

Hot Water F&R  
Mains Cold Water  
Boosted Cold Water  
Run heavily insulated within  
new patio construction to serve  
Kitchen

Horizontal fancoil unit in ceiling  
void of WC ducted to high level  
vertical grille in wall.

LTHW Heating  
Hot Water F&R  
Mains Cold Water  
Boosted Cold Water

Hot and cold water pipework to  
Ensuite runs within ceiling void.

Pipework to LIFH manifold runs  
within insulation layer of new  
screeded underfloor heating  
system.

Horizontal fancoil unit in ceiling  
void of WC ducted to high level  
vertical grille in wall.

Insulated copper DX  
Refrigerant pipework from  
ASHP.

LTHW Heating  
Hot Water F&R  
Mains Cold Water  
Boosted Cold Water

Pipework services void formed  
within insulation layer of new  
concrete screeded lower  
ground floor.

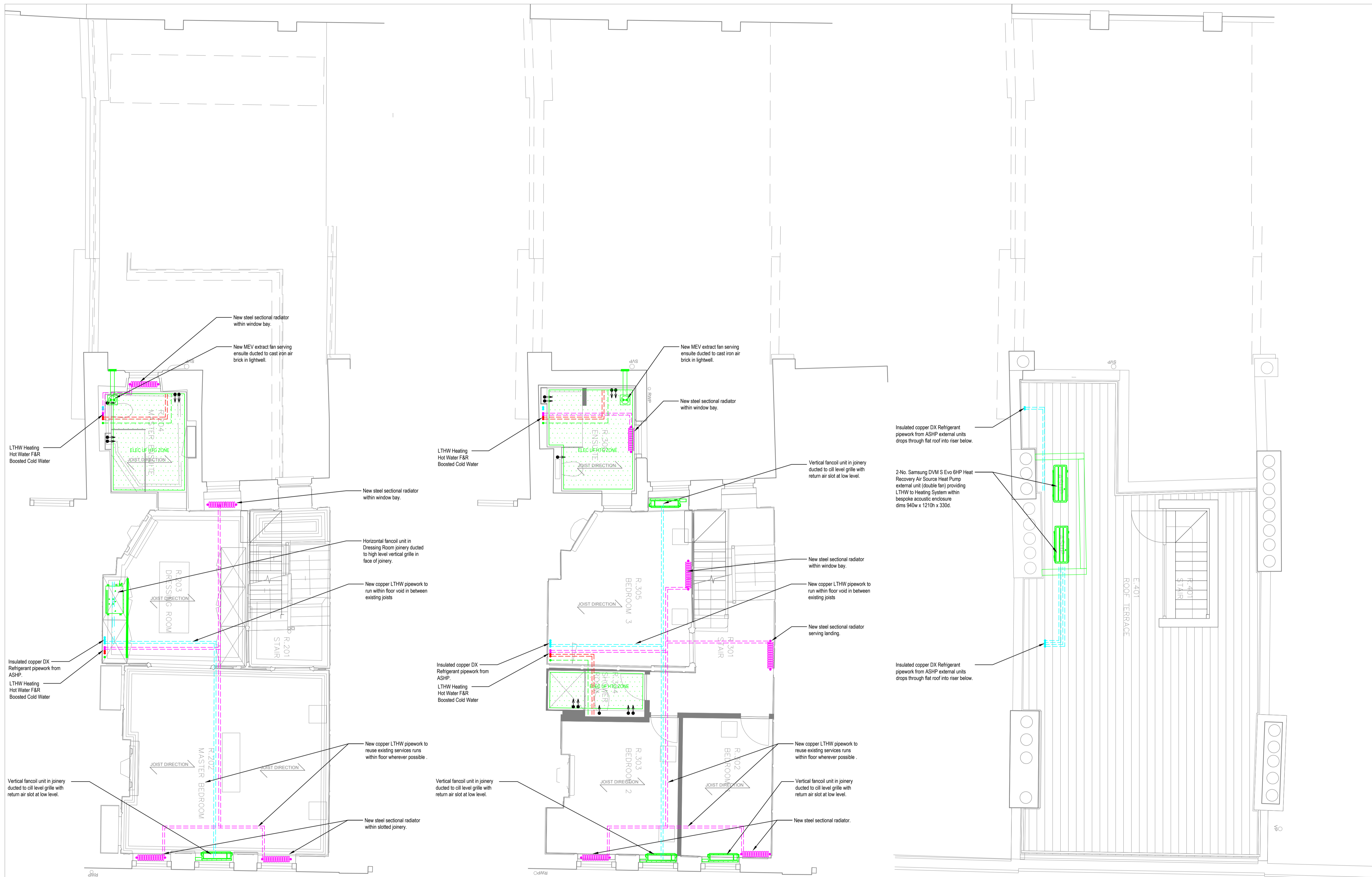
Cold Water Booster set and  
storage tank.  
Water Softener.  
500 Litre domestic hot water  
cylinder.

2 No. Samsung AM160 16KW  
ASHP Hydroboxes in  
Pavement Vault plantroom to  
provide LTHW to Heating &  
Domestic Hot Water systems.

Backup 48kW gas fired boiler in  
Pavement Vault plantroom. Stainless  
Steel flue discharges at pavement  
level via lightwell in similar manner to  
30 & 37 Great James Street.

PRELIMINARY 07.02.25		
date:	description:	rev:
<b>judd consulting (uk) ltd.</b> building services consulting engineers 11 Chime Square, St Peter's Street, St Albans AL3 5JZ. tel: 01582 834 117 mail@juddconsulting.com		
project:	38 Great James Street WC1N 3HB	
title:	Mechanical Services Basement, Ground & First Floors	
scale:	date:	drawn:
1:50@a1	06/02/25	paj
chg no:	rev:	
2460.M.001		

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3F

4F

PRELIMINARY 07.02.25

date: description: rev:

**judd consulting (uk) ltd.**

building services consulting engineers

11 Chime Square, St Peter's Street, St Albans AL3 5JZ.

tel: 01582 834 117 mail@juddconsulting.com

project: 38 Great James Street  
WC1N 3HB

title: Mechanical Services  
Second, Third & Fourth Floor

scale: 1:50@a1 date: 06/02/25 drawn: paj

altg no: 2460.M.002 rev:

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