

Legend:

- A1

Suspended direct / indirect LED Dali linear (1140mm)
- A2

Suspended / indirect LED Dali linear (1700mm)
- B1

Suspended LED Dali Downlight
- B2

Suspended LED Dali Downlight (IP44)
- C

Recessed LED Dali Downlight (IP44)
- F1E

Suspended LED IP65 batten Luminaire (1190mm)
- G1

Bespoke Feature LED linear Luminaire to be integrated into Architectural feature
- P1

Suspended LED Feature Pendant
- EO

Stand-alone recessed LED pin spot Emergency
- H

Suspended feature pendant - Resident Bloom Pendant Small
- J

Surface mounted LED Spotlight Astro Ascoli
- K

Track mounted Directional Spotlight
- L1

Suspended LED circular pendant Doppio Direct (Diameter 3500mm)
- L2

Suspended LED Circular pendant Doppio Direct (Diameter 1240mm)
- R

Retractive surface mounted switch
- Manual surface mounted
- PR

Dali Dimmable PIR (diameter range 7000mm)
- PR2

Dali Dimmable PIR (diameter range 8000mm)
- PD

Presence Detector
- EXIT

Illuminated 'Exit' Sign
- M

Dali Dimmable Wall Lamp - Fritz Hansen Caravaggio Read



Do not scale from this drawing.
Verify dimensions by site measurement.
Read this drawing in conjunction with the latest architectural and structural drawings.
This drawing is based on the following information:-

- Notes:
- This drawing shall be read in conjunction with all Engineering Services drawings for this contract.
 - All works indicated on this drawing shall be carried out in accordance with the relevant Engineering Services specification.
 - It is proposed that where possible, all ceiling mounted services are to be routed within the roof void and supplied to 5th floor.
 - This drawing has been produced from a limited-access site survey by an engineer. The contractor shall therefore verify via their own intrusive site survey that the drawing reflects the installations at the commencement of works.
 - The electrical services, equipment and installations which are to remain located in the area of works shall be protected for the duration of works.
 - As part of this project, new accessible 'boarding' shall be installed throughout the roof void to allow future access and maintenance of plant. The ESI shall fully coordinate with the main contractor.
 - It is proposed that where possible, all ceiling mounted services are to be routed within the roof void and supplied to 5th floor from above.
 - This ESI shall provide new LED lighting throughout the roof void area for maintenance purposes
 - The ESI shall employ a FA specialist to design and install new FA detection throughout the roof void
 - Any services that are to remain, but inadvertently stripped out or damaged shall be re-installed by the ESI at no cost to the Employer, and to the satisfaction of the Engineer.
 - Refurbishment works will be undertaken within an occupied building. The ESI shall therefore ensure noisy works including noisy works, including drilling, etc shall be completed out of normal working hours.
 - The ESI shall dispose of all redundant materials utilising their own skips, etc, in accordance with the building landlord's access conditions.
 - All works on site shall be undertaken in liaison with the site managers; no works shall be commenced without a permit to work and without comprehensive method statements and risk assessments.
 - Works shall be arranged such that there is no disruption to occupied staff. All works shall be undertaken in accordance with the Employers and building landlord's site rules and restrictions.
 - The ESI shall allow for full liaison and co-ordination with other parties regarding the extent of provision and interfacing, to ensure that the delivery/ site assembly are co-ordinated on site.
 - Services requiring maintenance shall be kept within accessible areas.
 - New builderwork holes shall be formed by the ESI or Principal Contractor, including fire stopping where necessary.
 - All new plants shall be supported independently and not utilise ceiling for support.
 - The lighting/lighting control shall be coordinated with all other services.
 - Final locations of all ceiling penetrations for electrical services shall be co-ordinated with the roof joists by the ESI.
 - The ESI shall employ a structural engineer to check for the suitability of the existing structure to support new plant items and distribution services

P04	08/08/24	Revised Tender Issue With Minor Coordination Modifications.	BT	SR
P03	02/08/24	Tender Issue.	BT	SR
P02	26/07/24	Preliminary Issue.	BT	SR
P01	19/07/24	Work In Progress.	BT	SR
Rev	Date	Description	Checked	Approved

H

M

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Client

AM Alpha

Project

Royal London House
196 Deansgate, Manchester
5th Floor Refurbishment Works

Drawing Title

Electrical Services
5th Floor
Proposed Lighting Layout

Scale	Sheet Size	Designed	Checked
1:100	A1	BT	SR
Project Status	Suitability	HM Project No.	
TENDER		35660	
Drawing No.	Rev		
35660-HML-XX-05-GA-E-171001	P04		