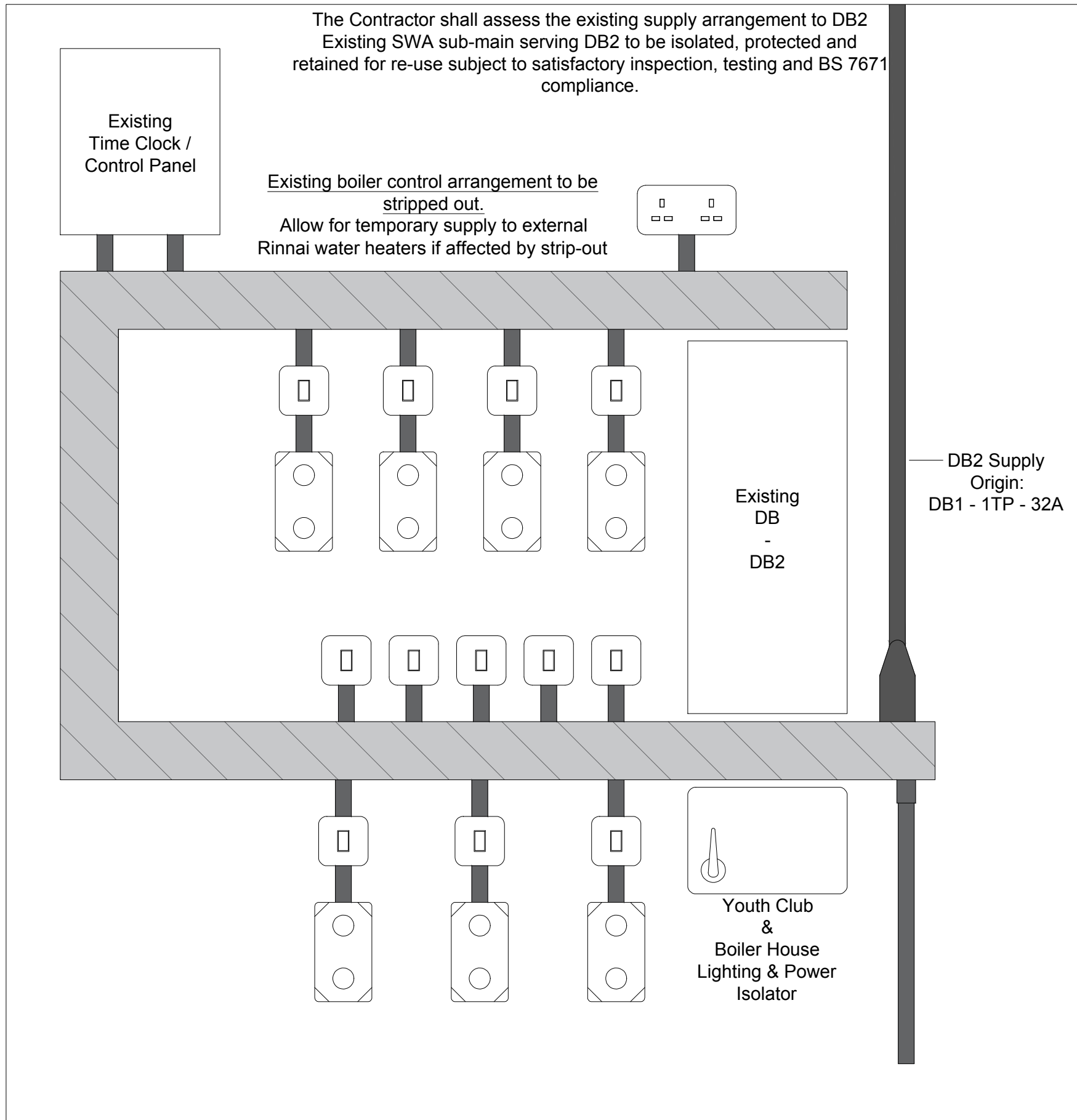
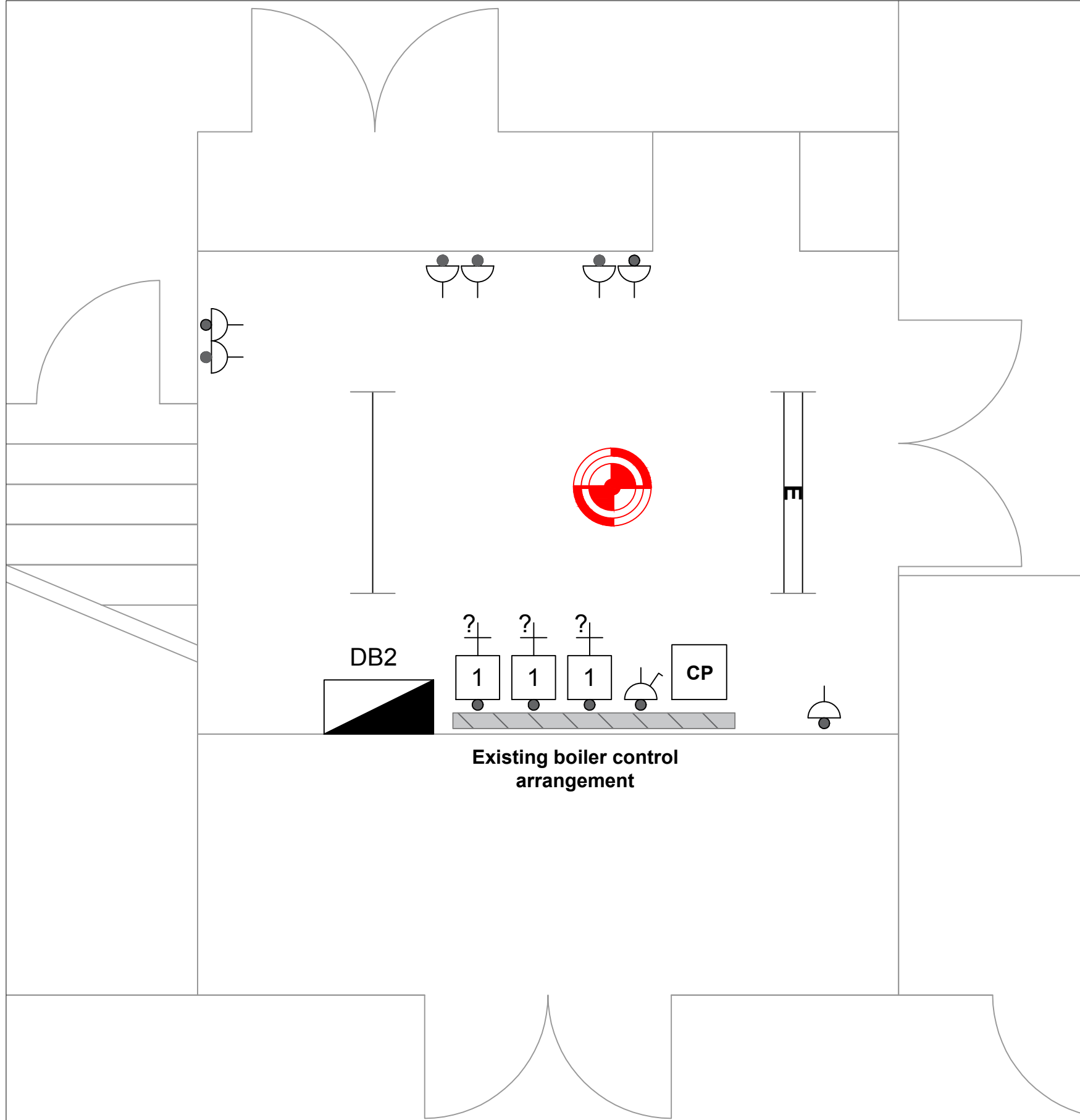
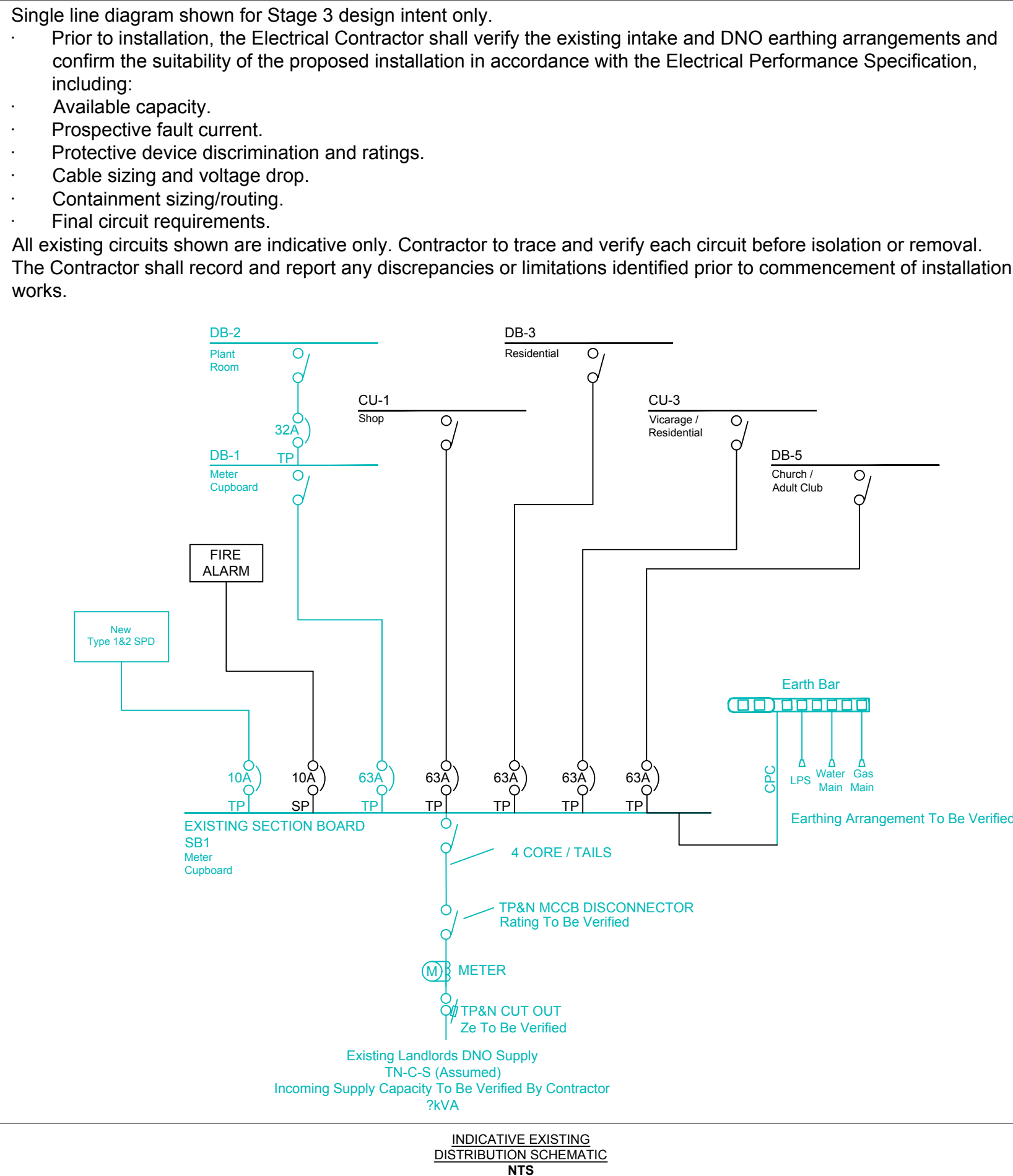


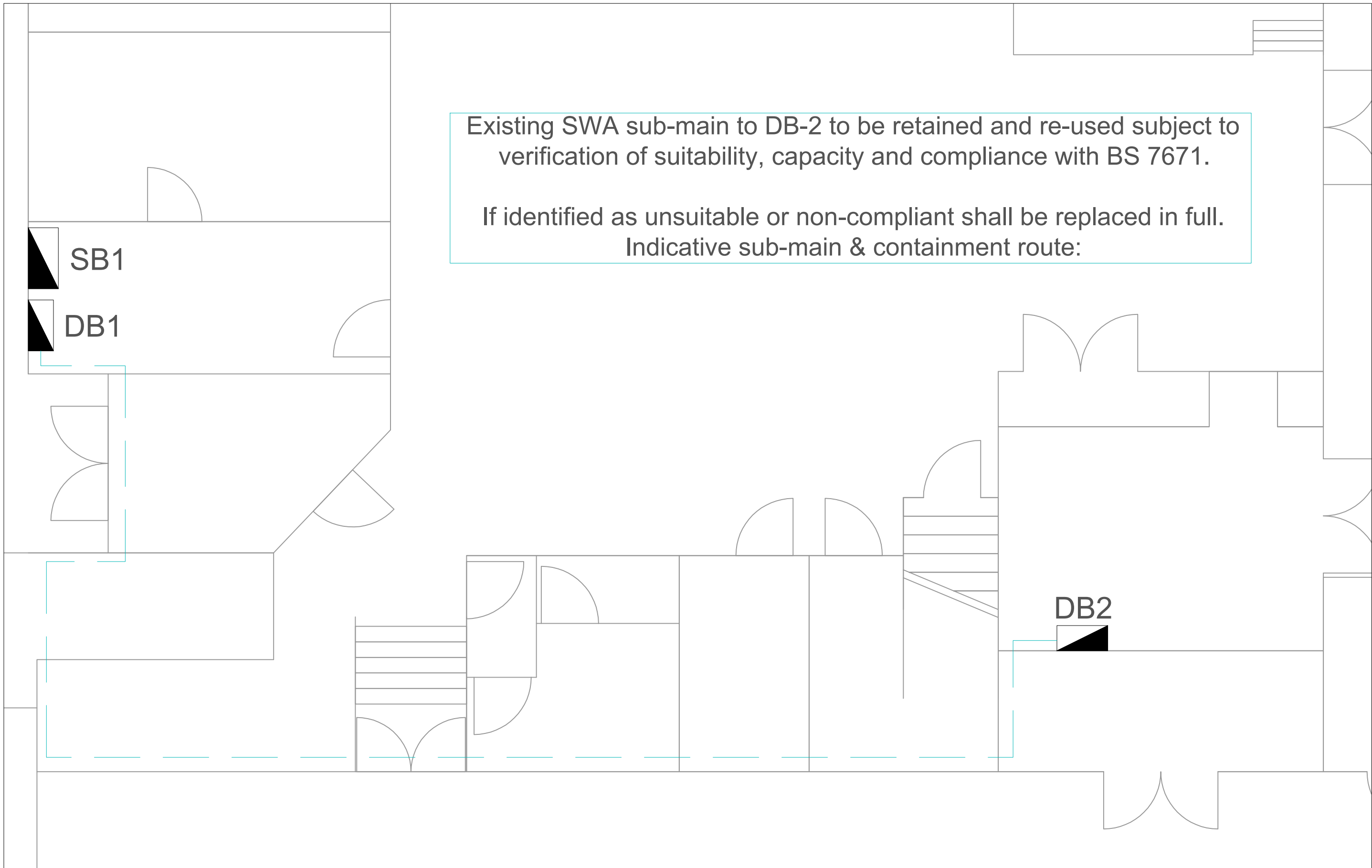


- EXISTING BOILER CONTROL ARRANGEMENT STRIP OUT**
- Prior to commencing, the Contractor shall verify distribution arrangement and associated installation serving the existing boilers.
 - The Contractor shall provide all temporary electrical supplies, lighting and controls arrangements necessary to maintain safe operation of the building during the strip-out and installation works. Any temporary arrangements shall comply with BS 7671 and Electricity at Work Regulations.
 - Existing fire alarm detection within the plant room shall remain operational unless temporary isolation is agreed with the Client, Fire Alarm Contractor and Contract Administrator. Any temporary isolation shall be risk assessed and managed under permit-to-work procedures.
 - Existing boiler control panel, time-clock equipment, controls wiring, containment and associated accessories shall be safely isolated, disconnected and removed in full where accessible.
 - Existing plant room supplies fed from DB2 and all associated accessories and electrical equipment are to be made safe, and stripped out. Any supplies to equipment external to the plant room refurbishment shall be renewed to the new DB.



- EXISTING ELECTRICAL ISOLATION & STRIP OUT NOTES**
Drawing indicates Stage 3 design intent only.
This drawing shall be read in conjunction with the Electrical Performance Specification, Mechanical Performance Specification and all associated contract documentation.
- Verify all existing electrical services, circuit origins, containment routes and site conditions prior to commencement.
 - Safely isolate, disconnect and remove all redundant plant room electrical services associated with removed mechanical plant.
 - Existing services identified for retention shall remain operational and protected throughout the works.
 - Coordinate all shutdowns and isolations with the Client and Contract Administrator prior to commencement.
 - Provide temporary supplies and lighting where required to maintain safe operation of the building. Fire alarm, emergency lighting and life safety systems shall remain operational throughout the works.
 - Redundant cabling not capable of removal shall be permanently isolated, labelled and left in a safe condition.
 - Reinstate all disturbed fire stopping and builders works penetrations.
 - Dispose of all redundant materials in accordance with current regulations. Redundant electrical equipment shall be disposed of via appropriate Waste Electronic and Electrical Equipment waste routes.
 - Verify existing intake arrangement, DNO earthing arrangement, prospective fault current and available capacity prior to modification works.
 - Contractor shall report any discrepancies or unidentified services prior to commencement of works.

- EXISTING BOILER CONTROL ARRANGEMENT STRIP OUT**
- The Contractor shall inspect, test and verify the existing SWA sub-main supply "DB1 - 1TP" serving DB-2, including:
 - cable size,
 - insulation resistance,
 - CPC continuity,
 - protective device suitability,
 - voltage drop,
 - fault level compatibility,
 - earthing arrangement,
 - installation condition.
 - Subject to satisfactory verification and compliance with BS 7671, the existing SWA sub-main may be retained and re-used to supply the new DB-PR distribution board.
 - If the existing sub-main is identified as undersized, damaged, non-compliant or otherwise unsuitable, the Contractor shall replace the sub-main & associated containment in full to the new DB location.
- Note:** Existing DB2 is to be stripped out & replaced by new DB-PR, with only the existing SWA sub-main retained if compliant.



NOTES

Any Site, Block or Location Plan (or map) included in this drawing and reproduced from Ordnance Survey material is done so with the permission of Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office. Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Ordnance Survey Licence No 100019668. Figure dimensions only shall be used. No dimensions shall be scaled from this drawing without reference to the Contract Administrator/Engineer. All dimensions to be checked on the before work commences or is put in hand, and any discrepancy to be notified to the Contract Administrator/Engineer. The location of any existing underground or overhead services are to be verified before commencing work.

Area of Works

Stage 3 Design Intent
Drawing to be read in conjunction with
"VBS-0126 L5 3PE 2.1 Electrical Performance Specification"

LEGEND

	DISTRIBUTION BOARD
	SWITCHED DOUBLE SOCKET OUTLET
	FUSED CONNECTION UNIT
	ISOLATOR X = CURRENT RATING N = NUMBER OF POLES
	100mmx100mm GALVANISED STEEL TRUNKING CONTAINMENT
	20mm dia. STEEL CONDUIT CONTAINMENT
	Control Panel / Time Clock
	Fire Alarm Heat Detector
	Existing Fluorescent Light
	Existing Emergency Light

01	Draft	-	-	-	-
Version	Amendment	Drawn & Date	Checked & Date	Approved & Date	

VITAL
SURVEYS & BUILDING SERVICES

E-mail
-

Internal Project Number
L5-3PE-ZZ-SC

Client
Shrewsbury House Youth Centre

Project Name
Plant Room Emergency Replacement

Drawing Title
L5-3PE-ZZ-SC-E-5001
Plant Room Electrical Strip Out

Scale	Original Size	RIBA 2020 Stage	
NTS	A1	Stage 3	
Date of first issue	Author	Checked	Approved
-/-/-	DP	-	-

L5-3PE-ZZ-SC-E-5001				YY	01
Project - Originator	System - Level	Type - Discipline	Number	Suitability	Revision