

Electrical External Services
1:200

Power ducts for vehicle charging.
Assume 2 No 100mm dia ducts to each charging point location for power & comms. Ducts to be provided for future charging points at each parking bay

Incoming power & comms ducts to Unit 1c.
Assume 3 No 150mm diameter power ducts & 2 No 100mm diameter comms ducts. Numbers & sizes to be confirmed at detail design stage

Power & comms ducts to pumping station

External lighting ducts & future CCTV ducts - assumed 100mm diameter each

Assume 4 No 150mm diameter power ducts & 4 No 100mm diameter comms ducts. Numbers & sizes to be confirmed at detail design stage

Power ducts for vehicle charging.
Assume 2 No 100mm diameter ducts to each charging point location for power & comms. Ducts to be provided for future charging points at each parking bay

Incoming power & comms ducts to Unit 1b.
Assume 3 No 150mm diameter power ducts & 2 No 100mm diameter comms ducts. Numbers & sizes to be confirmed at detail design stage

Power & comms ducts for interceptor & possible future vehicle barrier

Duct for Battery Energy Storage System
External Feeder Pillar

External lighting ducts & future CCTV ducts - assumed 100mm diameter each

Assume 8 No 150mm diameter power ducts & 4 No 100mm diameter comms ducts. Numbers & sizes to be confirmed at detail design stage

Cable routes to be co-ordinated with below ground drainage systems.

Power & comms ducts for interceptor & possible future vehicle barrier

Incoming power and comms ducts to Unit 1a.
Assume 3 No 150mm diameter power ducts & 2 No 100mm diameter comms ducts. Numbers & sizes to be confirmed at detail design stage

Power & comms ducts for possible future vehicle barrier

Incoming power and comms ducting to be co-ordinated with enabling works contractor & MAG IT & CTI preferred comms provider.
Assume 8 No 150mm diameter power ducts & 4 No 100mm diameter comms ducts. Numbers & sizes to be confirmed at detail design stage

Power ducts for vehicle charging.
Assume 2 No 100mm diameter ducts to each charging point location for power & comms. Ducts to be provided for future charging points at each parking bay

Legend

- 25m High mast LED flood lighting to be located to suit future building 402 development
- 6m Column mounted LED car park flood lighting
- Indicative drain pit locations
- External LV Feeder Pillar
- Indicative cable duct routes, services as noted. Sizes & numbers estimates shown on drawing, to be confirmed at next design stage.
- Circular bulkhead LED IP65 building mounted fitting (perimeter building lighting)
- LED area flood light building mounted IP65 (above loading bay doors)

Project

Building 401
Manchester Airport

UK & IRELAND

Client

Threadneedle Curtis
Ltd

Consultant

AECOM
1 New York Street
Manchester
M1 4HD
United Kingdom
Fax +44 (0)161 601 1799
Tel +44 (0)161 601 1700
www.aecom.com

Notes

GENERAL NOTES

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ANY RELEVANT STRUCTURAL, ARCHITECTURAL AND CONSULTANTS INFORMATION AND DRAWINGS.
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH THE SERVICES SCHEMATICS, STAGE 3 PERFORMANCE SPECIFICATION AND STAGE 3 DOCUMENTATION
- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS IN mm UNLESS OTHERWISE STATED.
- THIS DRAWING REPRESENTS STAGE 3 DESIGN INTENT ONLY IN LINE WITH BSRIA B06 FOR THE STAGE 3 SCHEME DESIGN GATEWAY. THIS DESIGN IS INTENDED TO BE DEVELOPED THROUGH THE SUBSEQUENT DESIGN STAGES AND IS NOT TO BE USED FOR CONSTRUCTION.
- THE DRAWING DOES NOT INDICATE THE PRECISE SIZES, QUANTITIES AND POSITIONS OF SERVICES HOWEVER OUTLINES THE INTENDED LOCATIONS OF BUILDING SERVICES ITEMS AND SERVICE ROUTES IN SUCH DETAIL AS TO INDICATE THE DESIGN CO-ORDINATION STRATEGY. THE DRAWING DOES NOT SHOW ALL COMPONENTS THAT MAY BE NECESSARY TO LOCATE SERVICES IN A FULLY CO-ORDINATED MANNER.
- THE POSITIONS OF ALL CONNECTION POINTS, ACCESSORIES, EQUIPMENT AND OTHER BUILDING SERVICES ITEMS AS SHOWN ON THE DRAWING ARE APPROXIMATE AND FOR GUIDANCE IN THE PREPARATION OF THE RIBA STAGE 3 GATEWAY.
- INDICATIVE CABLE DUCT ROUTES ONLY SHOWN. NUMBERS, TYPES AND LOCATIONS OF CABLE DUCT & CABLE DRAW PITS SHALL BE DETERMINED AT THE NEXT STAGE OF DESIGN
- THE CONTRACTOR SHALL LIAISE WITH THE SITE ENABLING CONTRACTOR & MAG IT IN ORDER TO DETERMINE THE INCOMING POWER & COMMS SERVICES LOCATIONS.
- THE CABLE DUCTING NETWORK & LIGHTING ARRANGEMENTS SHALL CONSIDER AND BE PROVIDED TO ACCOMMODATE THE FUTURE DEVELOPMENT OF THE UNIT 402 SITE.
- LIGHTING LEVELS & CONTROL METHODS SHALL BE AS SET OUT IN THE STAGE 3 PERFORMANCE DESIGN SPECIFICATION

Issue/Revision

T2	20/05/22	Tender Update	SA/SL/LG
T1	09/05/22	Tender Update	SA/SL/LG
Rev	1	Date	Description

Key Plan

Unit 1c	Unit 1b	Unit 1a
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Suitability Status

S2 - Suitable For Information

Project Number

60663052

Sheet Title

Building 401
Electrical External Services

Sheet Number

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Scale: As indicated@A0

Rev: T2

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