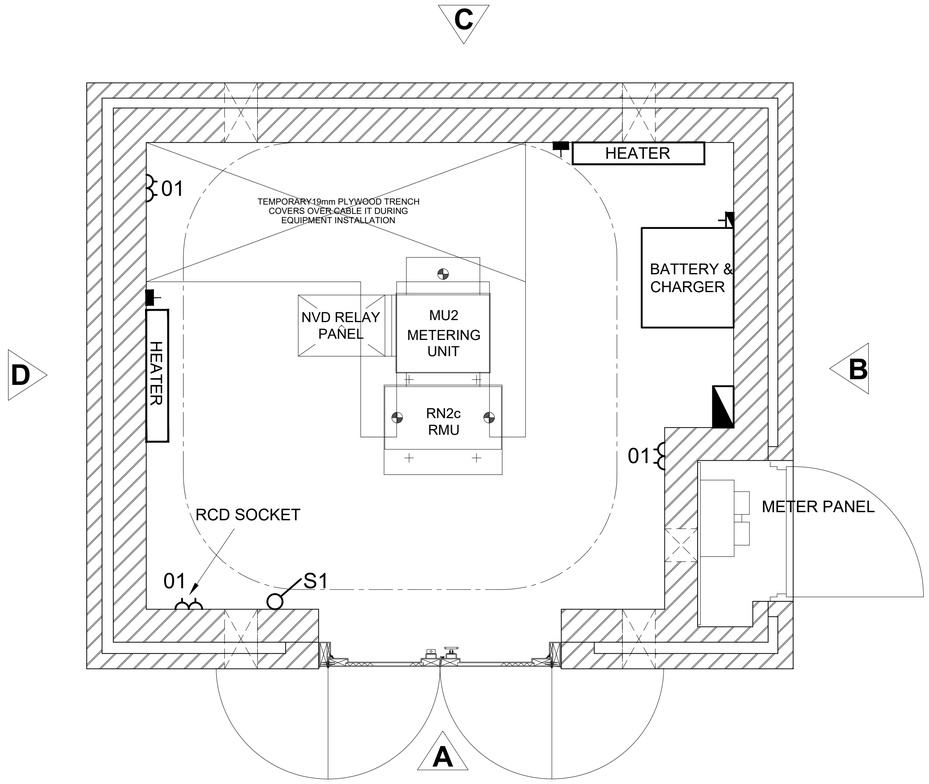
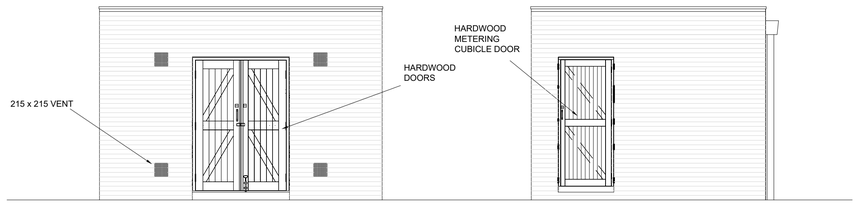
Unless Specified all Co-Ordinates are based upon OSGB 1936 National Grid (OSBG36)

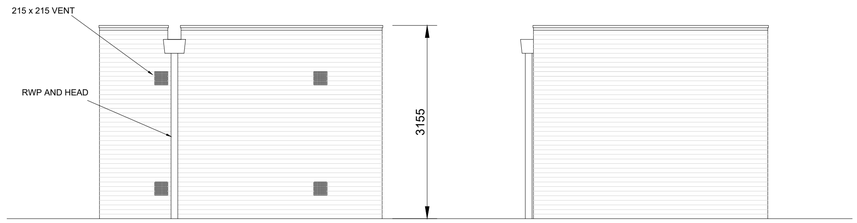



ELECTRICAL GENERAL ARRANGEMENT PLAN




ELEVATION @ `A'

ELEVATION @ `B'




ELEVATION @ `C'

ELEVATION @ `D'

## SCHEDULE OF EQUIPMENT FOR HEATING & LIGHTING INSTALLATION

| SYMBOL | REFERENCE | DESCRIPTION | HEIGHT ABOVE F.F.L. | QUANTITY |
|---|---|---|---|---|
| | S1 | 5 AMP 1 GANG 1 WAY SINGLE POLE SWITCH SURFACE MOUNTING IN PVC BOX | 1370 | 1 OFF |
| | L1 | 1500 LONG 65 WATT FLUORESCENT TUBE FITTING | 2475 | 2 OFF |
| | 01 | 13 AMP SOCKET OUTLET, UNSWITCHED 2 GANG, SURFACE MOUNTING PVC SOCKET BOX | 460 | 3 OFF |
| | FS13A | 13 AMP SWITCHED FUSED SPUR OUTLET | 1370 - HEATER | 2 OFF |
| | FS13A | 13 AMP UNSWITCHED FUSED SPUR OUTLET | 1370 - BAT. CHARGER | 1 OFF |
| | | 6 WAY LVAC DISTRIBUTION BOARD | 1370 | 1 OFF |

## NOTES

1. ALL CABLE PIPES TO PROJECT BEYOND BRICKWORK BY 150mm MIN. UNLESS STATED OTHERWISE.

2. THE EXTERNAL END OF ALL CABLE PIPES ARE TO BE TEMPORARY SEALED WITH EXPANDING FOAM.

3. FLOOR FINISH IS CRITICAL , TO BE LAID FLAT , LEVEL & TRUE WITH A SMOOTH POWER OR STEEL FLOAT FINISH DEVOID OF TROWEL MARKS TO +3mm IN 3m AND 1mm IN 1m EXPRESSED AS A MAX. PERMISSIBLE DEVIATION UNDER A STRAIGHT EDGE PLACED ANYWHERE ON THE SURFACE.

4. 2No COATS OF CONCRETE HARDENER/SEALER TO BE APPLIED TO FLOOR IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

5. ALL DUCTS BUILT THROUGH WALLS TO BE FULLY SEALED ALL AROUND THE OUTSIDE OF THEIR BARRELS WITH MORTAR AND TO BE FLUSH POINTED.

6. AFTER THE SUBSTATION IS COMMISSIONED, THE CONTRACTOR SHALL RETURN TO FILL THE CABLE TRENCHES WITH CLEAN DRY SAND TO A LEVEL 50mm BELOW F.F.L, FINISH WITH 1No LAYER OF VISQUEEN 1200T & 50mm THICK TOPPING OF SAND/CEMENT SCREED 3:1 LEVEL WITH ADJACENT FLOOR SURFACE.
ALL CIVIL DETAILS TO MEET REQUIREMENTS SHOWN IN SPEN DOCUMENT SUB-03-017 ISSUE 5

| V | Description | Designed | Checked | Approved | Date |
|---|---|---|---|---|---|
| 1.0 | Original | AR | ST | PL | 30/11/16 |

Status: FOR CONSTRUCTION


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Client: RCD Utility Services Ltd
Client Project Ref.: Pickhill Bridge Farm
Site Address: Pickhill Bridge Farm, Cross Lanes, Wrexham, LL13 0UH
Title: 11kV Substation Heating, Lighting & Power
Scale @ A1: 1:20 & 1:50
DNO: SPEN
Drawn by: AR
Drawing Number: Q6242-CV-05
Version: 1.0