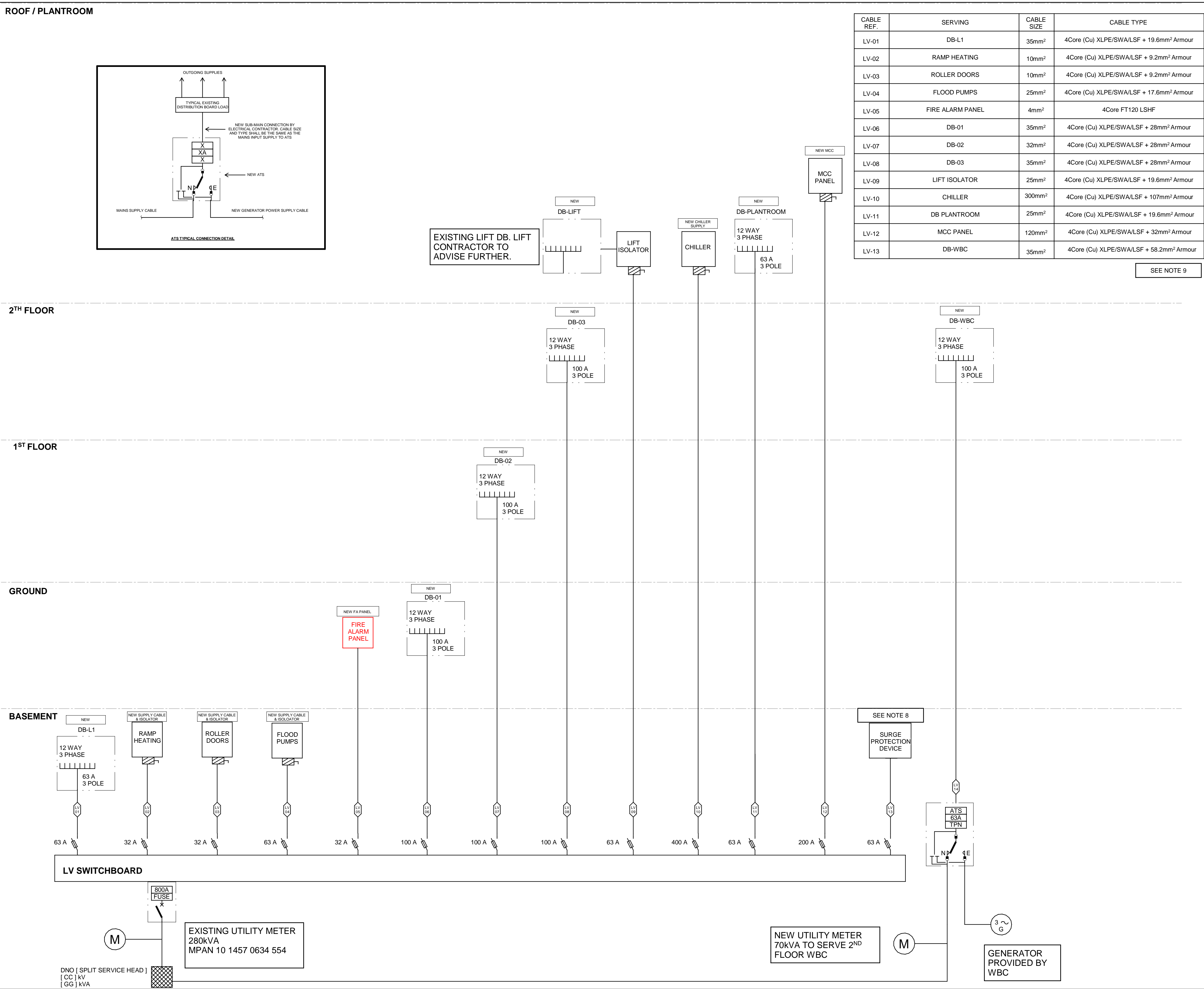


ISO A1 564mm x 841mm  
Project Management Initials: Designer: Designer: Checked: Checker: Approved: Approved By: Author



CABLE REF.	SERVING	CABLE SIZE	CABLE TYPE
LV-01	DB-L1	35mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 19.6mm <sup>2</sup> Armour
LV-02	RAMP HEATING	10mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 9.2mm <sup>2</sup> Armour
LV-03	ROLLER DOORS	10mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 9.2mm <sup>2</sup> Armour
LV-04	FLOOD PUMPS	25mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 17.6mm <sup>2</sup> Armour
LV-05	FIRE ALARM PANEL	4mm <sup>2</sup>	4Core FT120 LSHF
LV-06	DB-01	35mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 28mm <sup>2</sup> Armour
LV-07	DB-02	32mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 28mm <sup>2</sup> Armour
LV-08	DB-03	35mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 28mm <sup>2</sup> Armour
LV-09	LIFT ISOLATOR	25mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 19.6mm <sup>2</sup> Armour
LV-10	CHILLER	300mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 107mm <sup>2</sup> Armour
LV-11	DB PLANTROOM	25mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 19.6mm <sup>2</sup> Armour
LV-12	MCC PANEL	120mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 32mm <sup>2</sup> Armour
LV-13	DB-WBC	35mm <sup>2</sup>	4Core (Cu) XLPE/SWA/LSF + 58.2mm <sup>2</sup> Armour

**AECOM**

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- Notes**
- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER DOCUMENTATION INCLUDED IN THE MEP SPECIFICATION AND DRAWINGS.
  - ANY DISCREPANCIES BETWEEN THIS AND OTHER DOCUMENTATION MUST BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM FOR CLARIFICATION.
  - THE CONTRACTOR IS RESPONSIBLE FOR DEVELOPING THE DESIGN FROM RIBA STAGE 3 TO MEET THE DESIGN INTENT INDICATED AND FOR DEVELOPING ALL DETAILS REQUIRED FOR THE FULL SERVICES INSTALLATION TO BE INSTALLED, TESTED, COMMISSIONED AND SET TO WORK.
  - THIS DRAWING SHALL NOT BE RELIED UPON FOR CONSTRUCTION.
  - THE CONTRACTOR SHALL ALSO REFER TO THE PROJECT CDM INFORMATION FOR DETAILS ABOUT RISKS AND RESIDUAL RISKS.
  - THE MEP SYSTEMS SHALL COMPLY WITH RELEVANT STANDARDS DESCRIBED IN THE SPECIFICATION.
  - NOT ALL EQUIPMENT IS LISTED / DEPICTED IN THIS DRAWING. CONTRACTOR SHALL PRODUCE A DETAILED DESIGN AT RIBA STAGE4.
  - SURGE PROTECTION DEVICE IS TO BE INCORPORATED INTO THE EXISTING LV SWITCHBOARD AS PER THE UPDATED IET WIRING REGULATIONS (BS 7671) 18<sup>TH</sup> EDITION.
  - THE CABLE SIZES SHOWN ON THIS SCHEMATIC ARE INDICATIVE ONLY. THE CONTRACTOR SHALL DEVELOP THE DESIGN AS PART OF THEIR RIBA STAGE 4 WORKS AND UNDERTAKE A COMPLETE PROTECTION GRADING AND SETTING CALCULATION OF THE COMPLETE ELECTRICAL DISTRIBUTION SYSTEM AS STATED WITHIN THE SPECIFICATION WORKS SECTION 300.081 CO-ORDINATION STUDY.

**Issue/Revision**

T1	23/06/22	Tender Issue	ORL/HTD
Rev	Date	Description	Drawn/Checked

**Key Plan**

**Suitability Status**

S0 - Initial Status

**Project Number**

60671544

**Sheet Title**

LV Schematic

**Sheet Number**

WPS-ACM-XX-XX-DR-EL-417001

**Scale:** NTS@A1 **Rev:** T1