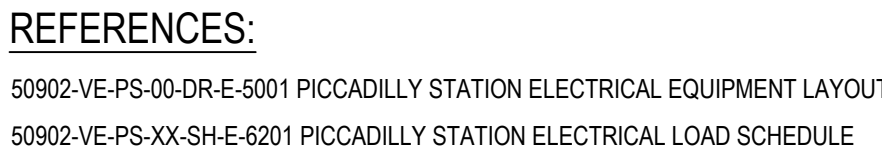


1. THE ELECTRICAL INSTALLATION WILL BE INSTALLED IN ACCORDANCE WITH THE CURRENT EDITION OF BS7671 (ETI WIRING REGULATIONS)
2. THE SURGE PROTECTION DEVICES SHALL BE AS CLOSE AS POSSIBLE TO THE MAIN INCOMER CONNECTIONS AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
3. THE LV SWITCHBOARD WILL BE FORM 48 TYPE, TOP ENTRY, TOP EXIT WITH FULL ACCESS. COMPLETE WITH A MANUFACTURERS ASSEMBLY PLANT TO RAISE THE HEIGHT OF THE SWITCHBOARD BY 100mm. THE LV SWITCHROOM SUB WILL ALSO BE RAISED BY A FURTHER 150mm AFLT WITHIN THE DOOR REAR WALL TO BE PROVIDED.
4. CAPABILITY FOR RALOOKING ALL ISOLATING DEVICES IN THE OFF POSITION IS TO BE PROVIDED.
5. THE GENERATOR MUST NOT RUN IN PARALLEL WITH THE UTILITY MAINS. THEREFORE SHORT OUTAGES WILL BE SEEN DURING THE MANUAL TRANSFER FROM MAINS TO GENERATOR AND BACK TO MAINS.
6. ALL 100 TO 630A MCCB COMBINED WITH ELECTRONIC TRIPS (MICROLOGIC 2) ALL SUBMARI CIRCUIT MCCB COMBINED WITH ELECTRONIC TRIPS (MICROLOGIC 2)
7. ALL MCCB DEVICES SHALL BE FIXED PATTERN SWITCHGEAR. ALL ACB DEVICES SHALL BE WITHDRAWABLE.
8. ALL SWITCHROOM FUTURE COMPARTMENTS TO BE FITTED OUT WITH PLUG IN BASES TO ENABLE EASY OF INSTALLATION FOR FUTURE DEVICES.

	6.6KV SYSTEM CABLE
	6.6KV SYSTEM BUSBAR
	LV SYSTEM CABLE
	LV SYSTEM BUSBAR
	CONTROL CABLE
	TRIPPING CABLE
	COMMS CABLE
	TRANSFORMER
	MOULDED CASE CIRCUIT BREAKER
	WITHDRAWABLE AIR CIRCUIT BREAKER
	CIRCUIT EARTH SELECTOR SWITCH
	ON LOAD ISOLATOR
	MINIATURE CIRCUIT BREAKER
	SURGE PROTECTION DEVICE
	3 PHASE CURRENT TRANSFORMER
	MULTIFUNCTION POWER METER
	ISOLATOR
	SWITCHED FUSED CONNECTION UNIT AS MK METALCLAD MOUNTED ADJACENT EQUIPMENT/PANEL
	EMERGENCY STOP
	VARIABLE SPEED DRIVE CONTROLLED PUMP
	NEUTRAL EARTH LINK
	CASTELL KEY (FS TYPE) TRAPPED
	CASTELL KEY (FS TYPE) FREE

1. EXISTING HV CABLEING IS 300mm² 3C PICAS FROM RECORD INFORMATION, THIS SHALL BE CONFIRMED BEFORE THE HV CABLEING SELECTIONS ARE FINALISED AT NEXT DESIGN STAGE.
2. EXISTING HV RING PROTECTION CT's & SETTINGS CURRENTLY UNKNOWN, THIS SHALL BE CONFIRMED BEFORE THE HV CABLEING SELECTIONS ARE FINALISED AT NEXT DESIGN STAGE.
3. TEMPORARY GENERATOR CONNECTION ON LV/SB 01 OPTIONAL AT ADDITIONAL COST.
4. CLEARED.
5. ALL CABLE SIZES & EQUIPMENT LOADS TO BE CONFIRMED ON PROCUREMENT OF PLANT.



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Project: ALLERTON DEPOT & PICCADILLY STATION					
Title: PICCADILLY STATION HV & LV SINGLE LINE DIAGRAM					
DATE	24.07.2025	SCALE	N.T.S	SHEET	AD
STAGE APPROVAL				Status: S4	Stage: 3
50902-VE-PS-XC-SE-E-6001				Dwg-No:	Rev: P6