

REF	ARCHITECT Dwg NO.	DATE
Robinson Brice	488/072 - Ground Floor	14/10/19

Distribution Board Schedule (Board No.) - CU-01						Job No. 6701		Sheet No: 1 of 1		
Consumer Unit						Calc. By: DTB		Date: 22/10/19		
Job Title: Cheddar Sports Pavilion				System Volts: 400V/230V						
Client: Robinson Brice										
Location: Entrance Hall				Isolator Details: 100A				Poles	Ways	Amps
Feed From: Supply meter								SPN	24	100
Circuit No.	Description	300 QTY	Power (kW)	Amps		CPD Rating (A)	Cable			
				L1			Size mm²	Type		
1	RADIAL - FRIDGES/FREEZERS		1.20	5.49		20	2.5	6242B LSZH Tw in and Earth Cable		
2	RADIAL - OVEN		7.00	32.04		40	6	6242B LSZH Tw in and Earth Cable		
3	RING - KITCHEN APPLIANCES	4	1.20	5.49		32	2.5	6242B LSZH Tw in and Earth Cable		
4	RING - KITCHEN	4	1.20	5.49		32	2.5	6242B LSZH Tw in and Earth Cable		
5	RING - FUNCTION ROOM	14	4.20	19.22		32	2.5	6242B LSZH Tw in and Earth Cable		
6	RING - BAR	6	1.80	8.24		32	2.5	6242B LSZH Tw in and Earth Cable		
7	RING - INFORMAL MEETING ROOM	8	2.40	10.98		32	2.5	6242B LSZH Tw in and Earth Cable		
8	RING - ENTRANCE HALL	3	0.90	4.12		32	2.5	6242B LSZH Tw in and Earth Cable		
9	RADIAL - FAN CONVECTORS		1.00	4.58		20	2.5	6242B LSZH Tw in and Earth Cable		
10	RADIAL - EXTRACT FANS		0.20	0.92		20	2.5	6242B LSZH Tw in and Earth Cable		
11	RADIAL - HAND DRYERS		3.60	16.48		20	2.5	6242B LSZH Tw in and Earth Cable		
12	LIGHTING - KITCHEN/BAR		0.30	1.39		10	1.5	6242B LSZH Tw in and Earth Cable		
13	LIGHTING - FUNCTION ROOM		0.69	3.16		10	1.5	6242B LSZH Tw in and Earth Cable		
14	LIGHTING - MEETING & BAR AREA		0.43	1.97		10	1.5	6242B LSZH Tw in and Earth Cable		
15	LIGHTING - WC's		0.11	0.52		10	1.5	6242B LSZH Tw in and Earth Cable		
16	LIGHTING - ENTRANCE HALL		0.30	1.36		10	1.5	6242B LSZH Tw in and Earth Cable		
17	LIGHTING - EXTERNAL		0.14	0.66		10	1.5	6242B LSZH Tw in and Earth Cable		
18	LIGHTING - EXTERNAL BOLLARDS		0.14	0.66		16	2.5	XLPE/SWA/PVC		
19	SPARE (SPN)			0.00		16				
20	SPARE (SPN)			0.00		20				
21	SPARE (SPN)			0.00		20				
22	RADIAL - EXTERNAL CONDENSER		0.00	3.00		32	4	XLPE/SWA/PVC		
23	RADIAL - INTRUDER ALARM PANEL		0.20	0.50		10	2.5	FP PLUS		
24	RADIAL - FIRE ALARM PANEL		0.20	0.92		10	2.5	FP PLUS		

LV DISTRIBUTION SCHEDULE

NOTES:

- THE ELECTRICAL INSTALLATION MUST COMPLY WITH THE REQUIREMENTS OF BS 7671:2018.
- REFER TO LUMINAIRE SCHEDULE FOR DETAILS OF LUMINAIRES. FINISHES TO BE CONFIRMED BY ARCHITECT BEFORE PLACING ORDERS.
- LUMINAIRE SETTING OUT TO BE CONFIRMED BY ARCHITECT PRIOR TO INSTALLATION.
- SWITCHES TO BE MK GRID PLUS MODULE TYPE INSTALLED AT A HEIGHT OF 1200mm AFFL.
- MODULES TO BE AS INDICATED IN LEGEND.
- PRESENCE DETECTORS SHALL BE ADJUSTABLE FOR LUX LEVELS AND DELAY TIMING. SETTINGS TO BE AGREED.
- EXTERNAL LIGHTING SHALL BE AUTOMATICALLY CONTROLLED TO EFFECTIVELY PREVENT OPERATION OF LUMINAIRES DURING DAYLIGHT HOURS WITH PRESENCE DETECTION IN AREAS OF INTERMITTENT PEDESTRIAN TRAFFIC.
- EXTERNAL LIGHTING HOURS OF OPERATION SHALL BE CONTROLLED USING AN ASTRONOMICAL TIME CLOCK.
- EMERGENCY LIGHTING TO BE SUPPLIED FROM LOCAL LIGHTING CIRCUIT.
- KEY SWITCHES TO BE INSTALLED FOR CONTROL OF EMERGENCY LIGHTING.
- ANY ALTERNATIVE LUMINAIRES OR ACCESSORIES MUST BE APPROVED BY THE ARCHITECT. LIGHTING CALCULATIONS MUST BE PROVIDED FOR ANY PROPOSED LUMINAIRES.
- ALL CIRCUIT WIRING SHALL BE CARRIED OUT IN 6242B XLPE/LSZH CABLES, INSTALLED WITHIN CEILING VOIDS AND BUILDING FABRIC, WHERE CABLES DROP TO ACCESSORIES THEY SHALL BE INSTALLED WITHIN CONCEALED CONDUIT.
- UPON COMPLETION OF TESTING AND COMMISSIONING OF THE LIGHTING SYSTEMS, THE CONTRACTOR SHALL LIASE WITH THE ARCHITECT TO PROVIDE A SYSTEM DEMONSTRATION TO THE CLIENT.
- EXTERNAL LIGHTING TO BE CONTROLLED VIA ASTRONOMICAL TIME-CLOCK WITH PHOTOCELL CONTROL.

LIGHTING LEGEND

- RECESS MOUNTED LED DOWNLIGHT LUMINAIRE 15W IP65 DOWNLIGHT 9W
- 600x600 RECESS MOUNTED LED MODULAR LUMINAIRE 38W
- 600x600 RECESS MOUNTED LED MODULAR LUMINAIRE 28W
- SURFACE-MOUNTED LED LUMINAIRE 17W CORROSION RESISTANT
- WALL-MOUNTED BI-DIRECTIONAL LED LUMINAIRE, EXTERNAL 18W
- WALL-MOUNTED BI-DIRECTIONAL LED LUMINAIRE, INTERNAL (WHITE) 24W
- 360° PASSIVE INFRARED MOVEMENT SENSOR. 'AD' DENOTES ABSENCE DETECTION 'PD' DENOTES PRESENCE DETECTION
- LIGHT SWITCH. NO SUFFIX DENOTES 1 GANG 1 WAY '2' DENOTES 1 GANG 2 WAY '1' DENOTES INTERMEDIATE 'D' DENOTES DIMMABLE 'K' DENOTES KEY SWITCH
- EMERGENCY EXIT SIGN
- CIRCUIT REFERENCE
- LIGHTING CIRCUIT
- POWER
- SWITCHING CIRCUIT

FIRE ALARM LEGEND

- OPTICAL SMOKE DETECTOR
- OPTICAL SMOKE DETECTOR WITH INTEGRAL SOUNDER
- OPTICAL SMOKE DETECTOR WITH SOUNDER & BEACON
- HEAT DETECTOR WITH INTEGRAL SOUNDER & BEACON
- MANUAL CALL POINT
- FIRE ALARM PANEL - 2 LOOP ANALOGUE ADDRESSABLE

THE CONTRACTOR SHALL APPLY ALL NOTES FOR COMMON COMPONENTS

ALL WORK TO COMPLY WITH APPROPRIATE BUILDING CONTROL REGULATIONS & ALIRED LEGISLATION. THE LOCAL AUTHORITIES BYLAWS, CONDITIONS OF CONSENTS & SPECIFICATIONS ETC. & REQUIREMENTS OF THE STATUTORY BODIES. THE CONTRACTOR TO SERVE ALL NOTICES TO ALL AUTHORITIES & STATUTORY BODIES CONCERNED.

ALL WORKS ARE TO COMPLY WITH APPROPRIATE LEGISLATION, REGULATIONS, BYLAWS, LOCAL AUTHORITY BUILDING CONTROL, STATUTORY BODIES AND MANUFACTURERS REQUIREMENTS.

ALL WORKING MUST BE TAKEN FROM CHECKED AND/OR VISITED BY MAIN CONTRACTOR ON SITE PRIOR TO THE MANUFACTURE OF ALL FIXES & THE PLACING OF WORK IN HAND.

ALL INSTALLATION, MANUFACTURING AND EQUIPMENT PURCHASING WORKS MUST NOT BE UNDERTAKEN UNTIL THE DIMENSIONS AND SUITABILITY OF INSTALLATION AND/OR USAGE ON SITE HAS BEEN FORMED.

THE CONTRACTOR MUST REFER TO AND READ IN CONJUNCTION WITH THE ARCHITECTS, CONSULTANTS AND/OR SPECIALIST DRAWINGS.

FOR DETAILS OF ALL NEW WORKING TO REGULATION F OF THE CDM REGULATIONS SEE REFER TO THE HAS NEW REGISTRY.

WHERE THERE ARE APPARENT ERRORS AND DIFFERENCES BETWEEN REPORTS, DRAWINGS, SPECIFICATIONS AND SCHEDULES THIS MUST BE BROUGHT TO THE ATTENTION OF FERGUSON BROWN.

Issue: 22/10/2019 10:01:01

PO1	TENDER ISSUE	22/10/19	MS	28
PO2	REVISED TO CLIENT COMMENTS	14/10/19	MS	28
Rev	Description	Date	Dwn	CN

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Client: ROBINSON BRICE
COACH HOUSE SHOP
UNION STREET
CHEDDAR
SOMERSET
BS27 3NA

Project: CHEDDAR PARISH PAVILION
SHARPHAM ROAD
CHEDDAR
SOMERSET
BS27 3DR

Title: ELECTRICAL SERVICES
LIGHTING & FIRE ALARM LAYOUT
GROUND FLOOR

Scale: 1:50@A0	Date: SEPT 2019	Dwn By: MS	Chk By: DB	Revision
Project No. 488	Originator -F86701-ZZ	Zone Level Type Role Number	Status	P03