



## HOLBORN – PROJECT 1

Mechanical Services

Plant Schedule

Stage 3

WBS-ZZ-XX-SH-M-00001 P01

June 2022

**Waterman Building Services Limited**

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**Client Name:** Tristan Capital Partners  
**Document Reference:** WBS-ZZ-XX-SH-M-00001  
**WBS Project File:** Specs-Holborn Links-Plant Schedules-Stage 3-Rev P01  
**Project Number:** BSD13877

### Quality Assurance – Approval Status

This document has been prepared and checked in accordance with  
Waterman Group's IMS (BS EN ISO 9001: 2015, BS EN ISO 14001: 2015 and BS EN ISO 45001:2018)

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Issue	Date	Prepared by	Checked by	Approved by
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<b>Comments</b>	Stage 3 Issue
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## Disclaimer

This report has been prepared by Waterman Building Services, with all reasonable skill, care and diligence within the terms of the Contract with the client, incorporation of our General Terms and Condition of Business and taking account of the resources devoted to us by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

This report is confidential to the client and we accept no responsibility of whatsoever nature to third parties to whom this report, or any part thereof, is made known. Any such party relies on the report at its own risk.

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## 1. GENERAL NOTES

The performance design herein has been taken to Stage 3 level of detail and special coordination. The contractor shall be fully responsible for developing this to form a complete design and installation, as required within these specifications, reports, drawings and associated documents. As such, rooms and spatial layouts have been developed, but these locations and sizes may change through the design and construct contractors own coordination and detailed design stages.

Please refer to the Main Project Preliminaries and the Watermans MEPH Preliminary Specification for specific details of the Contractor's obligations.

Plant identified within the Major Plant Schedule is to be reselected against the updated requirements of design as undertaken by the Design and Build Contractor, such to deliver a full and working building in line with the performance requirements set out within the contract documents.

## 2. MECHANICAL PLANT

Plant Item	Duty Per Item	Number Off	Notes
Toilet Extract Fan Southampton Row	450l/s @150Pa	Duty & Standby	Make up air via louvre from outside, Refer to drawings.
Toilet Extract Fan 1 Vernon & Sicilian House	150l/s @150Pa	Duty & Standby	Make up air via louvre from outside, Refer to drawings.
Toilet Extract Fan 2 Vernon & Sicilian House	150l/s @150Pa	Duty & Standby	Make up air via louvre from outside, Refer to drawings.
Ground Floor MVHR (Vent Axia) Southampton Row	40l/s @150Pa	1	MVHRs to be provided with attenuation
Basement Air Handling Unit Southampton Row	1500l/s @200Pa	1	Intake/Exhaust duct connections via louvre in roof level. Contractor to allow 10% additional capacity.
Office Air Handling Unit Southampton Row	4220l/s @370Pa	1	Intake/Exhaust duct connections via louvre in roof level. Contractor to allow 10% additional capacity.
Office Air Handling Unit Vernon & Sicilian House	3430l/s @370Pa	1	Intake/Exhaust duct connections via louvre in roof level. Contractor to allow 10% additional capacity.
Landlord's Attenuators	Refer to drawings	Refer to Schematics	Attenuators to be provided wherever in order to meet the requirements set out in the acoustic specification.
VRF Units – Office (1 <sup>st</sup> – 6 <sup>th</sup> ) Southampton Row	Model: PEFY-M###VMA-A Ducted Indoor	Refer to Schematics	For numbers of BC Box, refer to schematic. Contractor to allow 3 sets of spare connections for each box

Plant Item	Duty Per Item	Number Off	Notes
VRF Units – Office (1 <sup>st</sup> – 6 <sup>th</sup> ) Southampton Row	Model: PURY-P###YNW-A1 Outdoor Unit	Refer to Schematics	
VRF Units – Landlord (Basement & Ground) Southampton Row	Model: PEFY-M###VMA-A Ducted Indoor	Refer to Schematics	For numbers of BC Box, refer to schematic. Contractor to allow 3 sets of spare connections for each box
VRF Units – Landlord (Basement & Ground) Southampton Row	Model: PEFY-M###VMA-A Floor Standing Indoor	Refer to Schematics	For numbers of BC Box, refer to schematic. Contractor to allow 3 sets of spare connections for each box
VRF Units (Rear of Ground floor) Southampton Row	Model: PURY-P5###YNW-A1 Outdoor Unit	Refer to Schematics	
VRF Units – Office (1st - 4th) Vernon & Sicilian House	Model: PEFY-M###VMA-A Floor Standing Indoor	Refer to Schematics	For numbers of BC Box, refer to schematic. Contractor to allow 3 sets of spare connections for each box
VRF Units – Office (4 <sup>th</sup> & 5 <sup>th</sup> ) Vernon & Sicilian House	Model: PEFY-M###VMA-A Ducted Indoor	Refer to Schematics	For numbers of BC Box, refer to schematic. Contractor to allow 3 sets of spare connections for each box
VRF Units (Rear of Ground floor) Southampton Row	Model: PURY-P###YNW-A1 Outdoor Unit	Refer to Schematics	
ASHP (Rear of Ground floor) Southampton Row	Monobloc ASHP Model: Outdoor Unit QAHV-N###YA-HPB	Refer to Schematics	



# UK and Ireland Office Locations



