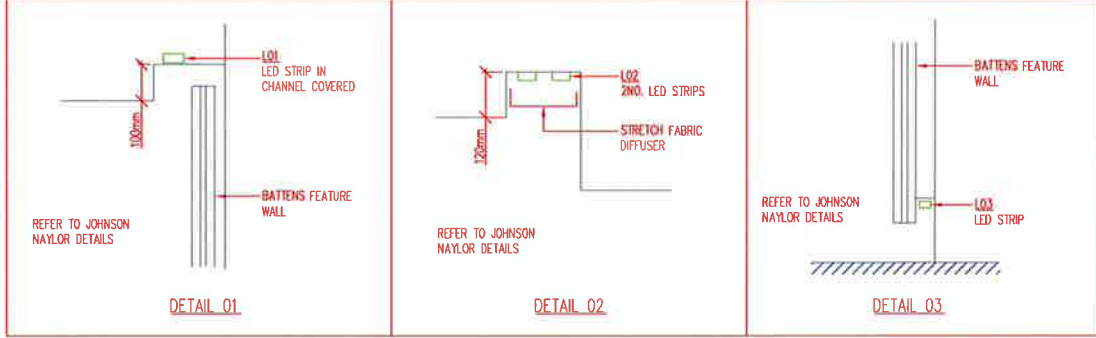


- LIGHTING LEGEND:**
- SINGLE GANG 20A SINGLE POLE SWITCH
 - CEILING MOUNTED 360° PIR DETECTOR
 - WALL MOUNTED 90° PIR DETECTOR
 - SCENE SET SWITCHES
 - WEATHER PROOF
 - DENOTES EMERGENCY LUMINAIRE, C/W SELF CONTAINED (INTEGRAL) 3 HOURS EMERGENCY BATTERY KIT & AUTO TEST FUNCTIONING WITH POTENTIAL FREE CONTACT
 - PHILIP PAYNE ILLUMINATED EMERGENCY EXIT SIGNAGE LUMINAIRE, COMPLETE WITH 3HR INTEGRAL EMERGENCY BATTERY BACKUP
 - AS + SURFACE MOUNTED IP67 RATED EXIT SIGNAGE
 - AS + WITH DIRECTIONAL ARROWS
 - AS + DOUBLE SIDED WITH DIRECTIONAL ARROWS
 - AS WHITECROFT ACF DURALITE, IP65 RATED, 2x35W T5
 - AS WHITECROFT ACF DURALITE, IP65 RATED, 1x35W T5
 - AS TRILUX POLARON WALL MOUNTED CIRCULAR LUMINAIRES, 4000 K COLOUR TEMPERATURE 1X55W T16-R
 - AS PHILIP PAYNE TYKE STANDARD 3W LED WITH AUTO-TEST AND VOLT-FREE CONTACT TO CONNECT TO EMERGENCY LIGHTING SYSTEM
 - AS EDWARD RAY INTERNATIONAL LTD, FUSION FLEX 2700K WITH OPAL DIFFUSER, DALI DIMMABLE CONTINUOUS TWIN LED STRIP LIGHTS WITH NO DARK SPOTS MOUNTED AT TOP OF TIMBER WALL
 - AS EDWARD RAY INTERNATIONAL LTD, FUSION FLEX 2700K WITH CLEAR DIFFUSER, DALI DIMMABLE CONTINUOUS TWIN LINEAR LED STRIP LIGHTS WITH NO DARK SPOTS MOUNTED BEHIND STRETCH FABRIC DIFFUSER
 - AS LO1 BUT WITH CLEAR DIFFUSER AND MOUNTED AT SKIRTING OF TIMBER WALL
 - AS SPECIFIED BY JOHNSON NAYLOR C/W 4x32W PL-T RECEPTION FEATURE PENDANT
 - AS SPECIFIED BY JOHNSON NAYLOR FEATURE LUMINAIRE
 - AS SPECIFIED BY JOHNSON NAYLOR FEATURE LUMINAIRE
 - AS SPECIFIED BY JOHNSON NAYLOR FEATURE LUMINAIRE
 - AS DELTAUGHT, MINIGRID IN RED WITH TRIM, BW, 3000K CEILING RECESSED TWIN ADJUSTABLE LED DOWNLIGHTS
 - AS MODULAR LIGHTING, NOMAD 2xLED 900mm, ADJUSTABLE COLUMN DOWNLIGHTS, 3000K, C/W DALI DIMMABLE CONTROL GEAR AND C/W 3HRS INTERNAL BATTERY KIT.
 - AS PHOTONSTAR CEILING STAR DL, MERCURY 810, 30 DEG. CEILING RECESSED LED DOWNLIGHT
 - AS PHOTONSTAR CEILING STAR ED, MERCURY 810, 30 DEG. CEILING RECESSED LED DOWNLIGHT
 - AS LUX LIGHT TECHNOLOGY, MONACO SLIM STRIP LED BACK TO BACK VERTICALLY WITHIN TOTEM, SW, 12V, 3300K
 - AS WHITECROFT G-LINE SURFACE MOUNTED BULKHEAD TYPE LUMINAIRE, 1X26W 2D T5.
 - AS WHITECROFT ESPRIT RECESSED CIRCULAR DOWNLIGHT 1X26W TC-D.
 - AS WE EF DCC220, LED 12/24W, 3000K, WIDE BEAM, RECESSED IP66 DOWNLIGHT, COMPLETE WITH DALI DIMMABLE CONTROL GEAR.
 - AS WHITECROFT CENTURION 350, WALL MOUNTED EXTERNAL LUMINAIRE.
 - WALL MOUNTED PHOTO CELL FOR EXTERNAL LIGHTING CONTROL.
 - LOCAL RECEPTION LIGHTING CONTROL SYSTEM PANEL
 - AS WE-EF PIA230(S), 1X35W CDM-T, 3000K, IP66 WALL MOUNTED FLOOD LIGHT WITH SIDEWAYS ASYMMETRICAL BEAM DISTRIBUTION COMPLETE WITH INTEGRAL ELECTRONIC CONTROL GEAR
 - AS WE-EF PIA230(A), 1X35W CDM-T, 3000K, IP66 WALL MOUNTED FLOOD LIGHT WITH FORWARD ASYMMETRICAL BEAM DISTRIBUTION COMPLETE WITH INTEGRAL ELECTRONIC CONTROL GEAR

- FIRE ALARM LEGEND:**
- ANALOGUE ADDRESSABLE FIRE ALARM MANUAL BREAK GLASS UNIT
 - ANALOGUE ADDRESSABLE FIRE ALARM SMOKE DETECTOR
 - ADV - DENOTES CONNECTED TO ADV SMOKE VENT SYSTEM
 - HD - DENOTES HEAT DETECTOR
 - CP - CONNECTED TO CAR PARK SMOKE VENT SYSTEM
 - 230V
 - 230V FIRE DETECTOR C/W COMBINED SOUNDER AND INTEGRATED BACK-UP BATTERY
 - SD - DENOTES SMOKE DETECTOR
 - HD - DENOTES HEAT DETECTOR
 - ANALOGUE ADDRESSABLE ELECTRONIC SOUNDER
 - ANALOGUE ADDRESSABLE FLASHING BEACON
 - NETWORKED FIRE ALARM PANEL
 - NETWORKED FIRE ALARM REPEATER PANEL
 - ANALOGUE ADDRESSABLE FIRE ALARM INTERFACE UNIT
 - LIFT - DENOTES LIFT
 - GEN - DENOTES GENERATOR CONTROL PANEL
 - AC - DENOTES ACCESS CONTROL
 - COM - DENOTES COMMERCIAL UNIT
 - MCC - DENOTES MOTOR CONTROL CENTRE
 - POD - DENOTES POWERED DOORS
 - FD - DENOTES MOTORISED FIRE DAMPER
 - No - DENOTES NUMBER OF INTERFACES
 - DISABLED REFUGE INTERCOM PANEL
 - DISABLED REFUGE INTERCOM
 - FIRE FIGHTING TELEPHONE IN LIFT CAR
 - FIRE FIGHTING TELEPHONE MAIN HANDSET

Continuation see Drg HL-XX-06-05A-E-690-0008



- NOTES - Continued**
25. PIR locations to be co-ordinated with architect, interior designer and lighting control manufacturer. Lighting control strategy to comply with CFSH requirements.
 26. Linear LED strip to be 'made to measure'. To be measured on site, and installed for continuous appearance with no dark spots.
 27. All luminaires to be provided with all fixings/accessories for a complete lighting installation.
 28. Non-maintained 3W emergency LED spotlight to be mounted in coffer detail with LED strips in locations shown on drawings. Co-ordinate with LED strip manufacture and interior designer.
 29. Luminaire types XB, XD & XP to be led from the new Handyside Park (HSP) lighting control panel located in the new HSP plant room.
 30. Co-ordinate external lighting with 'CONTROL LIGHTING'.
 31. Type XB, XD & XP to be on separate lighting control channels.
 32. Photocell to be connected to a North facing wall. Photocell to be as specified by 'CONTROL LIGHTING' (Contact Ray Dolby - Tel: 01865 877 956). Cable to be 1x Link Power - Beldon 8471 Twisted pair 1.5mm² Echelon link power cable.

Index	Description	Drawn & CEN	Checked	Date
17	REVISED CANOPY LIGHTING TO COMMERCIAL UNITS TO SUIT ARGENT REQUIREMENTS	GM	DOC	OCT 15
16	REVISED CANOPY LIGHTING TO SUIT SPERS & MAJOR SCHEME DESIGN AND ARGENT REQUIREMENTS	PKD	MAH	JUN 13
15	REVISED IN LINE WITH CRF 02	PKD	MAH	FEB 13
14	REVISED IN LINE WITH CRF 0021	PKD	MAH	JAN 13
13	CRF02 UPDATE - FOR COMMENT	PKD	MAH	SEP 12
12	TENDER ISSUE	PRB	PKD	AUG 11
11	TENDER ISSUE	DF	DOC	MAY 11

- NOTES:**
1. The drawing does not necessarily show all the information needed to interpret the design intent or the construction details.
 2. The drawing contains information from more than one source and must be read in conjunction with all relevant specifications.
 3. Any apparent drafting errors and differences between other drawings and specifications shall be brought to our attention.
 4. All electrical installation shall conform to the latest edition of the wiring regulation BS 7871.
 5. General lighting levels should be in accordance with CIBSE codes for interior and exterior lighting BS EN 12464-1 & secure by design requirements.
 6. Final design of all lighting in all areas including colours and finishes of luminaires, switches and other accessories to be agreed with the interior designer, Architect and lighting designer.
 7. 50% of basement lighting to be on 24/7 and 50% to turn on on presence detector activation.

8. External & security lighting to be controlled via photocell daylight sensors & connected to the lighting control system.
9. Ground floor OMU entrance and OMU corridors to be controlled via a local lighting control system, scenes to be agreed with Architect & Engineer. Ground floor and OMU luminaires to include DALI dimmable control gear.
10. General emergency lighting and exit signs in landlord areas to be maintained type, integrated into the general lighting scheme. Emergency lighting to be backed by a 3hrs integral battery pack and connect to the emergency lighting self test system.
11. Number and locations of exit signs to be agreed with Building Control and the Architect.
12. All luminaire locations in plant rooms to be co-ordinated with the mechanical plant.
13. The contractor is responsible for the provision of containment and proprietary brackets, as necessary, to provide walkway and plant area lighting for the complete roof lighting system.
14. Luminaires on roof to be mounted at 800mm AFFL.
15. Layouts to be read in conjunction with the fire alarm schematic drawing.
16. Apartments to be designed to Category LD3 Grade D.
17. All fire alarm cabling (except power supplies and network cabling) to be red soft skinned and PH120 specification.
18. Fully co-ordinate quantities and locations of fire alarm interface units with specialists, electrical and mechanical contractors.
19. Fire alarm panel and fire alarm repeater panels to be recessed in the Block A and D entrance lobbies, respectively. Locations and installation to be co-ordinated with the Architect.
20. Lifts to automatically be sent to ground in the event of a full fire signal.
21. Quantities of smoke ventilation detectors indicative only. Quantities subject to smoke ventilation specialist's final design.
22. All outdoor equipment to be weatherproof (IP55 rated)
23. Fire alarm devices on roof to be mounted on posts.
24. Type XD luminaires to be provided with a remote 3 hour emergency battery pack. Battery packs to be accessible.

CDM Pre-Construction Information
The following information is provided in pursuance of Regulations 11 (8) of the CDM Regulations 2007:

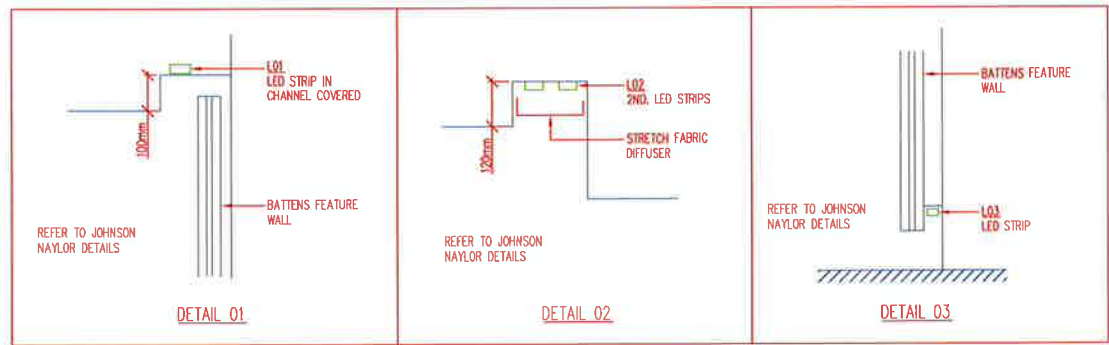
Architect
WEEDON PARTNERSHIP
QUADRANT COURT
47-48 CALTHORPE ROAD
EDGBASTON
BIRMINGHAM B15 1TH

Client
KIER BUILD

Project Title
KINGS CROSS CENTRAL BUILDING J

Drawing Title
ELECTRICAL SERVICES
GROUND FLOOR LIGHTING
CONTROL & FIRE ALARM LAYOUT
SHEET 1 OF 2

CRF 02		
HOARE LEA		
www.hoarelea.com		
Project No	Drawn & Checked by	Reviewed by
0208848	DF	DOC
Date	Scale	Issuing Office
MAY 2011	1:100 @ A1	LONDON
DRAWING NUMBER		
Project Code	Disc	Level
0208848	HL XX	00
Disc	File	Class
GA	E	690
Number	Revision	
0007	T7	



LIGHTING LEGEND:

- SINGLE GANG 20A SINGLE POLE SWITCH
- CEILING MOUNTED 360° PIR DETECTOR
- WALL MOUNTED 90° PIR DETECTOR
- SCENE SET SWITCHES
- WEATHER PROOF
- DENOTES EMERGENCY LUMINAIRE, C/W SELF CONTAINED (INTEGRAL) 3 HOURS EMERGENCY BATTERY KIT & AUTO TEST FUNCTIONING WITH POTENTIAL FREE CONTACT
- PHILIP PAYNE ILLUMINATED EMERGENCY EXIT SIGNAGE LUMINAIRE, COMPLETE WITH 3HR INTEGRAL EMERGENCY BATTERY BACKUP
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- C/W NON-MAINTAINED 3W LED DOWNLIGHTS AS INDICATED ON THE LAYOUT.
- AS LO1 BUT WITH CLEAR DIFFUSER AND MOUNTED AT SKIRTING OF TIMBER WALL.
- AS SPECIFIED BY JOHNSON NAYLOR C/W 4x32W PL-T RECEPTION FEATURE PENDANT
- AS SPECIFIED BY JOHNSON NAYLOR FEATURE LUMINAIRE.
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FIRE ALARM LEGEND:

- ANALOGUE ADDRESSABLE FIRE ALARM MANUAL BREAK GLASS UNIT
- ANALOGUE ADDRESSABLE FIRE ALARM SMOKE DETECTOR
- ANALOGUE ADDRESSABLE FIRE ALARM SMOKE DETECTOR ADV - CONNECTED TO ADV SMOKE VENT SYSTEM
- ANALOGUE ADDRESSABLE FIRE ALARM HEAT DETECTOR
- ANALOGUE ADDRESSABLE FIRE ALARM CARBON MONOXIDE DETECTOR
- 230V FIRE DETECTOR C/W COMBINED SOUNDER AND INTEGRATED BACK-UP BATTERY
- ANALOGUE ADDRESSABLE ELECTRONIC SOUNDER
- ANALOGUE ADDRESSABLE FLASHING BEACON
- NETWORKED FIRE ALARM PANEL
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- ANALOGUE ADDRESSABLE FIRE ALARM INTERFACE UNIT GEN - DENOTES GENERATOR CONTROL PANEL
- ANALOGUE ADDRESSABLE FIRE ALARM INTERFACE UNIT ACC - DENOTES ACCESS CONTROL
- ANALOGUE ADDRESSABLE FIRE ALARM INTERFACE UNIT MCC - DENOTES MOTOR CONTROL CENTRE
- ANALOGUE ADDRESSABLE FIRE ALARM INTERFACE UNIT FD - DENOTES MOTORISED FIRE DAMPER
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- FIRE FIGHTING TELEPHONE MAIN HANDSET

For continuation see Drg HL-XX-06-GA-E-690-0007



NOTES - Continued

26. PIR locations to be co-ordinated with architect, interior designer and lighting control manufacturer. Lighting control strategy to comply with CFSH requirements.
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CDM Pre-Construction Information
The following information is provided in pursuance of Regulations 11 (8) of the CDM Regulations 2007:

Architect	WEEDON PARTNERSHIP QUADRANT COURT 47-49 CALTHORPE ROAD EDGBASTON BIRMINGHAM B15 1TH
Client	KIER BUILD

Project Title	KINGS CROSS CENTRAL BUILDING J
Drawing Title	ELECTRICAL SERVICES GROUND FLOOR LIGHTING CONTROL & FIRE ALARM LAYOUT SHEET 2 OF 2

CRF 02		
HOARE LEA		
www.hoarelea.com		
Project No	Drawn & Checked by	Reviewed by
0208848	DF	DOC
Date	Scale	Issuing Office
MAY 2011	1:100 @ A1	LONDON
DRAWING NUMBER		
Project Code	Chp	Zone
0208848	HL	XX
Doc	Typ	Rev
00	GA	E
Scale	Class	Number
690	000B	T7