

LUMINAIRE MOUNTING HEIGHTS

UNLESS OTHERWISE NOTED ON THE DRAWINGS, EXTERNAL LUMINAIRES SHALL BE INSTALLED AT THE FOLLOWING HEIGHTS (AFFL):

FAÇADE LIGHTING:
MAIN BUILDING - 2600mm
EXTERNAL BUILDING - 2400mm
3550
DENOTES MOUNTING
HEIGHT OF LUMINAIRES
WITHIN A SPACE (mm)

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NOTES

- DO NOT SCALE FROM THIS DRAWING.
- ALL DIMENSIONS ARE IN MILLIMETRES U.N.O.
- ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM U.N.O.
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS AND ENGINEERS DRAWINGS AND REPORT.
- ALL DRAWINGS ARE BASED ON FROZEN ARCHITECTURAL DRAWINGS, DATED 11/04/25, AND THE CORRESPONDING REVIT MODEL ISSUED ON 11/04/25
- "E" DENOTES EMERGENCY LUMINAIRE FITTING

DRAWING NOTES

THIS DRAWING HAS BEEN PRODUCED TO SHOW THE ELECTRICAL SERVICES INTENT AND TO AID THE CONTRACTOR THROUGHOUT THE TENDERING PROCESS. THIS DRAWING IS NOT FULLY COORDINATED WITH ALL PARTIES AND IS SUBJECT TO FURTHER DEVELOPMENT.

CONTRACTOR TO DESIGN AND INSTALL LIGHTNING PROTECTION TO ALL EXTERNAL BUILDINGS AND STORE ROOMS IN ACCORDANCE WITH BS EN 62305.

KEY NOTES

- ALLOWANCE TO BE PROVIDED FOR TELESCOPIC BOLLARD CONTROL PANEL AND ASSOCIATED BELOW GROUND TRENCHING/STRUCTURING FOR HYDRAULIC CONNECTIONS. ALL ROUTING AND LOCATIONS OF ALL EQUIPMENT IS INDICATIVE AND SHALL BE CONFIRMED BY THE SECURITY CONSULTANT
- INDICATIVE BOLLARD CONTROL PANEL. REQUIREMENTS TBC BY SECURITY SPECIALIST.
- EXTERNAL SERVICES LTG & SP DB 02 (LV2A/00/03)
- EXTERNAL SERVICES LTG & SP DB 01 (LV1A/00/12)
- EVC SUPPLY & ASSOCIATED EVC CONTROL PANEL / SWITCHBOARD
- LUMINAIRES MOUNTED WITHIN ENTRANCE CANOPY
- ELECTRIC BIKE CARING POINTS

LIGHTING LEGEND

- EX-A01 EXTERNAL WALL MOUNTED LUMINAIRE
- EX-A02 EXTERNAL WALL MOUNTED LUMINAIRE
- EX-B01 EXTERNAL POLE MOUNTED LUMINAIRE, TYPE 1
- EX-B02 EXTERNAL POLE MOUNTED LUMINAIRE, TYPE 2
- EX-C01 EXTERNAL LIGHTING BOLLARD
- EX-D01 EXTERNAL RECESSED LUMINAIRE
- F1 SURFACE MOUNTED LINEAR LUMINAIRE
- TELESCOPIC MOUNTED BOLLARD. REFER TO LANDSCAPE DESIGNERS INFORMATION PACK FOR BOLLARD TYPE.
- EVC TWIN FLOOR STANDING 22KW ELECTRIC VEHICLE RECHARGING STATION WITH EMBEDDED MID METERING.
- FINAL POSITIONING OF EVC STATIONS TO BE COORDINATED WITH LANDSCAPE SPECIALIST.
- BELOW GROUND SERVICE DUCT. EXACT SIZE AND ROUTING TO BE COORDINATED BY THE CONTRACTOR DURING THE NEXT DESIGN STAGE. CURRENT PROVISION IS FOR BELOW GROUND SERVICE DUCTS TO BE 300mm, BURIED AT DEPTH OF 450mm.
- ACCESS PIT TO SERVICE DUCT. ACCESS PIT TO BE COMPLETE WITH INFILL SECTION TO MATCH THE SURROUNDING PAVING/LANDSCAPING. THE CURRENT PROVISION IS FOR ACCESS FITS TO BE 600mm x 600mm. EXACT SIZING OF ACCESS FITS TO BE COORDINATED BY THE CONTRACTOR DURING THE NEXT DESIGN STAGE.

- 150mm x 25mm MEDIUM DUTY FIRE ALARM CABLE TRAY
- 100mm x 50mm 2 COMPARTMENT GALVANISED TRUNKING.
- TWIN SWITCHED SOCKET OUTLET
- FUSED UNSWITCHED CONNECTION UNIT
- DATA OUTLET
- SP & N SWITCH DISCONNECTOR (RATING AS INDICATOR)
- SP & N ROTARY SWITCH DISCONNECTOR (RATING AS INDICATOR)
- TP & N SWITCH DISCONNECTOR (RATING AS INDICATOR)
- FIRE ALARM BREAKGLASS UNIT
- AUTOMATIC DETECTOR WITH ELECTRONIC SOUNDER BASE

PO4	STAGE 4A REDESIGN DRAWING ISSUE	14/05/25	PH / RB
PO3	STAGE 4A REDESIGN DRAWING ISSUE	22/03/25	PH / RB
PO2	STAGE 4A DRAWING ISSUE	31/07/24	RB / KZ
PO1	STAGE 4A DRAWING ISSUE FOR REVIEW AND COMMENT	28/03/24	RB / CH

Rev	Description	Date	By / CH	App
Revision Schedule				

STATUS - S4

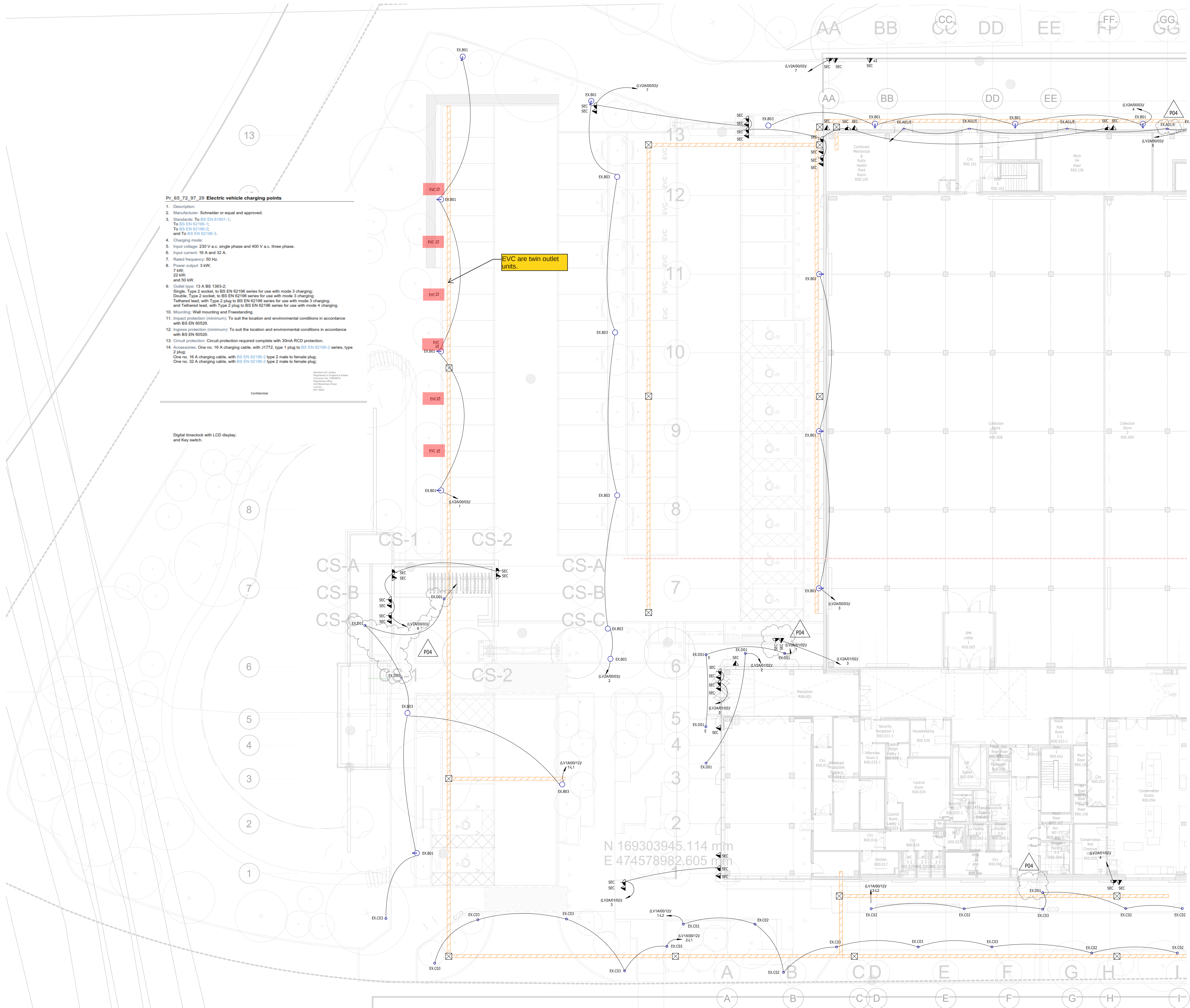
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ELECTRICAL SYSTEMS
EXTERNAL SERVICES
COMBINED ELECTRICAL
SERVICES DRAWING
SHEET 2 OF 2

Project No:	Scale (S A3):	Date:	Drawn:
1620012379	1:150	28/04/23	AR
Drawing No:		Rev:	
RD001-RAM-XX-00-DR-E-6102			P04



- Pr_65_72_97_29 Electric vehicle charging points
- Description:
 - Manufacturer: Schneider or equal and approved.
 - Standards: To BS EN 61851-1;
To BS EN 62196-1;
To BS EN 62196-2;
and To BS EN 62196-3.
 - Charging mode:
 - Input voltage: 230 V a.c. single phase and 400 V a.c. three phase.
 - Input current: 16 A and 32 A.
 - Rated frequency: 50 Hz.
 - Power output: 3 kW;
7 kW;
22 kW;
and 50 kW.
 - Outlet type: 13 A BS 1363-2;
Single, Type 2 socket, to BS EN 62196 series for use with mode 3 charging;
Double, Type 2 socket, to BS EN 62196 series for use with mode 3 charging;
Tethered lead, with Type 2 plug to BS EN 62196 series for use with mode 3 charging;
and tethered lead, with Type 2 plug to BS EN 62196 series for use with mode 4 charging.
 - Mounting: Wall mounting and Free-standing.
 - Impact protection (minimum): To suit the location and environmental conditions in accordance with BS EN 60529.
 - Ingress protection (minimum): To suit the location and environmental conditions in accordance with BS EN 60529.
 - Circuit protection: Circuit protection required complete with 30mA RCD protection.
 - Accessories: One no. 16 A charging cable, with J1772, type 1 plug to BS EN 62196-2 series, type 2 plug;
One no. 16 A charging cable, with BS EN 62196-2 type 2 male to female plug;
One no. 32 A charging cable, with BS EN 62196-2 type 2 male to female plug.

Digital timeclock with LCD display;
and Key switch.