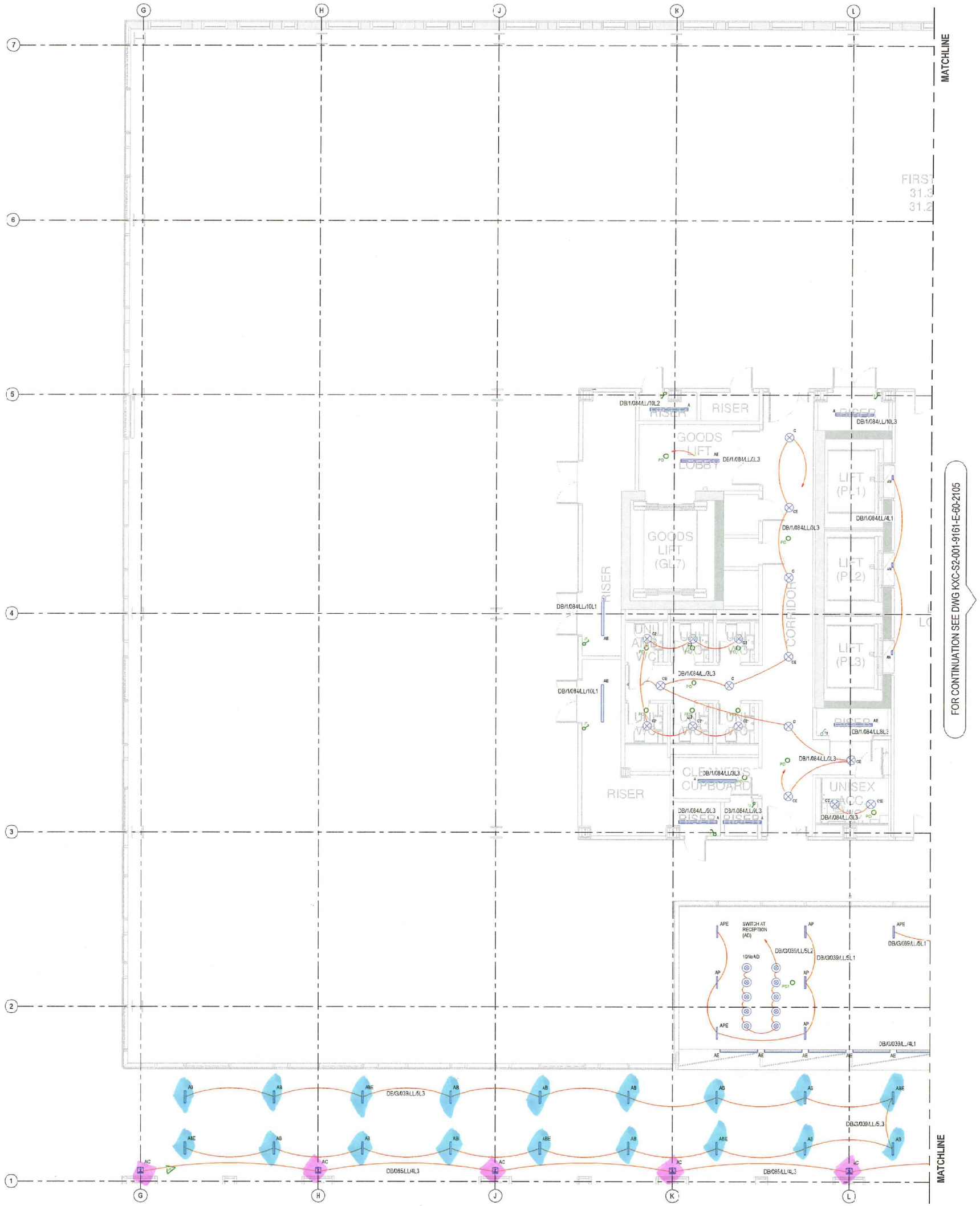

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION BOX	
Construction Risks	NO SIGNIFICANT RISK
Maintenance/cleaning Risks	NO SIGNIFICANT RISK
Demolition/adaptation Risks	NO SIGNIFICANT RISK
In addition to the hazards this is normally associated with the types of work detailed on this drawing take note of the above. It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement	

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DRAWING STAGE DEFINITIONS (BSRIA BG 6/2014)

STAGE 2 CONCEPT DRAWING
STAGE 3/4 DEVELOPED DESIGN DRAWING
STAGE 4A TECHNICAL DESIGN DRAWING
STAGE 4B COORDINATED WORKING DRAWING
STAGE 5 INSTALLATION DRAWING/RECORD DRAWING

For full definitions refer to BSRIA BG 6/2014 Table 1

NOTES FOR KINGS CROSS S2 LIGHTING & CONTROL DRAWINGS

1. All luminaires to be complete with DALI driver ballast, drawings to be read in conjunction with the project luminaire schedule and employers requirement documentation.
2. All wiring within luminaire body to have protective heat resistant over sleeve.
3. Basement luminaires to be suspended at 3.0M AFFL unless otherwise noted.
4. Luminaires within stairs to be mounted at 1.8M fr centre from floor or stair tread immediately below the luminaire.
5. For detail setting out dimensions of front of house lighting see Sykes and Major details.
6. Lighting drawings to be read in conjunction with the specialist lighting control drawings.
7. Lighting control to stairs will be by presence detector located at each main landing and will be provided with a 15 minute run on time.
8. Lighting control to basement corridors and dores will be PIR or microwave sensor with a 15 minute run on timer. Individual plantrooms will be controlled by manual switches within the room.
9. Lighting control within back of house occupied rooms will be luxence detector PIR control.
10. Lighting control to the loading bay will be by microwave sensor with a 30 minute run on timer, the control system will be extended to take advantage of day lighting adjacent the loading bay entrance and switch rows of lighting out where sufficient daylight exists.
11. Lighting control to the lift lobby will be timed from the lighting control system altering the lighting system to suit the time of day.
12. Lighting control to the entrance lobby will be timed from the lighting control system altering the lighting system to suit the available daylight.
13. Lighting control to external areas will be timed from the lighting control system altering the lighting system to suit the available daylight. Activation will be at a predetermined light level.
14. Within the core built, allowance will be made within the lighting control system to control lighting within tenant areas based on a 40m2 of floor space plus spare capacity as outlined within the employer's requirement document.
15. Emergency lighting shall be automatic as part of the lighting control system.
16. Lighting within individual WC will be activated by the PIR within the lobby with 20 minute run on timer.
17. Emergency luminaires positioned to suit exit signage by architect.
18. Balcony lighting controlled via lighting control system on time zone with photocell located on the roof.
19. Water solenoid valves powered from local ICM
20. Emergency inverters removed from 'AD' Type luminaires as not compliant with BS5266. Final emergency solution to roof terrace to be agreed.

Legend

- PIR Presence detector
- PIR Presence detector with photocell
- Microwave detector
- One way switch ("x" ging as indicated)
- Two way switch ("x" ging as indicated)
- EXIT Emergency Exit
- LCM Lighting Control Module

This drawing has been based on information taken from the following drawings: -

DRAWING No.	REV.	TITLE
KXC-S3401-393329-XXXX	-M	Newton Architects BIM Model
KXC-S3401-E3323-S-ZX-XXXX	-M	Revit BIM Model
KXC-S3401-A-1609-20-3111	1	First Floor GA Plan
KXC-S3401-332850-20-3101	03	General Arrangement Level 01

Rev	Description							
P4	Circuit Reference Updates, Released for Approval							
	Drawn: BS	Date: 01/11/18	Checked: NH	Date: 01/11/18	Approved: MW	Date: 01/11/18		
P3	Released for Approval							
	Drawn: BS	Date: 07/07/18	Checked: NH	Date: 07/07/18	Approved: MW	Date: 07/07/18		
P2	For Approval							
	Drawn: BS	Date: 06/06/18	Checked: NH	Date: 06/06/18	Approved: MW	Date: 06/06/18		
P1	Issued For Approval							
	Drawn: BS	Date: 06/06/18	Checked: NH	Date: 06/06/18	Approved: MW	Date: 06/06/18		

Scale: 1:50
Original Size: A0

Status: S4 - For Stage Approval
Stage: 4E Design

Client: CARILLION

Project: KINGS CROSS S2

Title: Level 1 Lighting Control Layout Sheet 1 of 2

Drawing No.: KXC-S2-001-9161-E-6C-2104
Revision: P4

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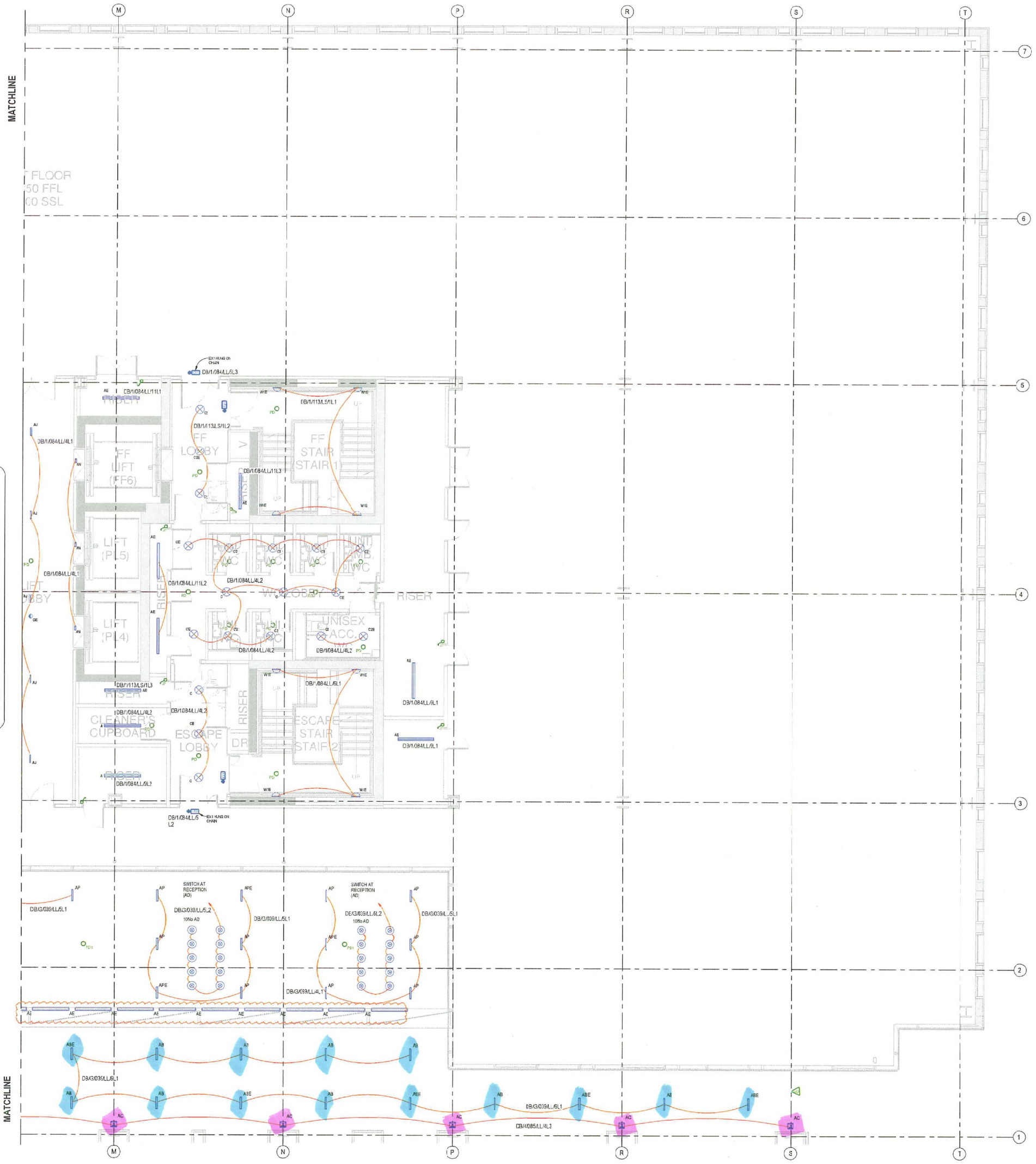

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION BOX	
Construction Risks	NO SIGNIFICANT RISK
Maintenance/cleaning Risks	NO SIGNIFICANT RISK
Demolition/adaptation Risks	NO SIGNIFICANT RISK

In addition to the hazard/risks normally associated with the types of work detailed on this drawing take note of the above.
It is assumed that all works on this drawing will be carried out by a competent contractor working, where appropriate, to an appropriate method statement

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DRAWING STAGE DEFINITIONS (BSRIA BG6/2014)

STAGE 2 : CONCEPT DRAWING
STAGE 3B : DEVELOPED DESIGN DRAWING
STAGE 4A : TECHNICAL DESIGN DRAWING
STAGE 4B : COORDINATED WORKING DRAWING
STAGE 5 : INSTALLATION DRAWINGS/RECORD DRAWING

For full definitions refer to BSRIA BG6/2014 Table 1

NOTES FOR KINGS CROSS S2 LIGHTING & CONTROL DRAWINGS

1. All luminaires to be complied with DALI driven ballast, drawings to be read in conjunction with the project luminaire schedule and employers requirement documentation.
2. All wiring within luminaire body to have protective heat resistant over sleeve.
3. Basement luminaires to be suspended at 1.0M AFFL unless otherwise noted.
4. Luminaires within stairs to be mounted at 1.8M to centre from floor or stair tread immediately below the luminaire.
5. For detail setting out dimensions of front of house lighting see Spaces and Major details.
6. Lighting drawings to be read in conjuction with the specialist lighting control drawings.
7. Lighting control to stairs will be by presence detector located at each main landing and will be provided with a 15 minute run on timer.
8. Lighting control to basement corridors and stores will be PIR or microwave sensor with a 15 minute run on timer. Individual plant rooms will be controlled by manual switches within the room.
9. Lighting control within back of house occupied rooms will be absence detection PIR control.
10. Lighting control to the loading bay will be by microwave sensor with a 30 minute run on timer, the control system will be extended to take advantage of daylighting adjacent the loading bay entrance and switch rows of lighting out where sufficient daylight exists.
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16. Lighting within individual WC will be activated by the PIR within the lobby with 20 minute run on timer.
17. Emergency luminaires positioned to suit exit signage by architect.
18. Balcony lighting controlled via lighting control system or time zone with photocell located on the roo.
19. Water solenoid valves powered from local LCM
20. Emergency Inverters removed from 'AG' type luminaires as not complian with BS5266. Final emergency solution to roof terrace to be agreed.

Legend

- PD — PIR Presence detector
- PDT — PIR Presence detector with photocell
- ME — Microwave detector
- One way Switch ("x" gang as indicated)
- Two way Switch ("x" gang as indicated)
- EXIT — Emergency Exit
- LCM — Lighting Control Module

This drawing has been based on information taken from the following drawings: -

DRAWING No.	REV	TITLE
KXC-S2-DR-A-1039-0-XXXX	D	Planten Architects BIM Model
KXC-S2-DR-M-0329-S-39-XXXX	P	Revit M BIM Model
KXC-S2-001-A-1039-23-1011	2	First Floor GA Plan
KXC-S2-001-30295-23-1101	1/E	General Arrangement Level 01

Rev P4	Cmod Reference Updated & Released For Approval Drawn BS Date: 31/01/19 Checked: AH Date: 01/01/19 Approved: MW Date: 31/01/19
Rev P3	Released for Approval Drawn BS Date: 15/01/19 Checked: AH Date: 07/01/19 Approved: MW Date: 07/01/19
Rev P2	For Approval Drawn BS Date: 16/05/18 Checked: AH Date: 16/05/18 Approved: MW Date: 16/05/18
Rev P1	Issued For Approval Drawn BS Date: 16/05/18 Checked: AH Date: 16/05/18 Approved: MW Date: 16/05/18

Scale: 1:50 — Original Size: A0

Status: S4 - For Stage Approval — Stage: 4B Design

Client: CARILLION

Project: KINGS CROSS S2

Title: Level 1
Lighting Control Layout
Sheet 2 of 2

Drawing No.: KXC-S2-001-9161-E-60-2105 — Revision: P4

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