DUB14/15

The distribution board schedule indicates populated ways only.

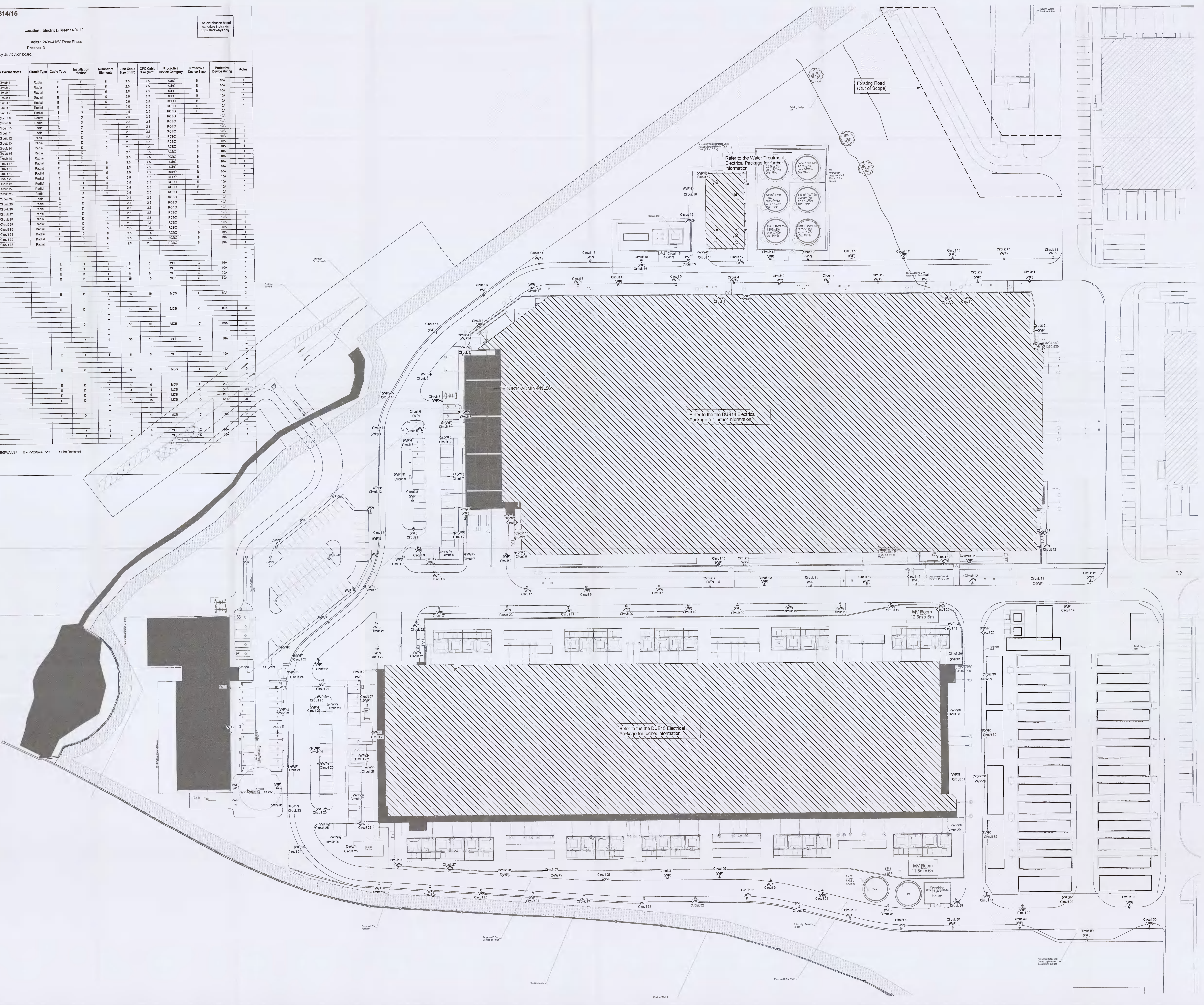
Distribution Board Ref: DUB14-ADMIN-PNL06.
Supplied From:
Number of TP Ways: 24
Incoming Device Rating/Type: 160 A/Switch Disconnector
Notes: The design indicates a 24 Way distribution board

Location: Electrical Riser 14.01.10
Volts: 240V/415V Three Phase
Phases: 3

CKT	Load Name	Schedule Circuit Notes	Circuit Type	Cable Type	Installation Method	Number of Elements	Line Cable Size (mm²)	CPC Cable Size (mm²)	Protective Device Category	Protective Device Type	Protective Device Rating	Poles
L1/1	External Lighting	Circuit 1	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L2/1	External Lighting	Circuit 2	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L3/1	External Lighting	Circuit 3	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/2	External Lighting	Circuit 4	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L2/2	External Lighting	Circuit 5	Radial	E	D	6	2.5	2.5	RCBO	B	10A	1
L3/2	External Lighting	Circuit 6	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/3	External Lighting	Circuit 7	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L2/3	External Lighting	Circuit 8	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L3/3	External Lighting	Circuit 9	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/4	External Lighting	Circuit 10	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L2/4	External Lighting	Circuit 11	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L3/4	External Lighting	Circuit 12	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/5	External Lighting	Circuit 13	Radial	E	D	6	2.5	2.5	RCBO	B	10A	1
L2/5	External Lighting	Circuit 14	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L3/5	External Lighting	Circuit 15	Radial	E	D	1	2.5	2.5	RCBO	B	10A	1
L1/6	External Lighting	Circuit 16	Radial	E	D	1	2.5	2.5	RCBO	B	10A	1
L2/6	External Lighting	Circuit 17	Radial	E	D	6	2.5	2.5	RCBO	B	10A	1
L3/6	External Lighting	Circuit 18	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/7	External Lighting	Circuit 19	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L2/7	External Lighting	Circuit 20	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L3/7	External Lighting	Circuit 21	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/8	External Lighting	Circuit 22	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L2/8	External Lighting	Circuit 23	Radial	E	D	6	2.5	2.5	RCBO	B	10A	1
L3/8	External Lighting	Circuit 24	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/9	External Lighting	Circuit 25	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L2/9	External Lighting	Circuit 26	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L3/9	External Lighting	Circuit 27	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/10	External Lighting	Circuit 28	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L2/10	External Lighting	Circuit 29	Radial	E	D	4	2.5	2.5	RCBO	B	10A	1
L3/10	External Lighting	Circuit 30	Radial	E	D	5	2.5	2.5	RCBO	B	10A	1
L1/11	External Lighting	Circuit 31	Radial	E	D	6	2.5	2.5	RCBO	B	10A	1
L2/11	External Lighting	Circuit 32	Radial	E	D	6	2.5	2.5	RCBO	B	10A	1
L3/11	External Lighting	Circuit 33	Radial	E	D	4	2.5	2.5	RCBO	B	10A	1
L1/12	Space					-						-
L2/12	Space					-						-
L3/12	Space					-						-
L1/13	Security Control Panel			E	D	1	6	6	MCB	C	16A	1
L2/13	Process Water Actuator			E	D	1	4	4	MCB	C	10A	1
L3/13	Petrol Interceptor			E	D	1	6	6	MCB	C	20A	1
L1/14	Electric Vehicle Car Charging Point			E	D	1	35	16	MCB	C	80A	3
L2/14	-					-						-
L3/14	-					-						-
L1/15	Electric Vehicle Car Charging Point			E	D	1	35	16	MCB	C	80A	3
L2/15	-					-						-
L3/15	-					-						-
L1/16	Electric Vehicle Car Charging Point			E	D	1	35	16	MCB	C	80A	3
L2/16	-					-						-
L3/16	-					-						-
L1/17	Electric Vehicle Car Charging Point			E	D	1	35	16	MCB	C	80A	3
L2/17	-					-						-
L3/17	-					-						-
L1/18	Electric Vehicle Car Charging Point			E	D	1	35	16	MCB	C	80A	3
L2/18	-					-						-
L3/18	-					-						-
L1/19	Rain Water Harvesting Pump			E	D	1	6	6	MCB	C	10A	3
L2/19	-					-						-
L3/19	-					-						-
L1/20	Rain Water Harvesting Pump			E	D	1	6	6	MCB	C	10A	3
L2/20	-					-						-
L3/20	-					-						-
L1/21	Petrol Interceptor			E	D	1	6	6	MCB	C	20A	1
L2/21	Process Water Actuator			E	D	1	4	4	MCB	C	10A	1
L3/21	Petrol Interceptor			E	D	1	6	6	MCB	C	20A	1
L1/22	Rain Water Harvesting Pump			E	D	1	16	16	MCB	C	50A	3
L2/22	-					-						-
L3/22	-					-						-
L1/23	Rain Water Harvesting Pump			E	D	1	16	16	MCB	C	50A	3
L2/23	-					-						-
L3/23	-					-						-
L1/24	Process Water Actuator			E	D	1	4	4	MCB	C	10A	1
L2/24	Process Water Actuator			E	D	1	4	4	MCB	C	10A	1
L3/24												

Cable Types:
A = XLPE/LSF B = LSF Singles C = PVC Singles D = XLPE/SWA/LSF E = PVC/SWA/PVC F = Fire Resistant

Installation Method:
B = In Trunking D = In Ducts E = On Perforated Cable Tray



Approvals:

Customer	Microsoft	Date 29/01/21
Microsoft Mechanical Engineer	Andrew Layer	
Microsoft Telecom Engineer	Cathal O'Sullivan	
Microsoft Electrical Engineer	Alan Kellett	
Engineering Manager	Declan Comerford	
Security Manager	Michael O'Donnell	
CSA	Laoise Maher / Sharendra Naidu	

General Notes:

1. This is not an installation drawing and shows design intent information only.
2. All dimensions are in millimetres (mm) unless noted otherwise. all levels are in metres (m)unless noted otherwise.
3. Do not scale; work to figured dimensions only. This drawing shall be read in conjunction with building services documents and other relevant contract documents.
4. Equipment and plant details are not manufacturer specific. Contractor selected equipment shall meet the given constraints and long lead equipment will be coordinated by the GC based on final equipment selection.
5. All service penetrations through fire rated compartments shall be fire stopped to achieve a rating equivalent to the compartment and shall be designed to accommodate thermal movement.
6. All services crossing the movement joints shall be installed to accommodate the movements as defined in the structural engineers contract documentation.
7. The Contractor will produce fully coordinated installation drawings prior to installation for approval.
8. The Contractor will produce as built drawings prior to handover for approval.

Issue	Date	Revision Description
P02	09/04/21	Issue for IFC
P01	12/03/21	Issue for 90%

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Client
Microsoft

Project Title
DUB14/15 PROPOSED MODIFICATIONS TO PREVIOUSLY APPROVED SCHEME SD20A/0283

Key Plan

Drawing Title
Electrical Services
Site
Lighting Layout

Scale at A0 1 : 500
By / Chkd / Appd Author/Checker/Approver
Role Electrical
Status S3 - Issue for Review and Comment
Arup Job No 279225
Rev P02
ID DUB14-15_E-D-100

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