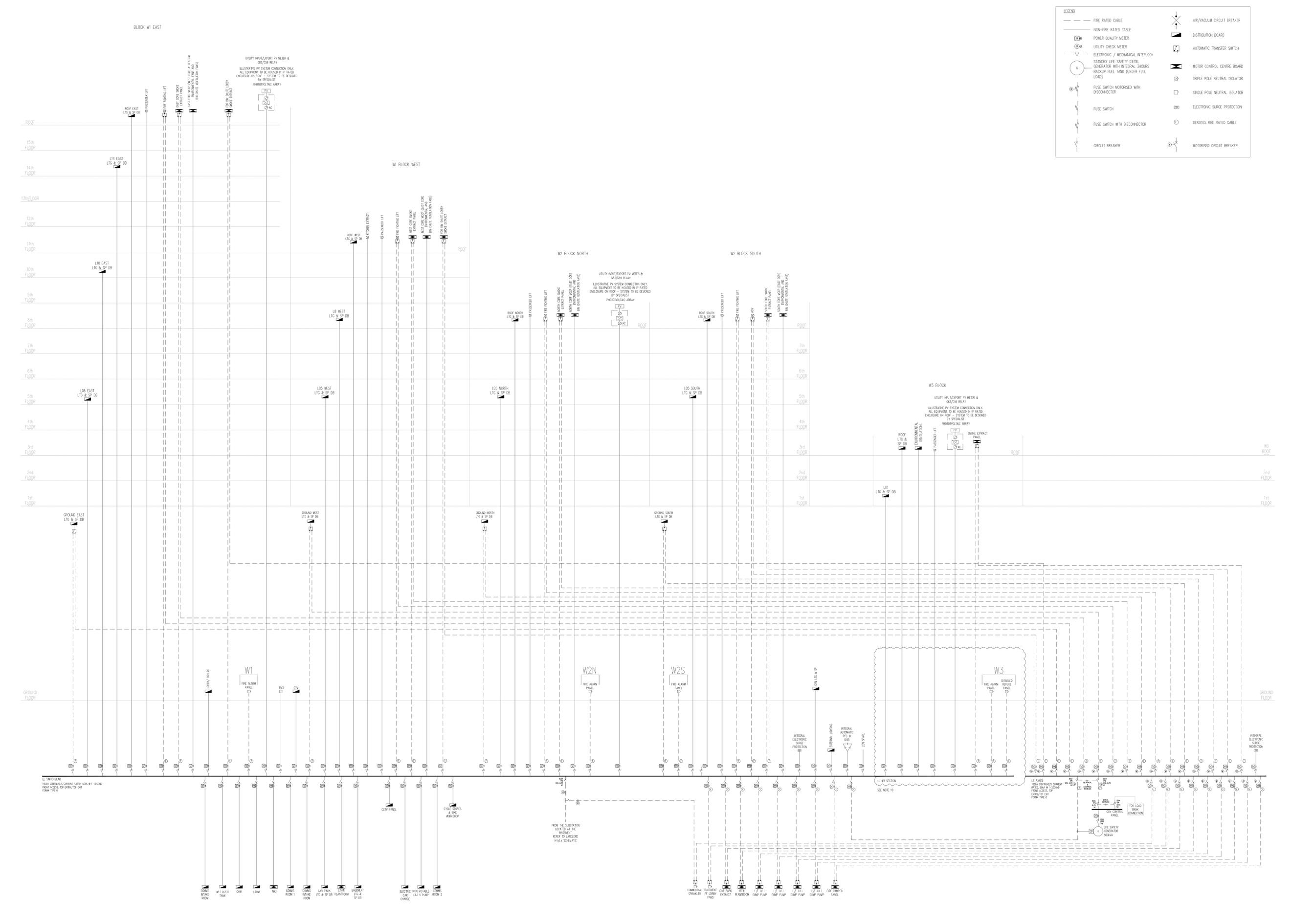


This drawing shall not be scaled.
Work from the dimensions shown in this drawing or given in relevant specifications.



CDM Regulations:
In addition to any information included in this drawing or the model from which it is derived, refer also to the project CDM Risk Register for information on residual risks.

General Notes:

- The drawing does not necessarily show all the information needed to interpret the design intent or the construction details.
- The drawing contains information from more than one source and must be read in conjunction with all relevant specifications.
- Any apparent drafting errors and differences between other drawings and specifications shall be brought to our attention.

- Project Notes:**
- DO NOT SCALE FROM THIS DRAWING.
 - THIS SCHEMATIC IS INDICATIVE AND IS TO BE READ IN CONJUNCTION WITH ALL OTHER DRAWINGS.
 - ALL QUANTITIES INDICATED ON THE LAYOUT ARE INDICATIVE ONLY.
 - THIS SCHEMATIC IS INDICATIVE ONLY AND SHOULD BE READ IN CONJUNCTION WITH ALL OTHER STAGE 3 DOCUMENTS.
 - REFER TO SCHEMATIC REF: KXC-W0-001-HL9170-60-503 SITE WIDE ELECTRICAL DISTRIBUTION FOR THE ORIGIN OF THE ELECTRICITY SUPPLY.
 - ALL ATS UNITS SHALL BE BMS MONITORED.
 - THE POINT OF TERMINATION OF ALL SUB-MAN CABLES SERVING MOTOR CONTROL CENTRE / PLANT CONTROL PANELS AND DESIGNATED MAJOR PLANT, SUCH AS CHILLERS, IS THE ISOLATOR OF THE MAIN PANEL IN EACH CASE. ALL OTHER WIRING BEYOND THIS POINT WILL BE THE RESPONSIBILITY OF THE MECHANICAL INSTALLER.
 - ALL ACH AND MCB ARE TO BE EQUIPPED WITH ELECTRONIC TRIP PROTECTION UNIT.
 - INCOMING SUPPLY METERING TRANSFORMER AND ENCLOSURE ARE TO BE SUPPLIED AND INSTALLED BY THE EMO AS PART OF THEIR PACKAGE.
 - ALL SUB-METERING TO HAVE PULSED OUTPUT / MODBUS FOR BMS MONITORING AND BE CONNECTED TO THE BMS SYSTEM.
 - W3 BLOCK OUTGOING WAYS ARE TO BE CONSIDERED FOR FUTURE CONNECTION ONLY. THE CONTRACTOR IS TO ALLOW FOR SPARE CAPACITY WITHIN THE MAIN SWITCHGEARS AS NECESSARY. IN ADDITION TO THE CONTRACTUAL SPARE CAPACITY, NO BREAKERS OR SUBMANS ARE TO BE INSTALLED UNDER THIS CONTRACT.
 - INCOMING SUPPLY METERING CURRENT TRANSFORMER AND ENCLOSURE ARE TO BE SUPPLIED AND INSTALLED BY THE EMO AS PART OF THEIR PACKAGE WITH THE CT ENCLOSURE PROVIDED AND INSTALLED BY THE CONTRACTOR. THE CONTRACTOR IS TO LIAISE AND OBTAIN APPROVAL FROM THE EMO PRIOR TO PROCUREMENT OF THE CT ENCLOSURE.
 - PROVIDE AND INSTALL A THREE PHASE UNIT RELAY UNIT AS MANUFACTURED BY ALSTOM OR EQUAL AND ACCEPTED, TO FACILITATE CONTROL OF THE INCOMING SUPPLY BREAKER. THIS SYSTEM IS TO BE CONSIDERED TO FACILITATE TRIPPING OF THE INCOMING BREAKER PRIOR TO THE PRE-ARISING TIME OF THE UPSTREAM DEVICE WITHIN THE EMO FUSEBOARD, SUPPLY AND INSTALL WITHIN THE SWITCHGEAR ALL REQUIRED CURRENT TRANSFORMERS IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATION COMPLETE WITH BUREAUS TO SERVE THE RELAY UNIT.
 - PROVIDE AND INSTALL A PRIMARY AND SECONDARY POWER SOURCE STATUS INDICATION PANEL NEXT TO THE LIFE SAFETY FIRE CONTROL SWITCH AT FIRE SERVICE ACCESS LEVEL (FSAL). THE INDICATION PANEL IS TO BE AS MANUFACTURED BY ASSO OR EQUAL AND ACCEPTED AND DERIVED FROM THE FIRE FIGHTING LIFT AUTOMATIC TRANSFER SWITCH.
 - THE APPOINTED CONTRACTOR IS TO VERIFY THE ENERGY LET-THROUGH DISCOMINATION OF ALL DEVICES AND ENSURE FULL DISCOMINATION BETWEEN DEVICES THROUGHOUT THE ELECTRICAL INSTALLATION.
 - INCOMING ELECTRICITY POWER QUALITY METER AND OUTGOING MULTIFUNCTIONAL ELECTRICITY METERS AT SWITCHBOARD LOCATION ARE TO BE CONNECTED TO THE DEDICATED AUTOMATIC METERING READING (AMR) INFRASTRUCTURE. REFER TO THE AMP SCHEMATIC FOR DETAILED REQUIREMENT.
 - PROVIDE RED CUBICLES TO REFLECT LIFE SAFETY SUB-MAN CIRCUITS AND LABEL THESE "LIFE SAFETY SERVICES" - DO NOT ISOLATE LIFE SAFETY SYSTEMS ARE IDENTIFIABLE BY THE INSCRIBED LETTER "T" ADJACENT TO THE SYSTEM'S SUB-MAN CABLE.

NO	DESCRIPTION	DATE	BY	CHECKED	APPROVED
T03	ARCHITECT CHANGES UPDATE	SFS	EAW	CW	22/11/19
T02	EXTENSIVE CHANGES	AG	JAV	CW	05/10/19
T01	EMPLOYER'S REQUIREMENTS	AG	JAV	CW	05/10/19

REVISIONS:



ARCHITECT:
David Morley Architects
19 Hatfield Pl, London
EC1N 8BU

Fellden Clegg Bradley Studios
141 Hatfield St, London
W1T 4RF

CLIENT:
Argent LLP
4 Stable St, London
N1C 4AB

PROJECT TITLE:
KINGS CROSS W ZONE

DRAWING TITLE:
LV DISTRIBUTION SCHEMATIC

PERSON RESPONSIBLE FOR:		
Design:	Review:	Authorising Issued:
SFS	EAW	CW
Project No:	Date:	Scale @ A0:
0209170	OCT 2018	NTS @ A0
Drawing Number:		Revision:
KXC-W0-001-E-HL9170-60-604		T03