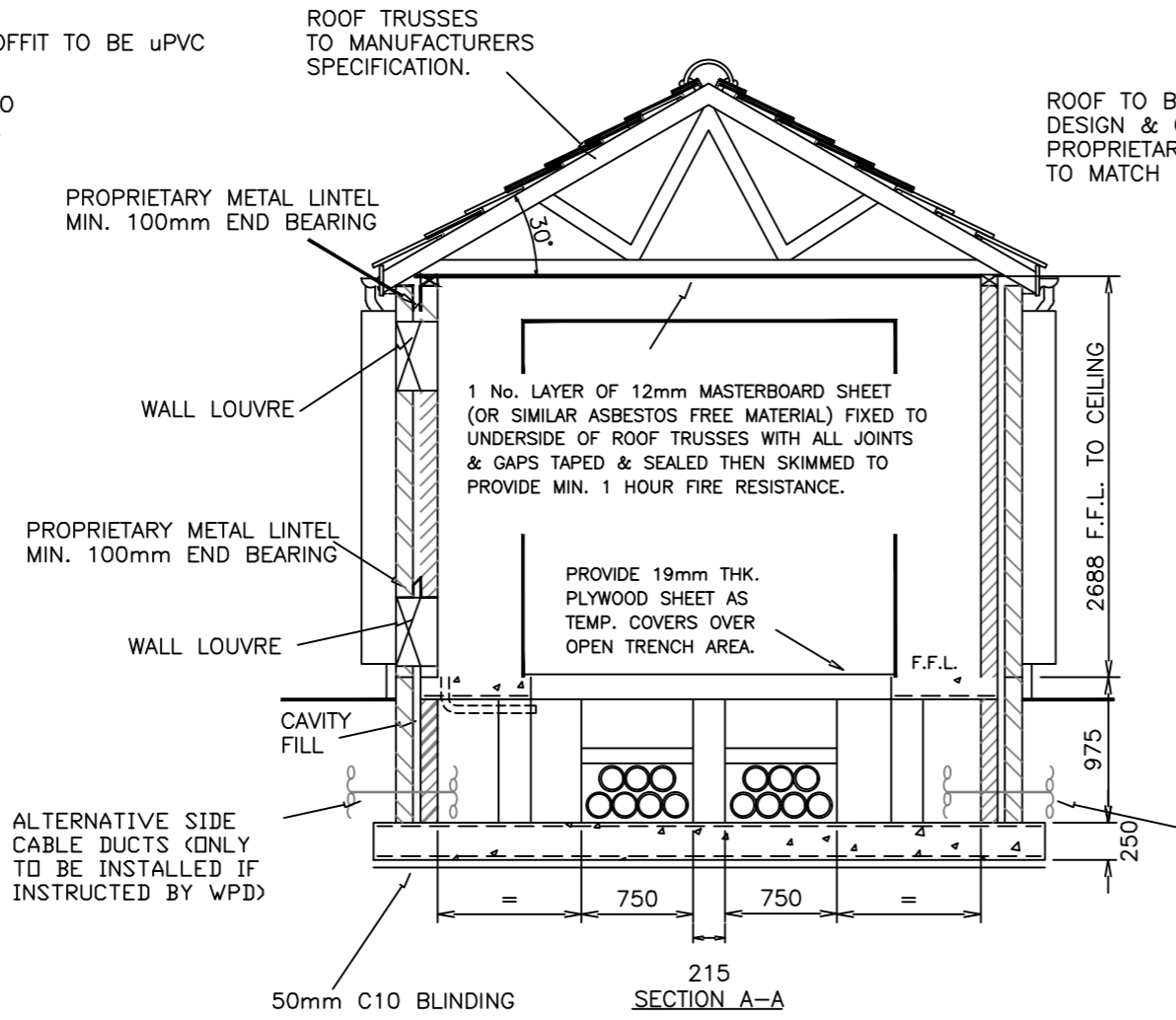


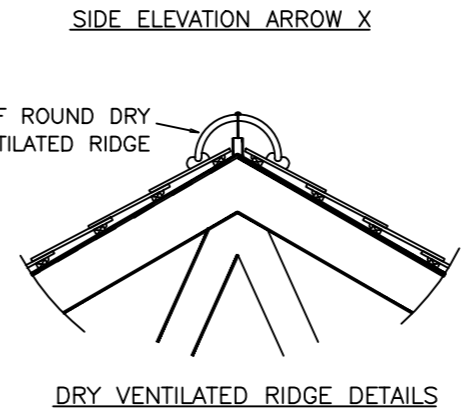
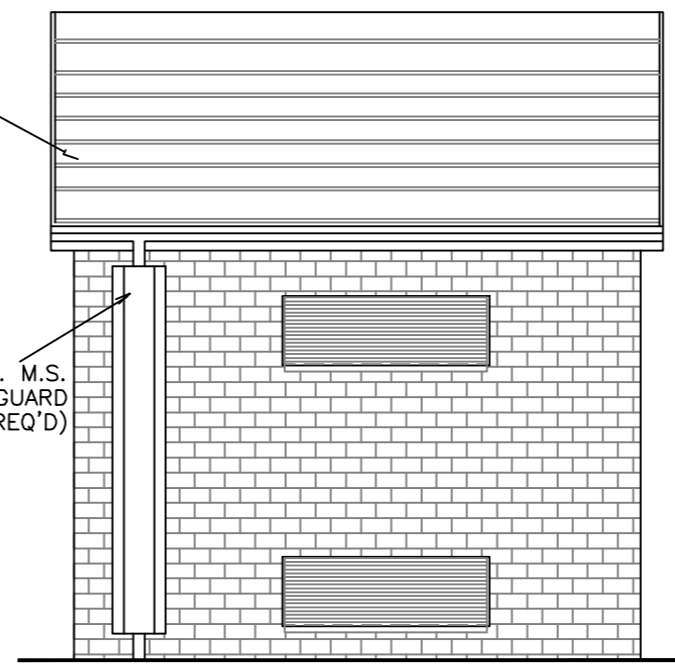
SOAKAWAY  
MIN DEPTH 1.8m x 1.2m x 1.2m, FILLED WITH GRANULAR STONE, CLAY TRAPPED GULLIES AT THE BASE OF THE DOWNPIPES. BELOW GROUND DRAINAGE FROM GULLIES INTO SOAKAWAY OR SITE DRAINAGE SYSTEM.

SUBSTATION STEP TO BE FORMED CONCRETE (MAXIMUM 150mm IN HEIGHT)



ROOF TO BE OF APPROVED DESIGN & CONSTRUCTION. PROPRIETARY ROOF TILES TO MATCH DEVELOPMENT.

ALTERNATIVE SIDE CABLE DUCTS (ONLY TO BE INSTALLED IF INSTRUCTED BY WPD)



**NOTES:**

**CONCRETE:**  
Blinding concrete to be grade C15 with minimum crushing strength of 15N/sq.mm at 28 days.  
Plinth/foundation concrete to be grade C35 with a minimum crushing strength of 35N/sq.mm at 28 days.  
20mm aggregate shall be placed & compacted within adequate formwork to ensure that the top surfaces are true to plane with level fair face trowel finish.  
No drilling to take place within 28 days of casting.  
No percussion drills to be used only rotary drills.  
Do not over tighten bolts.  
Typical max. weight of plant 6000kg.

**FOUNDATIONS:**  
To be taken down to ground that is sufficiently firm to provide physical support to the structure. Site photo's to be taken indicating evidence of foundation depth where increased dig is greater than 400mm.  
Foundations/Plinth must be suitable with respect to ground conditions and loading, and must be approved by on-site structural engineer.  
Cable length to be 800mm wide & 1000mm deep. Cable trench to be back-filled after installation of cables with sand and 75mm top layer of 14-20mm limestone chippings.

**REINFORCEMENT:**  
Concrete plinth to be reinforced with 2no. layers of steel fabric reinforcement Ref. A393 (placed top and bottom).  
Steel fabric reinforcement to comply with B.S 4483.  
Steel bar reinforcement to comply with B.S. 4449.  
Reinforcement to be free from all loose rust and mill scale.  
Minimum cover to all reinforcement to be 40mm.

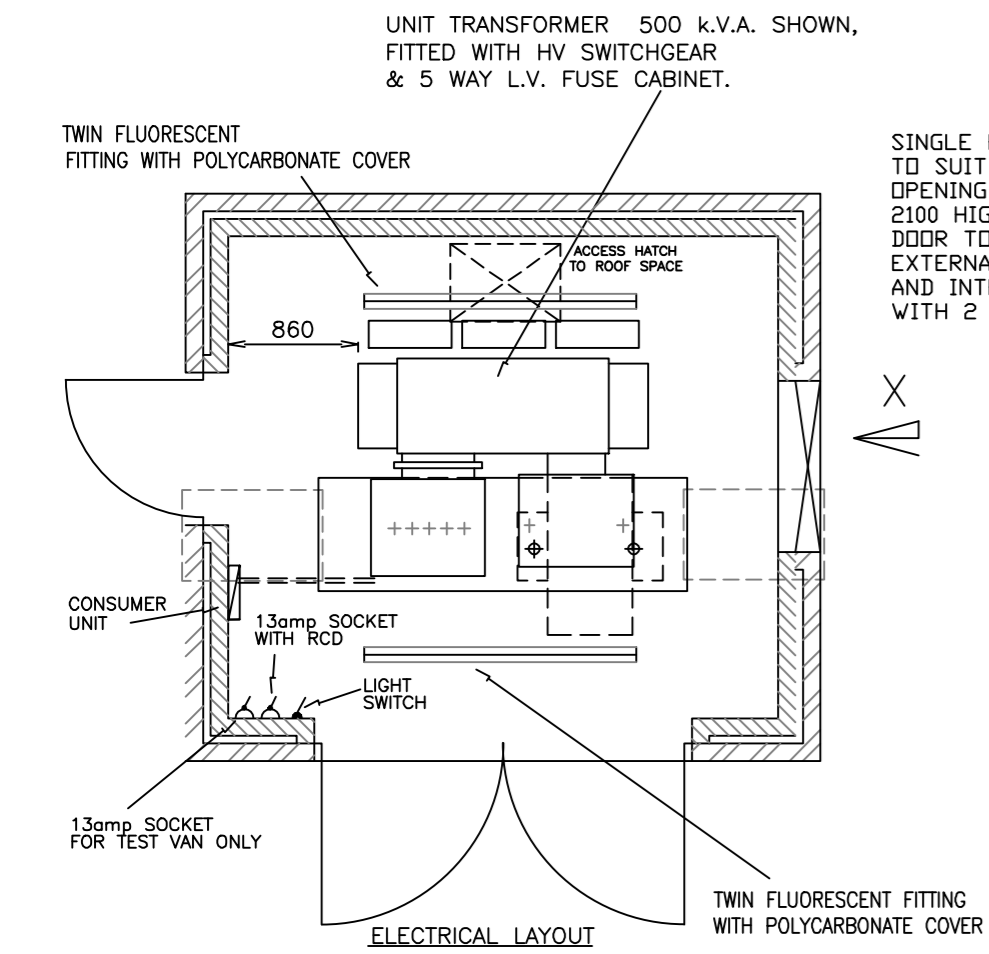
**DOORS:**  
Doors to be low maintenance GRP or hardwood with heavy-duty hold-open devices. (All WPD approved).  
Generally, bottom half of doors to be fitted with security ventilator louvre grilles to ensure cross-flow of ventilation.  
WPD to supply and fit Union 1001 or similar locking arrangement to accept WPD suited 1 x 1.6 pin cylinder. As an alternative if specifically agreed with WPD supply and fir heavy duty hasp and staple to receive padlock supplied by WPD.

**VENTILATION:**  
Wall louvre and door louvre at high level and bottom level will be provided to ha adequate ventilation within the substation.  
No air conditioning/cooling plant shall be installed within the substation.

**CABLE DUCTS:**  
To be sealed after installation of cables. Spare cuts to be sealed with expanding foam and ducts with cables to be sealed.

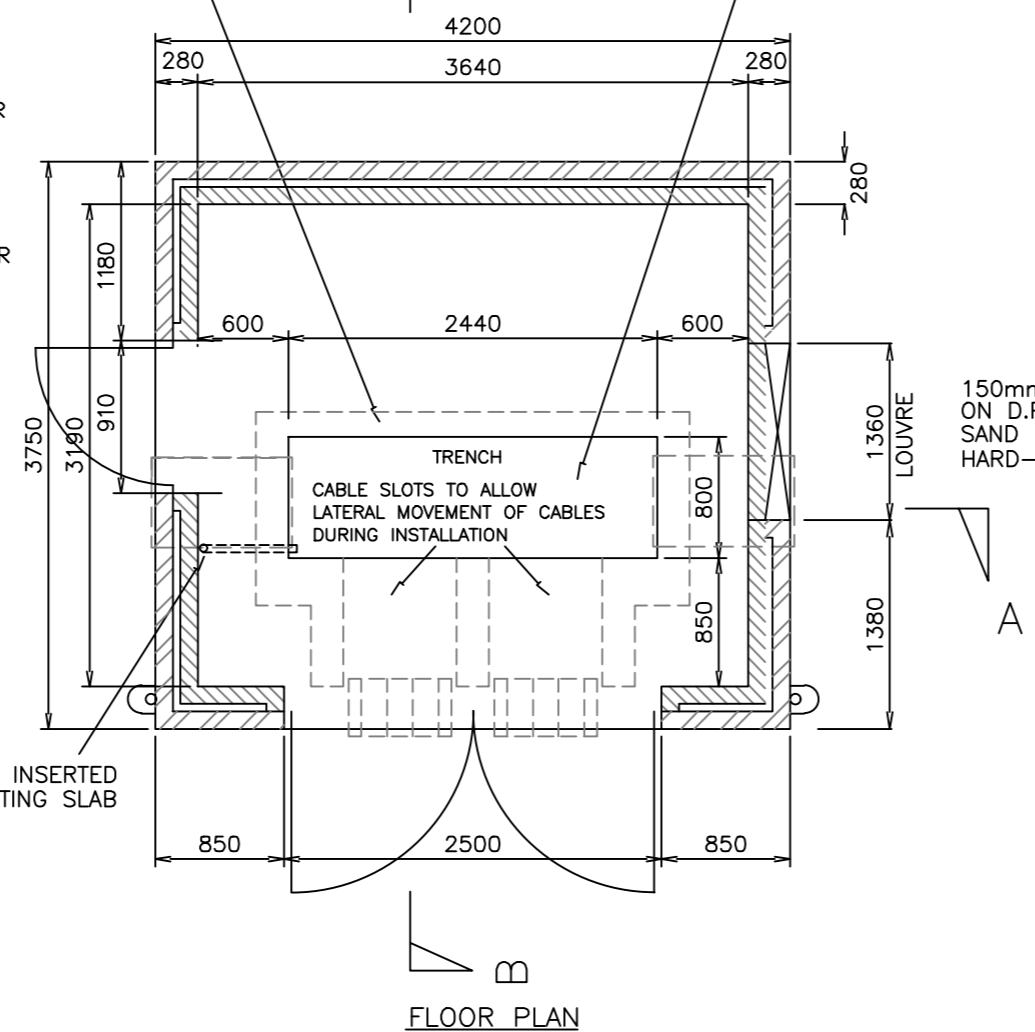
**WALLS:**  
To be 280mm cavity construction, both leaves tied together using proprietary galvanised ties every 6th course at an 900mm centres. Walls to incorporate cavity trays & weep holes where appropriate. Cavity to be closed with DPC to all openings. External leaf to be facing brickwork matching development. Inner leaf to be smooth textured, light colour solid concrete blocks/bricks 3.5N/mm2.

**ROOF:**  
To be constructed using marley roof tiles on treated S.W. battens fixed over good quality roofing felt onto braced timber roof trusses. Wall plates to be secure to brickwork using proprietary galvanised straps. Roof construction to incorporate cross ventilation and access hatch in ceiling. All work to be carried out to current British Standards and Codes of Practice.

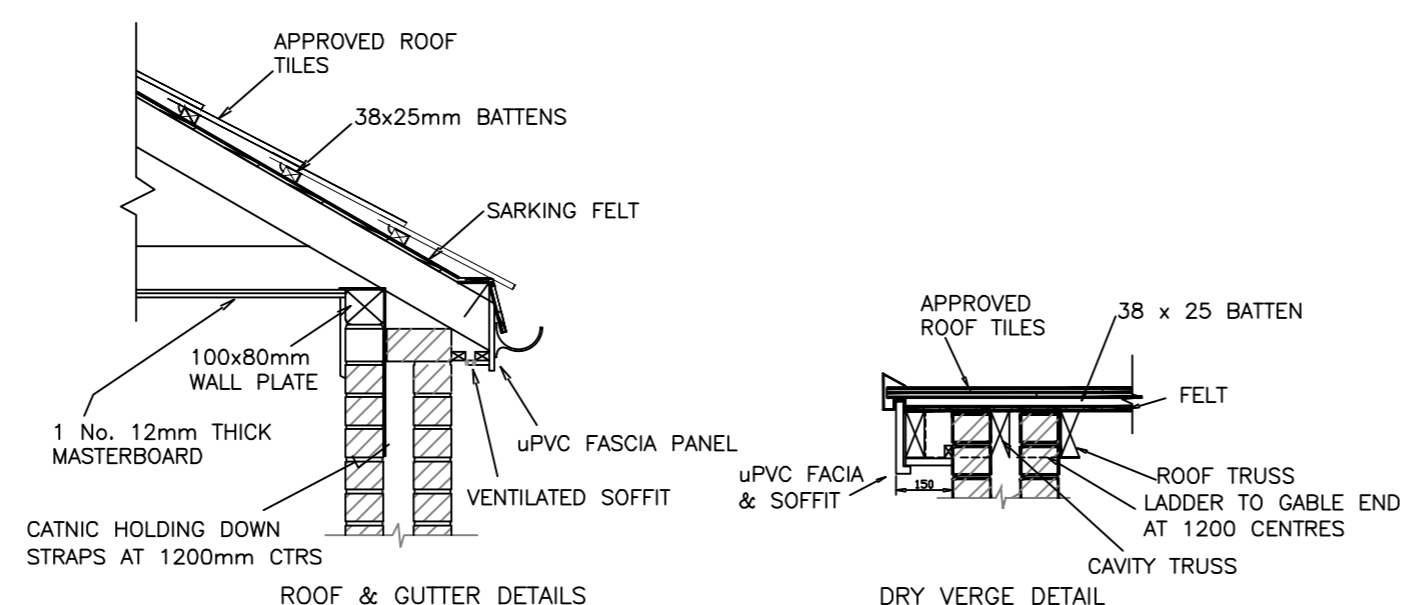
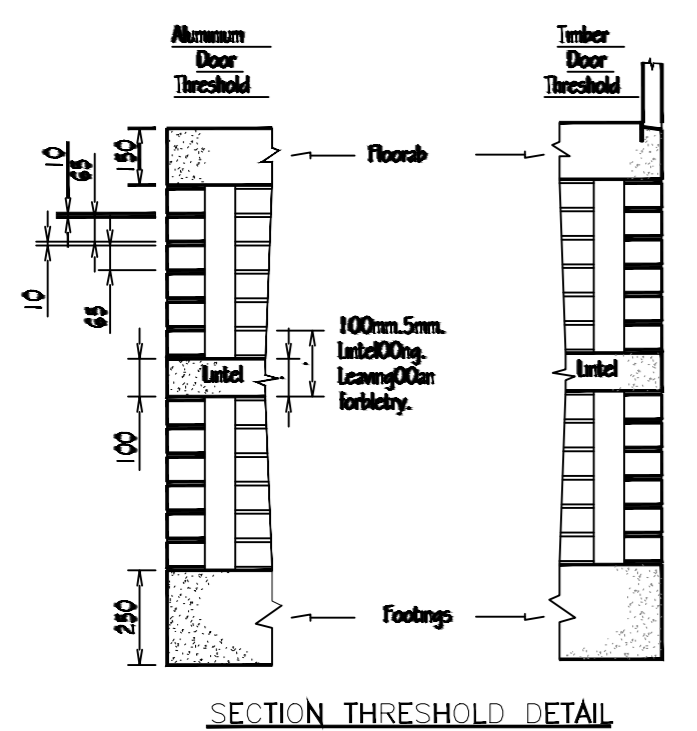


SINGLE PANIC EXIT DOOR TO SUIT STRUCTURAL OPENING 910mm WIDE x 2100 HIGH. DOOR TO HAVE NO EXTERNAL IRONMONGERY AND INTERNAL PANIC BAR WITH 2 POINT LOCKING.

HOCKEY STICK INSERTED PRIOR TO CASTING SLAB EATS 12/24



SECTION B-B



WPD Ref. No.

**WESTERN POWER DISTRIBUTION**

Emergency number: 0800 6783 105

DEVELOPMENT

**WHITE POST ROAD, BODICOTE, OX15 4BN**

DRAWING

**PROPOSED SUBSTATION LAYOUT**

Developer **Barratt + David Wilson Homes**

Land Owner **Barratt + David Wilson Homes**

DRAWING NUMBER **AP1337-ED-SUB** REVISION -

CONTRACT NUMBER **AP1337** DESIGN BY: N. Moghel DRAWN BY: J. Kaluga SCALE 1:50 @ A2 GRID REF: X: 406883 Y: 370888 DATE 23/10/2019

Rev	Description	Date	By
1.	-	-	-

**Aptus Utilities FOR CONSTRUCTION**

SIGNED *[Signature]*

DATE 12:21 pm, May 22, 2020

**Aptus Utilities Ltd**

©Aptus Utilities  
Aptus House, Unit 19-20,  
Barrs Fold Rd,  
Wingates Industrial Estate,  
Bolton, BL5 3XP