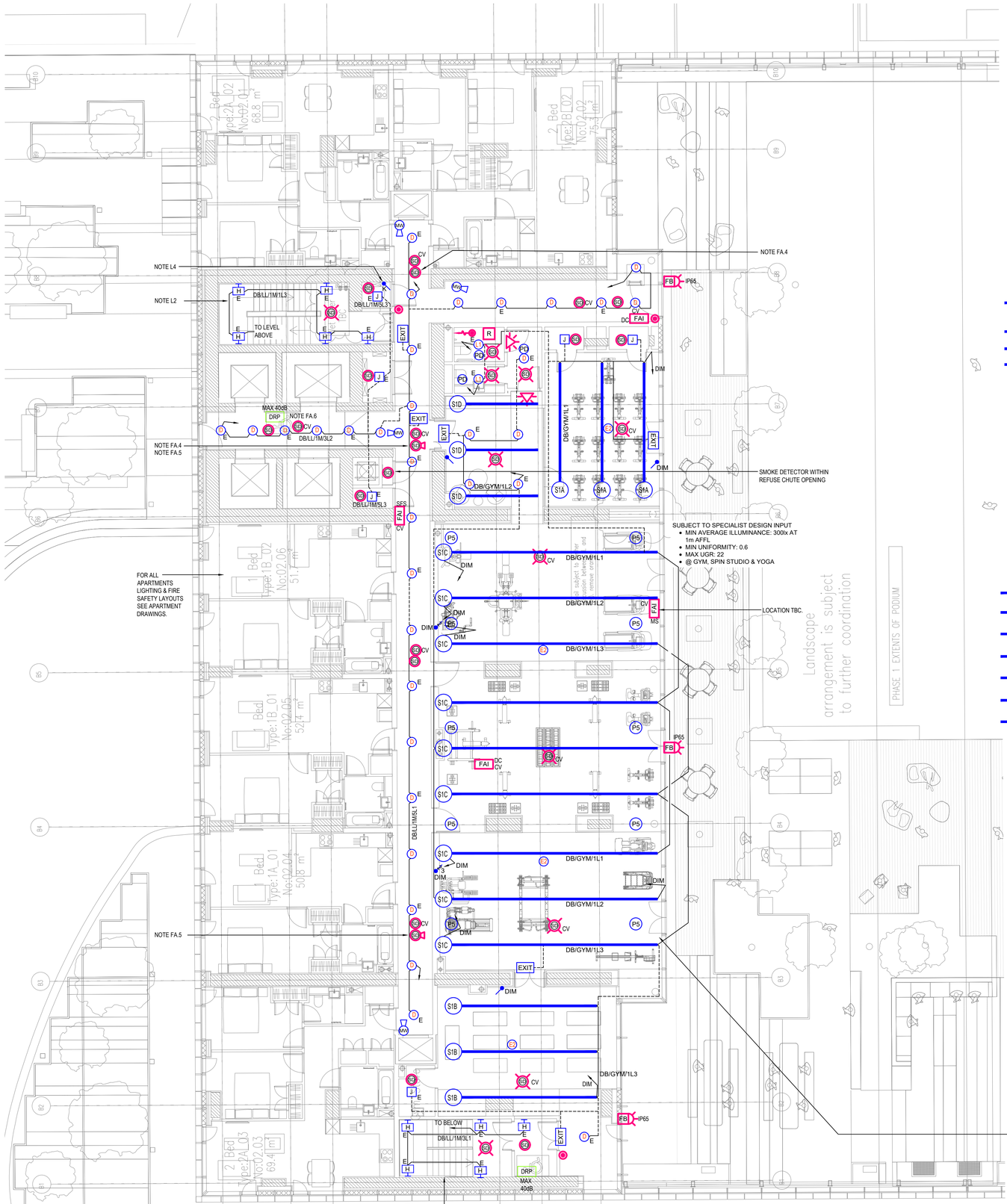


LIGHTING LEGEND

- B1 — LED, WALL / PICTURE LIGHT / LUMINAIRE
- D1 — CIRCULAR, CEILING SURFACE LED DOWNLIGHT (GENERAL/CIRCULATION AREAS)
- D2 — LED, PENDANT LUMINAIRE
- D — CIRCULAR, CEILING RECESSED LED DOWNLIGHT (COMMUNAL AREA)
- D1 — CIRCULAR, CEILING RECESSED LED DOWNLIGHT (COMMUNAL AREA)
- EXIT — ILLUMINATED LED EMERGENCY EXIT SIGN, 3HR RATED
- E1 — OVERDOOR EMERGENCY IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE
- E2 — LED 3HR RATED EMERGENCY DOWNLIGHT WITH OPEN PLAN OPTIC - NON MAINTAINED
- EM2 — SURFACE MOUNTED NON MAINTAINED / LED EMERGENCY LUMINAIRE WITH OPEN PLAN OPTIC
- EM3 — SURFACE MOUNTED NON MAINTAINED / LED EMERGENCY LUMINAIRE WITH CORRIDOR / ESCAPE ROUTE OPTIC
- F1 — LED, 9 LINES, WITH 6 PROFILES IN EACH LINE
- H — WALL MOUNTED LED LUMINAIR (WITH INTEGRAL PIR)
- I — NEON FLEX LED STRIP
- I2 — REALITY SERIES LED STRIP
- I3 — LINEAR LED LIGHTING STRIP - FOR INDIRECT LIGHTING WITHIN CEILING RAFT
- I6 — LED STRIP LIGHT WITHIN EXTRUSION CINEMA ROOM
- I7 — LED STRIP LIGHT WITH EXTRUSION FOR KARAOKE ROOM
- J — SURFACE MOUNTED BULKHEAD LED LUMINAIRE C/W INTEGRAL PIR
- J1 — SURFACE MOUNTED BULKHEAD LED LUMINAIRE
- K1 — IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE SUFFIX 'A' DENOTES ASYMMETRIC DISTRIBUTION
- K2 — IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE SUFFIX 'A' DENOTES ASYMMETRIC DISTRIBUTION
- L — CIRCULAR, CEILING RECESSED LED DOWNLIGHT
- M1 — LED, PENDANT LUMINAIRE
- M2 — LED, PENDANT LUMINAIRE
- N — RECESSED/SEMI-RECESSED MODULAR LED LUMINAIRE.
- N1 — RECESSED/SEMI-RECESSED MODULAR LED LUMINAIRE
- P1 — LED, PENDANT / LUMINAIRE
- P2 — LED, PENDANT / LUMINAIRE
- P3 — LED, PENDANT / LUMINAIRE
- P4 — LED, PENDANT / LUMINAIRE - (BAR TOP)
- P5 — RECESSED SPOT LIGHT WITH BLACK CASING
- S1A — LINEAR SUSPENDED LUMINAIRE 6000mm LONG
- S1A (E) — LINEAR SUSPENDED LUMINAIRE 6000mm LONG WITH INTEGRAL 3HR EMERGENCY MODUAL & LUMINAIRE
- S1B — LINEAR SUSPENDED LUMINAIRE 7400mm LONG
- S1B (E) — LINEAR SUSPENDED LUMINAIRE 7400mm LONG WITH INTEGRAL 3HR EMERGENCY MODUAL & LUMINAIRE
- S1C — LINEAR LED SUSPENDED LUMINAIRE 9000mm LONG
- S1C (E) — LINEAR LED SUSPENDED LUMINAIRE 9000mm LONG WITH INTEGRAL 3HR EMERGENCY MODUAL & LUMINAIRE
- S1D — BLACK CASING LINEAR LIGHT SET IN BETWEEN TIMBER PLANKS-SETTING OUT AS INDICATED.
- T1 — SUSPENDED PENDANT / LUMINAIRE
- W1 — LED WALL LIGHT / LUMINAIRE
- W2 — LED WALL LIGHT / LUMINAIRE
- W3 — LED WALL LIGHT / LUMINAIRE
- W4 — LED WALL LIGHT / LUMINAIRE
- W5 — LED WALL LIGHT / LUMINAIRE
- W6 — LED WALL LIGHT / LUMINAIRE
- X — 20A SINGLE POLE LIGHT SWITCH SUFFIX 'X' DENOTES THE NUMBER OF GANG
- X — 2 WAY LIGHT SWITCH SUFFIX 'X' DENOTES THE NUMBER OF GANG
- DIM — 1 WAY LIGHT SWITCH, DIMMABLE (* DENOTES GANG)
- *DIM — 2 WAY LIGHT SWITCH, DIMMABLE (* DENOTES GANG)
- K — EMERGENCY LIGHTING TEST KEY SWITCH
- LMCS — ENTRANCE/RECEPTION LIGHTING MASTER CONTROL STATION
- PD — LIGHTING PRESENCE DETECTOR (PIR)
- MW — MICROWAVE PRESENCE DETECTOR (PIR) - WALL / CEILING MOUNTED
- ALD — ABSENCE DETECTOR (PIR) WITH PROTOCELL DIMMING

** E DENOTES EMERGENCY 3 HOUR BATTERY BACKUP **

CIRCUIT LINE

SWITCH LINE

FIRE ALARM & DETECTION SYSTEM LEGEND

- FAP — FIRE ALARM PANEL
- FARP — FIRE ALARM REPEATER PANEL
- SD — SMOKE DETECTOR - CEILING MOUNTED
- SD — SMOKE DETECTOR WITH SOUNDER - CEILING MOUNTED
- SD — SMOKE DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- HD — HEAT DETECTOR WITH SOUNDER - CEILING MOUNTED
- HD — HEAT DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- FB — FIRE ALARM BEACON & SOUNDER
- MANUAL CALL POINT (BREAK GLASS)
- APARTMENT INTERFACE UNIT TO LINK APARTMENT FIRE ALARM SYSTEM TO LANDLORD'S SYSTEM TO NOTIFY MAIN PANEL WHEN ALARM IS ACTIVATED
- FAI — FIRE ALARM INTERFACE
- ASP — ASPIRATING SMOKE DETECTION SYSTEM
- ASPIRATING SYSTEM PIPEWORK

DISABLED REFUGE ALARM LEGEND

- MDRP — MAIN DISABLED REFUGE PANEL
- DRRP — DISABLED REFUGE REPEATER PANEL
- DRP — DISABLED REFUGE PANEL / OUTSTATION

ACCESSIBLE W.C. ALARM LEGEND

- AC — ALARM CONTROLLER
- OVERDOOR INDICATOR / SOUNDER UNIT
- CEILING MOUNTED / PULL CORD / ALARM WITH HIGH & LOW LEVEL HANDLES
- R — ALARM RESET UNIT

LIGHTING NOTES

L1. REFER TO LUMINAIRE SCHEDULE FOR FURTHER DETAILS ON LUMINAIRES
L2. STAIR CONTROLLED VIA CONTACTOR.
STAIR CONTROL ARRANGEMENT:
- BASEMENT, GROUND & MEZZANINE FLOOR
- LEVEL 1 TO 4
- THEN EVERY 6 FLOOR THEREAFTER

L3. REFER TO DISTRIBUTION BOARD SCHEDULE FOR CIRCUITING INFORMATION.
L4. EMERGENCY LIGHTING TEST KEY SWITCH LOCATION, FOR LANDLORDS AREA & GYM AREA AT EACH FLOOR LEVEL. TEST KEY SWITCH SHALL BE PROVIDED PER LIGHTING CIRCUIT.
L5. CORRIDORS AND STAIRS LIGHTING TO BE SET BACK TO 10% IN ABSENCE OF RESIDENTS.

FIRE ALARM NOTES

FA.1 FIRE ALARM TO INTERFACE WITH THE FOLLOWING:
- SPRINKLER SYSTEM
- 2No SMOKE VENT MOTORISED DAMPERS @ EACH LEVEL
- LIFT LOBBY AOV @ EACH LEVEL
- ALL ACCESS CONTROL

FA.2 ASPIRATING SYSTEM TO THE TOP OF LIFT SHAFTS
FA.3 FIRE ALARM INTERFACES SHALL BE CO-ORDINATED WITH LIFT CONTROL PANEL
FA.4 AUTOMATIC DETECTION LOCATED OUTSIDE THE DOORS OF APARTMENTS CLOSES TO THE STAIRS, IN ACCORDANCE WITH THE FIRE STRATEGY.
FA.5 NON AUTOMATICALLY OPERATED ALARM SOUNDERS PROVIDED IN COMMON CORRIDORS IN ACCORDANCE WITH FIRE STRATEGY, SUBJECT TO CLIENT/OPERATOR APPROVAL
FA.6 FIRE FIGHTING COMMUNICATION SYSTEM IN ACCORDANCE WITH FIRE STRATEGY 5.5.2.2. THE INTENTION IS TO PROVIDE A TWO WAY COMMUNICATION SYSTEM Y AS PART OF THE DISABLED CALL SYSTEM.

ABBREVIATIONS

AOV - AUTOMATIC OPENING VENT
SVD - SMOKE VENT DAMPER
LA - LANDLORD/APARTMENTS (* SELECT TO REVIEW / DEVELOPMENT)
CV - LOCATED WITHIN CEILING VOID
IP - INDICATES IP RATING OF EQUIPMENT
DC - DOOR CONTROLLER
WM - WALL MOUNTED
HL - HIGH LEVEL
AV - AUDIO VISUAL
SFS - SPRINKLER FLOW SWITCH
MS - MUSIC SYSTEM

GENERAL NOTES

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ARCHITECTS DRAWING
XREF : OBASE-10333-SHP-ZB-02-PL-A-C200-001 - GA PLAN LEVEL 02_STAGE 4 PRE CONSTRUCTION_P09_1.DWG
DATE X-REF CREATED : 23-07-2021

SCALE 1:100 (1 0 1 2 3 4 5 m)

VERSION	DRWN	CHKD	AUTH	REASON FOR ISSUE	DATE
-	RB	CN	-	AS FITTED	28.03.2024
CR1				AS FITTED	
SUITABILITY CODE				SUITABILITY DESCRIPTION	

Matic Building Services
Douglas House
Green Street
Wigan
WN3 4DQ

ASK / SALBOY

VIADUX

ELECTRICAL SERVICES

LIGHTING & FRE ALARM LAYOUT

LEVEL 02

SCALE	SHEET SIZE
1:100	A1
DRAWING NUMBER	REVISION
5013698-RDG-ZB-02-PL-E-0103	CR1



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EXTERNAL LIGHTING NOTES

EL.1 - REFER TO LUMINAIRE SCHEDULE FOR FURTHER DETAILS ON LUMINAIRES.

EL.2 - UPLIGHTERS TO BE CO-ORDINATED WITH AND LOCATED UNDER TREES.

EL.3 - FURTHER REFER TO EXTERNAL SERVICES DRAWING FOR PROPOSED CABLE ROUTING, DUCTS, DRAW PITS ETC.

EL.4 - ALL EXTERNAL LIGHTING SHALL BE TIME CLOCK, PHOTO-CELL & CONTACTOR CONTROLLED WITH MASTER OVERRIDE SWITCH / PER LIGHTING CIRCUIT. PRECISE DETAILS SHALL BE AGREED WITH THE PROJECT ADMINISTRATOR & SERVICES ENGINEER.

EL.5 - STAIR UPLIGHTER LOCATION IS INDICATIVE AND THE PRECISE LOCATION SHALL BE AGREED WITH THE ARCHITECT.

EL.6 - JOINT BOX MOUNTED WITHIN PLANTER, OR OTHER SUITABLE ALTERNATIVE LOCATION FOR FINAL CIRCUIT ELV CABLING DISTRIBUTION FROM JOINT BOX TO STRIP LIGHTS.

EL.7 - ALL ELV CABLING TO / BETWEEN THE LUMINAIRES SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURERS RECOMENDATIONS.

EL.8 - WHERE LUMINAIRES ARE MOUNTED IN 'SOFT' THEY SHALL BE MOUNTED ON A GROUND STAKE TYPE MOUNTING BRACKET OR SIMILIAR.

LV DISTRIBUTION NOTES

LVD.1 - FEEDER PILLAR LOCATION IS INDICATIVE AND SUBJECT TO DESIGN DEVELOPMENT.

EXTERNAL LIGHTING LEGEND

EX-B		RECESSED FLOOR MOUNTED LED LUMINARE UPLIGHT (TREES)
	EX-F	RECESSED STRIP LIGHT, TO TOP EDGE OF SELECTED PLANTER AND SEATING PLINTHS. RGB LED.
EX-V1		EXTERNAL WALL MOUNTED LUMINARE WITH INTEGRATED EMERGENCY
	PC	PHOTOCELL (PRECISE LOCATION TO BE AGREED ON SITE)
IP65	JB	JOINT BOX IP65 RATED

VERSION	DRWN	CHKD	AUTH	REASON FOR ISSUE	DATE
-	RB	CN	-	AS FITTED	21.03.2024
CR1				AS FITTED	

SUITABILITY CODE | SUITABILITY DESCRIPTION

Matic Building Services
Douglas House
Green Street
Wigan
WN3 4DQ

ASK / SALBOY

ABERLA, VIADUX

ELECTRICAL SERVICES

EXTERNAL LIGHTING LAYOUT

LEVEL 02

SCALE	SHEET SIZE
1:100	A0
DRAWING NUMBER	REVISION
5013698-RDG-ZB-XX-PL-E-0373	CR1



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DRAWING NOTES:

CDM REGULATIONS 2015
SIGNIFICANT OR NON-OBVIOUS RISKS AND RISKS WHICH ARE DIFFICULT TO MANAGE ARE IDENTIFIED ON THIS DRAWING USING THE FOLLOWING SYMBOL IDENTIFIED TO THE RIGHT WITH BRIEF ACCOMPANYING TEXT. FOR FURTHER DETAILS OF THE RISKS IDENTIFIED BY DESIGNERS, REFERENCE SHOULD BE MADE TO CDM HAZARD REGISTER.

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EXTERNAL LIGHTING NOTES

EL.1 - REFER TO LUMINAIRE SCHEDULE FOR FURTHER DETAILS ON LUMINAIRES.

EL.2 - UPLIGHTERS TO BE CO-ORDINATED WITH AND LOCATED UNDER TREES.

EL.3 - FURTHER REFER TO EXTERNAL SERVICES DRAWING FOR PROPOSED CABLE ROUTING, DUCTS, DRAW PITS ETC.

EL.4 - ALL EXTERNAL LIGHTING SHALL BE TIME CLOCK, PHOTO-CELL & CONTACTOR CONTROLLED WITH MASTER OVERRIDE SWITCH / PER LIGHTING CIRCUIT. PRECISE DETAILS SHALL BE AGREED WITH THE PROJECT ADMINISTRATOR & SERVICES ENGINEER.

EL.5 - STAIR UPLIGHTER LOCATION IS INDICATIVE AND THE PRECISE LOCATION SHALL BE AGREED WITH THE ARCHITECT.

EL.6 - JOINT BOX MOUNTED WITHIN PLANTER, OR OTHER SUITABLE ALTERNATIVE LOCATION FOR FINAL CIRCUIT ELV CABLING DISTRIBUTION FROM JOINT BOX TO STRIP LIGHTS.

EL.7 - ALL ELV CABLING TO / BETWEEN THE LUMINAIRES SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURERS RECOMENDATIONS.

EL.8 - WHERE LUMINAIRES ARE MOUNTED IN 'SOFT' THEY SHALL BE MOUNTED ON A GROUND STAKE TYPE MOUNTING BRACKET OR SIMILIAR.

LV DISTRIBUTION NOTES

LVD.1 - FEEDER PILLAR LOCATION IS INDICATIVE AND SUBJECT TO DESIGN DEVELOPMENT.

EXTERNAL LIGHTING LEGEND

EX-B	RECESSED FLOOR MOUNTED LED LUMINARE UPLIGHT (TREES)
EX-F	RECESSED STRIP LIGHT, TO TOP EDGE OF SELECTED PLANTER AND SEATING PLINTHS. RGB LED.
EX-V1	EXTERNAL WALL MOUNTED LUMINARE WITH INTEGRATED EMERGENCY
PC	PHOTOCELL (PRECISE LOCATION TO BE AGREED ON SITE)
IP65 JB	JOINT BOX IP65 RATED

REV	DESCRIPTION	DATE	BY	CHKD
C2	CONTRACT ISSUE	04.04.2022	KA	CN
C1	CONTRACT ISSUE	03.09.2021	MT	CN

ORIGINATOR:

RIDGE
PROPERTY & CONSTRUCTION CONSULTANTS

BELVEDERE HOUSE, 5TH FLOOR
12 BOOTH STREET
MANCHESTER
M2 4AW

TEL: 0161 833 9579
FAX: 01993 815001
WWW.RIDGE.CO.UK

CLIENT:
ASK / SALBOY

IN ASSOCIATION WITH:
ABERLA

PROJECT:
VIADUX

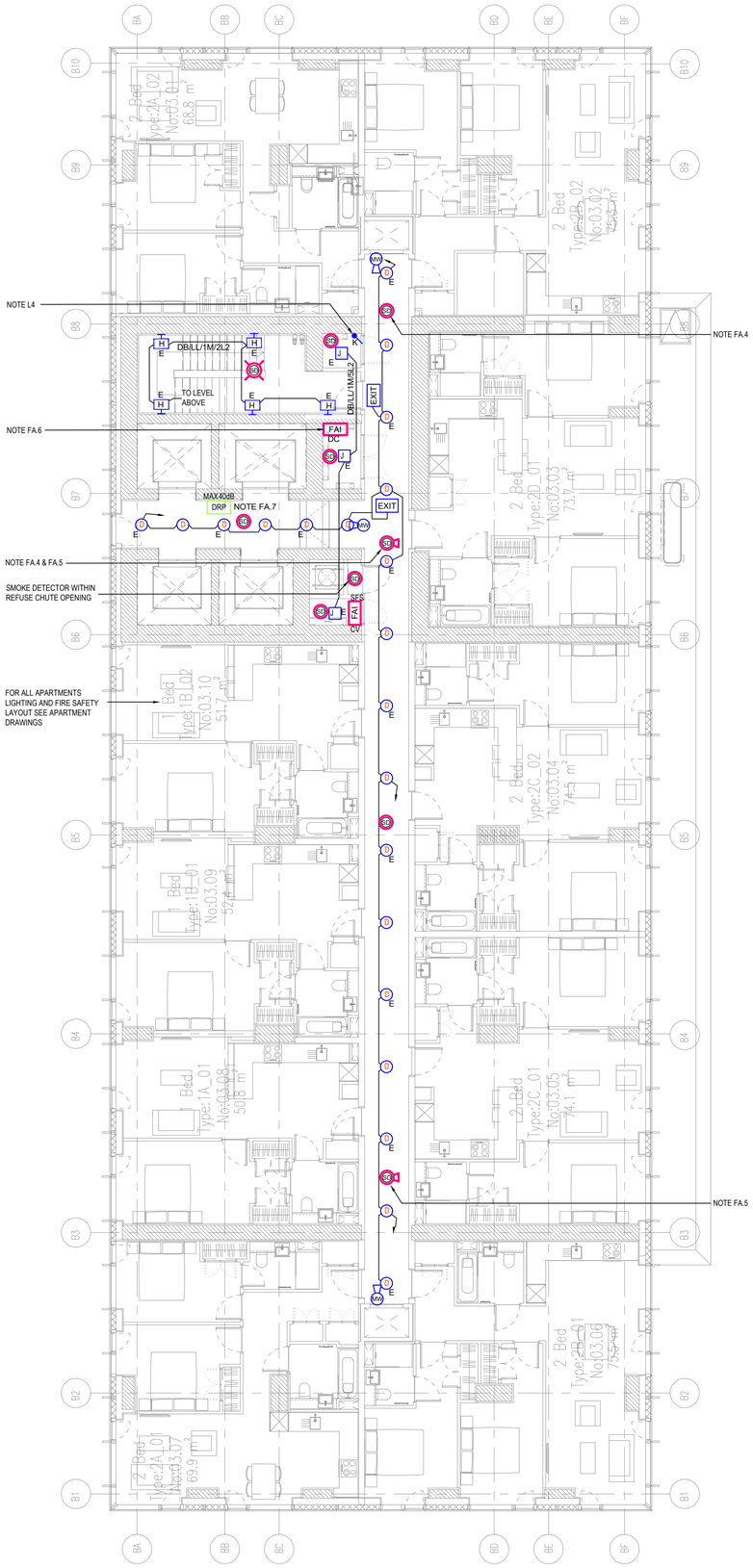
TITLE:
EXTERNAL LIGHTING LAYOUT
LEVEL 02

DRAWN BY:	MT	SCALE:	1:100 @ A0
CHECKED BY:	CN	DATE:	03.09.2021

STATUS: STAGE 4

DRAWING No:

PROJECT:	ORG	ZONE	LEVEL	TYPE	ROLE	NUMBER	REV
5013698	RDG	ZB	01	PL	E	3703	C2



LIGHTING LEGEND

- C — CIRCULAR, CEILING SURFACE LED DOWNLIGHT (GENERAL/CIRCULATION AREAS)
- D — CIRCULAR, CEILING RECESSED LED DOWNLIGHT (COMMUNAL AREA)
- EL — OVERDOOR EMERGENCY IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE
- F — CIRCULAR, RECESSED LED DOWNLIGHT IP65 RATED
- H E — WALL MOUNTED LED LUMINAIRE WITH 3HR EMERGENCY FACILITY (WITH INTEGRAL PIR)
- J — SURFACE MOUNTED BULKHEAD LED LUMINAIRE C/W INTEGRAL PIR
- K — IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE SUFFIX 'X' DENOTES ASYMMETRIC DISTRIBUTION
- X — 20A SINGLE POLE LIGHT SWITCH SUFFIX 'X' DENOTES THE NUMBER OF GANG
- K — EMERGENCY LIGHTING TEST KEY SWITCH
- MCS — ENTRANCE/RECEPTION LIGHTING MASTER CONTROL STATION
- PD — LIGHTING PRESENCE DETECTOR (PIR) - LONG BEAM
- MW — MICROWAVE PRESENCE DETECTOR (PIR) - WALL / CEILING MOUNTED
- AD — ABSENCE DETECTOR (PIR) WITH PROTOCELL DIMMING
- EXIT — ILLUMINATED LED EMERGENCY EXIT SIGN, 3HR RATED
- ** E DENOTES EMERGENCY 3 HOUR BATTERY BACKUP **
- CIRCUIT LINE
- SWITCH LINE

FIRE ALARM & DETECTION SYSTEM LEGEND

- FAP — FIRE ALARM PANEL
- FARP — FIRE ALARM REPEATER PANEL
- SD — SMOKE DETECTOR - CEILING MOUNTED
- SDS — SMOKE DETECTOR WITH SOUNDER - CEILING MOUNTED
- SDB — SMOKE DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- HD — HEAT DETECTOR WITH SOUNDER - CEILING MOUNTED
- HDB — HEAT DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- FB — FIRE ALARM BEACON & SOUNDER
- MANUAL CALL POINT (BREAK GLASS)
- APARTMENT INTERFACE UNIT TO LINK APARTMENT FIRE ALARM SYSTEM TO LANDLORD'S SYSTEM TO NOTIFY MAIN PANEL WHEN ALARM IS ACTIVATED
- FAI — FIRE ALARM INTERFACE
- ASP — ASPIRATING SMOKE DETECTION SYSTEM
- ASPIRATING SYSTEM PIPEWORK

DISABLED REFUGE ALARM LEGEND

- MDRP — MAIN DISABLED REFUGE PANEL
- DDRP — DISABLED REFUGE REPEATER PANEL
- DRP — DISABLED REFUGE PANEL / OUTSTATION

ACCESSIBLE W.C. ALARM LEGEND

- AC — ALARM CONTROLLER
- OVERDOOR INDICATOR / SOUNDER UNIT
- CEILING MOUNTED / PULL CORD / ALARM WITH HIGH & LOW LEVEL HANDLES
- R — ALARM RESET UNIT

LIGHTING NOTES

L1. REFER TO LUMINAIRE SCHEDULE FOR FURTHER DETAILS ON LUMINAIRES

L2. STAIR CONTROLLED VIA CONTACTOR . STAIR CONTROL ARRANGEMENT,
- BASEMENT, GROUND, 1st & 1 st MEZZANINE FLOOR
- LEVEL 2 TO 4
- THEN EVERY 2 FLOORS THEREAFTER

L3. REFER TO DISTRIBUTION BOARD SCHEDULE FOR CIRCUITING INFORMATION.

L4. EMERGENCY LIGHTING TEST KEY SWITCH LOCATION. FOR LANDLORDS AREA AT EACH FLOOR LEVEL. TEST KEY SWITCH SHALL BE PROVIDED PER EACH LIGHTING CIRCUIT.

L5. CORRIDORS AND STAIRS LIGHTING TO BE SET BACK TO 10% IN ABSENCE OF RESIDENTS.

FIRE ALARM NOTES

FA.1 FIRE ALARM TO INTERFACE WITH THE FOLLOWING:
- SPRINKLER SYSTEM
- 2No SMOKE VENT MOTORISED DAMPERS @ EACH LEVEL
- LIFT LOBBY AOV @ EACH LEVEL
- ALL ACCESS CONTROL

FA.2 ASPIRATING SYSTEM TO THE TOP OF LIFT SHAFTS

FA.3 FIRE ALARM INTERFACES SHALL BE CO-ORDINATED WITH LIFT CONTROL PANEL

FA.4 AUTOMATIC DETECTION LOCATED OUTSIDE THE DOORS OF APARTMENTS CLOSES TO THE STAIRS, IN ACCORDANCE WITH THE FIRE STRATEGY.

FA.5 NON AUTOMATICALLY OPERATED ALARM SOUNDERS PROVIDED IN COMMON CORRIDORS IN ACCORDANCE WITH FIRE STRATEGY, SUBJECT TO CLIENT/OPERATOR APPROVAL.

FA.6 FIRE ALARM INTERFACE UNITS SHALL BE PROVIDED AND CO-ORDINATED WITH ACCESS CONTROL SYSTEM DOOR CONTROLLERS, LOCATED AT THE FOLLOWING LEVELS, 07, 11, 15, 19, 20, 24, 28, 32 & 36.

FA.7 FIRE FIGHTING COMMUNICATION SYSTEM IN ACCORDANCE WITH FIRE STRATEGY 5.5.2.2. THE INTENTION IS TO PROVIDE A TWO WAY COMMUNICATION SYSTEM Y AS PART OF THE DISABLED CALL SYSTEM.

ABBREVIATIONS

AOV - AUTOMATIC OPENING VENT
SVD - SMOKE VENT DAMPER
LA - LANDLORD/APARTMENTS
CV - LOCATED WITHIN CEILING VOID
IP - INDICATES IP RATING OF EQUIPMENT
DC - DOOR CONTROLLER
WM - WALL MOUNTED
HL - HIGH LEVEL
SFS - SPRINKLER FLOW SWITCH

GENERAL NOTES

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ARCHITECTS DRAWING

XREF : OBASE-103333-SHP-ZB-03-PL-A-ZONE_B - GA PLANS LEVELS 03 STAGE 4 PRE CONSTRUCTION_P07_1.DWG

DATE X-REF CREATED : 11-08-2021

1 0 1 2 3 4 5
SCALE 1:100 m

VERSION	DRWN	CHKD	AUTH	REASON FOR ISSUE	DATE
-	RB	CN	-	AS FITTED	28.03.2024
CO1				AS FITTED	
SUITABILITY CODE				SUITABILITY DESCRIPTION	

Matic Building Services
Douglas House
Green Street
Wigan
WN3 4DQ

ASK / SALBOY

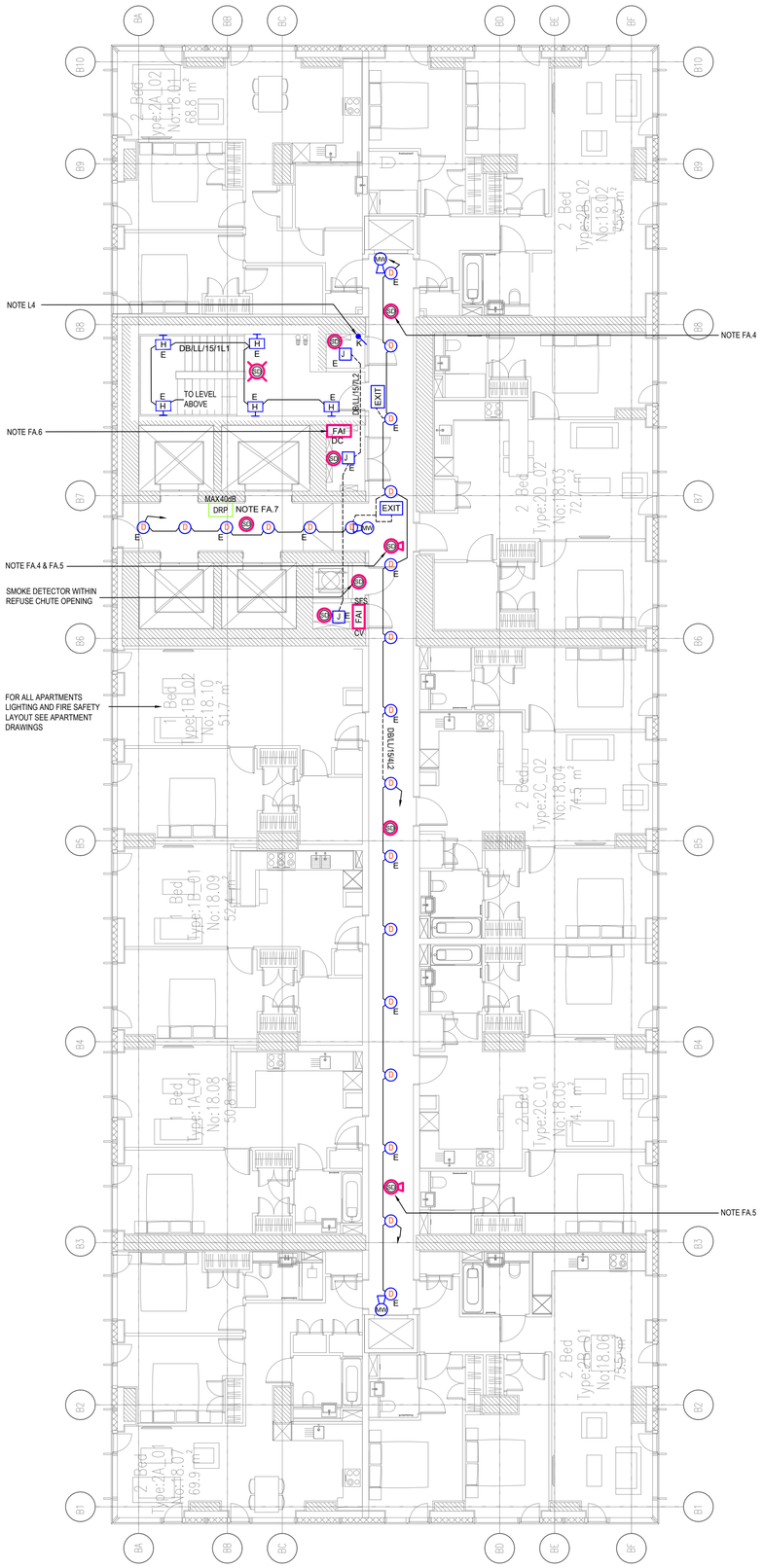
VIADUX

ELECTRICAL SERVICES

LIGHTING & FRE ALARM LAYOUT

LEVEL 03

SCALE	SHEET SIZE
1:100	A1
DRAWING NUMBER	REVISION
5013698-RDG-ZB-03-PL-E-0104	CR1



LIGHTING LEGEND

- C — CIRCULAR, CEILING SURFACE LED DOWNLIGHT (GENERAL/CIRCULATION AREAS)
- D — CIRCULAR, CEILING RECESSED LED DOWNLIGHT (COMMUNAL AREA)
- EL — OVERDOOR EMERGENCY IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE
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- PD — LIGHTING PRESENCE DETECTOR (PIR) - LONG BEAM
- MW — MICROWAVE PRESENCE DETECTOR (PIR) - WALL / CEILING MOUNTED
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- EXIT — ILLUMINATED LED EMERGENCY EXIT SIGN, 3HR RATED
- ** — E DENOTES EMERGENCY 3 HOUR BATTERY BACKUP **
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- SWITCH LINE

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- HD — HEAT DETECTOR WITH SOUNDER - CEILING MOUNTED
- HDB — HEAT DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- FB — FIRE ALARM BEACON & SOUNDER
- MANUAL CALL POINT (BREAK GLASS)
- APARTMENT INTERFACE UNIT TO LINK APARTMENT FIRE ALARM SYSTEM TO LANDLORD'S SYSTEM TO NOTIFY MAIN PANEL WHEN ALARM IS ACTIVATED
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- DRP — DISABLED REFUGE PANEL / OUTSTATION

ACCESSIBLE W.C. ALARM LEGEND

- AC — ALARM CONTROLLER
- OVERDOOR INDICATOR / SOUNDER UNIT
- CEILING MOUNTED / PULL CORD / ALARM WITH HIGH & LOW LEVEL HANDLES
- R — ALARM RESET UNIT

LIGHTING NOTES

L1. REFER TO LUMINAIRE SCHEDULE FOR FURTHER DETAILS ON LUMINAIRES

L2. STAIR CONTROLLED VIA CONTACTOR . STAIR CONTROL ARRANGEMENT,
- BASEMENT, GROUND, 1st & 1 st MEZZANINE FLOOR
- LEVEL 2 TO 4
- THEN EVERY 2 FLOORS THEREAFTER

L3. REFER TO DISTRIBUTION BOARD SCHEDULE FOR CIRCUITING INFORMATION.

L4. EMERGENCY LIGHTING TEST KEY SWITCH LOCATION. FOR LANDLORDS AREA AT EACH FLOOR LEVEL. TEST KEY SWITCH SHALL BE PROVIDED PER EACH LIGHTING CIRCUIT.

L5. CORRIDORS AND STAIRS LIGHTING TO BE SET BACK TO 10% IN ABSENCE OF RESIDENTS.

FIRE ALARM NOTES

FA.1 FIRE ALARM TO INTERFACE WITH THE FOLLOWING:
- SPRINKLER SYSTEM
- 2No SMOKE VENT MOTORISED DAMPERS @ EACH LEVEL
- LIFT LOBBY AOV @ EACH LEVEL
- ALL ACCESS CONTROL

FA.2 ASPIRATING SYSTEM TO THE TOP OF LIFT SHAFTS

FA.3 FIRE ALARM INTERFACES SHALL BE CO-ORDINATED WITH LIFT CONTROL PANEL.

FA.4 AUTOMATIC DETECTION LOCATED OUTSIDE THE DOORS OF APARTMENTS CLOSES TO THE STAIRS, IN ACCORDANCE WITH THE FIRE STRATEGY.

FA.5 NON AUTOMATICALLY OPERATED ALARM SOUNDERS PROVIDED IN COMMON CORRIDORS IN ACCORDANCE WITH FIRE STRATEGY, SUBJECT TO CLIENT/OPERATOR APPROVAL.

FA.6 FIRE ALARM INTERFACE UNITS SHALL BE PROVIDED AND CO-ORDINATED WITH ACCESS CONTROL SYSTEM DOOR CONTROLLERS, LOCATED AT THE FOLLOWING LEVELS, 07, 11, 15, 19, 20, 24, 28, 32 & 36.

FA.7 FIRE FIGHTING COMMUNICATION SYSTEM IN ACCORDANCE WITH FIRE STRATEGY 5.5.2.2. THE INTENTION IS TO PROVIDE A TWO WAY COMMUNICATION SYSTEM Y AS PART OF THE DISABLED CALL SYSTEM.

ABBREVIATIONS

AOV - AUTOMATIC OPENING VENT
SVD - SMOKE VENT DAMPER
LA - LANDLORD/APARTMENTS
CV - LOCATED WITHIN CEILING VOID
IP - INDICATES IP RATING OF EQUIPMENT
DC - DOOR CONTROLLER
WM - WALL MOUNTED
HL - HIGH LEVEL
SFS - SPRINKLER FLOW SWITCH

ARCHITECTS DRAWING

XREF : 0BASE-103333-SHP-ZB-18-PL-A-G200-001_ZONE_B - GA PLANS LEVEL 18_STAGE 4 PRE CONSTRUCTION_P04_1.DWG

DATE X-REF CREATED : 11-01-2021

SCALE 1:100 — 1 0 1 2 3 4 5 m

GENERAL NOTES
1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, STRUCTURAL AND MEP DRAWINGS, DOCUMENTS, SPECIFICATIONS AND CONTRACT DOCUMENTS.

VERSION	DRWN	CHKD	AUTH	REASON FOR ISSUE	DATE
-	RB	CN	-	AS FITTED	28.03.2024
CO1				AS FITTED	

SUITABILITY CODE | SUITABILITY DESCRIPTION

Matic Building Services
Douglas House
Green Street
Wigan
WN3 4DQ

ASK / SALBOY

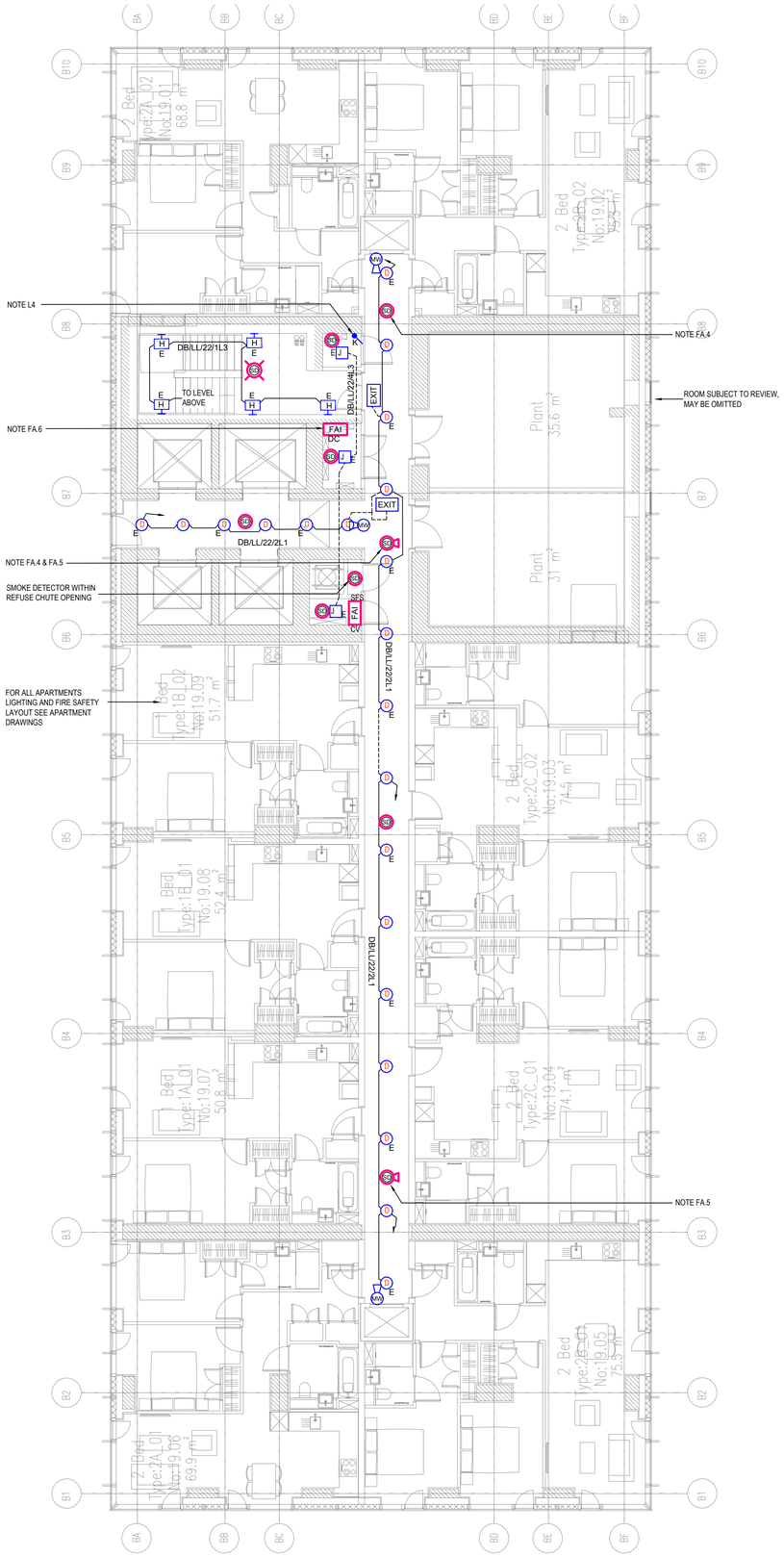
VIADUX

ELECTRICAL SERVICES

LIGHTING & FRE ALARM LAYOUT

LEVEL 18

SCALE	SHEET SIZE
1:100	A1
DRAWING NUMBER	REVISION
5013698-RDG-ZB-18-PL-E-0106	CR1



LIGHTING LEGEND

- C — CIRCULAR, CEILING SURFACE LED DOWNLIGHT (GENERAL/CIRCULATION AREAS)
- D — CIRCULAR, CEILING RECESSED LED DOWNLIGHT (COMMUNAL AREA)
- E1 — OVERDOOR EMERGENCY IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE
- F — CIRCULAR, RECESSED LED DOWNLIGHT IP65 RATED
- H E — WALL MOUNTED LED LUMINAIRE WITH 3HR EMERGENCY FACILITY (WITH INTEGRAL PIR)
- J — SURFACE MOUNTED BULKHEAD LED LUMINAIRE C/W INTEGRAL PIR
- K — IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE SUFFIX 'A' DENOTES ASYMMETRIC DISTRIBUTION
- x — 20A SINGLE POLE LIGHT SWITCH SUFFIX 'X' DENOTES THE NUMBER OF GANGS
- K — EMERGENCY LIGHTING TEST KEY SWITCH
- MCS — ENTRANCE/RECEPTION LIGHTING MASTER CONTROL STATION
- PD — LIGHTING PRESENCE DETECTOR (PIR) - LONG BEAM
- MW — MICROWAVE PRESENCE DETECTOR (PIR) - WALL / CEILING MOUNTED
- AD — ABSENCE DETECTOR (PIR) WITH PROTOCELL DIMMING
- EXIT — ILLUMINATED LED EMERGENCY EXIT SIGN, 3HR RATED
- ** — E DENOTES EMERGENCY 3 HOUR BATTERY BACKUP **
- CIRCUIT LINE
- SWITCH LINE

FIRE ALARM & DETECTION SYSTEM LEGEND

- FAP — FIRE ALARM PANEL
- FARP — FIRE ALARM REPEATER PANEL
- SD — SMOKE DETECTOR - CEILING MOUNTED
- SD — SMOKE DETECTOR WITH SOUNDER - CEILING MOUNTED
- SD — SMOKE DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- HD — HEAT DETECTOR WITH SOUNDER - CEILING MOUNTED
- HD — HEAT DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- FB — FIRE ALARM BEACON & SOUNDER
- MANUAL CALL POINT (BREAK GLASS)
- APARTMENT INTERFACE UNIT TO LINK APARTMENT FIRE ALARM SYSTEM TO LANDLORD'S SYSTEM TO NOTIFY MAIN PANEL WHEN ALARM IS ACTIVATED
- FAI — FIRE ALARM INTERFACE
- ASP — ASPIRATING SMOKE DETECTION SYSTEM
- ASPIRATING SYSTEM PIPEWORK

DISABLED REFUGE ALARM LEGEND

- MDRP — MAIN DISABLED REFUGE PANEL
- DRRP — DISABLED REFUGE REPEATER PANEL
- DRP — DISABLED REFUGE PANEL / OUTSTATION

ACCESSIBLE W.C. ALARM LEGEND

- AC — ALARM CONTROLLER
- OVERDOOR INDICATOR / SOUNDER UNIT
- CEILING MOUNTED / PULL CORD / ALARM WITH HIGH & LOW LEVEL HANDLES
- R — ALARM RESET UNIT

ARCHITECTS DRAWING

XREF : 0BASE-103333-SHP-ZB-19-PL-A-G200-100_ZONE_B - GA PLAN LEVEL 19_STAGE 4 PRE CONSTRUCTION_P06_1.DWG

DATE X-REF CREATED : 11-08-2021

SCALE 1:100

1 0 1 2 3 4 5 m

GENERAL NOTES
1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, STRUCTURAL AND MEP DRAWINGS, DOCUMENTS, SPECIFICATIONS AND CONTRACT DOCUMENTS.

VERSION	DRWN	CHKD	AUTH	REASON FOR ISSUE	DATE
-	RB	CN	-	AS FITTED	28.03.2024
CO1	AS FITTED				

SUITABILITY CODE	SUITABILITY DESCRIPTION

Matic Building Services
Douglas House
Green Street
Wigan
WN3 4DQ

ASK / SALBOY

VIADUX

ELECTRICAL SERVICES

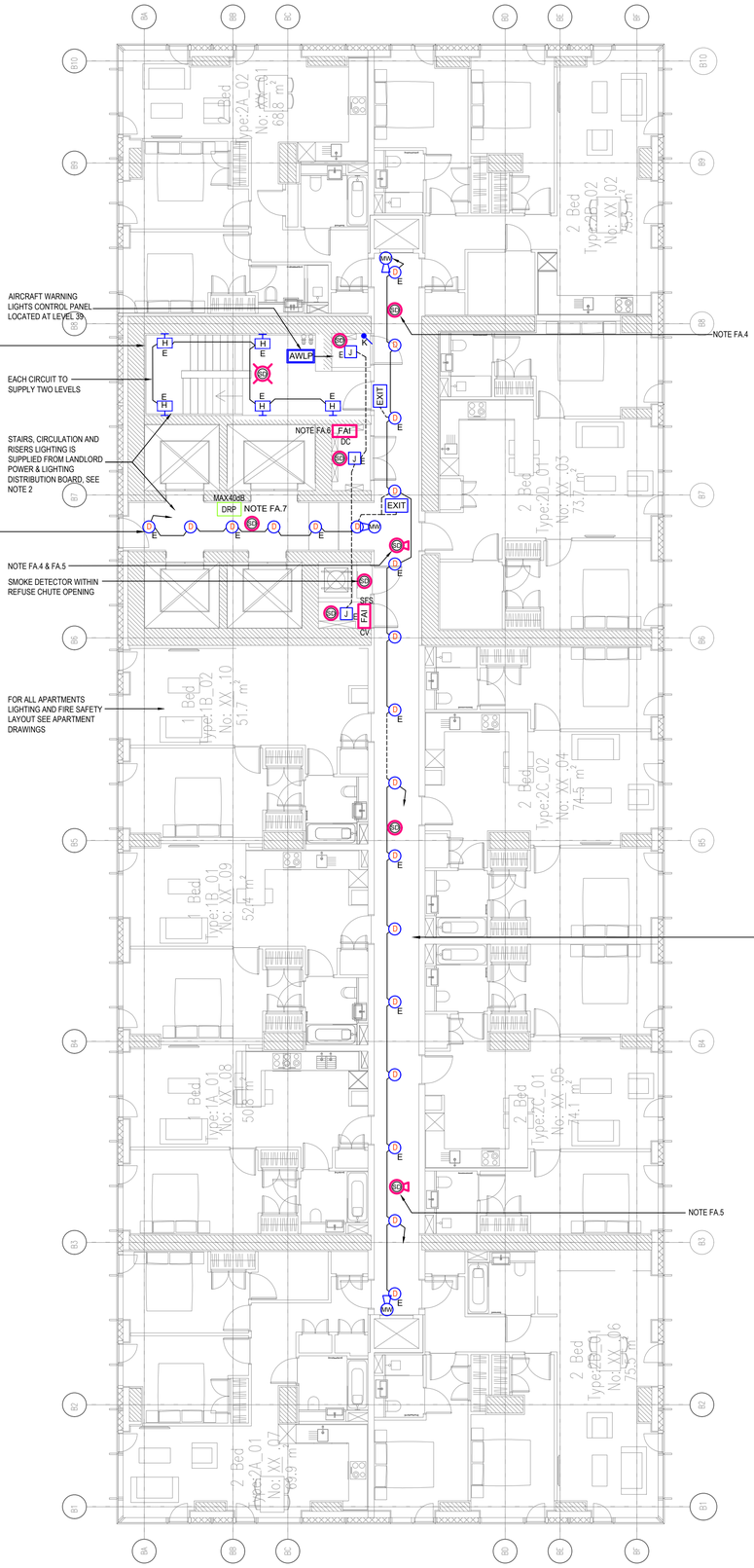
LIGHTING & FRE ALARM LAYOUT

LEVEL 19

SCALE	SHEET SIZE
1:100	A1
DRAWING NUMBER	REVISION
5013698-RDG-ZB-19-PL-E-0107	CR1

STAIR LIGHTING CIRCUITS	
CIRCUIT REFERENCE	LEVEL
DB/LL/1M/2L2	LEVEL 3 TO 4
DB/LL/08/1L3	LEVEL 5 to 6
DB/LL/08/2L2	LEVEL 7 to 8
DB/LL/08/1L1	LEVEL 9 to 11
DB/LL/15/1L3	LEVEL 12 to 14
DB/LL/15/2L2	LEVEL 15 to 16
DB/LL/15/1L1	LEVEL 17 to 18
DB/LL/22/1L3	LEVEL 19 to 20
DB/LL/22/2L2	LEVEL 21 to 23
DB/LL/22/1L1	LEVEL 24 to 25
DB/LL/29/1L3	LEVEL 26 to 27
DB/LL/29/2L2	LEVEL 28 to 29
DB/LL/29/1L1	LEVEL 30 to 32
DB/LL/36/1L3	LEVEL 33 to 35
DB/LL/36/2L2	LEVEL 36 to 38
DB/LL/36/1L1	LEVEL 39 to 40

RISER LIGHTING CIRCUITS	
CIRCUIT REFERENCE	LEVEL
DB/LL/1M/5L3	LEVEL4
DB/LL/08/4L3	LEVEL 5
DB/LL/08/5L1	LEVEL 6
DB/LL/08/5L2	LEVEL 7
DB/LL/08/5L3	LEVEL 8
DB/LL/08/6L1	LEVEL 9
DB/LL/08/7L1	LEVEL 10
DB/LL/08/7L2	LEVEL 11
DB/LL/15/4L3	LEVEL 12
DB/LL/15/5L1	LEVEL 13
DB/LL/15/5L2	LEVEL 14
DB/LL/15/5L3	LEVEL 15
DB/LL/15/6L1	LEVEL 16
DB/LL/15/7L1	LEVEL 17
DB/LL/15/7L2	LEVEL 18
DB/LL/22/5L1	LEVEL 20
DB/LL/22/5L2	LEVEL 21
DB/LL/22/5L3	LEVEL 22
DB/LL/22/6L1	LEVEL 23
DB/LL/22/7L1	LEVEL 24
DB/LL/22/7L2	LEVEL 25
DB/LL/29/4L3	LEVEL 26
DB/LL/29/5L1	LEVEL 27
DB/LL/29/5L2	LEVEL 28
DB/LL/29/5L3	LEVEL 29
DB/LL/29/6L1	LEVEL 30
DB/LL/29/7L1	LEVEL 31
DB/LL/29/7L2	LEVEL 32
DB/LL/36/4L3	LEVEL 33
DB/LL/36/5L1	LEVEL 34
DB/LL/36/5L2	LEVEL 35
DB/LL/36/5L3	LEVEL 36
DB/LL/36/6L1	LEVEL 37
DB/LL/36/7L1	LEVEL 38
DB/LL/36/7L2	LEVEL 39



LIGHTING LEGEND

- C — CIRCULAR, CEILING SURFACE LED DOWNLIGHT (GENERAL/CIRCULATION AREAS)
- D — CIRCULAR, CEILING RECESSED LED DOWNLIGHT (COMMUNAL AREA)
- E — OVERDOOR EMERGENCY IP65 SURFACE MOUNTED LINEAR LED LUMINAIRE
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- H — WALL MOUNTED LED LUMINAIRE WITH 3HR EMERGENCY FACILITY (WITH INTEGRAL PIR)
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- X — 20A SINGLE POLE LIGHT SWITCH SUFFIX 'X' DENOTES THE NUMBER OF GANGS
- K — EMERGENCY LIGHTING TEST KEY SWITCH
- MCS — ENTRANCE/RECEPTION LIGHTING MASTER CONTROL STATION
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- MW — MICROWAVE PRESENCE DETECTOR (PIR) - WALL / CEILING MOUNTED
- AD — ABSENCE DETECTOR (PIR) WITH PROTOCELL DIMMING
- EXIT — ILLUMINATED LED EMERGENCY EXIT SIGN, 3HR RATED
- ** — E DENOTES EMERGENCY 3 HOUR BATTERY BACKUP **
- CIRCUIT LINE
- SWITCH LINE

FIRE ALARM & DETECTION SYSTEM LEGEND

- FAP — FIRE ALARM PANEL
- FARP — FIRE ALARM REPEATER PANEL
- SD — SMOKE DETECTOR - CEILING MOUNTED
- SDS — SMOKE DETECTOR WITH SOUNDER - CEILING MOUNTED
- SDB — SMOKE DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- HD — HEAT DETECTOR WITH SOUNDER - CEILING MOUNTED
- HDB — HEAT DETECTOR WITH SOUNDER & BEACON - CEILING MOUNTED
- FB — FIRE ALARM BEACON & SOUNDER
- MANUAL CALL POINT (BREAK GLASS)
- APARTMENT INTERFACE UNIT TO LINK APARTMENT FIRE ALARM SYSTEM TO LANDLORD'S SYSTEM TO NOTIFY MAIN PANEL WHEN ALARM IS ACTIVATED
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- OVERDOOR INDICATOR / SOUNDER UNIT
- CEILING MOUNTED / PULL CORD / ALARM WITH HIGH & LOW LEVEL HANDLES
- R — ALARM RESET UNIT

LIGHTING NOTES

L1. REFER TO LUMINAIRE SCHEDULE FOR FURTHER DETAILS ON LUMINAIRES
L2. STAIR CONTROLLED VIA CONTACTOR . STAIR CONTROL ARRANGEMENT.
- BASEMENT, GROUND & MEZZANINE FLOOR
- LEVEL 1 TO 4
- THEN EVERY 6 FLOOR THEREAFTER

L3. REFER TO DISTRIBUTION BOARD SCHEDULE FOR CIRCUITING INFORMATION.
L4. EMERGENCY LIGHTING TEST KEY SWITCH LOCATION. FOR LANDLORDS AREA AT EACH FLOOR LEVEL. TEST KEY SWITCH SHALL BE PROVIDED PER EACH LIGHTING CIRCUIT.
L5. CORRIDORS AND STAIRS LIGHTING TO AUTOMATICALLY DIM/SETBACK TO 10% ILLUMINATION IN ABSENCE OF RESIDENTS.

FIRE ALARM NOTES

FA.1 FIRE ALARM TO INTERFACE WITH THE FOLLOWING:
- SPRINKLER SYSTEM
- 2No SMOKE VENT MOTORISED DAMPERS @ EACH LEVEL
- LIFT LOBBY AOV @ EACH LEVEL
- ALL ACCESS CONTROL

FA.2 ASPIRATING SYSTEM TO THE TOP OF LIFT SHAFTS
FA.3 FIRE ALARM INTERFACES SHALL BE CO-ORDINATED WITH LIFT CONTROL PANEL
FA.4 AUTOMATIC DETECTION LOCATED OUTSIDE THE DOORS OF APARTMENTS CLOSES TO THE STAIRS, IN ACCORDANCE WITH THE FIRE STRATEGY.
FA.5 NON AUTOMATICALLY OPERATED ALARM SOUNDERS PROVIDED IN COMMON CORRIDORS IN ACCORDANCE WITH FIRE STRATEGY, SUBJECT TO CLIENT/OPERATOR APPROVAL.
FA.6 FIRE ALARM INTERFACE UNITS SHALL BE PROVIDED AND CO-ORDINATED WITH ACCESS CONTROL SYSTEM DOOR CONTROLLERS, LOCATED AT THE FOLLOWING LEVELS, 07, 11, 15, 19, 20, 24, 28, 32 & 36.
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ABBREVIATIONS

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SVD - SMOKE VENT DAMPER
LA - LANDLORD/APARTMENTS
CV - LOCATED WITHIN CEILING VOID
IP - INDICATES IP RATING OF EQUIPMENT
DC - DOOR CONTROLLER
WM - WALL MOUNTED
HL - HIGH LEVEL
SFS - SPINKLER FLOW SWITCH
AWLP - AIRCRAFT WARNING LIGHTS CONTROL PANEL

LIGHTING CIRCULATION CIRCUITS	
CIRCUIT REFERENCE	LEVEL
DB/LL/1M/4L1	LEVEL 4
DB/LL/08/1L2	LEVEL 5
DB/LL/08/1L1	LEVEL 6
DB/LL/08/3L1	LEVEL 7
DB/LL/08/3L2	LEVEL 8
DB/LL/08/3L3	LEVEL 9
DB/LL/08/4L1	LEVEL 10
DB/LL/08/4L2	LEVEL 11
DB/LL/15/1L2	LEVEL 12
DB/LL/15/2L1	LEVEL 13
DB/LL/15/3L1	LEVEL 14
DB/LL/15/3L2	LEVEL 15
DB/LL/15/3L3	LEVEL 16
DB/LL/15/4L1	LEVEL 17
DB/LL/22/1L2	LEVEL 20
DB/LL/22/3L1	LEVEL 21
DB/LL/22/3L2	LEVEL 22
DB/LL/22/3L3	LEVEL 23
DB/LL/22/4L1	LEVEL 24
DB/LL/22/4L2	LEVEL 25
DB/LL/29/1L2	LEVEL 26
DB/LL/29/2L1	LEVEL 27
DB/LL/29/3L1	LEVEL 28
DB/LL/29/3L2	LEVEL 29
DB/LL/29/3L3	LEVEL 30
DB/LL/29/4L1	LEVEL 31
DB/LL/29/4L2	LEVEL 32
DB/LL/36/1L2	LEVEL 33
DB/LL/36/2L3	LEVEL 34
DB/LL/36/3L1	LEVEL 35
DB/LL/36/3L2	LEVEL 36
DB/LL/36/3L3	LEVEL 37
DB/LL/36/4L1	LEVEL 38
DB/LL/36/4L2	LEVEL 39

ARCHITECTS DRAWING
XREF : 0BASE-103333-SHP-ZB-TY-PL-A-ZONE_B - GA PLAN LEVELS 04-17 & LEVELS 20-39_STAGE 4 PRE CONSTRUCTION_P06_1.DWG
DATE X-REF CREATED : 11-08-2021

1 0 1 2 3 4 5
SCALE 1:100 m

GENERAL NOTES
1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, STRUCTURAL AND MEP DRAWINGS, DOCUMENTS, SPECIFICATIONS AND CONTRACT DOCUMENTS.

VERSION	DRWN	CHKD	AUTH	REASON FOR ISSUE	DATE
-	RB	CN	-	AS FITTED	28.03.2024
CO1				AS FITTED	

SUITABILITY CODE	SUITABILITY DESCRIPTION

Matic Building Services
Douglas House
Green Street
Wigan
WN3 4DQ

ASK / SALBOY

VIADUX

ELECTRICAL SERVICES

LIGHTING & FRE ALARM LAYOUT

LEVEL 04 TO 17 & 20 TO 39

SCALE	SHEET SIZE
1:100	A1
DRAWING NUMBER	REVISION
5013698-RDG-ZB-XX-PL-E-0105	CR1

SLOT SITE

PHASE 01

NOTE EL.4

DB/EXT/FP01/3L1

EX-J

EX-D

EX-J DB/EXT/FP01/2L2

NOTE EL.2

EX-B

NOTE EL.5

EX-C

DB/EXT/01/4L1

EX-B

EX-F

JB IP65

NOTE EL.4

PC

EX-J

DB/EXT/FP01/3L2

EX-D

DB/EXT/FP01/2L1

NOTE EL.5

EX-D

EX-J

FP '1'

DB/EXT/FP01/1L123

FEEDER PILLAR EXTERNALY FED-UTILITY SUPPLY-WITH FEEDER PILLAR SUPPLING 'SLOT SITE' ELECTRICAL SERVICES

SQUARE LUMINAIRES RECESSED TO THE UNDERSIDE OF THE EXTERNAL STAIRS LANDINGS. SEE IMAGE ADJACENT AND SEE PLAN A

LIFT SUPPLY

EXTERNAL STAIRS

DB/EXT/01/3L3

EX-A

DB/EXT/01/2L1

DB/EXT/01/3L9

DB/EXT/01/5L1

EX-C

C1 C2 C3

EX-B

EX-A

DB/LL/1M/1L1

NOTE:

1. THE LIFT SHALL BE PROVIDED COMPLETE WITH GSM AND EMERGENCY CALL FACILITY, WITH ASSOCIATED BATTERY BACK UP.
2. LIFT SHAFT TO BE PROVIDED WITH SMOKE HEAD AND CONNECTED TO FIRE ALARM SYSTEM FIRE ALARM CODE EN81-73.
3. LIGHTING TO STAIRS ADJACENT TO THE LIFT, TO BE FURTHER DEVELOPED IN AGREEMENT WITH THE ARCHITECT.

DB/EXT/01/5L2

DB/EXT/01/4L3

DB/EXT/01/4L2

DB/EXT/01/3L2
NOTE EL2

DB/EXT/01/1L1

DB/EXT/01/3L3

DB/EXT/01/5L3

DB/EXT/01/1L2

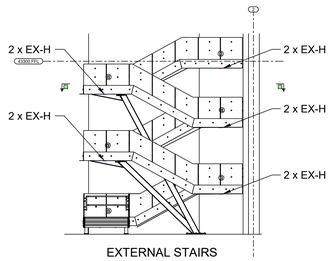
DB/EXT/01/2L2

E1

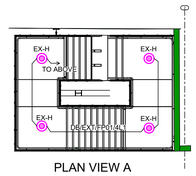
NOTE EL.9

DB/LL/1M/3L1

EX-G



EXTERNAL STAIRS



PLAN VIEW A

FOR CONTINUATION REFER TO DRAWING
5013698-RDG-ZB-01-PL-E-01-PL-E-3703

ARCHITECTS DRAWING
XREF : 0XWSE~ VA-PLA-XX-XX-DR-L-4002-P03
EXTERNAL EXISTING
DATE X-REF CREATED :18-05-2021

SCALE 1:100

GENERAL NOTES

1. DO NOT SCALE FROM THIS DRAWING
2. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED
3. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL, STRUCTURAL AND MEP DRAWINGS, DOCUMENTS, SPECIFICATIONS AND CONTRACT DOCUMENTS.

EXTERNAL LIGHTING NOTES

EL.1 - REFER TO LUMINAIRE SCHEDULE FOR FURTHER DETAILS ON LUMINAIRES.

EL.2 - UPLIGHTERS TO BE CO-ORDINATED WITH AND LOCATED UNDER TREES.

EL.3 - FURTHER REFER TO EXTERNAL SERVICES DRAWING FOR PROPOSED CABLE ROUTING, DUCTS, DRAW PITS ETC.

EL.4 - ALL EXTERNAL LIGHTING SHALL BE TIME CLOCK, PHOTO-CELL & CONTACTOR CONTROLLED WITH MASTER OVERRIDE SWITCH / PER LIGHTING CIRCUIT. PRECISE DETAILS SHALL BE AGREED WITH THE PROJECT ADMINISTRATOR & SERVICES ENGINEER.

EL.5 - STAIR UPLIGHTER LOCATION IS INDICATIVE AND THE PRECISE LOCATION SHALL BE AGREED WITH THE ARCHITECT.

EL.6 - JOINT BOX MOUNTED WITHIN PLANTER, OR OTHER SUITABLE ALTERNATIVE LOCATION FOR FINAL CIRCUIT ELV CABLING DISTRIBUTION FROM JOINT BOX TO STRIP LIGHTS.

EL.7 - ALL ELV CABLING TO / BETWEEN THE LUMINAIRES SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURERS RECOMENDATIONS.

EL.8 - WHERE LUMINAIRES ARE MOUNTED IN 'SOFT' THEY SHALL BE MOUNTED ON A GROUND STAKE TYPE MOUNTING BRACKET OR SIMILIAR.

EL.9 - EXTERNAL EMERGENCY LUMINAIRES TO ILLUMINATE THE ESCAPE ROUTE IN ACCORDANCE WITH THE FIRE STRATEGY & BS5266

LV DISTRIBUTION NOTES

LVD.1 - FEEDER PILLAR LOCATION IS INDICATIVE AND SUBJECT TO DESIGN DEVELOPMENT.

EXTERNAL LIGHTING LEGEND

EX-A — EXTERNAL LIGHTING BOLLARD

EX-B — RECESSED FLOOR MOUNTED LED LUMINARE UPLIGHT (TREES)

EX-C — EXTERNAL LIGHTING COLUMN
MULTI-HEAD C1 @ 5.0m, C2 @ 4.5m, C3 @ 4.0m

EX-D — RECESSED FLOOR MOUNTED LED LUMINARE

EX-F — RECESSED STRIP LIGHT, TO TOP EDGE OF SELECTED PLANTER AND SEATING PLINTHS. RGB LED.

EX-G — EXTERNAL LIGHTING COLUMN

EX-H — EXTERNAL RECESSED DOWN LIGHTING

EX-J — EXTERNAL WALL MOUNTED LUMINARE

E1 — EXTERNAL WALL MOUNTED EMERGENCY LUMINARE

PC — PHOTOCELL (PRECISE LOCATION TO BE AGREED AND DETERMINED ON SITE)

EX-T — BESPOKE TOTEM SIGNAGE, INTERNALY ILLUMINATED AND SUBJECT TO DETAILED DESIGN.

FP '1' — EXTERNAL FEEDER PILLAR

VERSION	DRWN	CHKD	AUTH	REASON FOR ISSUE	DATE
-	RB	CN	-	AS FITTED	21.03.2024
CR1				AS FITTED	

SUITABILITY CODE	SUITABILITY DESCRIPTION

Matic Building Services
Douglas House
Green Street
Wigan
WN3 4DQ

ASK / SALBOY

ABERLA, VIADUX

ELECTRICAL SERVICES

EXTERNAL LIGHTING LAYOUT

LEVEL 00 & 01

SCALE	SHEET SIZE
1:100	A0
DRAWING NUMBER	REVISION
5013698-RDG-ZB-XX-PL-E-0372	CR1

SLOT SITE

PHASE 01

NOTE EL.4

DB/EXT/FP01/3L1

EX-J

EX-D

EX-J DB/EXT/FP01/2L2

NOTE EL.2

EX-B

NOTE EL.5

EX-C

DB/EXT/01/4L1

EX-B

EX-F

JB IP65

NOTE EL.4

PC

EX-J

DB/EXT/FP01/3L2

EX-D

DB/EXT/FP01/2L1

NOTE EL.5

EX-D

EX-J

FP '1'

DB/EXT/FP01/1L123

FEEDER PILLAR EXTERNALY FED-UTILITY SUPPLY-WITH FEEDER PILLAR SUPPLING 'SLOT SITE' ELECTRICAL SERVICES

SQUARE LUMINAIRES RECESSED TO THE UNDERSIDE OF THE EXTERNAL STAIRS LANDINGS. SEE IMAGE ADJACENT AND SEE PLAN A

LIFT SUPPLY

EXTERNAL STAIRS

DB/EXT/01/3L3

EX-A

DB/EXT/01/2L1

DB/EXT/01/3L9

DB/EXT/01/5L1

EX-C

C1 C2 C3

EX-B

EX-A

DB/LL/1M/1L1

NOTE:

1. THE LIFT SHALL BE PROVIDED COMPLETE WITH GSM AND EMERGENCY CALL FACILITY, WITH ASSOCIATED BATTERY BACK UP.
2. LIFT SHAFT TO BE PROVIDED WITH SMOKE HEAD AND CONNECTED TO FIRE ALARM SYSTEM FIRE ALARM CODE EN81-73.
3. LIGHTING TO STAIRS ADJACENT TO THE LIFT, TO BE FURTHER DEVELOPED IN AGREEMENT WITH THE ARCHITECT.

DB/EXT/01/5L2

DB/EXT/01/4L3

DB/EXT/01/4L2

DB/EXT/01/3L2
NOTE EL2

DB/EXT/01/1L1

DB/EXT/01/3L3

DB/EXT/01/5L3

DB/EXT/01/1L2

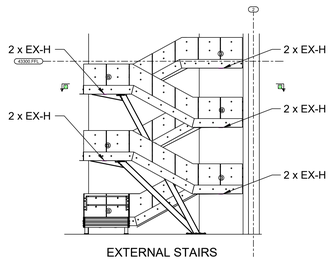
DB/EXT/01/2L2

E1

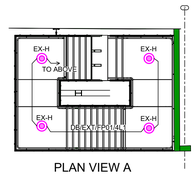
NOTE EL.9

DB/LL/1M/3L1

EX-G



EXTERNAL STAIRS



PLAN VIEW A

FOR CONTINUATION REFER TO DRAWING
5013698-RDG-ZB-01-PL-E-01-PL-E-3703

ARCHITECTS DRAWING
XREF : 0XWSE~ VA-PLA-XX-XX-DR-L-4002-P03
EXTERNAL EXISTING
DATE X-REF CREATED :18-05-2021

SCALE 1:100

GENERAL NOTES

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EXTERNAL LIGHTING NOTES

EL.1 - REFER TO LUMINAIRE SCHEDULE FOR FURTHER DETAILS ON LUMINAIRES.

EL.2 - UPLIGHTERS TO BE CO-ORDINATED WITH AND LOCATED UNDER TREES.

EL.3 - FURTHER REFER TO EXTERNAL SERVICES DRAWING FOR PROPOSED CABLE ROUTING, DUCTS, DRAW PITS ETC.

EL.4 - ALL EXTERNAL LIGHTING SHALL BE TIME CLOCK, PHOTO-CELL & CONTACTOR CONTROLLED WITH MASTER OVERRIDE SWITCH / PER LIGHTING CIRCUIT. PRECISE DETAILS SHALL BE AGREED WITH THE PROJECT ADMINISTRATOR & SERVICES ENGINEER.

EL.5 - STAIR UPLIGHTER LOCATION IS INDICATIVE AND THE PRECISE LOCATION SHALL BE AGREED WITH THE ARCHITECT.

EL.6 - JOINT BOX MOUNTED WITHIN PLANTER, OR OTHER SUITABLE ALTERNATIVE LOCATION FOR FINAL CIRCUIT ELV CABLING DISTRIBUTION FROM JOINT BOX TO STRIP LIGHTS.

EL.7 - ALL ELV CABLING TO / BETWEEN THE LUMINAIRES SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURERS RECOMENDATIONS.

EL.8 - WHERE LUMINAIRES ARE MOUNTED IN 'SOFT' THEY SHALL BE MOUNTED ON A GROUND STAKE TYPE MOUNTING BRACKET OR SIMILIAR.

EL.9 - EXTERNAL EMERGENCY LUMINAIRES TO ILLUMINATE THE ESCAPE ROUTE IN ACCORDANCE WITH THE FIRE STRATEGY & BS5266

LV DISTRIBUTION NOTES

LVD.1 - FEEDER PILLAR LOCATION IS INDICATIVE AND SUBJECT TO DESIGN DEVELOPMENT.

EXTERNAL LIGHTING LEGEND

EX-A — EXTERNAL LIGHTING BOLLARD

EX-B — RECESSED FLOOR MOUNTED LED LUMINARE UPLIGHT (TREES)

EX-C — EXTERNAL LIGHTING COLUMN
MULTI-HEAD C1 @ 5.0m, C2 @ 4.5m, C3 @ 4.0m

EX-D — RECESSED FLOOR MOUNTED LED LUMINARE

EX-F — RECESSED STRIP LIGHT, TO TOP EDGE OF SELECTED PLANTER AND SEATING PLINTHS. RGB LED.

EX-G — EXTERNAL LIGHTING COLUMN

EX-H — EXTERNAL RECESSED DOWN LIGHTING

EX-J — EXTERNAL WALL MOUNTED LUMINARE

E1 — EXTERNAL WALL MOUNTED EMERGENCY LUMINARE

PC — PHOTOCELL (PRECISE LOCATION TO BE AGREED AND DETERMINED ON SITE)

EX-T — BESPOKE TOTEM SIGNAGE, INTERNALY ILLUMINATED AND SUBJECT TO DETAILED DESIGN.

FP '1' — EXTERNAL FEEDER PILLAR

VERSION	DRWN	CHKD	AUTH	REASON FOR ISSUE	DATE
-	RB	CN	-	AS FITTED	21.03.2024
CR1				AS FITTED	

SUITABILITY CODE	SUITABILITY DESCRIPTION

Matic Building Services
Douglas House
Green Street
Wigan
WN3 4DQ

ASK / SALBOY

ABERLA, VIADUX

ELECTRICAL SERVICES

EXTERNAL LIGHTING LAYOUT

LEVEL 00 & 01

SCALE	SHEET SIZE
1:100	A0
DRAWING NUMBER	REVISION
5013698-RDG-ZB-XX-PL-E-0372	CR1

SLOT SITE

PHASE 01

NOTE EL.4

DB/EXT/FP01/3L1

EX-J

EX-J DB/EXT/FP01/2L2

NOTE EL.2

EX-B

EX-D

NOTE EL.5

EX-C

DB/EXT/01/4L1

DB/EXT/FP01/3L2

DB/EXT/FP01/2L1

NOTE EL.5

EX-D

EX-J

FP '1'

DB/EXT/FP01/1L23

DB/EXT/01/3L3

FEEDER PILLAR EXTERNALY FED-UTILITY SUPPLY-WITH FEEDER PILLAR SUPPLING 'SLOT SITE' ELECTRICAL SERVICES

SQUARE LUMINAIRES RECESSED TO THE UNDERSIDE OF THE EXTERNAL STAIRS LANDINGS. SEE IMAGE ADJACENT AND SEE PLAN A



EXTERNAL STAIRS

LIFT SUPPLY

NOTE:

1. THE LIFT SHALL BE PROVIDED COMPLETE WITH GSM AND EMERGENCY CALL FACILITY, WITH ASSOCIATED BATTERY BACK UP.
2. LIFT SHAFT TO BE PROVIDED WITH SMOKE HEAD AND CONNECTED TO FIRE ALARM SYSTEM FIRE ALARM CODE EN81-73.
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DB/EXT/01/5L1

DB/LL/1M/1L1

DB/EXT/01/5L2

DB/EXT/01/4L3

DB/EXT/01/4L2

DB/EXT/01/3L2
NOTE EL2

DB/EXT/01/1L1

DB/EXT/01/3L3

DB/EXT/01/5L3

DB/EXT/01/3L2
NOTE EL2

DB/EXT/01/1L2

DB/EXT/01/2L2

DB/EXT/01/2L1

DB/EXT/01/3L3

DB/LL/1M/3L1

NOTE EL.9

DB/EXT/01/1L2

Residential Workspace 60 m²

Second Residential Lobby 63 m²

Residential Refuse Store 77 m²

Residential Loading Bay

Security Gatehouse 6 m²

Manchester Central Recycling Store 218 m²

Plant 26 m²

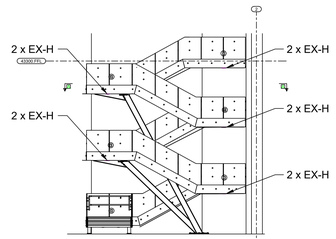
Plant 12 m²

Bollards in line of security gatehouse window

Dome to centre post provision. Possible two skylights between each column.

See store plans in relation to skylights and column grid

FOR CONTINUATION REFER TO DRAWING 5013698-RDG-ZB-01-PL-E-01-PL-E-3703



EXTERNAL STAIRS



PLAN VIEW A

ARCHITECTS DRAWING
XREF : ISSUE- XW-PLA-XX-XX-DR-L-4002-P03
EXTERNAL DUCTING
DATE X-REF CREATED :18-05-2021

SCALE 1:100

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DRAWING NOTES:

CDM REGULATIONS 2015
SIGNIFICANT OR UNUSUAL HAZARDOUS RISKS WHICH ARE DIFFICULT TO MANAGE ARE IDENTIFIED ON THIS DRAWING USING THE FOLLOWING SYMBOL IDENTIFIED TO THE RIGHT WITH BRIEF ACCOMPANYING TEXT. FOR FURTHER DETAILS OF THE RISKS IDENTIFIED BY DESIGNERS, REFERENCE SHOULD BE MADE TO CDM HAZARD REGISTER.

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EX-T	BESPOKE TOTEM SIGNAGE, INTERNALY ILLUMINATED AND SUBJECT TO DETAILED DESIGN.
FP '1'	EXTERNAL FEEDER PILLAR

REV	DESCRIPTION	DATE	BY	CHKD
C2	COMMENTS INCORPORATED	23.03.2022	KA	CN
C1	CONTRACT ISSUE	03.09.2021	MT	CN

ORIGINATOR:

RIDGE
PROPERTY & CONSTRUCTION CONSULTANTS

BELVEDERE HOUSE, 5TH FLOOR
12 BOOTH STREET
MANCHESTER
M2 4AW

TEL: 0161 833 9579
FAX: 01993 815001
WWW.RIDGE.CO.UK

CLIENT:
ASK / SALBOY

IN ASSOCIATION WITH:
ABERLA

PROJECT:
VIADUX

TITLE:
EXTERNAL LIGHTING LAYOUT
LEVEL 00 & 01

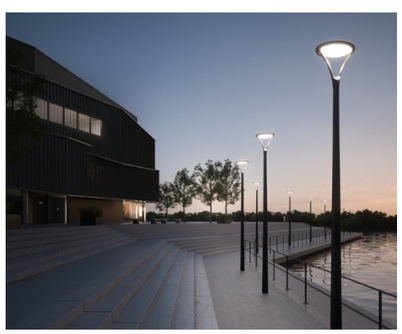
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CHECKED BY:	CN	DATE: 03.09.2021	

STATUS: STAGE 4

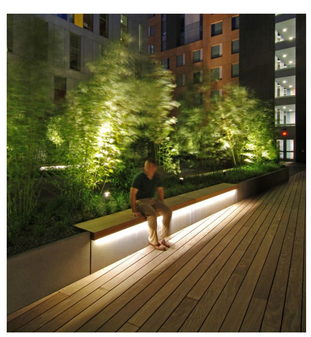
DRAWING No:

PROJECT:	ORG	ZONE	LEVEL	TYPE	ROLE	NUMBER	REV:
5013698	RDG	ZB	XX	PL	E	3702	C2





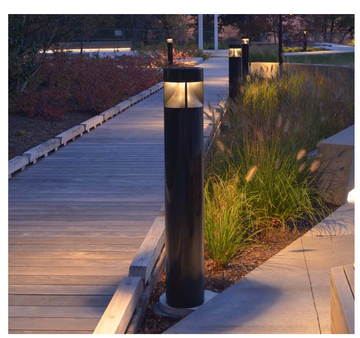
LIGHTING COLUMNS



STRIP LIGHTING



UPLIGHTERS



LIGHTING BOLLARDS

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NOTES:
1. Do not scale from this drawing.
2. Always work to noted dimensions.
3. All dimensions are in millimetres unless otherwise stated.
4. All setting out, levels and dimensions to be agreed on site.
5. The dimensions of all materials must be checked on site before being laid out.
6. This drawing must be read with the relevant specification clauses and detail drawings.
7. Order of construction and setting out to be agreed on site.

KEY

LIGHTING KEY

A **Bollard Lighting**
Product: Arcluce Klou / Kubix or similar and approved.
Low level lighting
Size: 1000mmH x 180mmdia.
Colour: Powder coated RAL 7016.
Fixing: Plate mounted below ground to engineer's detail.
Supplier: Kingfisher Lighting

B **Recessed Strip Lighting**
To top edge of selected planters and seating plinths. To be recessed below folded edges.
Frameless finish with edge to edge continous illumination
RGB LED with fixed colour. Colour TBC.
Design: To provide a subtle glow rather than provide illumination.

C **Small Multi Direction Lighting Columns**
Product: Arya,
Size: 5m height.
Colour: RAL 7016.
Fixing: Plate mounted below ground to engineer's detail.
Supplier: Kingfisher Lighting.

D **Uplighters**
To trees and underside of slot site stairs
Directional, soft diffused light.

E1 **City Wide Totem Signage**
Product: 'Greater Manchester Connected Wayfinding - Secondary Totem'
Size: 400mmW x 90mmD x 2500mmH.
Internally illuminated.
Fixing to engineer's specification.
Supplier: Weston Williamson + Partners
Detailed design by others.

E2 **Brand Touch Point Totem**
Material: Corten Steel
Size: 400mmW x 90mmD x 1500mmH
Internally illuminated.
Fixing to engineer's specification.
Supplier: IS Group or similar and approved.

F **Feeder Pillar**
Dimensions: 800mmW x 250mmD x 1194mmH.
Colour: RAL TBC - to match stair steelwork.
Exact location within blue dotted line subject to confirmation on relocation of existing feeder pillars.

G **Wall-mounted luminaire Lighting.**
To hoarding line at ground level.
Directional, soft diffused light.
Supplier: Bega or similar and approved.
Product: 22242 K3 or similar and approved.

Existing Traffic Light Control Box and Associated Pillars.
Retention / Removal to be confirmed.
Location taken from topo survey.

Existing Feeder Pillars.
To be removed.
Location taken from topo survey.

Refer to NBS section V91

Revision	Date	Description	Drawn	Apprvd.
D4-C03	14.03.24	For construction	TF	KR
D4-C02	11.04.22	For construction	TF	KR
D4-C01	04.02.22	For construction	TF	KR
S1-P09	28.01.22	For coordination	TF	KR
S2-P08	13.01.22	For information	TF	KR
S1-P07	04.11.21	Stage 4+	TF	KR
S2-P06	17.06.21	For information	TF	KR
D4-C01	04.02.22	For construction	TF	KR
S1-P05	10.06.21	Draft Tender	TF	KR
P04	12.04.21	Reference to in-ground lighting omitted from key. Reference images added	TF	KR
P03	26.03.21	Design update	TF	KR
P02	11.02.21	Design update	TF	KR
P01	18.06.20	Planning Issue	TF	KR

Planit I.E. Limited
E: info@planit-ie.com **W:** planit-ie.com
MANCHESTER
2 Back Grafton St , Altrincham, WA14 1DY
T: 0161 928 9281
LONDON
Unit 6 Waterside, 44-48 Wharf Road, London, N1 7UX
T: 0207 253 5678
LIVERPOOL
Tempest 5.3, 12 Tithebarn Street, Liverpool, L2 2DT
T: 0151 363 1230

Client ASK

Project Viadux, Greater Bridgewater Street Stair and Lift

Drg Title Lighting Strategy - Phase 1

Created on	Created by	Approved by
18-06-20	TF	KR

Scale	Size	Workstage
1:200	A1	Stage 5

Drg No.	Suitability	Revision
VIA-PLA-XX-XX-DR-L-4002	D4	C03

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