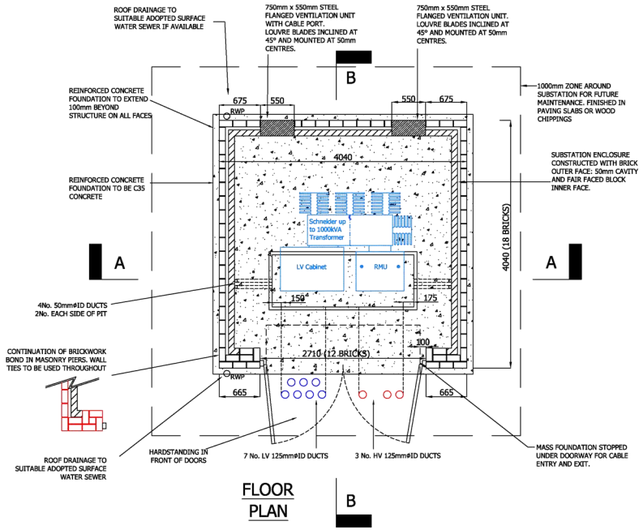
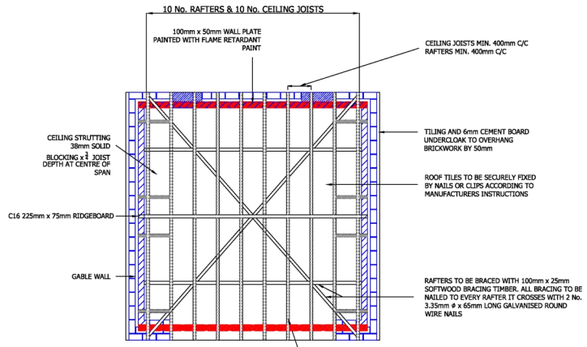
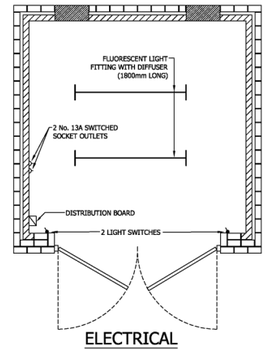


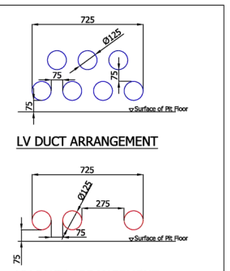
FLOOR PLAN



ROOF PLAN



ELECTRICAL LAYOUT



NB:

- ALL DUCT SIZES REFER TO INTERNAL DIAMETER
- DUCTS SHOWN AS VIEWED FROM INSIDE PIT
- SCALE - 1:20

ELECTRICAL NOTES

THE SUPPLY FOR THE SUBSTATION POWER AND LIGHTING WILL BE TAKEN FROM THE TRANSFORMER MOUNTED FUSE CABINET AUXILIARY FUSE WAY USING 4mm² COPPER SWA PVC CABLE TO SUPPLY A SINGLE PHASE 25A STREET LIGHTING CUT OUT MOUNTED BELOW THE POWER AND LIGHTING FUSE BOARD. THIS WILL FEED A 100A CONSUMER UNIT WITH A MINIMUM OF 4 MCB CONTROLLED WAYS (2No 16A FOR POWER AND 1No 6A FOR LIGHTING WITH A SPARE 16A WAY FOR SPECIAL REQUIREMENTS SUCH AS SCADA OR REMOTE ACTUATOR UNITS. EACH OUTGOING WAY WILL BE LABELED TO IDENTIFY CIRCUITS.

ALL INTERNAL WIRING TO BE CONTAINED IN 20mm HIGH IMPACT BLACK PVC CONDUIT AND ALL ACCESSORIES WILL BE NON METALLIC HIGH IMPACT AND FULLY INSULATED AND WEATHERPROOF AND SOURCE FROM A QUALITY MANUFACTURER (e.g. MEM OR MK).

TWO 13A SWITCHED SOCKET OUTLETS WITH 30mA RCD PROTECTION WILL BE PROVIDED IN A CONVENIENT LOCATION ON THE LEFT HAND SIDE OF THE SUBSTATION.

TWO 1800mm FLUORESCENT LAMP UNITS WITH POLYCARBONATE COVERS TO AT LEAST IP56 SPECIFICATION WILL BE FITTED TO THE CEILING AND CONTROLLED BY A TWO-WAY NON METALLIC FULLY INSULATED LIGHTING SWITCH FIXED 1350mm ABOVE FINISHED FLOOR LEVEL ON THE WALL ADJACENT TO EACH DOOR.

THE SOCKETS ARE TO BE WIRED IN 2.5mm² COPPER CABLE AND THE LIGHTING WIRED IN 1.5mm² COPPER CABLE.

THE ELECTRICAL INSTALLATION IS TO BE IN ACCORDANCE WITH THE CURRENT EDITION OF BS7671 - IEE WIRING REGULATIONS

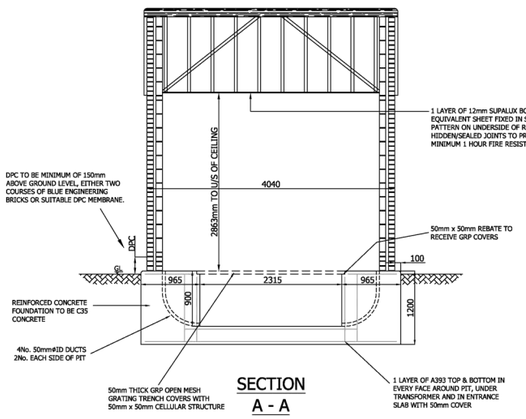
FOR SUBSTATIONS WITH SEPARATE HV AND LV EARTHING (HOT EARTHING)

CARE MUST BE TAKEN WITH LIGHTING AND SOCKET SUPPLIES TO AVOID THE POSSIBILITY OF MAKING CONTACT BETWEEN DIFFERENT EARTHING SYSTEMS.

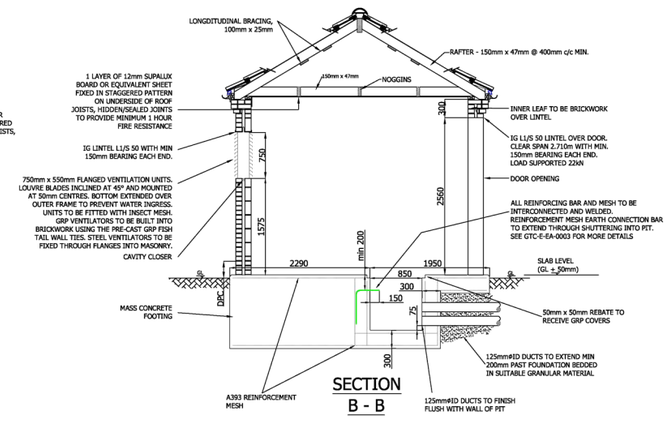
AT HOT SITES ALL FITTINGS, SWITCHES AND CONDUIT MUST BE NON-METALLIC AND FULLY INSULATED TO THE SPECIFICATION ABOVE.

ALL 13A SOCKETS (INCLUDING SOCKET OUTLETS IN THE TRANSFORMER MOUNTED FUSE CABINET) MUST BE PROTECTED BY A 30mA RCD WITH THE EARTH TERMINAL CONNECTED TO THE HV STEELWORK

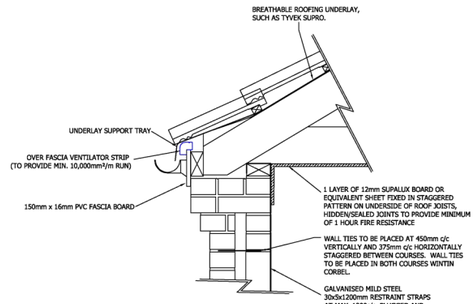
LIGHT SWITCH
13A SWITCHED SOCKET OUTLET
DISTRIBUTION BOARD
FLUORESCENT LIGHT (1800mm LONG) INCLUDING DIFFUSER



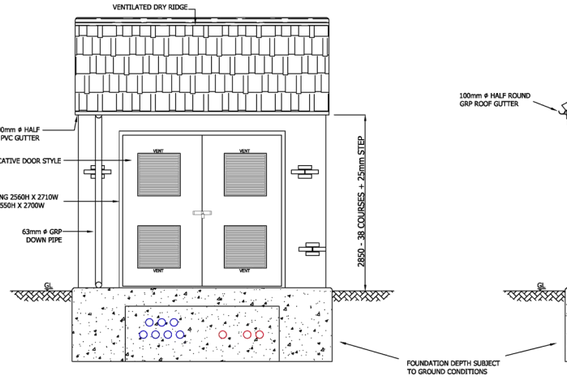
SECTION A - A



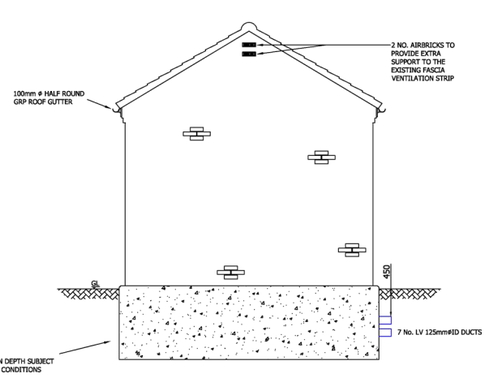
SECTION B - B



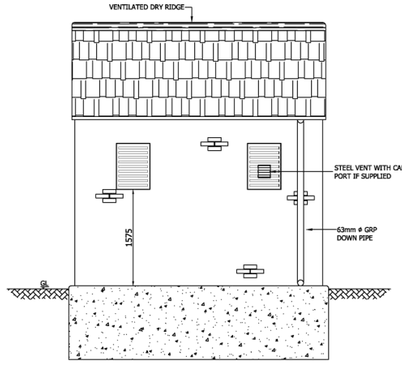
INDICATIVE EAVES DETAIL - TO VARY DEPENDANT ON TILE CHOICE (NOT TO SCALE)



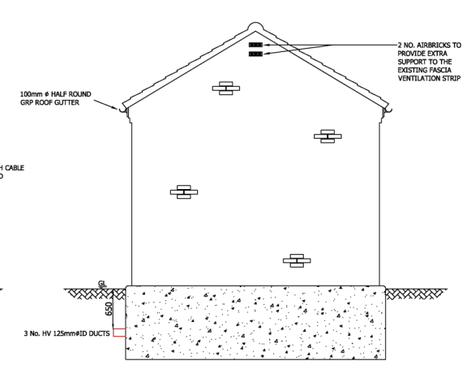
FRONT ELEVATION



SIDE ELEVATION



REAR ELEVATION



SIDE ELEVATION

0 5m

Scale 1:100

-	-	-
-	-	-
-	-	-
Rev		Date

PERSIMMON
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Persimmon Homes Thames Valley
Persimmon House, Knoll Road,
Camberley, Surrey GU15 3TQ
Tel: 01276 808080

Site: Phase 5 Littlehampton	Date: April 2021
	Scale: 1:100 @ A3
	Drg No: 546-PL-SS-01
Drawing Title: Substation Elevations & Floor Plan	
Drawing Status: SUBMITTED	Drawn by: AT / Checked by: RC
	Rev: -

SUB STATION