

21027-CBP-XX-XX-RP-A-0003\_P01

# British Library: Schedule of Works.

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## Document Details

**Client Name:** CBRE

**Document Reference:** 21027-CBP-XX-XX-RP-A-0003\_P01-Schedule of Works

**Project Number:** 21027

## Quality Assurance

This document has been prepared and checked in accordance with CBP Architects IMS (ISO9001:2015)

Issue	Date	Prepared by	Checked by	Approved by
P01	01.09.2021	AC	CP	CP

Revision	Comments
PO1	First Issue

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## 1. Schedule of Works

The schedule of works is as follows:

- Install metal supporting framework to Level 4 flat roof, to sit on top of existing concrete slabs. Framework to be weighted by ballast with no penetrations made to the existing roof fabric. (Refer to 21027-CBP-XX-XX-DR-A-7000-P01\_Proposed Details)
- Fit combined solar thermal and PVT installation onto metal framework. (Refer to 21027-CBP-XX-XX-DR-A-7000-P01\_Proposed Details)
- Install horizontal service pipework to Level 4 roof, running from the solar thermal and PVT installation into existing service riser down to Level 3. (Refer to 21027-CBP-XX-04-DR-A-3400-P01\_Proposed Level 4 Roof Plan)
- Install plant equipment within the existing service riser on Level 3 with the required pipe runs. (Refer to 21027-CBP-XX-03-DR-A-3300-P01\_Proposed Level 3 Ductwork Plan).
- Install vertical pipework running from Level 3 to Level 2. (Refer to 21027-CBP-XX-02-DR-A-3200-P01\_Proposed Level 2 Ductwork Plan)
- Install vertical pipework running from Level 2 to Level 1. (Refer to 21027-CBP-XX-01-DR-A-3100-P01\_Proposed Level 1 Ductwork Plan)
- Install vertical pipework running from Level 1 to Upper Ground Floor. (Refer to 21027-CBP-XX-GF-DR-A-3001-P01\_Proposed Upper Ground Floor Ductwork Plan)
- Install vertical pipework running from Upper Ground Floor to Basement Half. (Refer to 21027-CBP-XX-B0-DR-A-2900-P01\_Proposed Basement Half Ductwork Plan)
- Install vertical pipework running from Basement Half to Basement 1. (Refer to 21027-CBP-XX-B1-DR-A-2800-P01\_Proposed Basement 1 Ductwork Plan)
- At Basement 1, install horizontal pipework at high level with pipes routed to the side of existing trunking. Additional pipe supports and support beam

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to be installed where required. (Refer to 21027-CBP-XX-B1-DR-A-2800-P01\_Proposed Basement 1 Ductwork Plan)

- Install 340kW heat exchanger unit with pipework fitted. 340kW heat exchanger unit to be ducted into adjacent service riser by forming a 1.2x2m hole in the existing wall to allow for ductwork through. The heat will be ventilated via natural chimney stack effect. (Refer to 21027-CBP-XX-B1-DR-A-2800-P01\_Proposed Basement 1 Ductwork Plan)
- Install 15000L storage tank. (Refer to 21027-CBP-XX-B1-DR-A-2800-P01\_Proposed Basement 1 Ductwork Plan)
- Install horizontal pipework leading from the 340kW heat exchanger unit to the 15000L storage tank. Pipework to be routed to side of existing electrical containment tray, through new opening in fore wall (junction to be fire-stopped) and existing pipework supports altered to support the new pipework. (Refer to 21027-CBP-XX-B1-DR-A-2800-P01\_Proposed Basement 1 Ductwork Plan)
- Install new heat exchanger with pipework between the heat exchanger and the 15000L storage tank. (Refer to 21027-CBP-XX-B1-DR-A-2800-P01\_Proposed Basement 1 Ductwork Plan)
- Install new hot water heat exchanger connecting to existing hot water calorifier cold feed. (Refer to 21027-CBP-XX-B1-DR-A-2800-P01\_Proposed Basement 1 Ductwork Plan)
- Install horizontal pipework between the hot water heat exchanger and the 15000L storage tank. (Refer to 21027-CBP-XX-B1-DR-A-2800-P01\_Proposed Basement 1 Ductwork Plan)

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