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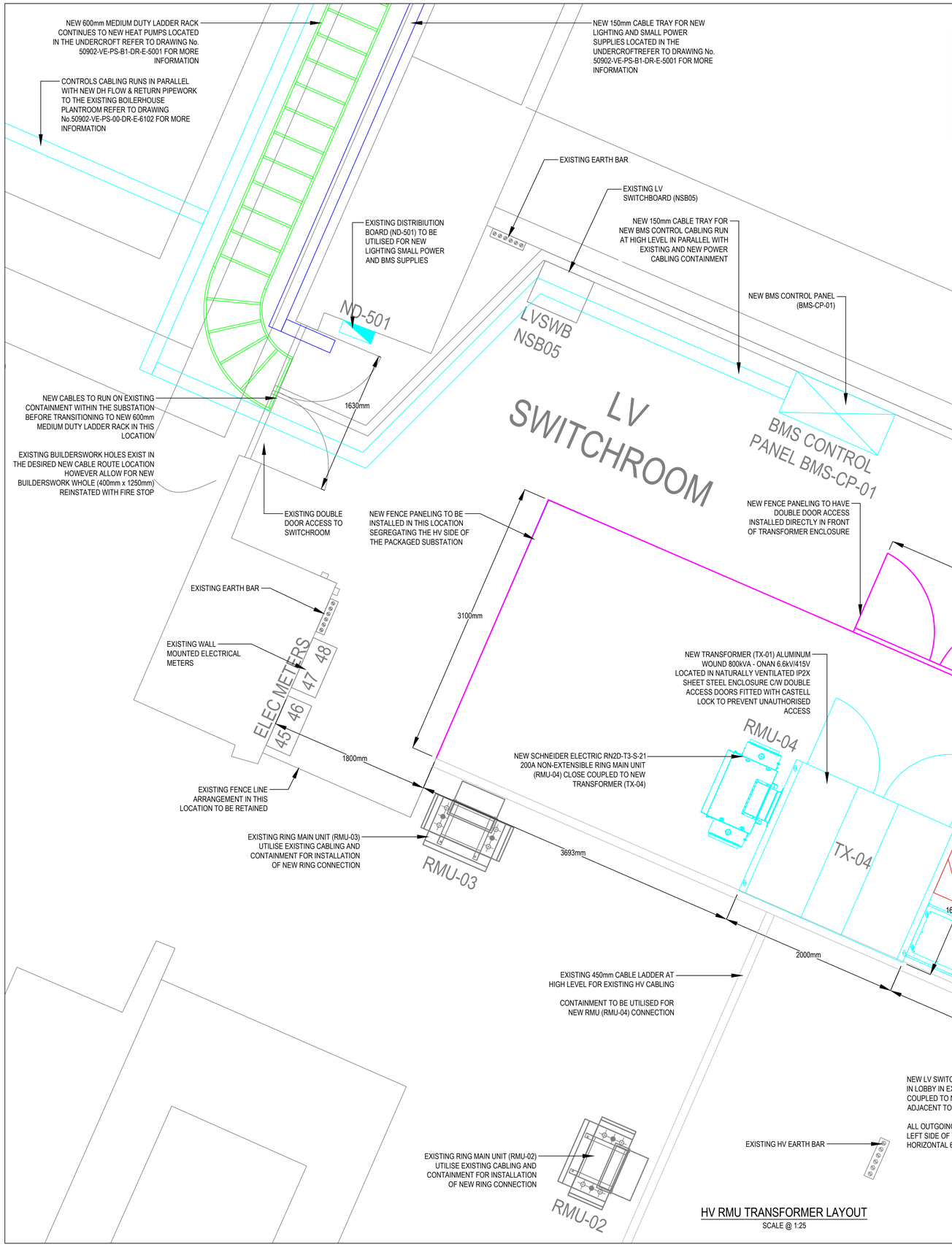
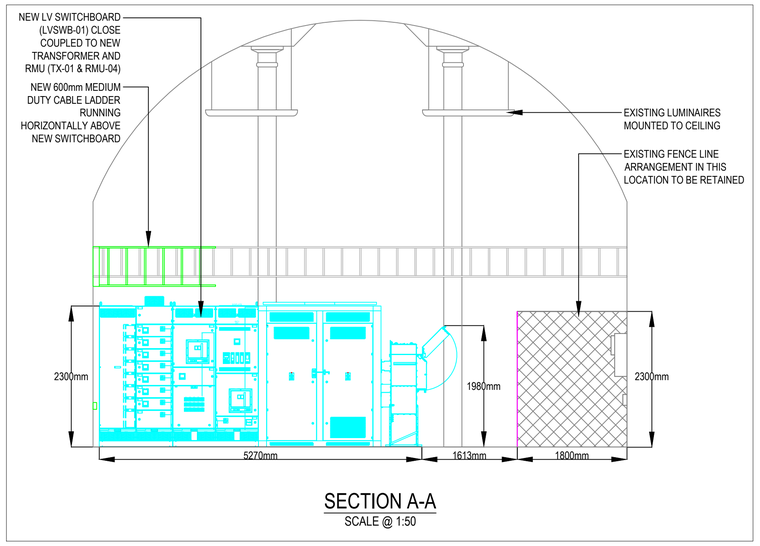
VDE_A1_v1.3 Plotted By: Finlay Mcclay on:08.12.2025 at 11:32 AM



HV RMU TRANSFORMER LAYOUT

SCALE @ 1:25



SECTION A-A

SCALE @ 1:50

HEALTH AND SAFETY INFORMATION

ALL WORKS SHALL BE CARRIED OUT BY COMPETENT PEOPLE.
IN ADDITION TO THE HAZARDS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING. THE DESIGNERS HAVE REVIEWED THE H&S RISKS AND DEVELOPED A DESIGNERS RISK ASSESSMENT.
THE CONTRACTOR SHALL REFER TO THE CONSTRUCTION PHASE PLAN AND ADOPT THE H&S AND DESIGNERS RISK ASSESSMENT FINDINGS IN THE DEVELOPMENT OF THEIR RAMS, BEFORE UNDERTAKING ANY WORKS.
PLEASE ALSO NOTE THE FOLLOWING :-

DIFFICULT TO MANAGE

THESE MAY BE COMMON RISKS BUT BE IN AWKWARD LOCATIONS, EG. SCAFFOLDING, DELIVERIES, PROXIMITY OF GAS MAINS OR POWER LINES, WORKING IN CLOSE PROXIMITY TO THE PUBLIC ETC.

NOT KNOWN AT THIS TIME OR NOTHING SIGNIFICANT

UNUSUAL

THESE MAY BE COMMON RISKS OCCURRING IN UNUSUAL CIRCUMSTANCES. THEY MIGHT ALSO BE UNUSUAL BECAUSE OF THE NATURE OF THE CONSTRUCTION METHOD OR SITE CONDITIONS, EG. UNSTABLE OR CONTAMINATED GROUND, ASBESTOS, LEAD PAINT, SILICA DUST ETC

NOT KNOWN AT THIS TIME OR NOTHING SIGNIFICANT

NOT LIKELY TO BE OBVIOUS TO A CONTRACTOR OR DESIGNER .

THE CONTRACTOR, AT THE PRICING STAGE, AS WELL AS DURING THE DESIGN CYCLE MAY NOT BE AWARE OF SOME OF THE LESS OBVIOUS RISKS EG. STRUCTURAL ISSUES ASSOCIATED WITH WORKING AROUND EXISTING FOUNDATIONS, FRAGILE ROOFS OR FRAGILE SURFACES ETC.

NOT KNOWN AT THIS TIME OR NOTHING SIGNIFICANT

OPERATIONAL ACCESS - HORIZONTAL, VERTICAL, PEDESTRIAN, VEHICLE / PLANT

ARE THERE SIGNIFICANT ISSUES REGARDING ACCESS ? IF YES OUTLINE BELOW OR REFER TO APPROPRIATE DOCUMENT ETC.

NOT KNOWN AT THIS TIME OR NOTHING SIGNIFICANT

OPERATIONAL HANDLING / LIFTING STRATEGY

HAVE YOU IN SO FAR AS REASONABLY PRACTICABLE REDUCED MANUAL LIFTING? IDENTIFY ANY ITEMS THAT MAY REQUIRE EXCESSIVE LIFTING ARRANGEMENTS TO BE PUT IN PLACE AS WELL AS IDENTIFY ANY UNUSUAL RISKS ASSOCIATED WITH HANDLING AND LIFTING.

NOT KNOWN AT THIS TIME OR NOTHING SIGNIFICANT

HEALTH AND SAFETY FILE INCLUSIONS

IDENTIFY ANY HAZARDS / SIGNIFICANT RISKS ASSOCIATED WITH MAINTENANCE OR REMOVAL / DEMOLITION OF THE CONTENTS OF THIS DRAWING AT A LATER DATE.

EXISTING ASBESTOS IS APPARENT WITHIN THE EXISTING SWITCHROOMS AND PLANTROOMS AS SUGGESTED FROM THE PROVIDED REPORTS. PROCEED WITH CAUTION AND IN LINE WITH THE CORRECT ASBESTOS REGULATIONS & LEGISLATION.

NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTURAL AND STRUCTURAL DRAWINGS.
2. CABLES ENTERING HV SWITCHROOM TO BE SEALED TO STOP WATER INGRESS WITH A SUITABLE CABLE TRANSIT / FIRE STOPPING FOLLOWING CABLE INSTALLATION.
3. CONTAINMENT ROUTES AND HEIGHTS TO BE CO-ORDINATED WITH 3D LAYOUT DRAWINGS, FINAL POSITIONS ARE TO BE COORDINATED AND AGREED ON SITE. HOWEVER IF ANY OF THE MAJOR ROUTES SHOWN ARE ALTERED PLEASE CONTACT THE DESIGN DEPARTMENT TO CHECK ANY EFFECT ON THE CABLE SIZING CALCULATIONS. ALL INVERT LEVELS INDICATED ARE TO THE UNDERSIDE OF THE ASSOCIATED CONTAINMENT.
4. CONTROL AND LV CABLING INCLUDING ALL SECONDARY CONTAINMENT MUST BE SEGREGATED IN ACCORDANCE WITH BS7671, INCLUDING LATEST AMENDMENTS.
5. ALL LOCALISED SUPPORTS, TRAY AND TRUNKING DROPS AND SECONDARY CONTAINMENT TO PLANT AND EQUIPMENT TO BE AGREED ON SITE.
6. EVERY PIECE OF EQUIPMENT AND CONTROL GEAR SHALL BE LABELED CLEARLY BY MEANS OF ENGRAVED TRAFFOLITE LABEL SCREW FIXED TO HE SURFACE.
7. ALL LADDER RACK, TRAY AND TRUNKING JOINTS SHALL BE LINKED ACROSS WITH EARTH STRAPS.
8. ALL TRUNKING TO MEET AN IP4X RATING IN ACCORDANCE WITH BS50085-1.

LEGEND:

- ELECTRICAL DISTRIBUTION BOARD
- ELECTRICAL BATTERY TRIPPING UNIT
- EARTH BAR
- MEDIUM DUTY CABLE LADDER FOR LV & HV CABLES
- 50mm FIRE ALARM BASKET
- NEW FENCING AND DOUBLE DOOR ACCESS

HOLDS

REFERENCE DOCUMENTS

50902-VE-PS-XX-SC-E-6001 PICCADILLY STATION HV & LV SINGLE LINE DIAGRAM

50902-VE-PS-00-DR-E-6101 PICCADILLY STATION CONTAINMENT LAYOUT

50902-VE-PS-00-DR-E-6102 PICCADILLY STATION SITE WIDE CONTAINMENT LAYOUT

50902-VE-PS-B1-DR-E-5001 PICCADILLY STATION ELECTRICAL EQUIPMENT LAYOUT

MANCHESTER PICCADILLY RAIL STATION - OPERATIONAL SITE SPECIFIC ASBESTOS MANAGEMENT PLAN

SCALE IN METRES 0 0.5 1 1.5 — 1:25

SCALE IN METRES 0 1 2 3 — 1:50

ISSUED FOR STAGE APPROVAL

REV	DATE	DESCRIPTION	DRN	CHK	APP
P1	08.12.25	ISSUED FOR STAGE 3 APPROVAL	MW	FM	ME

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Project: PICCADILLY STATION

Title: PICCADILLY STATION HV RMU / TRANSFORMER LAYOUT

DATE	08.12.2025	SCALE	1:25	SHEET	A1

STAGE APPROVAL — Status: S4 — Stage: 3

Drg-No: 50902-VE-PS-B1-DR-E-6201 — Rev: P1