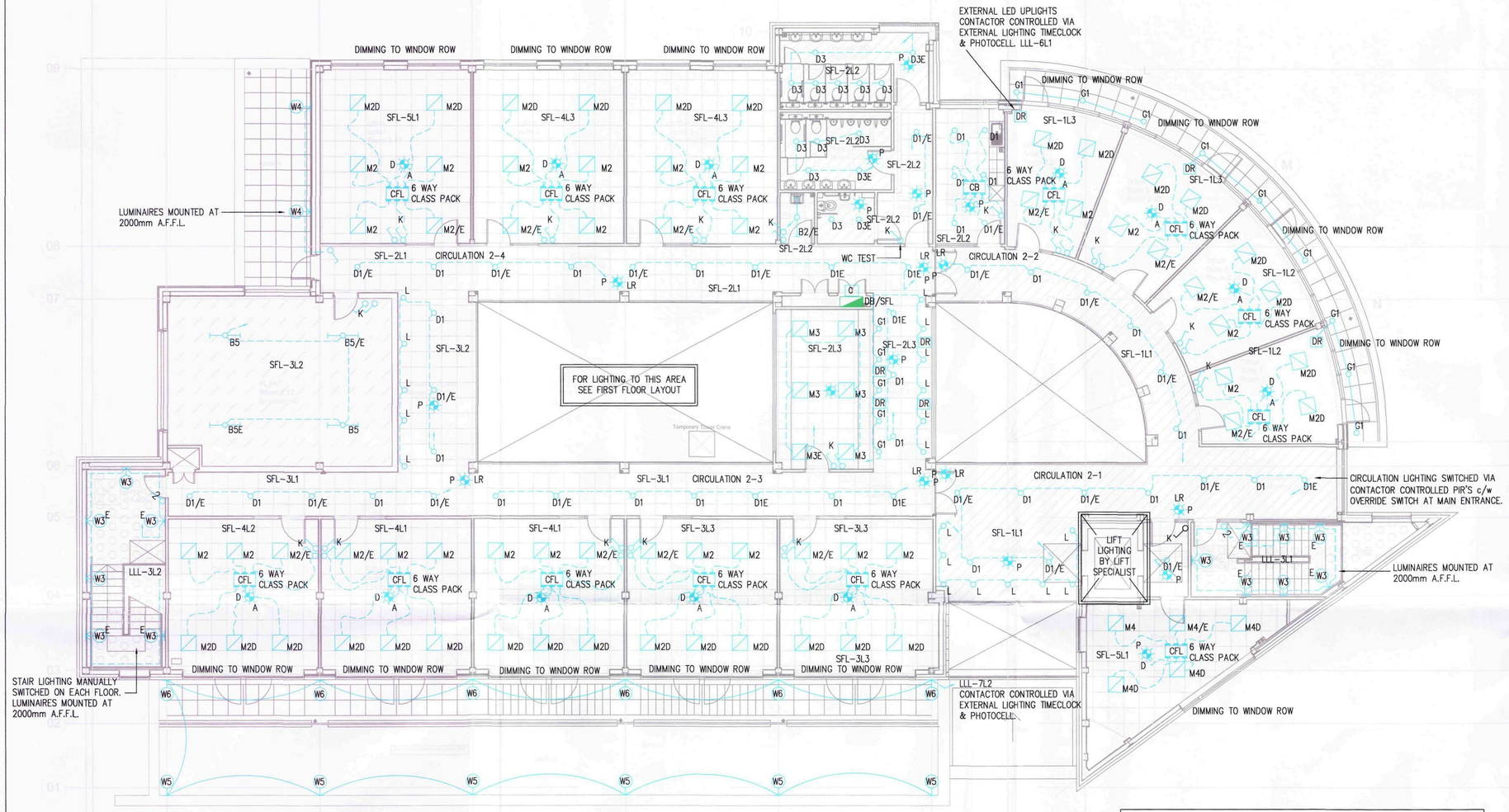
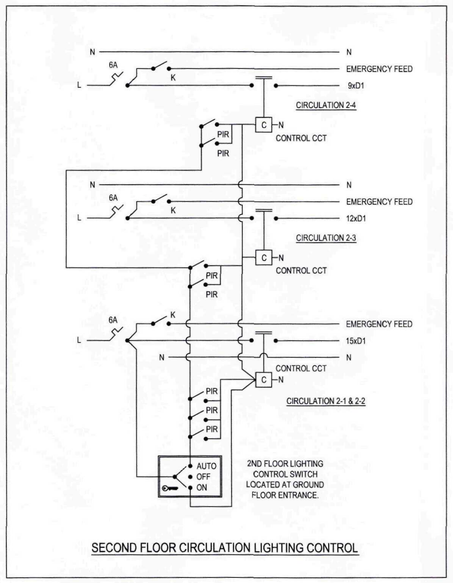




SECOND FLOOR CIRCULATION LIGHTING CONTROL

LEGEND OF SYMBOLS	
SYMBOL	DESCRIPTION
B1 B1/E	1x49W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH149P 3HR EMERGENCY VERSION ACFH149PEM
B2 B2/E	1x35W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH135P 3HR EMERGENCY VERSION ACFH135PEM
B3 B3/E	1x35W SUSPENDED DIRECT/INDIRECT DIMMABLE LUMINAIRE, SILVER ALUMINIUM BODY WITH SEMI-SPECULAR LOUVRE 90% DOWN 10 % UP. VECW5D13590S. 4000K LAMP 3HR EMERGENCY VERSION VECW5D13590SEMIN 600MM INFILL VECINF600S 900MM INFILL VECINF900S 3 WAY CORNER UNIT VEC3S 2 WAY CORNER UNIT VEC2S
B4 B4/E	1x54W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH154P 3HR EMERGENCY VERSION ACFH154PEM
B5 B5/E	2x54W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH254P 3HR EMERGENCY VERSION ACFH254PEM
D1 D1/E	2x26W TC-D CEILING RECESSED DOWNLIGHT 165MM C/W 4000K LAMPS. WHITECROFT ESPRIT ESPH226 3HR EMERGENCY VERSION ESPH226EM
D2 D2/E	2x18W IP44 TC-D CEILING RECESSED DOWNLIGHT 165MM C/W 4000K LAMPS. WHITECROFT ESPRIT ESPH186 3HR EMERGENCY VERSION ESPH218EM
D4 D4/E	1x54W T5 CEILING CEILING MOUNTED FLUORESCENT LUMINAIRE WITH POLY CARB DIFFUSER. 4000K LAMPS. WHITECROFT REDIAL CORNICE RADH154S 3HR EMERGENCY VERSION RADH154SEM
G1	RECESSED FLOOR MTD 3W WHITE LED LIGHT WHITECROFT CONCERT GL050
G2	RECESSED FLOOR MTD 3W BLUE LED LIGHT WHITECROFT CONCERT GL050
G3	RECESSED CEILING MTD 3W WHITE LED LIGHT WHITECROFT CONCERT GL050
M M/E	4x14W MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT SOFTCELL 3 SOF3W5H414 CEILING MOUNT SOF3600XT EMERGENCY VERSION SOF3W5H414EMIN
M1 M1/E	4x24W MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT SOFTCELL 3 SOF3W5H424 CEILING MOUNT SOF3600XT EMERGENCY VERSION SOF3W5H424EMIN
M2 M2/E M2/D	2x40W MODULAR FLUORESCENT LUMINAIRE 600x600 WITH ASYMETRIC OPTICS, 4000K LAMPS WHITECROFT CASCADE TSI-CTSH240 EMERGENCY VERSION CTSH240EMIN DIMMABLE VERSION CTSD240 EMERGENCY DIMMABLE VERSION CTSD240EMIN
M3 M3/E M3/D	2x24W MODULAR FLUORESCENT LUMINAIRE 600x600 4000K LAMPS WHITECROFT CASCADE CSDWH224 EMERGENCY VERSION CSDWH224EMIN DIMMABLE VERSION CSDWD224 EMERGENCY DIMMABLE VERSION CSDWD224EMIN
M4 M4/E M4/D	1x40W MODULAR FLUORESCENT LUMINAIRE 600x600 4000K LAMPS WHITECROFT CASCADE CSDWH140 EMERGENCY VERSION CSDWH140EMIN DIMMABLE VERSION CSDWD140 EMERGENCY DIMMABLE VERSION CSDWD140EMIN
M5 M5/E	4x24W IP54 T5 MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT HYGIENE 3 HYGP424 PLASTERBOARD MOUNT LUMAFIXBKTKIT EMERGENCY VERSION HYGP424EMIN
PD PD/E	1x57W TC-T LOW BAY PENDANT, GREY GEAR BOX WITH ACRYLIC REFRACTOR, 4000K LAMP, WHITECROFT ATLANTA JUNIOR ATJ32-F57-1 (DIMMABLE) 3HR EMERGENCY VERSION SUSPENSION KIT ATJSUSKIT ATLANTA JUNIOR ATJ32-F57-1EMIN (DIMMABLE)
L	CEILING RECESSED 3x1W LED COLOUR CHANGE DOWNLIGHT WHITECROFT LDRLEDWS31C CONTROLLER – WHITECROFT CONCERT CNRGBOX
L2	FLOOR RECESSED LED COLOUR CHANGE UPLIGHT – WHITECROFT GL050
W2	2x36W WALL MOUNTED LUMINAIRE WITH PERFORATED COVER, 4000K LAMPS, WHITECROFT VESPERE VWMH236
W3 W3/E	1x38W 2D SURFACE MOUNTED CIRCULAR LUMINAIRE WITH OPAL GLASS DIFFUSER 3500K LAMP, WHITECROFT LAGUNA LNH138 EMERGENCY VERSION LNH138EM
W4 W4	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WITH PRISMATIC POLYCARBONATE DIFFUSER 3500K LAMP, WHITECROFT DUSK DKSPH28W EMERGENCY VERSION DKSPH28WEMIN
W5	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WHITECROFT CENTURIAN SMOOTH – SILVER
W6	SURFACE MOUNTED IP65 RATED 1x38W 2D BULKHEAD WHITECROFT CENTURIAN SMOOTH – SILVER
S	35W CDM-T DIRECTIONAL SPOTLIGHT, SILVER BODY C/W TRACK ADAPTOR, WHITECROFT STRA-C35E-M3-11
T2 T3	2mtr CEILING MOUNTED 3 CIRCUIT TRACK, WHITECROFT GLOBAL PRO, SHXT4200W 3mtr CEILING MOUNTED 3 CIRCUIT TRACK, WHITECROFT GLOBAL PRO, SHXT4300W
V	WALL MOUNTED 150W UPLIGHTER – WHITECROFT MINI FLOOD, WHITE.
E3 E1 E2	2 x 20W TWINSPOT 3 HR NON-MAINTAINED EMERGENCY WHITECROFT SENCT20NM 3hr EMERGENCY – WHITECROFT SLICE WITH LEGEND 3hr EMERGENCY – WHITECROFT SENTRY
P A D	PIR PRESENCE DETECTOR. PIR ABSENCE DETECTOR. PIR PRESENCE/ABSENCE DETECTOR WITH DAYLIGHT DIMMING. LR – LONG RANGE CM – CEILING MOUNT.
*G *W	LIGHT SWITCH *K DENOTES KEY TEST SWITCH, *G DENOTES No OF GANGS, *W DENOTES No OF WAYS)
D	DIMMER SWITCH
CFL	MODULAR CLASS PACK
CB	MULTI OUTLET CONNECTION BOX
C	CIRCULATION – LIGHTING CONTACTOR ENCLOSURE
DR	LED DRIVER

Ceiling Legend:

- 600x600mm Armstrong Tegular Dune Supreme mineral fibre ceiling tiles laid in grid as NBS Spec K40.112
- 15mm Plasterboard ceiling suspended on MF system as NBS Spec K10.225
- 15mm Moisture resistant plasterboard ceiling suspended on MF system as NBS Spec K10.226
- Trovex Diamond Hygenic PVCu ceiling system as K40.111
- Soffit painted with Arcylic Eggshell Emulsion
- Perforated plasterboard as K10.245

NOTES:

1. CONDUIT WITHIN WALLS TO SWITCHES TO BE EARTHED METAL.
2. CABLING TO BE LSF/LSF THROUGHOUT EXCEPT PLANT AREAS WHERE SINGLE CORE IN CONDUIT WALL IS TO BE USED.
3. WITHIN PLASTERBOARD CEILING AREAS, CONNECTION BOXES ARE TO BE LOCATED ABOVE THE NEAREST LUMINAIRE.

SHDC
Planning & Development
2 0 SEP 2010
Ref: 0777-10

Rev	Date	Revision Note	By	Checked
C01	25.04.10	MINOR CIRCUIT REFERENCES CHANGES	SK	KR
P02	23.04.10	UPDATED TO SUIT LATEST ARCHITECTS LAYOUT. G1 LED UPLIGHTS ADDED IN WAITING AREA. G1, G5 & G6 EXTERNAL LIGHTS ADDED STAIR LIGHTS NOW MANUALLY SWITCHED WC LIGHTING CHANGED TO DOWNLIGHTS	SK	KR
P01	05.03.10	ISSUED FOR COMMENT	SK	KR

Issue Status:
CONSTRUCTION

Jtomlinson
Mechanical & Electrical Projects
Scimitar House - 100 Lilac Grove - Beeston - Nottingham - NG9 1PF
Tel:0115 957 4300 Fax:0115 943 1079 E-mail:enquires@jtomlinson.co.uk

Client:
WILLMOTT DIXON CONSTRUCTION

Project:
RED LION FOODS
RED LION STREET
SPALDING

Title:
ELECTRICAL SERVICES
SECOND FLOOR
LIGHTING LAYOUT

Scale: 1:100@A1	Drawn by: SK
Date: MAR 2010	Checked by: KR

Drg No: **P00724/DWG/63/2/001**
Rev: **C01**



B1



B2



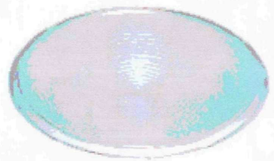
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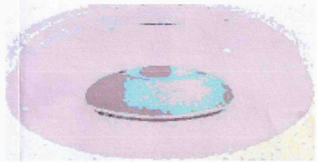
B4 B5



D1



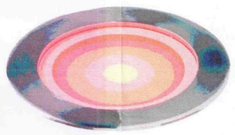
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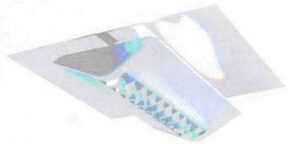
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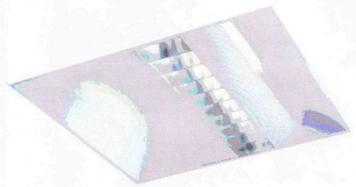
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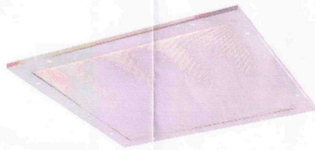
G1 G2 G3



M



M2 M3 M4



M5



PD



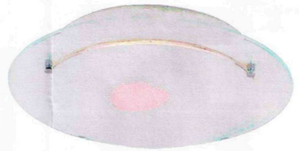
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L2



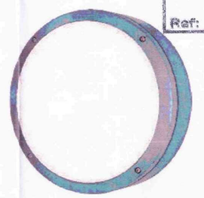
W2



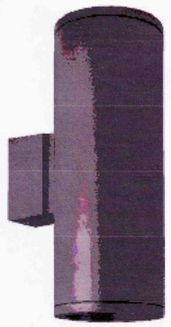
W3 W3



W4 W4



W5 W6



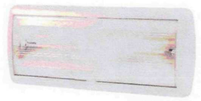
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WHITE VERSION



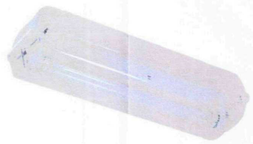
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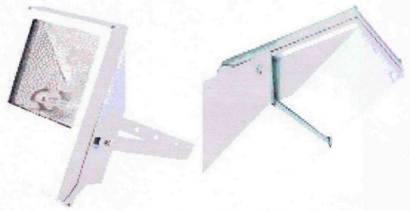
E3



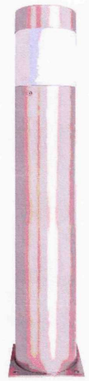
E1



E2



V



X1

SHDC
Planning & Development
20 SEP 2010
Ref: 07/7-10

C01	17.05.10	UPDATED TO LATEST LIGHTING LAYOUTS	SK	KR
P01	05.03.10	ISSUED FOR COMMENT	SK	KR
Rev	Date	Revision Note	By	Checked

National Inspection Council for Electrical Installation Contracting
NICEIC APPROVED CONTRACTOR
REGISTERED MEMBER ECA
Gas Safe REGISTER
HVCA

Issue Status:
CONSTRUCTION

Jtomlinson
Mechanical & Electrical Projects
Scimitar House - 100 Lilac Grove - Beeston - Nottingham - NG9 1PF
Tel:0115 957 4300 Fax:0115 943 1079 E-mail:enquires@tomlinson.co.uk

Client:
WILLMOTT DIXON
CONSTRUCTION

Project:
RED LION FOODS
RED LION STREET
SPALDING

Title:
ELECTRICAL SERVICES
PROPOSED LIGHT FITTINGS

Scale: N.T.S@A1	Drawn by: SK
Date: JAN 2010	Checked by: KR

Drg No: **P00724/DWG/60/X/001**
Rev: **C01**

EXTERNAL LIGHTS SWITCHED VIA PHOTO ELECTRIC CELL WITH OVER-RIDE CONTACTOR

KITCHEN & RESTAURANT MASTER SWITCH

SECURITY LIGHTING CONTROLLED VIA PHOTOCELL ONLY

INCOMER AND MAIN LV PANEL

COLD STORES - ASSUME LIGHTING BY COLD ROOM SPECIALIST

COLD STORE LIGHTING BY OTHERS

CANOPY LIGHTING ASSUME LIGHTING IS INTEGRAL TO CANOPY

NOTE. CEILING AND WALL LIGHTING POINTS TO BE ADDED FOR FUTURE MOOD LIGHTING, DETAILS TO BE SUPPLIED BY CLIENT.

LIGHTING BY FIT-OUT SPECIALIST

G1 UPLIGHTS MOUNTED AT THE BASE OF EACH COLUMN

LED PROJECTOR AT HIGHEST LEVEL

SWITCH FROM G/F CIRCULATION VIA DAYLIGHT SENSOR

SWITCHED AT MAIN CIRCULATION SWITCHES LLL-5L2.

LOCALLY SWITCHED TRACK & SPOTS.

CONDUIT BOX AT LOW LEVEL FOR POSSIBLE LIGHTING TO RECESS (FUTURE) LINKED TO STAIR CIRCUIT.

EXTERNAL LIGHTING TIMER & CONTROLLER.

3 GANG CIRCULATION: ON / OFF / AUTO KEY SWITCH.

WINDOW ROW SWITCHED VIA DAYLIGHT SENSOR WITH OVERRIDE OFF SWITCH AT THE REAR STORE MASTER SWITCH

LINK 33% LIGHTING CIRCUIT LINKED TO DISPLAY SHELVING. SEE POWER LAYOUT FOR DETAILS.

Ceiling Legend:

- 600x600mm Armstrong Tegular Dune Supreme mineral fibre ceiling tiles laid in grid as NBS Spec K40.112
- 15mm Plasterboard ceiling suspended on MF system as NBS Spec K10.225
- 15mm Moisture resistant plasterboard ceiling suspended on MF system as NBS Spec K10.226
- Trovex Diamond Hygenic PVCu ceiling system as K40.111
- Soffit painted with Arcylic Eggshell Emulsion
- Perforated plasterboard as K10.245
- Class D board (Eg. Masterboard)

NOTES:

1. CONDUIT WITHIN WALLS TO SWITCHES TO BE EARTHED METAL.
2. CABLING TO BE LSF/LSF THROUGHOUT EXCEPT PLANT AREAS WHERE SINGLE CORE IN CONDUIT WALL IS TO BE USED.
3. WITHIN PLASTERBOARD CEILING AREAS, CONNECTION BOXES ARE TO BE LOCATED ABOVE THE NEAREST LUMINAIRE.

Rev	Date	Revision Note	By	Checked
C02	11.06.10	DELI COUNTER TRACK MOVED.	SK	KR
C01	24.05.10	MINOR CIRCUIT REFERENCE CHANGES	SK	KR
P02	30.04.10	UPDATED TO SUIT LATEST ARCHITECTS LAYOUT. FOOD HALL, STORE, FOYER, ENTRANCE & EXTERNAL LIGHTING ADDED. STAIR LIGHTS NOW MANUALLY SWITCHED. RESTAURANT WC LIGHTS CHANGED TO DOWNLIGHTERS. MANUAL SWITCHES ADDED FROM BACK ENTRANCE TO MAIN ENTRANCE. RESTAURANT LIGHTING REVISED FOLLOWING CLIENT MEETING 28TH APRIL. SPOT LIGHTS REMOVED & FUTURE LIGHTING POINTS NOTED, WALL LIGHTING POINTS NOTED.	SK	KR
P01	05.03.10	ISSUED FOR COMMENT	SK	KR

Issue Status:

CONSTRUCTION

SHDC Planning & Development 20 SEP 2010 Ref: 0777-10

Jtomlinson Mechanical & Electrical Projects
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Tel:0115 957 4300 Fax:0115 943 1079 E-mail:enquires@jtomlinson.co.uk

Client: WILLMOTT DIXON CONSTRUCTION

Project:
RED LION FOODS
RED LION STREET
SPALDING

Title:
ELECTRICAL SERVICES
GROUND FLOOR
LIGHTING LAYOUT

Scale: 1:100@A1	Drawn by: SK
Date: MAR 2010	Checked by: KR

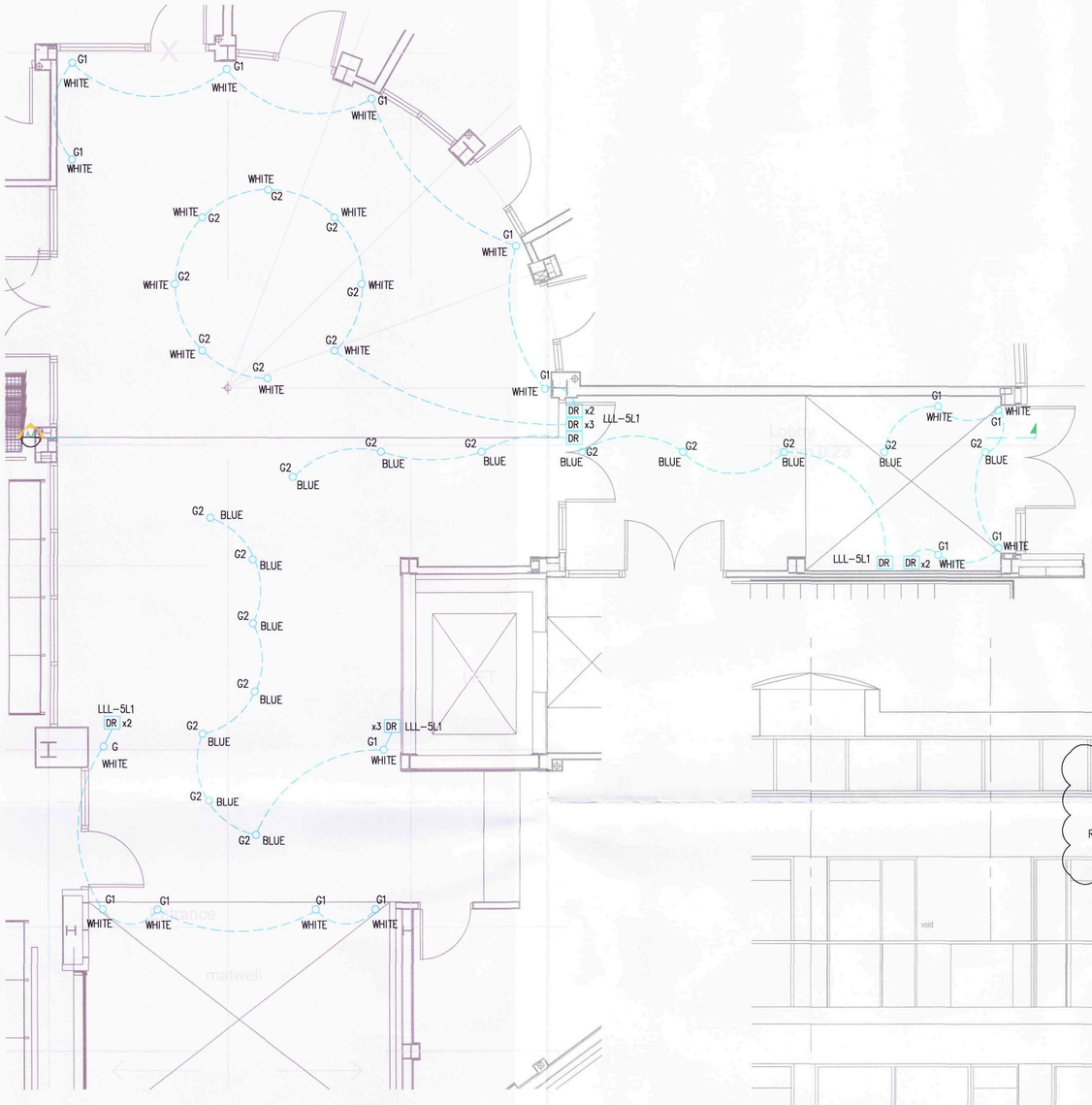
Drg No: **P00724/DWG/63/0/001** Rev: **C02**

GROUND FLOOR CIRCULATION LIGHTING CONTROL

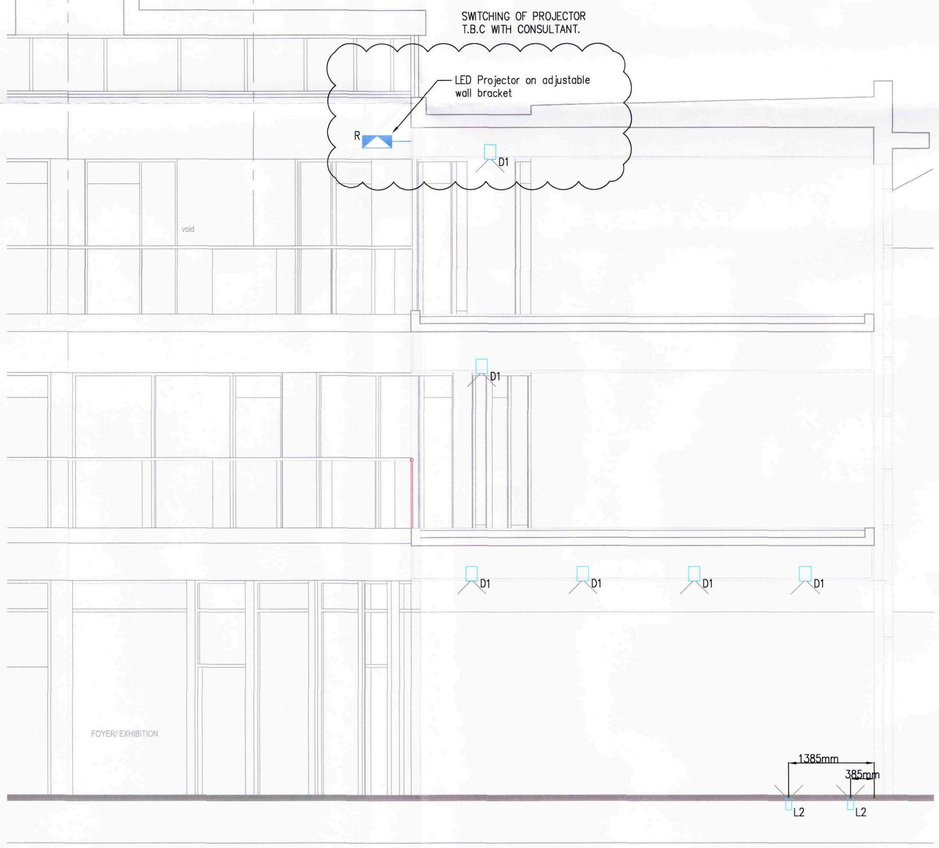
GROUND FLOOR LIGHTING CONTROL SWITCH LOCATED AT GROUND FLOOR ENTRANCE.

LEGEND OF SYMBOLS

SYMBOL	DESCRIPTION
B1	1x49W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH149P
B1/E	3HR EMERGENCY VERSION ACFH149PEM
B2	1x35W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH135P
B2/E	3HR EMERGENCY VERSION ACFH135PEM
B3	1x35W SUSPENDED DIRECT/INDIRECT DIMMABLE LUMINAIRE, SILVER ALUMINIUM BODY WITH SEMI-SPECULAR LOUVRE 90% DOWN 10 % UP. VECWSD13590S, 4000K LAMP
B3/E	3HR EMERGENCY VERSION VECWSD13590SEMIN 600MM INFILL VECINF600S 2 WAY CORNER UNIT VEC2S 900MM INFILL VECINF900S 3 WAY CORNER UNIT VEC3S
B4	1x54W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH154P
B4/E	3HR EMERGENCY VERSION ACFH154PEM
B5	2x54W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH254P
B5/E	3HR EMERGENCY VERSION ACFH254PEM
D1	2x26W TC-D CEILING RECESSED DOWNLIGHT 165MM C/W 4000K LAMPS. WHITECROFT ESPRIT ESPH226
D1/E	3HR EMERGENCY VERSION ESPH226EM
D2	2x18W IP44 TC-D CEILING RECESSED DOWNLIGHT 165MM C/W 4000K LAMPS. WHITECROFT ESPRIT ESPH186
D2/E	3HR EMERGENCY VERSION ESPH218EM
D4	1x54W T5 CEILING CEILING MOUNTED FLUORESCENT LUMINAIRE WITH POLY CARB DIFFUSER. 4000K LAMPS. WHITECROFT REDIAL CORNICE RADH154S
D4/E	3HR EMERGENCY VERSION RADH154SEM
D5/E	3HR EMERGENCY WHITECROFT LIFE L 24W T5
G1	RECESSED FLOOR MTD 3W WHITE LED LIGHT WHITECROFT CONCERT GL050
G2	RECESSED FLOOR MTD 3W BLUE LED LIGHT WHITECROFT CONCERT GL050
G3	RECESSED CEILING MTD 3W WHITE LED LIGHT WHITECROFT CONCERT GL050
M	4x14W MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT SOFTCELL 3 SOF3W5H414
M/E	CEILING MOUNT SOF3600XT EMERGENCY VERSION SOF3W5H414EMIN
M1	4x24W MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT SOFTCELL 3 SOF3W5H424
M1/E	CEILING MOUNT SOF3600XT EMERGENCY VERSION SOF3W5H424EMIN
M2	2x40W MODULAR FLUORESCENT LUMINAIRE 600x600 WITH ASYMETRIC OPTICS, 4000K LAMPS WHITECROFT CASCADE TSI-CTSH240
M2/E	EMERGENCY VERSION CTSH240EMIN
M2/D	DIMMABLE VERSION CTSD240 EMERGENCY DIMMABLE VERSION CTSD240EMIN
M3	2x24W MODULAR FLUORESCENT LUMINAIRE 600x600 4000K LAMPS WHITECROFT CASCADE CSDWH224
M3/E	EMERGENCY VERSION CSDWH224EMIN
M3/D	DIMMABLE VERSION CSDWD224 EMERGENCY DIMMABLE VERSION CSDWD224EMIN
M4	1x40W MODULAR FLUORESCENT LUMINAIRE 600x600 4000K LAMPS WHITECROFT CASCADE CSDWH140
M4/E	EMERGENCY VERSION CSDWH140EMIN
M4/D	DIMMABLE VERSION CSDWD140 EMERGENCY DIMMABLE VERSION CSDWD140EMIN
M5	4x24W IP54 T5 MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT HYGIENE 3 HYGP424
M5/E	PLASTERBOARD MOUNT LUMAFIXBKTKIT EMERGENCY VERSION HYGP424EMIN
PD	1x57W TC-T LOW BAY PENDANT, GREY GEAR BOX WITH ACRYLIC REFRACTOR, 4000K LAMP., WHITECROFT ATLANTA JUNIOR ATJ32-F57-1 (DIMMABLE)
PD/E	3HR EMERGENCY VERSION SUSPENSION KIT ATJSUSKIT ATLANTA JUNIOR ATJ32-F57-1EMIN (DIMMABLE)
P1 P1E	AS PD ABOVE BUT STANDARD LUMINAIRE (NON DIM)
L	CEILING RECESSED 3x1W LED COLOUR CHANGE DOWNLIGHT WHITECROFT LDRLEDWS31C CONTROLLER – WHITECROFT
L2	FLOOR RECESSED LED COLOUR CHANGE UPLIGHT – WHITECROFT GL050
W2	2x36W WALL MOUNTED LUMINAIRE WITH PERFORATED COVER, 4000K LAMPS, WHITECROFT VESPERE VWMH236
W3	1x38W 2D SURFACE MOUNTED CIRCULAR LUMINAIRE WITH OPAL GLASS DIFFUSER
W3/E	3500K LAMP, WHITECROFT LAGUNA LNH138 EMERGENCY VERSION LNH138EM
W4	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WITH PRISMATIC POLYCARBONATE DIFFUSER
W4C	3500K LAMP, WHITECROFT DUSK DKSPH28W EMERGENCY VERSION DKSPH28WEMIN
W5	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WHITECROFT CENTURIAN SMOOTH – SILVER
W6	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WHITECROFT CENTURIAN SMOOTH – SILVER
W7	WALL MOUNTED IP65 RATED 2x26W UP/DOWNLIGHTER WHITECROFT SPECTRE – WHITE
S	35W CDM-T DIRECTIONAL SPOTLIGHT, SILVER BODY C/W TRACK ADAPTOR, WHITECROFT STRA-C35E–M3–11
T2	2mtr CEILING MOUNTED 3 CIRCUIT TRACK, WHITECROFT GLOBAL PRO, SHXT4200W
T3	3mtr CEILING MOUNTED 3 CIRCUIT TRACK, WHITECROFT GLOBAL PRO, SHXT4300W
V	WALL MOUNTED 150W UPLIGHTER – WHITECROFT MINI FLOOD, WHITE.
X1	STAINLESS STEEL IP55 AMENITY BOLLARD 42W TC-T WHITECROFT BROADWALK
E3	2 x 20W TWINSPOT 3 HR NON-MAINTAINED EMERGENCY WHITECROFT SENCT20NW
E1	3hr EMERGENCY – WHITECROFT SLICE WITH LEGEND
E2	3hr EMERGENCY – WHITECROFT SENTRY
P	PIR PRESENCE DETECTOR.
A	PIR ABSENCE DETECTOR.
D	PIR PRESENCE/ABSENCE DETECTOR WITH DAYLIGHT DIMMING. LR – LONG RANGE CM – CEILING MOUNT.
DL	DAYLIGHT SENSOR
*K *W	LIGHT SWITCH *K DENOTES KEY TEST SWITCH, *G DENOTES No OF GANGS, *W DENOTES No OF WAYS)
D	DIMMER SWITCH
CFL	MODULAR CLASS PACK
CB	MULTI OUTLET CONNECTION BOX
C	CIRCULATION – LIGHTING CONTACTOR ENCLOSURE
DR	LED DRIVER



GROUND FLOOR ENTRANCE AREA



GROUND FLOOR ENTRANCE AREA
SECTION A.A

LEGEND OF SYMBOLS	
SYMBOL	DESCRIPTION
B1 B1/E	1x49W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH149P 3HR EMERGENCY VERSION ACFH149PEM
B2 B2/E	1x35W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH135P 3HR EMERGENCY VERSION ACFH135PEM
B3 B3/E	1x35W SUSPENDED DIRECT/INDIRECT DIMMABLE LUMINAIRE, SILVER ALUMINIUM BODY WITH SEMI-SPECULAR LOUVRE 90% DOWN 10 % UP. VECW5D13590S. 4000K LAMP 3HR EMERGENCY VERSION VECW5D13590SEMIN 600MM INFILL VECINF600S 900MM INFILL VECINF900S 3 WAY CORNER UNIT VEC3S 2 WAY CORNER UNIT VEC2S
B4 B4/E	1x54W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH154P 3HR EMERGENCY VERSION ACFH154PEM
B5 B5/E	2x54W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH254P 3HR EMERGENCY VERSION ACFH254PEM
D1 D1/E	2x26W TC-D CEILING RECESSED DOWNLIGHT 165MM C/W 4000K LAMPS. WHITECROFT ESPRIT ESPH226 3HR EMERGENCY VERSION ESPH226EM
D2 D2/E	2x18W IP44 TC-D CEILING RECESSED DOWNLIGHT 165MM C/W 4000K LAMPS. WHITECROFT ESPRIT ESPH186 3HR EMERGENCY VERSION ESPH218EM
D4 D4/E	1x54W T5 CEILING CEILING MOUNTED FLUORESCENT LUMINAIRE WITH POLY CARB DIFFUSER, 4000K LAMPS. WHITECROFT REDIAL CORNICE RADH154S 3HR EMERGENCY VERSION RADH154SEM
G1	RECESSED FLOOR MTD 3W WHITE LED LIGHT WHITECROFT CONCERT GL050
G2	RECESSED FLOOR MTD 3W BLUE LED LIGHT WHITECROFT CONCERT GL050
G3	RECESSED CEILING MTD 3W WHITE LED LIGHT WHITECROFT CONCERT GL050
M M/E	4x14W MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT SOFTCELL 3 SOF3W5H414 CEILING MOUNT SOF3600XT EMERGENCY VERSION SOF3W5H414EMIN
M1 M1/E	4x24W MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT SOFTCELL 3 SOF3W5H424 CEILING MOUNT SOF3600XT EMERGENCY VERSION SOF3W5H424EMIN
M2 M2/E M2/D	2x40W MODULAR FLUORESCENT LUMINAIRE 600x600 WITH ASYMETRIC OPTICS, 4000K LAMPS WHITECROFT CASCADE TSI-CTSH240 EMERGENCY VERSION CTSH240EMIN DIMMABLE VERSION CTSD240 EMERGENCY DIMMABLE VERSION CTSD240EMIN
M3 M3/E M3/D	2x24W MODULAR FLUORESCENT LUMINAIRE 600x600 4000K LAMPS WHITECROFT CASCADE CSDWH224 EMERGENCY VERSION CSDWH224EMIN DIMMABLE VERSION CSDWD224 EMERGENCY DIMMABLE VERSION CSDWD224EMIN
M4 M4/E M4/D	1x40W MODULAR FLUORESCENT LUMINAIRE 600x600 4000K LAMPS WHITECROFT CASCADE CSDWH140 EMERGENCY VERSION CSDWH140EMIN DIMMABLE VERSION CSDWD140 EMERGENCY DIMMABLE VERSION CSDWD140EMIN
M5 M5/E	4x24W IP54 T5 MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT HYGIENE 3 HYGP424 PLASTERBOARD MOUNT LUMAFIXBKTKIT EMERGENCY VERSION HYGP424EMIN
PD PD/E	1x57W TC-T LOW BAY PENDANT, GREY GEAR BOX WITH ACRYLIC REFRACTOR, 4000K LAMP, WHITECROFT ATLANTA JUNIOR ATJ32-F57-1 (DIMMABLE) 3HR EMERGENCY VERSION SUSPENSION KIT ATJSUSKIT ATLANTA JUNIOR ATJ32-F57-1EMIN (DIMMABLE)
L	CEILING RECESSED 3x1W LED COLOUR CHANGE DOWNLIGHT WHITECROFT LDRLEDWS31C CONTROLLER – WHITECROFT
L2	FLOOR RECESSED COLOUR CHANGE LED UPLIGHT – WHITECROFT GL050
W2	2x36W WALL MOUNTED LUMINAIRE WITH PERFORATED COVER, 4000K LAMPS, WHITECROFT VESPERE VWMH236
W3 W3/E	1x38W 2D SURFACE MOUNTED CIRCULAR LUMINAIRE WITH OPAL GLASS DIFFUSER 3500K LAMP, WHITECROFT LAGUNA LNH138 EMERGENCY VERSION LNH138EM
W4 W4	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WITH PRISMATIC POLYCARBONATE DIFFUSER 3500K LAMP, WHITECROFT DUSK DKSPH28W EMERGENCY VERSION DKSPH28WEMIN
W5	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WHITECROFT CENTURIAN SMOOTH – SILVER
W6	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WHITECROFT CENTURIAN SMOOTH – SILVER
S	35W CDM-T DIRECTIONAL SPOTLIGHT, SILVER BODY C/W TRACK ADAPTOR, WHITECROFT STRA-C35E-M3-11
T2 T3	2mtr CEILING MOUNTED 3 CIRCUIT TRACK, WHITECROFT GLOBAL PRO, SHXT4200W 3mtr CEILING MOUNTED 3 CIRCUIT TRACK, WHITECROFT GLOBAL PRO, SHXT4300W
V	WALL MOUNTED 150W UPLIGHTER – WHITECROFT MINI FLOOD, WHITE.
E3	2 x 20W TWINSPOT 3 HR NON-MAINTAINED EMERGENCY WHITECROFT SENCT20NM
E1	3hr EMERGENCY – WHITECROFT SLICE WITH LEGEND
E2	3hr EMERGENCY – WHITECROFT SENTRY
P A D	PIR PRESENCE DETECTOR. PIR ABSENCE DETECTOR. PIR PRESENCE/ABSENCE DETECTOR WITH DAYLIGHT DIMMING. LR – LONG RANGE CM – CEILING MOUNT.
*G *W	LIGHT SWITCH *K DENOTES KEY TEST SWITCH, *G DENOTES No OF GANGS, *W DENOTES No OF WAYS)
D	DIMMER SWITCH
CFL	MODULAR CLASS PACK
CB	MULTI OUTLET CONNECTION BOX
C	CIRCULATION – LIGHTING CONTACTOR ENCLOSURE
DR	LED DRIVER

NOTES:

1. CONDUIT WITHIN WALLS TO SWITCHES TO BE EARTHED METAL.
2. CABLING TO BE LSF/LSF THROUGHOUT EXCEPT PLANT AREAS WHERE SINGLE CORE IN CONDUIT WALL IS TO BE USED.
3. WITHIN PLASTERBOARD CEILING AREAS, CONNECTION BOXES ARE TO BE LOCATED ABOVE THE NEAREST LUMINAIRE.

SHDC
Planning & Development
20 SEP 2010
Ref: 0777-10

Rev	Date	Revision Note	By	Checked
C01	24.05.10	ATRIUM CIRCLE LED's CHANGED TO WHITE AS CLIENT REQUEST 19-5-10	SK	KR
P02	27.04.10	UPDATED TO SUIT LATEST ARCHITECTS LAYOUT. CEILING LIGHTING MOVED TO G/F DRAWING. LED'S ADDED PER ARCHITECTS REQUIREMENTS.	SK	KR
P01	05.03.10	ISSUED FOR COMMENT	SK	KR

National Inspection Council for Electrical Installation Contracting
REGISTERED MEMBER
HVCA

Issue Status:
CONSTRUCTION

Jtomlinson
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Client:
WILLMOTT DIXON CONSTRUCTION

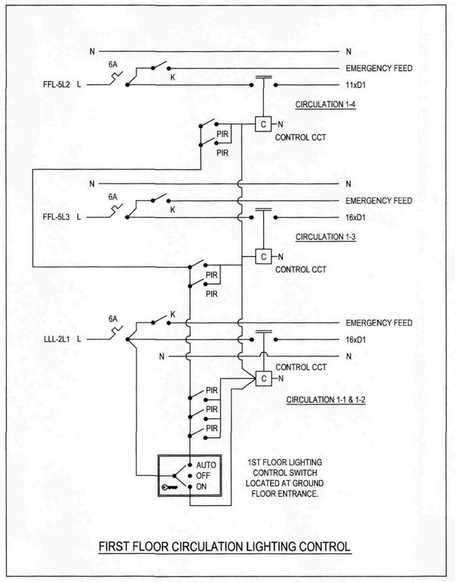
Project:
RED LION FOODS
RED LION STREET
SPALDING

Title:
ELECTRICAL SERVICES
GROUND FLOOR ENTRANCE AREA
LOW LEVEL LED LIGHTING LAYOUT

Scale: 1:50@A1
Date: JAN 2010
Drawn by: SK
Checked by: KR

Drg No: **P00724/DWG/63/0/002**
Rev: **C01**





FIRST FLOOR CIRCULATION LIGHTING CONTROL

LEGEND OF SYMBOLS	
SYMBOL	DESCRIPTION
B1	1x49W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH149P
B1/E	3HR EMERGENCY VERSION ACFH149PEM
B2	1x35W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH135P
B2/E	3HR EMERGENCY VERSION ACFH135PEM
B3	1x35W SUSPENDED DIRECT/INDIRECT DIMMABLE LUMINAIRE, SILVER ALUMINIUM BODY WITH SEMI-SPECULAR LOUVRE 90% DOWN 10 % UP. VECWSD13590S, 4000K LAMP
B3/E	3HR EMERGENCY VERSION VECW5D13590SEMIN 600MM INFILL VECINF600S 900MM INFILL VECINF900S 3 WAY CORNER UNIT VEC3S 2 WAY CORNER UNIT VEC2S
B4	1x54W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH154P
B4/E	3HR EMERGENCY VERSION ACFH154PEM
B5	2x54W FLUORESCENT LUMINAIRE IP65 WITH POLY CARB DIFFUSER, 4000K LAMP – WHITECROFT ACFH254P
B5/E	3HR EMERGENCY VERSION ACFH254PEM
D1	2x26W TC-D CEILING RECESSED DOWNLIGHT 165MM C/W 4000K LAMPS. WHITECROFT ESPRIT ESPH226
D1/E	3HR EMERGENCY VERSION ESPH226EM
D2	2x18W IP44 TC-D CEILING RECESSED DOWNLIGHT 165MM C/W 4000K LAMPS. WHITECROFT ESPRIT ESPH186
D2/E	3HR EMERGENCY VERSION ESPH218EM
D4	1x54W T5 CEILING CEILING MOUNTED FLUORESCENT LUMINAIRE WITH POLY CARB DIFFUSER. 4000K LAMPS. WHITECROFT REDIAL CORNICE RADH154S
D4/E	3HR EMERGENCY VERSION RADH154SEM
G1	RECESSED FLOOR MTD 3W WHITE LED LIGHT WHITECROFT CONCERT GL050
G2	RECESSED FLOOR MTD 3W BLUE LED LIGHT WHITECROFT CONCERT GL050
G3	RECESSED CEILING MTD 3W WHITE LED LIGHT WHITECROFT CONCERT GL050
M	4x14W MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT SOFTCELL 3 SOF3W5H414
M/E	CEILING MOUNT SOF3600XT EMERGENCY VERSION SOF3W5H414EMIN
M1	4x24W MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT SOFTCELL 3 SOF3W5H424
M1/E	CEILING MOUNT SOF3600XT EMERGENCY VERSION SOF3W5H424EMIN
M2	2x40W MODULAR FLUORESCENT LUMINAIRE 600x600 WITH ASYMETRIC OPTICS, 4000K LAMPS WHITECROFT CASCADE TSI-CTSH240
M2/E	EMERGENCY VERSION CTSH240EMIN
M2/D	DIMMABLE VERSION CTSD240 EMERGENCY DIMMABLE VERSION CTSD240EMIN
M3	2x24W MODULAR FLUORESCENT LUMINAIRE 600x600 4000K LAMPS WHITECROFT CASCADE CSDWH224
M3/E	EMERGENCY VERSION CSDWH224EMIN
M3/D	DIMMABLE VERSION CSDWD224
M3/ED	EMERGENCY DIMMABLE VERSION CSDWD224EMIN
M4	1x40W MODULAR FLUORESCENT LUMINAIRE 600x600 4000K LAMPS WHITECROFT CASCADE CSDWH140
M4/E	EMERGENCY VERSION CSDWH140EMIN
M4/D	DIMMABLE VERSION CSDWD140
M4/ED	EMERGENCY DIMMABLE VERSION CSDWD140EMIN
M5	4x24W IP54 T5 MODULAR FLUORESCENT LUMINAIRE 600x600 LG3/LG7, 4000K LAMPS WHITECROFT HYGIENE 3 HYGP424
M5/E	PLASTERBOARD MOUNT LUMAFIXBKTKIT EMERGENCY VERSION HYGP424EMIN
PD	1x57W TC-T LOW BAY PENDANT, GREY GEAR BOX WITH ACRYLIC REFRACTOR, 4000K LAMP, WHITECROFT ATLANTA JUNIOR ATJ32-F57-1 (DIMMABLE)
PD/E	3HR EMERGENCY VERSION SUSPENSION KIT ATJSUSKIT ATLANTA JUNIOR ATJ32-F57-1EMIN (DIMMABLE)
L	CEILING RECESSED 3x1W LED COLOUR CHANGE DOWNLIGHT WHITECROFT LDRLEDWS31C CONTROLLER – WHITECROFT CONCERT CNRGBOX
L2	FLOOR RECESSED LED COLOUR CHANGE UPLIGHT – WHITECROFT
W2	2x36W WALL MOUNTED LUMINAIRE WITH PERFORATED COVER, 4000K LAMPS, WHITECROFT VESPERE VWMH236
W3	1x38W 2D SURFACE MOUNTED CIRCULAR LUMINAIRE WITH OPAL GLASS DIFFUSER 3500K LAMP, WHITECROFT LAGUNA LNH138
W3/E	EMERGENCY VERSION LNH138EM
W4	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WITH PRISMATIC POLYCARBONATE DIFFUSER 3500K LAMP, WHITECROFT DUSK DKSPH28W
W4	EMERGENCY VERSION DKSPH28WEMIN
W5	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WHITECROFT CENTURIAN SMOOTH – SILVER
W6	SURFACE MOUNTED IP65 RATED 1x28W 2D BULKHEAD WHITECROFT CENTURIAN SMOOTH – SILVER
S	35W CDM-T DIRECTIONAL SPOTLIGHT, SILVER BODY C/W TRACK ADAPTOR, WHITECROFT STRA-C35E-M3-11
T2	2mtr CEILING MOUNTED 3 CIRCUIT TRACK, WHITECROFT GLOBAL PRO, SHXT4200W
T3	3mtr CEILING MOUNTED 3 CIRCUIT TRACK, WHITECROFT GLOBAL PRO, SHXT4300W
V	WALL MOUNTED 150W UPLIGHTER – WHITECROFT MINI FLOOD, WHITE.
E3	2 x 20W TWINSPOT 3 HR NON-MAINTAINED EMERGENCY WHITECROFT SENCT20NM
E1	3hr EMERGENCY – WHITECROFT SLICE WITH LEGEND
E2	3hr EMERGENCY – WHITECROFT SENTRY
P A D	PIR PRESENCE DETECTOR. PIR ABSENCE DETECTOR. PIR PRESENCE/ABSENCE DETECTOR WITH DAYLIGHT DIMMING. LR – LONG RANGE CM – CEILING MOUNT.
*G *W	LIGHT SWITCH *K DENOTES KEY TEST SWITCH, *G DENOTES No OF GANGS, *W DENOTES No OF WAYS)
D	DIMMER SWITCH
CFL	MODULAR CLASS PACK
CB	MULTI OUTLET CONNECTION BOX
C	CIRCULATION – LIGHTING CONTACTOR ENCLOSURE
DR	LED DRIVER

NOTES:

1. CONDUIT WITHIN WALLS TO SWITCHES TO BE EARTHED METAL.
2. CABLING TO BE LSF/LSF THROUGHOUT EXCEPT PLANT AREAS WHERE SINGLE CORE IN CONDUIT WALL IS TO BE USED.
3. WITHIN PLASTERBOARD CEILING AREAS, CONNECTION BOXES ARE TO BE LOCATED ABOVE THE NEAREST LUMINAIRE.

SHDC
Planning & Development
2 0 SEP 2010
Ref: 0777-10

Rev	Date	Revision Note	By	Checked
C01	25.05.10	MINOR CIRCUIT REFERENCE CHANGES. 2 WAY SWITCHING ADDED TO MEETING ROOM 1&2	SK	KR
P02	30.04.10	UPDATED TO SUIT LATEST ARCHITECTS LAYOUT. LED LIGHTS ADDED TO WAITING AREA. LED LIGHTS ADDED TO FRONT SOFFIT. WAITING AREA & STAIRS MANUALLY SWITCHED. UPLIGHTS ADDED TO IT ROOM. FRONT WC LIGHTS CHANGED TO DOWNLIGHTERS.	SK	KR
P01	05.03.10	ISSUED FOR COMMENT	SK	KR

National Inspection Council for Electrical Installation Contracting APPROVED CONTRACTOR
REGISTERED MEMBER ECA
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Client:
WILLMOTT DIXON CONSTRUCTION

Project:
RED LION FOODS
RED LION STREET
SPALDING

Title:
ELECTRICAL SERVICES
FIRST FLOOR
LIGHTING LAYOUT

Scale: 1:100@A1	Drawn by: SK
Date: MAR 2010	Checked by: KR
Drg No: P00724/DWG/63/1/001	Rev: C01