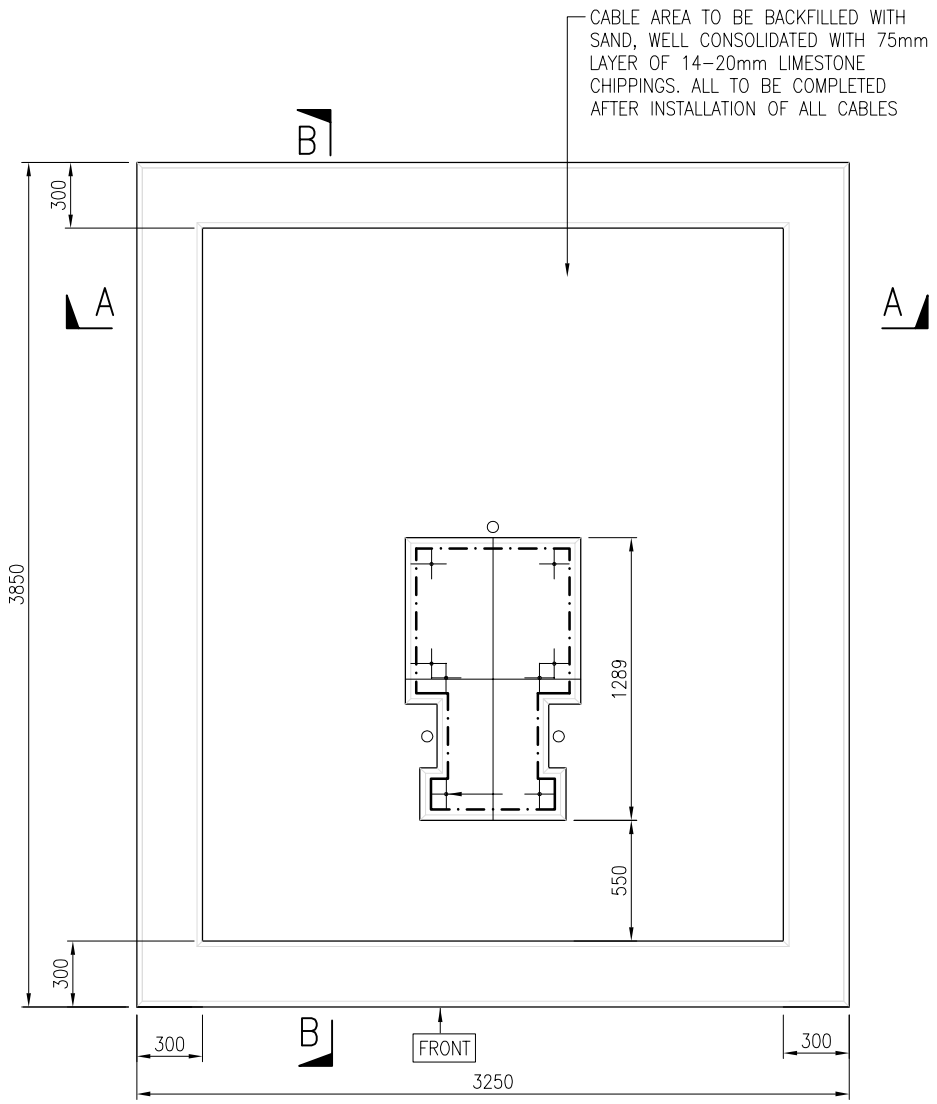
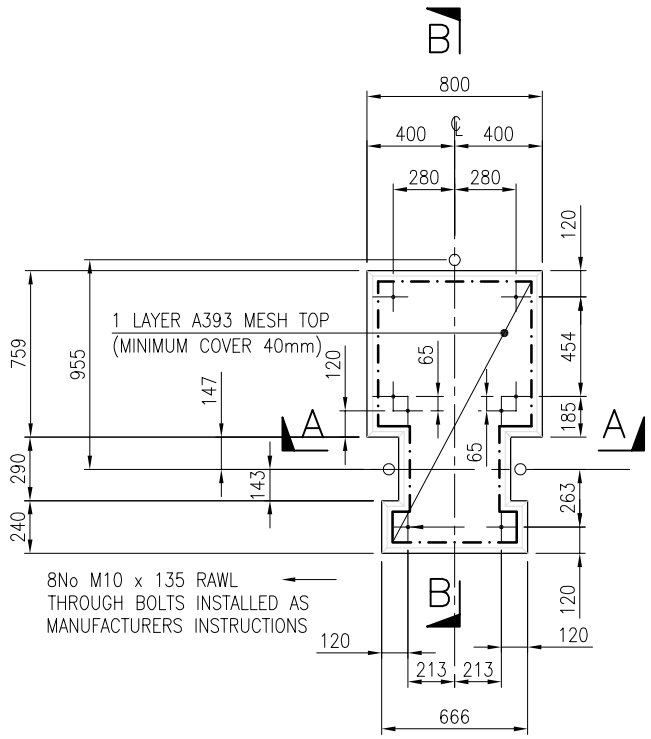
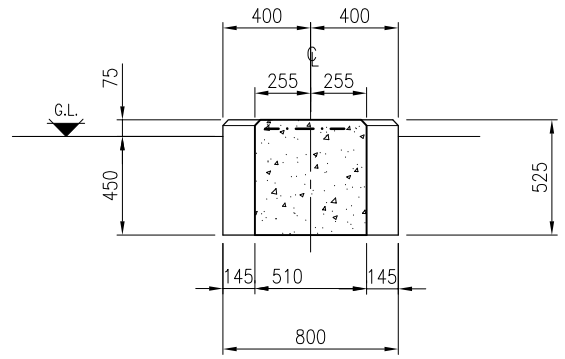


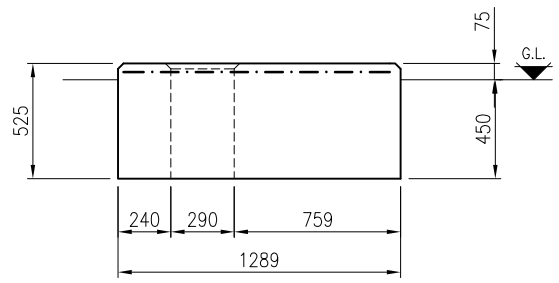
PLAN ON RING BEAM
(SCALE 1:25)



PLAN



SECTION A–A



SECTION B–B

SITE NOTES

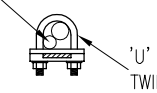
1. CONTRACTOR TO OBTAIN UNDERGROUND CABLE & SERVICE RECORDS PRIOR TO COMMENCEMENT OF ANY WORKS.
2. THE CONTRACTOR MUST ASSUME THAT ANY EXISTING CABLES LOCATED WITHIN THE WORKS ARE LIVE AND LIAISE WITH THE ELECTRICITY NORTH WEST ENGINEER FOR ADVICE.
3. SITE SPECIFIC RISK ASSESSMENT TO BE UNDERTAKEN PRIOR TO COMMENCEMENT OF ANY WORKS.
4. FOUNDATION DESIGN HAS BEEN BASED ON A SUITABLE BEARING PRESSURE FOR MOST GROUND CONDITIONS INCLUDING CLAYS. FORMATION LEVEL FOR FOUNDATIONS TO BE TAKEN DOWN TO GROUND THAT IS SUFFICIENTLY FIRM TO PROVIDE PHYSICAL SUPPORT TO THE STRUCTURE.
5. FOUNDATION FORMATION LEVELS TO BE INSPECTED AND APPROVED PRIOR TO FOUNDATION CONSTRUCTION.

GENERAL NOTES

1. DO NOT SCALE.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
3. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ELECTRICITY NORTH WEST CODE OF PRACTICE ES352
4. ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS AND RELEVANT BRITISH STANDARDS AND CODES OF PRACTICE.
5. CONCRETE TO BE STRENGTH CLASS C32/40 TO BS8500

T10 OR T12 REINFORCING BAR, FIXED WITHIN STRUCTURE, TIED TO A 150mm LONG T16 REINFORCING BAR AND TOGETHER CLAMPED WITHIN UBOLT.

NOTE
THE EARTHING TAPE IS ATTACHED TO THE MAIN REINFORCEMENT AND ROUTED TO EMERGE FROM THE INTERNAL FACE OF THE FORMWORK FOR THE FUTURE CONNECTION TO THE SWITCH HOUSE EARTHING SYSTEM.



'U' BOLT CLAMP, 25mm ROD DIA. TWIN PLATE, 25x3, BY OMEGA (TEL. No 0115 8767689) TO ACCOMODATE A 25x4mm EARTH TAPE.

CLAMPED CONNECTION WRAPPED WITH DUCK TAPE PRIOR TO POURING CONCRETE

DETAIL OF REINFORCEMENT/EARTHING CLAMP
(SCALE 1:5)

NOTES

1. Concrete to be strength class C32/40 to BS 8500. Refer to the JAB Design concrete specification.
2. Loose bar reinforcement to have the following minimum laps UNO: –
   - H8 = 300mm
   - H10 = 350mm
   - H12 = 420mm
   - H16 = 560mm
3. Standard fabric mesh reinforcement to have the following minimum laps UNO: –
   - A142 = 250mm – A252 = 250mm
   - A913 = 250mm – A393 = 270mm
   - B283, B385, B503 main bars = 250mm
   - B785 main bars = 270mm
   - B1131 main bars = 325mm
   - B283 & B385 cross bars = 250mm
   - B503, B785, B1131 cross bars = 250mm
4. 40mm cover to all reinforcement UNO.
5. Bar references shall be interpreted thus: –

   85 H12 – 27 – 125 T1
   - Location
   - Spacing
   - Bar Mark
   - Bar Diameter
   - Type of Steel
   - Number of Bars
6. Locations: –
   - T1 Denotes Top face, top layer
   - T2 Denotes Top face, second layer
   - B2 Denotes Bottom face, second layer
   - B1 Denotes Bottom face, bottom layer
   - NF Denotes Near face
   - FF Denotes Far face
   - EF Denotes Each face
   - EW Denotes Each way
   - ABR Denotes Alternate bars reversed
   - ALT Denotes Bars alternately placed
7. "T" Denotes deformed Type 2 high yield steel bars to BS 4449:9197 – characteristic yield strength 460MPa.
8. "H" Denotes deformed Type 2 high yield steel bars to BS 4449:2005 – characteristic yield strength 500MPa.
9. T–bar reinforcement in accordance with BS 4449:9197, may be directly substituted with H–bar reinforcement in accordance with BS 4449:2005.

BS No. 001									
01	H10	1	88	88	1450	51	215	440	
02	H12	1	48	48	1075	11	720	375	
03	H12	1	12	12	2600	00	2600		
04	H12	1	12	12	3200	00	3200		

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CIVIL DISTRIBUTION SUBSTATION

PLINTH FOR
SCHNEIDER RMU & METERING UNIT

DRAWN	JRB	SCALE	1:25	SITE NAME	–		
APPROVED	WD	DATE	APRIL 2014	P.F.R. NO.	–	DWG STATUS	APPROVAL
OLD DWG NO	–	SHEET SIZE	A3	DWG NO	900350–016	REV	1