

Mechanical Services Equipment Schedules

Project Name Riverdale Maisonettes
Project No. 312169
Status Stage 4A
Revision P03

**HARLEY
HADDOW**

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- * Domestic Hot Water Heater Schedule
- * Heat Pump Unit Schedule

ISSUE DATE	REVISION
06-25	P03
06-25	P03

General Notes; (Applies to all schedules)

- 1 The manufacturer and model noted on these schedules has been used in the detailed design process. Refer to Mechanical Specification for requirements relating to alternative manufacturers.
- 2 Manufacturers model references used within the contents of these equipment schedules are for guidance only. The contractor is responsible for checking that the model references are correct at the time of pricing and the equipment being priced or supplied meets the performance and material requirements detailed in the specification, drawings and equipment schedules.

Domesitc Hot Water Cylinder Schedule

Ref. No.	Location	Water Heater Type	Storage Capacity (litres)	Insulation thickness	System Working Pressure (Bar)	Primary Heat Source Temperature		Heater Output (kW)	HWS Output rate @ 60C (l/hr)	Fuel Supply	Electrical Supply		Manufacturer & Type	Expansion Vessel Type	Description & Accessories
				(mm)		Flow (oC)	Retn (oC)				V/Ph/Hz	kW			
HWC-01	Lower Floor Kitchen / Lower Floor Cupboard / Upper Floor Cupboard	Indirect	180	TBC	3.0	TBC	TBC	3	TBC	Electric	230/1/50	TBC	Daikin UK.PPC180/R3 2SS	Integral with HWS storage Vessel	LTHW indirect water storage heater complete with internal heat exchanger, temperature/pressure relief valve and expansion vessel

Notes

- 1 Refer to notes 1 & 2 on Equipment Schedule Front Cover and Contents Sheet
- 2 Water heaters shall be selected to achieve a minimum water storage temperature of 60 deg.C
- 3 Where an expansion vessel is required, this shall be provided for each storage vessel and shall be capable of handling the expansion from both the vessel being served and the hot water distribution system.
- 4 Hot water storage vessels shall be supplied pre-insulated by the manufacturer or the insulation and protective casing applied on site in accordance with the Mechanical Specification

Revisions

Heat Pump Unit Schedule

HH Reference	ASHP 01	Location:	Ground Floor / Roof Floor						
Manufacturer:	Daikin								
Model	Based on Daikin EDLA04EV3								
Type:	Air Source Heat Pump								
No. of Compressors	1	Compressor type	Scroll						
Refrigerant Type	R32								
Required Duty:	Heating Capacity		4		kW				
	Cooling Capacity (If applicable)		NA		kW				
	External Summer Design Temperature (Air cooled unit)		NA		deg.C				
	External Winter Design Temperature (Air cooled unit)		NA		deg.C				
	Heating Water Flow Temperature		TBC		deg.C				
	Heating Water Return Temperature		TBC		deg.C				
	Heating Water Flow Rate		TBC		kg/s				
	Maximum Heating Water pressure drop		TBC		kPa				
	CHW Flow Temperature		NA		deg.C				
	CHW Return Temperature		NA		deg.C				
	CHW Flow Rate		NA		kg/s				
	Maximum CHW pressure drop		NA		kPa				
	Ground Loop Flow Rate (if applicable)		NA		kg/s				
	Ground Loop Medium (if applicable)		NA						
	Electrical Supply		(230/1/50)		(V/ph/Hz)				
	Electrical Load		1.69		kW				
	Running Current		20		Amps				
	Starting Current		TBC		Amps				
	Capacity Control Stages		100/63/37/0%						
	Minimum COP at design heating load conditions		3						
Ancillary Items									
Shipping Weight:	60		kg						
Nominal Size:	Length	400	mm						
	Width	900	mm						
	Height	750	mm						
Frequency (Hz)	63	125	250	500	1K	2K	4K	8K	
Breakout Noise (SWL)									
Sound level at 5m distance	TBC		dBA						
Notes:									
	1	Refer to notes 1 & 2 on Equipment Schedule Front Cover and Contents Sheet							
	2								
Revisions									