
 - All flexible ductwork final connections not to form bends or exceed 300mm vertical drop.
 - Fire dampers shall be provided where ductwork passes through any fire rated structure.
 - All openings to be made good and fire rated where services pass through fire rated partitions and cavity barriers.
 - All installations to comply with DW guides & TR17.
 - Access hatches shall be provided for all equipment installed within ceilings for maintenance as shown, access hatches dimensions shall match manufacturers recommendations for the specific equipment.
 - All ductwork shall be galvanised Z265 type.
 - Mechanical contractor responsible for all final connections of mechanical plant, controls and power wiring between heating systems/plant by mechanical contractor, power supplies to be provided by electrical contractor.
 - Trickle vents to be provided in accordance with Building Regulations Part F, as below

1.44 Where continuous mechanical extract ventilation is used, background ventilators should satisfy all of the following conditions:

- Not be in wet rooms.
- Provide a minimum equivalent area of 4000mm² for each habitable room in the dwelling.
- Provide a minimum total number of ventilators that is the same as the number of bedrooms plus two ventilators (i.e. a one bedroom dwelling should have three background ventilators, a two bedroom dwelling should have four background ventilators, etc.)

CONSTRUCTION ISSUE

C05	06/03/25	Updated incoming MCWS position
C04	10/02/25	Updated notes on pipework
C03	19/01/26	Updated kitchen panel heater position.
C02	18/12/25	Updated to comment.
C01	13/10/25	Construction issue.
Rev	Date	Description

Project -

Longhurst Road,
Manchester

Title -

Block 3 - GF
Proposed Mechanical Services

Scale - 1:50 @ A1

Design by - JU

Date - 13/10/25

Cad by - JU

Drawing No. -

6386-KGA-03-00-DR-M-0106

Revision -

C05

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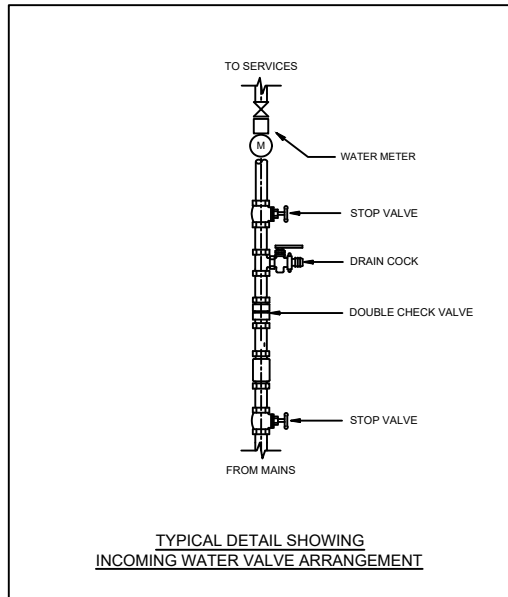


Constructionline
Gold Member



Electric Heater Schedule					
Ref	Location	Manufacturer	Model	Load (kW)	Dimensions (mm) - HxW
BHP001	Kitchen/Dining			0.75	
BHP002	Kitchen/Dining			0.75	
BHP003	Hall			0.5	
BHP004	WC			0.5	
BHP101	Bedroom 1			0.75	
BHP102	Landing			0.5	
BHP103	Living			0.5	
BHP104	Living			0.5	
BHP201	Bedroom 2			0.75	
BHP202	Landing			0.5	
BHP203	Bedroom 3			0.75	
BHP204	Bedroom 3			0.75	
ETR101	Bathroom			0.6	
ETR201	Shower Room			0.6	

Hot Water Heat Pump Schedule								
Ref	Manufacturer	Model	Duty (l/s)	Dimensions (mm) - HxØ	Weight (kg) - Empty/Full	Capacity (l)	Max Output (kW)	Electrical
HWHP01	Dimplex	Edel 200	89	1460x630	56.5/256.5	200	2.5	1ph 8ARC

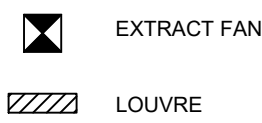


Extract Fan Schedule						
Ref	Manufacturer	Model	Duty (l/s) - Trickle/Boost	Dimensions (mm) - HxWxD	SFP (W/l/s)	Controls
EF001	Vent-Axia	Lo Carbon NBRdMEV/125	12/13	213x213x46	0.16	Continuous/Boost Switch
EF002			5/6		0.16	
EF101			7/8		0.2	
EF102			15		0.12	Switch
EF201			7/8		0.2	Continuous/Boost Switch
EF202			15		0.12	Switch

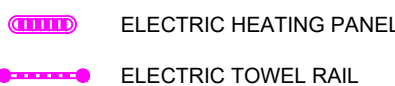
- BEDROOM OVERHEATING FANS TO BE COMPLETED WITH SEPARATE SWITCH LOCATED NEXT TO ROOM LIGHT SWITCH
- THROUGH-WALL EXTRACT FANS TO BE COMPLETED WITH MANUFACTURERS WALL TERMINATION KIT

Louvre Schedule			
Ref	Manufacturer	Model	Duty (l/s) - Trickle/Boost
LOU001		AirBrick	12/13
LOU002		Double	89
LOU003		AirBrick	89
LOU101		AirBrick	7/8
LOU201		AirBrick	7/8

VENTILATION LEGEND



HEATING LEGEND



DOMESTIC LEGEND

