

APPENDIX	REF:	BOOSTER SET SCHEDULE (LANDLORDS)
PROJECT NAME: BELLAMY COURT		
JOB NO: 22/057		DATE: AUGUST 2020
ENGINEER: PT		REVISION: 4
CHECKED: SL		
Reference	BS01	
Location	Plant Rooms	
System	Boosted Cold Water	
Type	Booster Set	
Manufacturer	Toleno Ltd	
Model	Lowara Multisage Booster Pumps 3 Pumps	
Volume	4 l/s	
Electrical Supply	5 kW	
	400 V	
	3 Ph	
	50 Hz	
Dimensions (Booster Set)	Width	1100 mm
	Depth	1400 mm
	Height	1000 mm
Head (bar)	3 bar	
Working Pressure (bar)	10 bar	
Fluid Type	Clean cold water @ >10°	
Number of Pumps	3	

APPENDIX	REF:	EXTRACT & SUPPLY GRILLE SCHEDULE (LANDLORDS)
PROJECT NAME: BELLAMY COURT		
JOB NO: 22/057		DATE: AUGUST 2020
ENGINEER: PT		REVISION: 4
CHECKED: SL		

Ref	System	Air Vol m ³ /s	Size mm x mm	Type	Model	Pressure Drop Pa	NR	Plenum Box	Spigot Size Dia.
EG1	Various	0.025-0.04	150 x 150	Gilberts DG4	DG4 4-Way	<20	<20	√	Various See drawings
EG2	Various	0.06 – 0.1	225 x 225	Gilberts DG4	DG4 4-Way	<20	<20	√	Various See drawings
SG1	Various	0.025-0.04	150 x 150	Gilberts DG4	DG4 4-Way	<20	<20	√	Various See drawings
SG2	Various	0.06 – 0.1	225 x 225	Gilberts DG4	DG4 4-Way	<20	<20	√	Various See drawings

NOTES:

APPENDIX	REF:	HOT WATER PUMP SCHEDULE (LANDLORDS)							
PROJECT NAME: BELLAMY COURT									
JOB NO: 22/057					DATE: AUGUST 2020				
ENGINEER: PT					REVISION: 4				
CHECKED: SL									
Reference	P1								
Location	Hot Water Return Pump								
Manufacturer	Wilo								
Model Reference	Star Z 20/7-3 (150mm)								
No.Off	1 x Single Head								
System	Hot Water Return Pump								
Pump Type	Gladless Standard Pump								
Duty	0.1 l/s @ 38 KPA								
System Temperature	60/55								
Electrical Supply	1ph 230 v 50hz								

APPENDIX	REF:	WATER TANK SCHEDULE (LANDLORDS)	
PROJECT NAME: BELLAMY COURT			
JOB NO: 22/057		DATE: AUGUST 2020	
ENGINEER: PT		REVISION: 4	
CHECKED: SL			
Reference	T01		
Location	Ground Floor Mechanical Plant Room		
System	Cold Water Service		
Type	Toleno Sectional Tank		
Capacity (Nominal)		6400 l (actual)	
Dimensions (Nominal)	Length	2550mm	
	Width	2450mm	
	Height	2150mm	
Connections	Ball valve/inlet	No 2	32mm
	Outlet	No 2	76mm
	Overflow	No 2	54mm
	Drain	No 2	28mm
Constructions	Material	1FB Sectional Tank	
Regulations	Comply with Water Byelaw 30		
	Comply with BSEN 806		
Notes			

APPENDIX		REF:	LOUVRE / COWL SCHEDULE (LANDLORDS)							
PROJECT NAME: BELLAMY COURT										
JOB NO: 22/057				DATE: AUGUST 2020						
ENGINEER: PT				REVISION: 4						
CHECKED: SL										
Ref No.	System	Air Vol m3/s	Size mm x mm	Type	Model	Pressure Drop Pa	Velocity	NR	Plenum Box	Spigot Size Dia.
EL1	HRU Dining	0.334	700 x 300	Gilberts	WG38	<20	2		√	300
SL1	HRU Dining	0.334	700 x 300	Gilberts	WG38	<20	2		√	300
EL2	HRU Office	0.104	300 x 300	Gilberts	WG38	<20	1.8		√	200
SL2	HRU Office	0.104	300 x 300	Gilberts	WG38	<20	1.8		√	200
EL3	Hair & Beauty	0.073	300 x 300	Gilberts	WG38	<20	1.5		√	150
EL4	WC & Locker Extract	0.1	300 x 300	Gilberts	WG38	<20	1.8		√	200
RC1	Common Extract Roof Cowl	0.44	Roof Cowl 400 Ø							
RC2	Common Extract Roof Cowl	0.2	Roof Cowl 300 Ø							

APPENDIX		REF:	FAN & AHU SCHEDULE (LANDLORDS)					
PROJECT NAME: BELLAMY COURT								
JOB NO: 22/057			DATE: SEPTEMBER 2020					
ENGINEER: PT			REVISION: 5					
CHECKED: SL								
Reference	HRU1	HRU2		EF1	EF2	EF3	EF4	EF5
System	Dining Area Extract / Supply	Office Extract / Supply		Scooter Store Extract	Hair & Beauty Extract	Assisted Bathroom	Laundry Extract	Bin Store
Location	Dining Area CV	Office CV		Ceiling Void	Ceiling Void	Ceiling Void	Ceiling Void	Ceiling Void
Manufacturer	Mitsubishi	Mitsubishi		Vent Axia	Vent Axia	Vent Axia	Vent Axia	Vent Axia
Model Reference	Lossney LGH 80	Lossney LGH 50		ACM 100 T	ACM 150 T	ACM 100 T	ACM 150 T	ACM 150 T
Supply Duty (m³/s)	0.167 @ Speed 3	0.104 @ Speed 3		N/A	N/A	N/A	N/A	N/A
Extract Duty (m³/s)	0.167 @ Speed 3	0.104 @ Speed 3		25 l/s @ 70 pa (low speed)	75 l/s @ 70pa (low speed)	25 l/s @ 70 pa (low speed)	75 l/s @ 70 pa (low speed)	75 l/s @ 70 pa (low speed)
External Resistance (Pa)	85pa @ Speed 3	68 @ Speed 3		70 pa (low speed)	70 pa (low speed)	70 pa (low speed)	70 pa (low speed)	70 pa (low speed)
Comments	CO ₂ sensor and wall mounted controller. Wall controller to be located in inaccessible location to avoid residents modifying controls.	Controlled via wall mounted controller		Controlled via PIR	Controlled via wall mounted fan controller	Controlled via PIR	Controlled via Humidistat	Controlled via Time Switch

Reference	EF6	EF7	EF8	EF9	EF10	SF1		
System	GF 2No WCs	GF WC & Locker	Shower & Locker Room	Staff Room	Kitchen Extract	Kitchen Supply		
Location	Ceiling Void	Ceiling Void	Ceiling Void	Wall Mounted	Kitchen	Kitchen		
Manufacturer	Vent Axia	Vent Axia	Vent Axia	Vent Axia	Helios	Helios		
Model Reference	ACM 100 T	ACM 150 T	ACM 100 T	Low Carbon Revive Wall Fan	VEKAINT3000	VEKAINT3000-21 61		
Supply Duty (m³/s)	N/A	N/A	N/A	N/A	N/A	N/A		
Extract Duty (m³/s)	50 l/s @ 50 pa (high speed)	100 l/s @ 50 pa (low speed)	50 l/s @ 25 pa (high speed)	30 l/s	837/s	711 l/s		
External Resistance (Pa)	50 pa (High Speed)	50 pa (low speed)	25 pa (high speed)	N/A	60pa	60pa		
Comments	Controlled via PIR	Controlled via PIR	Controlled via PIR	Controlled via wall mounted controller	Controlled as a slave unit to supply (SFI) AHU via LCD Dimensions 670mm x 670mm x 500mm H Elec Supply 230V 1ph 50Hz Weight 43kg	Controlled via mounted AHU LCD screen Dimensions 1062mm x 1800mm x 550mm H Elec Supply 400V 3ph 50Hz 4.5Amp Weight 136kg – C/W Electric heater -3°C to 18°C (18kW)		



APPENDIX	REF:	WATER CYLINDER SCHEDULE (LANDLORDS)	
PROJECT NAME: BELLAMY COURT			
JOB NO: 22/057		DATE: AUGUST 2020	
ENGINEER: PT		REVISION: 4	
CHECKED: SL			
Reference	CY1		
Location	Plant Room		
Manufacturer	Heatrae Sadia		
Model	Megaflo Eco Indirect 300i		
Storage Vessel	Capacity	300	
Connections	Inlet	22mm	
	Return	22mm	
Details	Coil Rating	28.3 kW	
	Recovery Time	39 mins	
	Safety Valve	90°C @ 1 bar (factory fitted)	
Flow	Maximum Flow at 3 bar	76 l/min	
	Minimum Flow at 1 bar	45 l/min	
Standing Heat Loss		1.69 kWh / 24h	
Immersions	Factory fitted immersion heaters		
Dimensions	Height	2053mm	
	Diameter	579mm	
	Weight (full)	358kg	

Note: Cylinders by GSHP Specialist.

APPENDIX		REF:		FAN & AHU SCHEDULE (RESIDENTS)				
PROJECT NAME: BELLAMY COURT								
JOB NO: 22/057				DATE: AUGUST 2020				
ENGINEER: PT				REVISION: 4				
CHECKED: SL								
Reference	MEV 1							
System	Apartments							
Location	Apartments – Store cupboard ceiling void							
Manufacturer	Vent Axia							
Model Reference	Lo Carbon Multivent MVDC MSH							
Extract Duty (m³/s)	0.05							
External Resistance (Pa)	50 pa							
Comments	Trickle vent, boost controlled via humidistat and kitchen boost switch.							

APPENDIX		REF:	LOUVRE / COWL SCHEDULE (RESIDENTS)							
PROJECT NAME: BELLAMY COURT										
JOB NO: 22/057				DATE: AUGUST 2020						
ENGINEER: PT				REVISION: 4						
CHECKED: SL										
Ref No.	System	Air Vol m3/s	Size mm x mm	Type	Model	Pressure Drop Pa	Velocity	NR	Plenum Box	Spigot Size Dia.
EL5	Apartments	0.05	200x 200	Gilberts	WG38	<20	2		√	204 x 60

NOTES:

APPENDIX	REF:	EXTRACT & SUPPLY GRILLE SCHEDULE (RESIDENTS)
PROJECT NAME: BELLAMY COURT		
JOB NO: 22/057		DATE: AUGUST 2020
ENGINEER: PT		REVISION: 4
CHECKED: SL		

Ref	System	Air Vol m ³ /s	Size mm x mm	Type	Model	Pressure Drop Pa	NR	Plenum Box	Spigot Size Dia.
EG3	Apartments	0.025	150 x 150	GDL	Air Valve	21 @+6	21 NC		

NOTES:

APPENDIX	REF:	WATER CYLINDER SCHEDULE (RESIDENTS)	
PROJECT NAME: BELLAMY COURT			
JOB NO: 22/057		DATE: AUGUST 2020	
ENGINEER: PT		REVISION: 4	
CHECKED: SL			
Reference	CY2		
Location	Apartments		
Manufacturer	Heatrae Sadia		
Model	Megaflo Eco Indirect 170i		
Storage Vessel	Capacity	170	
Connections	Inlet	22mm	
	Return	22mm	
Details	Coil Rating	24.3 kW	
	Recovery Time	22 mins	
	Safety Valve	90°C @ 1 bar (factory fitted)	
Flow	Maximum Flow at 3 bar	76 l/min	
	Minimum Flow at 1 bar	45 l/min	
Standing Heat Loss		1.2 kWh / 24h	
Immersions	Factory fitted immersion heaters		
Dimensions	Height	1384mm	
	Diameter	579mm	
	Weight (full)	233kg	

Note: Cylinders by GSHP Specialist.