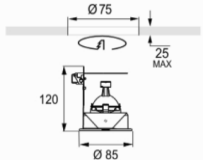
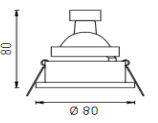
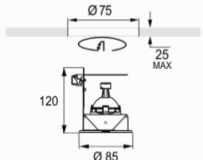
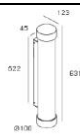
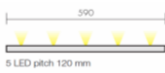
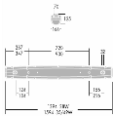
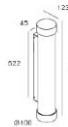




TPSLLP : 24-25 Bloomsbury Square, London

M&E Schedules

Ref	Fixture Ref	Description	Illustration	Dimensions	Lamp
A	Lightworks (Tele: 01892 838311) LED Downlight (Part No.350530E124LED)	1x10W LED downlight colour: Outer White, Inner Cone Black, for use within bedrooms, corridors and kitchen areas with Fire Hood			1 x 10W LED MR16 24° warm white
B	Lightworks (Tele: 01892 838311) LED Downlighter Dolphin (81-0550102E124 = white)	Recessed IP44 rated LED downlight , available with white or silver trim + fire hood			1 x 10W LED MR16 24° warm white
C	Lightworks (Tele: 01892 838311) LED Downlight (Part No.350530E124LED)	1x10W LED downlight colour: Outer White, Inner Cone Black, for use within bedrooms, corridors and kitchen areas with Fire Hood			1 x 10W LED MR16 24° warm white
D	Pelmet Lighting Supplied by Kitchen Contractor	Pelmet Lighting Supplied by Kitchen Contractor	Pelmet Lighting Supplied by Kitchen Contractor	Pelmet Lighting Supplied by Kitchen Contractor	Pelmet Lighting Supplied by Kitchen Contractor
E	Emergency Light Fitting	Emergency Light Fitting	Emergency Light Fitting	Emergency Light Fitting	Emergency Light Fitting
F	Beta-Calco Sentis OP (32 6023)	Wall Light For Stairs Area. Emergency 3hr Battery Pack Option Available. Finish TBC		457mm(H) x 191mm(W)	1 x 36W PLL
G	Hafele - LED wardrobe rail light with sensor, 12V (Cat No. 833.11.901, 833.11.902, 833.11.903, 833.11.904)	Wardrobe Luminaire with integrated motion sensor (length of fitting to be selected to suit bespoke wardrobe construction)		Various: 540mm, 750mm, 870mm, 1050mm	240V/6W LED
H	BE COOL x114 (274 24 114)	Delta Light (Tele: 0870 757 7087)			1 x T16 14W
I	Lightworks Luce&Light Bar Outdoor 8.0 (BA800525DA)	2 No. IP67 Rated LED Linear Under Cupboard/Vanity Unit light in bathroom			NA

Ref	Fixture Ref	Description	Illustration	Dimensions	Lamp
J	Aurora - AU-BHS28	External Boiler Cupboard Bulk Head		93x255x255	TC-DD
K	ImpactForce (96234436) Thorn Lighting Tele: 0844 855 481	OImpact Resistant Flourescent Luminare For Plant Areas			2 x 28W T16
M	BE COOL x114 (274 24 114)	Delta Light (Tele: 0870 757 7087)			1 x T16 14W
PIR	Thorlux Lighting Tele: 01527 583222 (ECO-PIR 13180)	Recessed PIR For Stairwell Lighting Switching		76mm Dia x 68mm Deep	N/A
PIR (IP65)	Sector PIR Dector (S1000W)	Rexel Senate Electrical - Switching of External Lighting		N/A	N/A
	MK Electrical Edge Double Switch Socket Outlets (K14781 BSS W)	Double Switch Socket Outlet with Brushed Stainless Steel Finish with white insert for Installation throughout		86mm x 146mm	
	MK Electrical Edge 3 Pole Fan Isolation Switch (K14859 BSS W)	3 Pole Fan Isolator for used with Bathroom Fans		86mm x 86mm	
	MK Electrical Edge 2 Gang Module Plate (K14172 BSS) with 2 x RJ45 Modules (K5846)	2 Gang Cat 6 Data Sockets for Data use throughout		86mm x 86mm	
	MK Electrical Edge Shaver Socket Outlet (K14709 BSS W)	Shaver Socket For use within bathrooms		146mm x 86mm	

Hot Water Cylinder Schedule

Ref No.	Manufacturer	Manufacturers Ref	Type	Capacity (l)	No. Coils	Dimensions (mm)	Flat
HWSC 24A	Heatrae Sadia	Megaflo eco Indirect 170i litre	Indirect	170	1 x 3kW	579 dia x 1384 mm	24A
HWSC 25A	Heatrae Sadia	Megaflo eco Indirect 170i litre	Indirect	170	1 x 3kW	579 dia x 1384 mm	25A
HWSC 24D	Heatrae Sadia	Megaflo eco Indirect 170i litre	Indirect	170	1 x 3kW	579 dia x 1384 mm	24D
HWSC 25D	Heatrae Sadia	Megaflo eco Indirect 170i litre	Indirect	170	1 x 3kW	579 dia x 1384 mm	25D

Extract Fan Schedule

Ref No.	No. Off	Duty (l/s)	Static Pressure (Pa)	Sound (dBA)	Dims (mm) (HxWxD)	V/Hz/Ph	Model	Inlet Attenuator	Outlet Attenuator	Control	Area Served
EF1	See Drawing	15	60	23	100 dia x 298	230/50/1	Vent Axia ACM100T	Vent Axia Sonex 100dia x 300 l	Vent Axia Sonex 100dia x 300 l	Switched with Lighting + 15min over run timer	Bathroom/Ensuite
EF2	See Drawing	30	60	23	100 dia x 298	230/50/1	Vent Axia Centrif Duo Plus DP	N/A	N/A	Switched on/off with speed control. To be supplied with wall kit and louvre.	Utility

Notes

Fans to be supplied with vibration isolation mounts

Extract Valve Schedule

Ref No.	No. Off	Duty (l/s)	Width (mm)	Finish	Type	Area Served	Remarks
EX1	6	15	100 dia	White	Gilberts GXF100	Bathroom, Ensuite	

Louvers

Ref No.	No. Off	Duty (l/s)	Area Required @ 50% FA (m ²)	Louvre Size @ 50% FA (mm)	Type
EL/1	See Drawing	30	0.02	150x150	Gilberts - WGF-38 with bird/insect screen

Electric Heater Schedule

Ref No.	No. Of	Duty (W)	Dimensions (HxWxD)	Weight (kg)	Model	Finish	Floor	Room
LL/G/1	1	1500	400x1125x100	8	NOBO - Bali E4E 15 - Thermostat Model	White	G	Building 24 Common Hall
LL/G/1	1	1500	400x1125x100	8	NOBO - Bali E4E 15 - Thermostat Model	White	G	Building 25 Common Hall
LL/1/1	1	750	400x625x100	6	NOBO - Bali E4E 07 - Thermostat Model	White	1	Building 24 Landing
LL/1/1	1	750	400x625x100	6	NOBO - Bali E4E 07 - Thermostat Model	White	1	Building 25 Landing

Cold Water Storage Tank Schedule

Ref No.	Capacity (l)	Manufacturer	Type	Internal Dims (mm) (HxWxD)	External Dims (mm) (HxWxD)
WST1	2000	Balmoral Tanks	Preinsulated Sectional Pre-Insulated (40mm) GRP Potable Storage Tank	1000x1000x2000	1500x1500x2000

Note

Dimensions to be checked on site prior to procurement

Float valve shall be KERAFL0 valve type

Tank to be compliant with current water byelaws

Tank to have insect screen and 2 No. inspection man-ways

Tank to have internal divider

Tank to be suitable for external mounting

*approximate

Booster Pump Schedule

Ref No.	Model	Flow Rate (l/s)	Head (bar)	Motor Rating (kW)	Power Supply (415 V)	Vessel Capacity (l)	Dry Weight (kg)	Terminal Connections	Dimensions (HxWxD) (mm)	Location
BPS1	ALLAN AQUA-SYSTEMS - AA-20508-VP	1.5	4.5	2x1.1	16A	24	208	1 1/2" BSPF	1050x650x1100	Basement Front Vault
BPS2	ALLAN AQUA-SYSTEMS - AA-20508-VP	1.5	4.5	2x1.1	16A	24	208	1 1/2" BSPF	1050x650x1100	Basement Front Vault

Notes

Unit to have integral onboard controls

Pumps to be auto change over run and stand-by

Pumps to be inverter driven/variable speed

Pumps to be supplied with high and low level float switches, anti-vibration mounts and flexible connections.

Pumps to have high and low pressure protection

Boiler Schedule

Ref No.	Input Load (kW)	Output Load (kW)	Entering/Leaving Temp (°C)	Gas Inlet Pressure (mbar)	Model	Fuel Type	Flue Size φ (mm)	Dimensions (HxWxD) (mm)	Location
24A Boiler 1	26.4	24	80/60	20	Vaillant - ecoTEC plus 624 - 8.7 - 24.0kW Condensing System Boiler	G20 Natural Gas	60/100	720x440x300	Basement
25A Boiler 2	26.4	24	80/60	20	Vaillant - ecoTEC plus 624 - 8.7 - 24.0kW Condensing System Boiler	G20 Natural Gas	60/100	720x440x300	Ground Floor
24 B Boiler 3	21	19	80/60	20	Vaillant - ecoTEC plus 824 - 6.7 - 19.0kW Condensing Combination Boiler	G20 Natural Gas	60/100	720x440x300	1st Floor
25B Boiler 4	21	19	80/60	20	Vaillant - ecoTEC plus 824 - 6.7 - 19.0kW Condensing Combination Boiler	G20 Natural Gas	60/100	720x440x300	1st Floor
24C Boiler 5	21	19	80/60	20	Vaillant - ecoTEC plus 824 - 6.7 - 19.0kW Condensing Combination Boiler	G20 Natural Gas	60/100	720x440x300	1st Floor
25C Boiler 6	21	19	80/60	20	Vaillant - ecoTEC plus 824 - 6.7 - 19.0kW Condensing Combination Boiler	G20 Natural Gas	60/100	720x440x300	1st Floor
24D Boiler 7	26.4	24	80/60	20	Vaillant - ecoTEC plus 624 - 8.7 - 24.0kW Condensing System Boiler	G20 Natural Gas	60/100	720x440x300	3rd Floor
25D Boiler 8	26.4	24	80/60	20	Vaillant - ecoTEC plus 624 - 8.7 - 24.0kW Condensing System Boiler	G20 Natural Gas	60/100	720x440x300	3rd Floor

Notes:

Unit to be supplied with matching Vaillant boiler controls, timer and weather compensator. Unit to be supplied with suitable flue kit for installation.

Radiator Schedule
Revision O

Building 25**Basement and Ground****Flat 25A**

Ref No.	Height (mm)	Length (mm)	Room Heat Loss (W)	Radiator Output (W)	Radiator Type	Room
25A/R/B/1	588	1000	1620	972	CARADON STELRAD Concord Plane Double	Bedroom 1
25A/R/B/2	588	1000		972	CARADON STELRAD Concord Plane Double	Bedroom 1
25A/R/B/3	588	1000	1080	1296	CARADON STELRAD Concord Plane Double	Bedroom 2
25A/R/B/4	588	1000	1260	756	CARADON STELRAD Concord Plane Double	Bedroom 3
25A/R/B/5	588	1000		756	CARADON STELRAD Concord Plane Double	Bedroom 3
25A/R/B/6	588	1000	600	720	CARADON STELRAD Concord Plane Single	Hall
25A/R/G/1	588	1100	2600	1560	CARADON STELRAD Concord Plane Double	Drawing room
25A/R/G/2	588	1100		1560	CARADON STELRAD Concord Plane Double	Drawing room
25A/R/G/3	588	1000	960	1152	CARADON STELRAD Concord Plane Double	Dining room
25A/R/G/4	588	500	240	288	CARADON STELRAD Concord Plane Single	Hall
TR/1	1303	540	240	288	MYSON THIRLMERE - Chrome B35/1 with Myson duel fuel heater kit	Ensuite/Bathrooms

First Floor**Flat 25B**

Ref No.	Height (mm)	Length (mm)	Room Heat Loss (W)	Radiator Output (W)	Radiator Type	Room
25B/R/1/1	736	1000	2600	1560	CARADON STELRAD Concord Plane Double	Living room
25B/R/1/2	736	1000		1560	CARADON STELRAD Concord Plane Double	Living room
25B/R/1/3	588	1000	960	1152	CARADON STELRAD Concord Plane Double	Bedroom
25B/R/1/4	588	500	240	288	CARADON STELRAD Concord Plane Single	Hall
TR/1	1303	540	240	288	MYSON THIRLMERE - Chrome B35/1 with Myson duel fuel heater kit	Ensuite/Bathrooms

First Floor and Second**Flat 25C**

Ref No.	Height (mm)	Length (mm)	Room Heat Loss (W)	Radiator Output (W)	Radiator Type	Room
25C/R/1/1	588	1100	1120	1344	CARADON STELRAD Concord Plane Double	Living Room
25C/R/2/1	588	1000	980	1176	CARADON STELRAD Concord Plane Single	Bedroom
TR/1	1303	540	240	288	MYSON THIRLMERE - Chrome B35/1 with Myson duel fuel heater kit	Ensuite/Bathrooms

Second Floor and Third**Flat 25D**

Ref No.	Height (mm)	Length (mm)	Room Heat Loss (W)	Radiator Output (W)	Radiator Type	Room
25D/R/2/1	588	1000	1980	1188	CARADON STELRAD Concord Plane Single	Living room
25D/R/2/2	588	1000		1188	CARADON STELRAD Concord Plane Single	Living room
25D/R/2/3	588	1600	1620	1944	CARADON STELRAD Concord Plane Single	Kitchen
25D/R/2/4	588	500	300	360	CARADON STELRAD Concord Plane Single	Hall
25D/R/2/5	588	1000	800	960	CARADON STELRAD Concord Plane Single	Study
25D/R/3/1	588	1000	1600	960	CARADON STELRAD Concord Plane Single	Bedroom 2
25D/R/3/2	588	1000		960	CARADON STELRAD Concord Plane Single	Bedroom 2
25D/R/3/3	588	1400	1440	1728	CARADON STELRAD Concord Plane Single	Bedroom 1
TR/1	1303	540	240	288	MYSON THIRLMERE - Chrome B35/1 with Myson duel fuel heater kit	Ensuite/Bathrooms

Note

All radiators to be fitted with TEV's

Towel radiators in ensuites and bathrooms to have duel fuel 'summer kit' fitted

Building 24**Basement and Ground****Flat 24A**

Ref No.	Height (mm)	Length (mm)	Room Heat Loss (W)	Radiator Output (W)	Radiator Type	Room
24A/R/B/1	588	1000	1620	972	CARADON STELRAD Concord Plane Double	Bedroom 1
24A/R/B/2	588	1000		972	CARADON STELRAD Concord Plane Double	Bedroom 1
24A/R/B/3	588	1000	1080	1296	CARADON STELRAD Concord Plane Double	Bedroom 2
24A/R/B/4	588	1400	1260	1512	CARADON STELRAD Concord Plane Double	Bedroom 3
24A/R/B/5	588	1000	720	864	CARADON STELRAD Concord Plane Double	Dressing/Utility
24A/R/B/6	588	1000	600	720	CARADON STELRAD Concord Plane Single	Hall
24A/R/G/1	588	1100	2600	1560	CARADON STELRAD Concord Plane Double	Drawing room
24A/R/G/2	588	1100		1560	CARADON STELRAD Concord Plane Double	Drawing room
24A/R/G/3	588	1000	960	1152	CARADON STELRAD Concord Plane Double	Dining room
24A/R/G/4	588	1100	1120	1344	CARADON STELRAD Concord Plane Double	Kitchen
24A/R/G/5	588	500	240	288	CARADON STELRAD Concord Plane Single	Hall
TR/1	1303	540	240	288	MYSON THIRLMERE - Chrome B35/1 with Myson duel fuel heater kit	Ensuite/Bathrooms

First Floor**Flat 24B**

Ref No.	Height (mm)	Length (mm)	Room Heat Loss (W)	Radiator Output (W)	Radiator Type	Room
24B/R/1/1	736	1000	2600	1560	CARADON STELRAD Concord Plane Double	Living room
24B/R/1/2	736	1000		1560	CARADON STELRAD Concord Plane Double	Living room
24B/R/1/3	588	1000	960	1152	CARADON STELRAD Concord Plane Double	Bedroom
24B/R/1/4	588	500	240	288	CARADON STELRAD Concord Plane Single	Hall
TR/1	1303	540	240	288	MYSON THIRLMERE - Chrome B35/1 with Myson duel fuel heater kit	Ensuite/Bathrooms

First Floor and Second**Flat 24C**

Ref No.	Height (mm)	Length (mm)	Room Heat Loss (W)	Radiator Output (W)	Radiator Type	Room
24C/R/1/1	588	1100	1120	1344	CARADON STELRAD Concord Plane Double	Living Room
24C/R/2/1	588	1000	980	1176	CARADON STELRAD Concord Plane Single	Bedroom
TR/1	1303	540	240	288	MYSON THIRLMERE - Chrome B35/1 with Myson duel fuel heater kit	Ensuite/Bathrooms

Second Floor and Third**Flat 24D**

Ref No.	Height (mm)	Length (mm)	Room Heat Loss (W)	Radiator Output (W)	Radiator Type	Room
24D/R/2/1	588	1000	1980	1188	CARADON STELRAD Concord Plane Single	Living room
24D/R/2/2	588	1000		1188	CARADON STELRAD Concord Plane Single	Living room
24D/R/2/3	588	1600	1620	1944	CARADON STELRAD Concord Plane Single	Kitchen
24D/R/2/4	588	1000	800	960	CARADON STELRAD Concord Plane Single	Study
25D/R/3/1	588	1000	1600	960	CARADON STELRAD Concord Plane Single	Bedroom 2
25D/R/3/2	588	1000		960	CARADON STELRAD Concord Plane Single	Bedroom 2
25D/R/3/3	588	1400	1440	1728	CARADON STELRAD Concord Plane Single	Bedroom 1
TR/1	1303	540	240	288	MYSON THIRLMERE - Chrome B35/1 with Myson duel fuel heater kit	Ensuite/Bathrooms

Note

All radiators to be fitted with TEV's

Towel radiators in ensuites and bathrooms to have duel fuel 'summer kit' fitted