

Existing Distribution Board 'DB1' to be modified									
Project:	Camden Road		Type:	16 Way TP&N MCB DB					
Board reference:	DB1		Board Location:	Ticket Office, Kitchen					
Incoming cable:	4 Core 25mm ² SWA cable		Fed from:	REC Sub-Main Bulbar					
Incoming protection:	ASA TP&N Fuse Switch								
Ways	Phase	Description	MCB type	MCB rating (A)	CSA (mm ²)	Circuit type	Cables type (mm ²)	CPC Type/ Size (mm ²)	
1	L1	LHS Plus Centre Desk Sockets	C	16	2.5	Radial	PVC	Separate	
2	L2	CR Desk Socket Under Counter	C	32	2.5	Radial	PVC	Separate	
3	L3	RHS Desk Socket Under Counter	C	32	2.5	Radial	PVC	Separate	
4	L1	Spore	Spore						
5	L2	Ticket Office Socket	C	32	4	Radial	MCC	Separate	
6	L3	LHS Ticket Machine	C	20	2.5	Fixed Power	PVC	Separate	
7	L1	Spore	Spore						
8	L2	Booking Hall Heaters	C	20	2.5	Fixed Power	PVC	Separate	
9	L3	Kitchen Water Heater	C	16	2.5	Fixed Power	PVC	Separate	
10	L1	Alarm Panel	C	6	2.5	Fixed Power	PVC	Separate	
11	L2	Coffee Bar in Booking Hall	NO INFO ON SITE						
12	L3	Low Level Spur in Kitchen	C	10	2.5	Radial	PVC	Separate	
13	L1	Spore	Spore						
14	L2	Spore	Spore						
15	L3	Ticket Office Heater	C	10	2.5	Fixed Power	PVC	Separate	
16	L1	Shower OPS Vent Fan	C	16	2.5	Fixed Power	PVC	Separate	
17	L2	Spore	Spore						
18	L3	Spore	Spore						
19	L1	Spore	Spore						
20	L2	Spore	Spore						
21	L3	Kitchen Heater	C	10	2.5	Fixed Power	PVC	Separate	
22	L1	Spore	Spore						
23	L2	Socket Over Spore Desk	C	16	2.5	Radial	PVC	Separate	
24	L3	Toilet Heater	C	10	2.5	Fixed Power	PVC	Separate	
25	L1	RHS Ticket Machine	C	20	2.5	Fixed Power	MCC	Separate	
26	L2	Supply to Gate Transformer	C	32	2.5	Fixed Power	MCC	Separate	
27	L3	Stat Spurt Socket at Centre Desk	C	20	2.5	Radial	PVC	Separate	
28	L1	Spore	Spore						
29	L2	Spore	Spore						
30	L3	Ticket Office Lighting	C	10	1.5	Lighting	PVC	Separate	
31	L1	Spore	Spore						
32	L2	Spore	Spore						
33	L3	Spore	Spore						
34	L1	Spore	Spore						
35	L2	Booking Hall New Emergency Lighting	C	10	2.5	Lighting	1	Cable Core	
36	L3	Booking Hall New Lighting	C	10	2.5	Lighting	1	Cable Core	
37	L1	Ticket Office workstation, monitor and staff TF	C	20	4.0	Fixed Power	1	Cable Core	
38	L2	Outdoor Lighting/Column Lighting	C	10	2.5	Lighting	1	Cable Core	
39	L3	Booking Hall Lighting	C	10	1.5	Lighting	3W/PVC	Separate	
40	L1	Booking Hall Lighting	C	10	1.5	Lighting	3W/PVC	Separate	
41	L2	Subway Lighting	C	10	1.5	Lighting	3	Separate	
42	L3	Southbound Staircase Lighting	C	10	1.5	Lighting	3	Separate	
43	L1	Westbound Staircase Lighting	C	10	1.5	Lighting	3	Separate	
44	L2	Main Hall Wall Lighting	C	10	1.5	Lighting	3W/PVC	Separate	
45	L3	Spore	Spore						
46	L1	Spore	Spore						
47	L2	Spore	Spore						
48	L3	Spore	Spore						

- Notes:
- New circuits required are shown in bold in the above schedule.
 - Electrical Contractor shall test and report on the condition of all existing cabling prior to re-use.
 - The existing lighting circuits 43-L1 for Platform 1 Staircase and 42-L3 for Platform 2 Staircase shall be extended to feed the new lighting on the respective staircases.
 - The existing REC supply three phase power supply intake fuses are currently (January 2010) labelled L1-100A, L2-100A and L3-60A. The existing REC supply supplies the station facilities, the AS&TE depot and an ATM Room.
 - The overall proposed loading of the station facilities on the existing supply is assumed to be L1-70A, L2-35A and L3-35A. The impact of all other non-station facilities on the supply is unknown. In relation to LOROL's response (reference N° LOROL-FAC-000438), the existing supply will need to be assessed by others to determine if the existing supply is sufficient to cater for all its outgoings (station and non-station facilities).

Existing Distribution Board 'DB2' to be modified									
Project:	Camden Road				Type:	4 Way TP&N MCB DB			
Board reference:	DB2				Board location:	Ticket Office, Kitchen			
Incoming cable:	16mm ² Cable Type 4				Fed from:	REC Sub-Main Bulbar			
Incoming protection:	ASA TP&N Fuse Switch								
Ways	Phase	Description	MCB type	MCB rating	CSA (mm ²)	Circuit type	Cable type	CPC type/ Size (mm ²)	
1	L1	Canopy Lighting Contractor	C	6	1.5	Lighting	SC	SC/1.5	
1	L2	Westbound Canopy Lighting	C	10	2.5	Lighting	1	Cable Core	
1	L3	Westbound Canopy and Column Lighting	C	16	2.5	Lighting	1	Cable Core	
2	L1	Westbound Canopy and Column Lighting	C	16	2.5	Lighting	1	Cable Core	
2	L2	Westbound Canopy Lighting	C	10	2.5	Lighting	1	Cable Core	
2	L3	Spore							
3	L1	Platform Lighting Contractor	C	6	1.5	Lighting	SC	SC/1.5	
3	L2	Eastbound Wall Mounted Lighting	C	16	2.5	Lighting	1	Cable Core	
3	L3	Eastbound Wall Mounted Lighting	C	16	2.5	Lighting	1	Cable Core	
4	L1	Eastbound Column Lighting	C	16	4	Lighting	1	Cable Core	
4	L2	Eastbound Column Lighting	C	16	4	Lighting	1	Cable Core	
4	L3	Eastbound Column Lighting	C	16	4	Lighting	1	Cable Core	

- Notes:
- New circuits required are shown in bold in the above schedule.
 - Electrical Contractor shall test and report on the condition of all existing cabling prior to re-use.
 - The Electrical Contractor shall re-use the existing lighting control panel (located in the Ticket Office Kitchen) to control the proposed lighting. The existing lighting control panel contains four CCN440 contactors, two for the canopy lighting on Platform 1 and two for the platform lighting on Platform 2. The existing lighting control panel will be re-used to feed the proposed lighting on Platform 1 and Platform 2. Refer to the Lighting Control Circuit Diagram on dwg CMD-ELE-P-110-5-02.
 - A new cable termination box shall be installed on Platform 1 for the termination of the cables for the canopy and platform lighting.
 - There is no requirement for traction bonding at platform level as all of the Lighting Columns have been placed at least 2m from the nearest OLE Gantry.

New Distribution Board 'DB CER'									
Station:		Camden Road			Type:	13-Way SP&N (Crabtree Polestar Ltd No.1813/21A)			
Board reference:		DB-CER			Board location:	Store Room at bottom of platform 2 staircase			
Incoming cable:		16mm ² Cable Type 2 and Cable type 3			Fed from:	REC Sub-Main Bulbar			
Incoming protection:		ASA TP&N Fuse Switch							
Ways	Phase	Description	MCB type	MCB rating (A)	CSA (mm ²)	Circuit type	Cable type	CPC Type / Size (mm ²)	
1	L1	CER Central Equipment Cabinet (UPS Supply)	C	25	6.0	Fixed Power	1	Cable Core	
2	L1	CCTV Switch Cabinet on Platform 1	C	25	6.0	Fixed Power	1	Cable Core	
3	L1	CCTV Switch Cabinet on Platform 2	C	25	6.0	Fixed Power	1	Cable Core	
4	L1	CER Central Equipment Cabinet (Ancillary Supply)	C	32	6.0	Fixed Power	1	Cable Core	
5	L1	Booking Hall CCTVDS and CIS	C	20	6.0	Radial	1	Cable Core	
6	L1	PHP and NII on platform 1	C	25	6.0	Radial	1	Cable Core	
7	L1	PHP and NII on platform 2	C	25	6.0	Radial	1	Cable Core	
8	L1	Spore	-	-	-	-	-	-	
9	L1	Spore	-	-	-	-	-	-	
10	L1	Spore	-	-	-	-	-	-	
11	L1	Spore	-	-	-	-	-	-	
12	L1	Spore	-	-	-	-	-	-	
13	L1	Spore	-	-	-	-	-	-	

- Notes:
- The CER is to be located in the store room at the bottom of Platform 2 Staircase, as agreed with LOROL.

New 24V AC PSU (Power Supply Unit) PSU-CER for CCTV Camera Demolish in Main Entrance, Booking Hall, Staircase and Subway Areas									
The PSU is provided by LOROL direct works contractor. Cabling is provided by the Ambience Contractor									
Station:	Camden Road		Type:	1U BA 19" Rack mounted 16 output 24V ac 34 Output Power Supply (Altronix Corp type 'Vertiline 24')					
PSU reference:	PSU-CER		PSU Location:	Store room at the bottom of platform 2 stairs, within the Central Equipment Cabinet					
Incoming cable:	16mm ² Cable type 1		Fed from:	DB-CER / 4.1					
Incoming protection:	32A								
Ways	Description	Fuse type	Fuse rating Amps	CSA (mm ²)	Cable Length	Circuit type	Cable type	CPC Type/Size (mm ²)	
1	CCTV Cameras CAM001	ABF	3	1.5	70m	Fixed Power	1	Cable core	
2	CCTV Cameras CAM002	ABF	3	1.5	70m	Fixed Power	1	Cable core	
3	CCTV Cameras CAM003	ABF	3	1.5	60m	Fixed Power	1	Cable core	
4	CCTV Cameras CAM004	ABF	3	1.5	50m	Fixed Power	1	Cable core	
5	CCTV Cameras CAM005	ABF	3	1.5	50m	Fixed Power	1	Cable core	
6	CCTV Cameras CAM006	ABF	3	1.5	70m	Fixed Power	1	Cable core	
7	CCTV Cameras CAM007	ABF	3	1.5	40m	Fixed Power	1	Cable core	
8	CCTV Cameras CAM008	ABF	3	1.5	45m	Fixed Power	1	Cable core	
9	CCTV Cameras CAM009	ABF	3	1.5	35m	Fixed Power	1	Cable core	
10	CCTV Cameras CAM010	ABF	3	1.5	50m	Fixed Power	1	Cable core	
11	CCTV Cameras CAM011	ABF	3	1.5	40m	Fixed Power	1	Cable core	
12	CCTV Cameras CAM012	ABF	3	1.5	45m	Fixed Power	1	Cable core	
13	CCTV Cameras CAM013	ABF	3	1.5	10m	Fixed Power	1	Cable core	
14	CCTV Cameras CAM014	ABF	3	1.5	12m	Fixed Power	1	Cable core	
15	CCTV Cameras CAM015	ABF	3	1.5	70m	Fixed Power	1	Cable core	
16	CCTV Cameras CAM016	ABF	3	1.5	65m	Fixed Power	1	Cable core	
17	CCTV Cameras CAM017	ABF	3	1.5	45m	Fixed Power	1	Cable core	
18	CCTV Cameras CAM018	ABF	3	1.5	55m	Fixed Power	1	Cable core	
19	CCTV Cameras CAM019	ABF	3	1.5	60m	Fixed Power	1	Cable core	
20	CCTV Cameras CAM020	ABF	3	1.5	55m	Fixed Power	1	Cable core	
21	CCTV Cameras CAM021	ABF	3	1.5	40m	Fixed Power	1	Cable core	
22	CCTV Cameras CAM022	ABF	3	1.5	33m	Fixed Power	1	Cable core	
23	Spore	-	-	-	-	-	-	-	
24	Spore	-	-	-	-	-	-	-	

New 24V AC PSU (Power Supply Unit) PSU-CCTV2 for CCTV Camera Demolish on Platform 2									
The PSU is provided by LOROL direct works contractor. Cabling is provided by the Ambience Contractor									
Station:		Camden Road		Type:	1U BA 19" Rack mounted 16 output 24V ac 16 Output Power Supply (Altronix Corp type 'Vertiline 16')				
PSU reference:		PSU-CCTV 2		PSU location:	Platform 2 - Within CCTV Switch Cabinet				
Incoming cable:		16mm ² Cable Type 1		Fed from:	DB-CER / 3.1				
Incoming protection:		25A							
Ways	Description	Fuse type	Fuse rating (Amps)	CSA (mm ²)	Cable Length	Circuit type	Cable type	CPC Type/ Size (mm ²)	
1	CCTV Cameras CAM026	ABF	3	1.5	60m	Fixed Power	1	Cable Core	
2	CCTV Cameras CAM027	ABF	3	1.5	70m	Fixed Power	1	Cable Core	
3	CCTV Cameras CAM028	ABF	3	1.5	35m	Fixed Power	1	Cable Core	
4	CCTV Cameras CAM029	ABF	3	1.5	15m	Fixed Power	1	Cable Core	
5	CCTV Cameras CAM030	ABF	3	1.5	15m	Fixed Power	1	Cable Core	
6	CCTV Cameras CAM031	ABF	3	1.5	55m	Fixed Power	1	Cable Core	
7	Spore	-	-	-	-	-	-	-	
8	Spore	-	-	-	-	-	-	-	
9	Spore	-	-	-	-	-	-	-	
10	Spore	-	-	-	-	-	-	-	
11	Spore	-	-	-	-	-	-	-	
12	Spore	-	-	-	-	-	-	-	
13	Spore	-	-	-	-	-	-	-	
14	Spore	-	-	-	-	-	-	-	
15	Spore	-	-	-	-	-	-	-	
16	Spore	-	-	-	-	-	-	-	

New 24V AC PSU (Power Supply Unit) PSU-CCTV1 for CCTV Camera Demolish on Platform 1									
The PSU is provided by LOROL direct works contractor. Cabling is provided by the Ambience Contractor									
Station:	Camden Road		Type:	1U BA 19" Rack mounted 16 output 24V ac 16 Output Power Supply (Altronix Corp type 'Vertiline 16')					
PSU reference:	PSU-CCTV 1		PSU location:	Platform 1 - Within CCTV Switch Cabinet					
Incoming cable:	16mm ² Cable Type 1		Fed from:	DB-CER / 2.1					
Incoming protection:	25A MCB								
Ways	Description	Fuse type	Fuse rating Amps	CSA (mm ²)	Cable Length	Circuit Type	Cable Type	CPC Type/ Size (mm ²)	
1	CCTV Cameras CCA4017	ABF	3	1.5	70m	Fixed Power	1	Cable Core	
2	CCTV Cameras CCA4018	ABF	3	1.5	25m	Fixed Power	1	Cable Core	
3	CCTV Cameras CCA4019	ABF	3	1.5	45m	Fixed Power	1	Cable Core	
4	CCTV Cameras CCA4020	ABF	3	1.5	35m	Fixed Power	1	Cable Core	
5	CCTV Cameras CCA4021	ABF	3	1.5	35m	Fixed Power	1	Cable Core	
6	CCTV Cameras CCA4022	ABF	3	1.5	15m	Fixed Power	1	Cable Core	
7	CCTV Cameras CCA4023	ABF	3	1.5	15m	Fixed Power	1	Cable Core	
8	Spare	-	-	-	-	-	-	-	
9	Spare	-	-	-	-	-	-	-	
10	Spare	-	-	-	-	-	-	-	
11	Spare	-	-	-	-	-	-	-	
12	Spare	-	-	-	-	-	-	-	
13	Spare	-	-	-	-	-	-	-	
14	Spare	-	-	-	-	-	-	-	
15	Spare	-	-	-	-	-	-	-	
16	Spare	-	-	-	-	-	-	-	