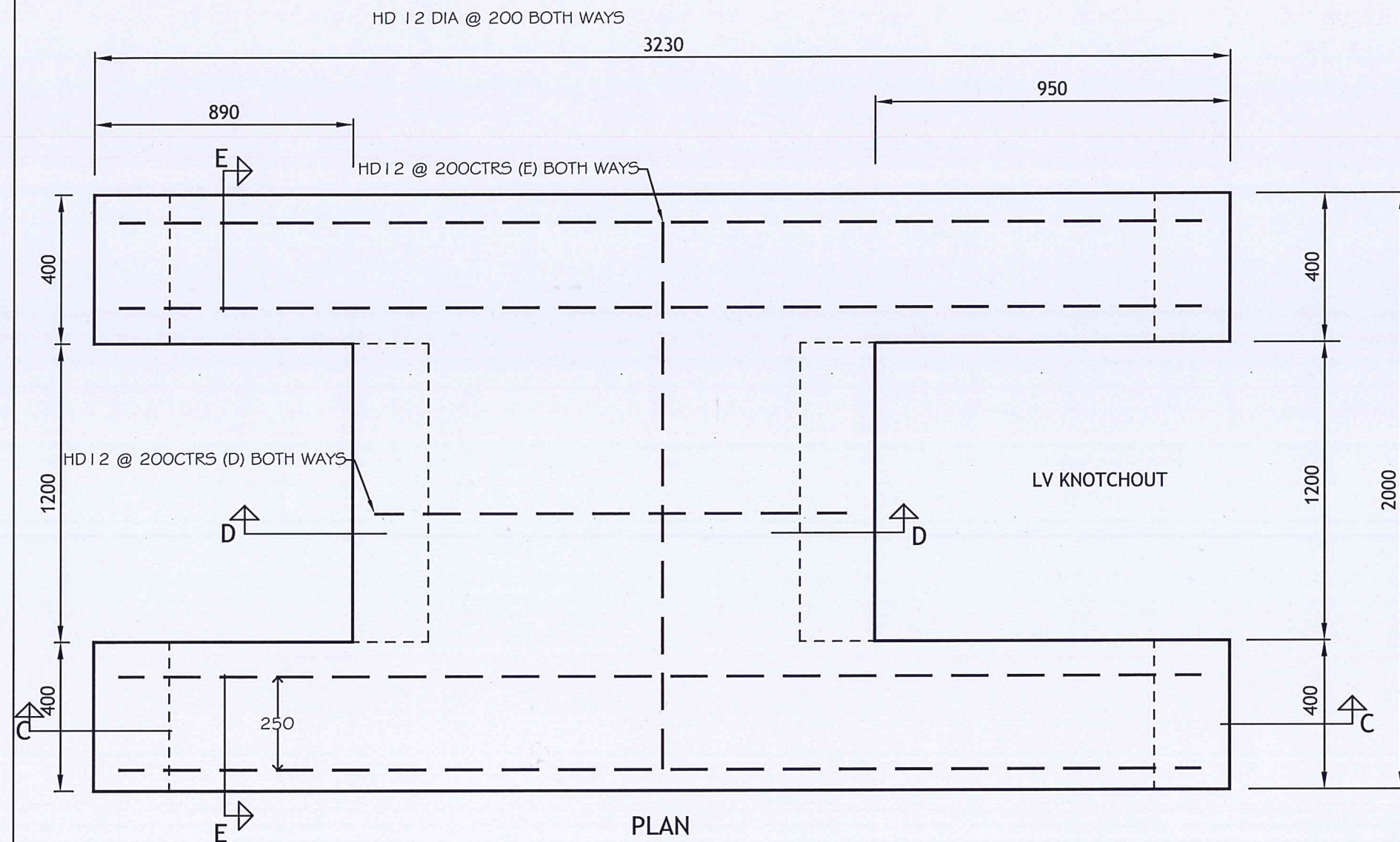


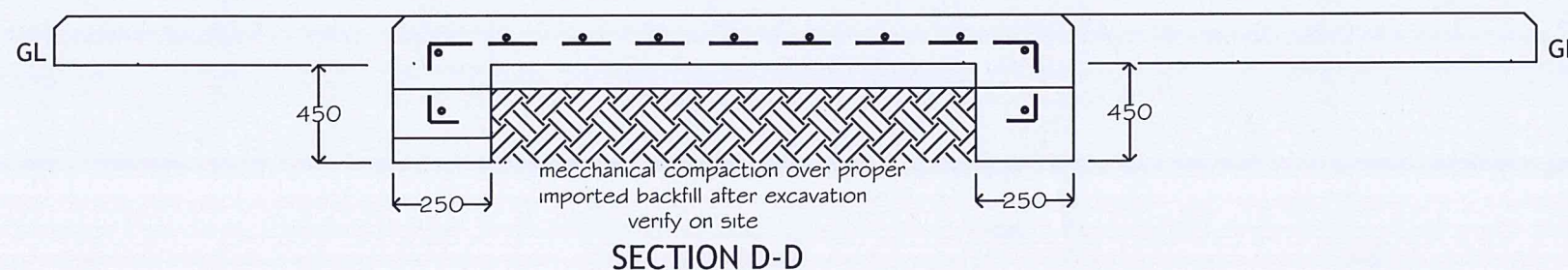
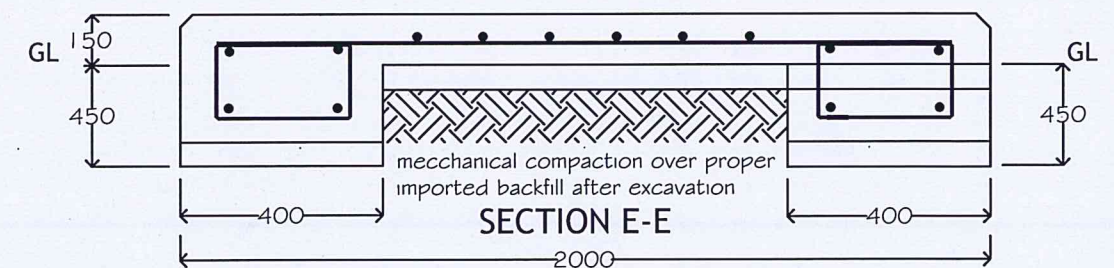
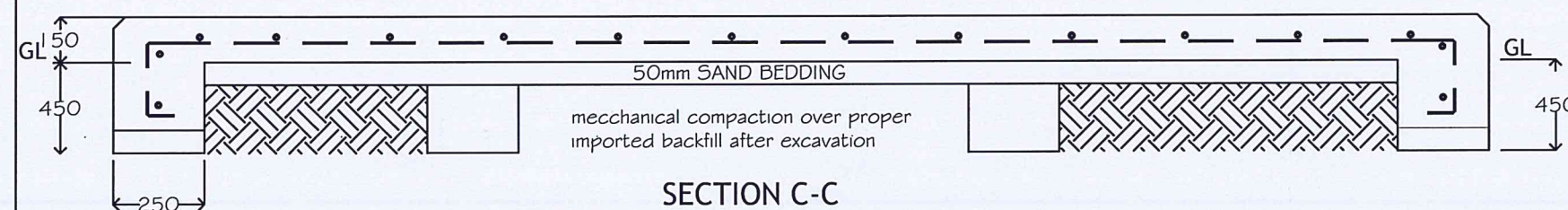
A3 01 C12 010

**FABRICATION**

- (a) CONCRETE SHALL BE HIGH GRADE 30MPa IN ACCORDANCE WITH NZS 3104 AND SHALL HAVE A MAXIMUM PARTICLE SIZE OF 20mm.
- (b) REINFORCING SHALL BE HIGH GRADE 430 DEFORMED STEEL BAR IN ACCORDANCE WITH NZS 3402.
- (c) THE CONCRETE INSERTS SHALL BE 316 GRADE STAINLESS STEEL.
- (d) THE TOP & SIDES OF THE UNIT SHALL HAVE A SURFACE FINISH OF CLASS F4 IF CAST AGAINST THE MOULD AND U3 IF THE TOP OF THE POURED UNIT IN ACCORDANCE WITH NZS 3114.
- (e) GROUND OR FLOOR SPACE OF 5m x 4m TO BE PROVIDED BY DEVELOPER/CUSTOMER.

NOTE: REFER TO DWG No. 01 C12 011 FOR FOUNDATION DETAILS.

NOTE: THIS STANDARD DESIGN IF NOT FOLLOWED ON SITE THEN CONSULTANT SHOULD SUBMIT A STAMPED MODIFIED DRAWING FOR EFL APPROVAL PRIOR TO CONSTRUCTION AND INSPECTION



Rohak Kumar
CCW
24/09/18

Navneet Sen
CEW
24/09/18

ENERGY FIJI LIMITED

CONCRETE PLINTH
FOR TYREE TRANSFORMERS
FOR 300 - 1000 kVA RATINGS

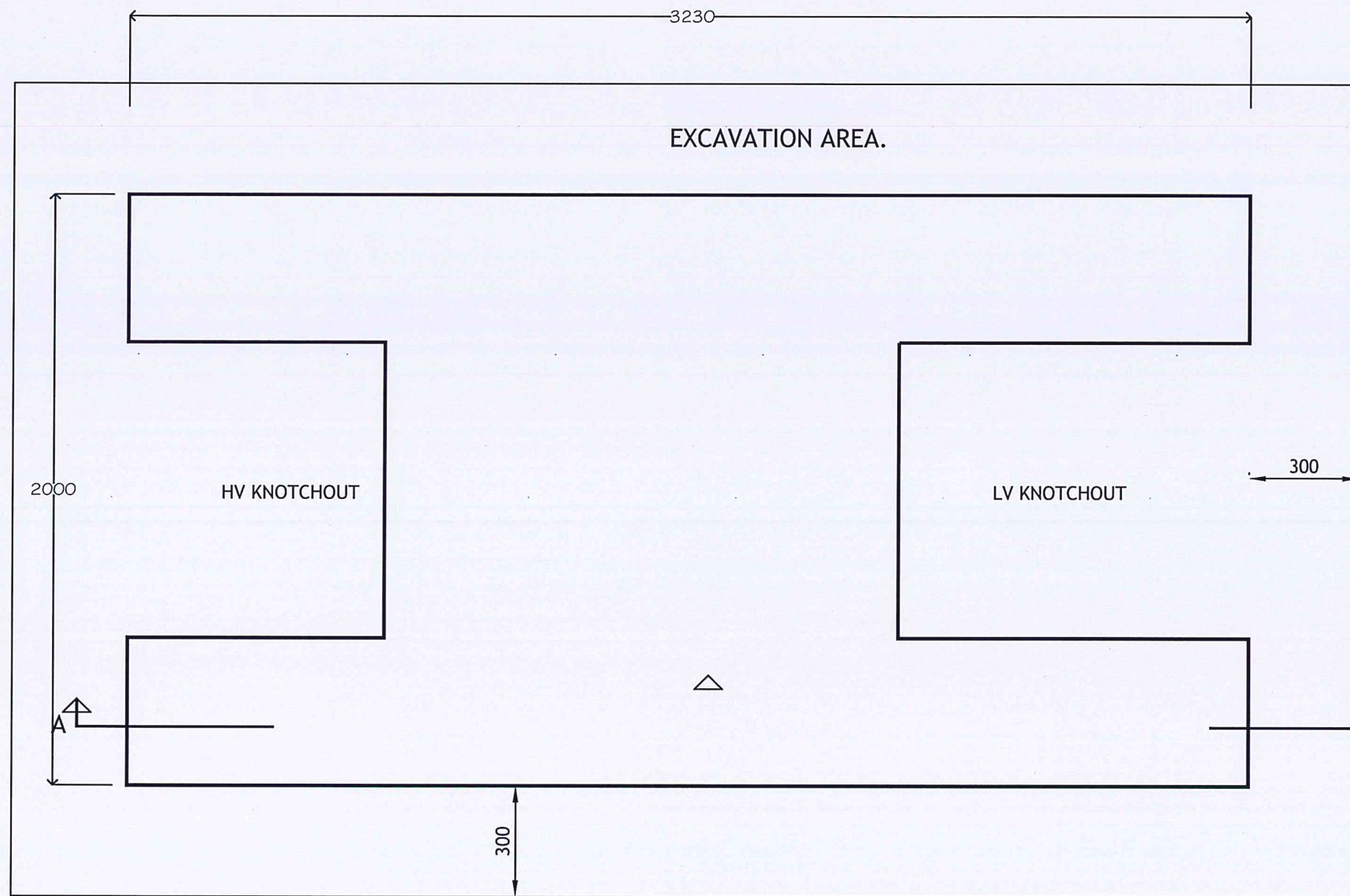
DRAWING NUMBER

A3 01 C12 010

SCALE NTS

								DRAWN	QAYS.M	15.9.15
								REVIEWED	Rajiv.S	20/9/18
								CHIEF DRAUGHTSMAN	CCW	24/9/18
								STANDARDS ENG.	Rajiv.S	20/9/18
								CIVIL ENG.		
								HEAD OF DEPARTMENT		
No.	RFVISION	DATE	BY	CHK	PSD	APP				
2.	ADJUSTMENT ON PLINTH TO MATCH TYREE TRANSFORMERS	16.08.18	RHS							
1.	ADJUSTMENT ON PLINTH TO MATCH ETEL 200 - 1MVA PDMNTS	02.02.16	SA							
0.	ORIGINAL ISSUE	15.9.15	QM							

A3 01 C12 011



PLAN

TYREE TRANSFORMER DIMENSIONS & WEIGHT DETAILS

kVA	OVERALL LENGTH	OVERALL WIDTH	OVERALL HEIGHT	GROSS WEIGHT (KG)
300	2950	1370	1522	3405
500	2950	1370	1522	3800
750	2950	1500	1642	4580
1000	2950	1500	1642	5250

INSTALLATION

- A. THE CABLE TRENCH EXCAVATION, CABLE INSTALLATION AND TRENCH BACKFILL ARE COVERED BY OTHER SPECIFICATIONS.
- B. NORMAL TRENCH BACKFILLING SHALL NOT BE USED IN THE AREA TO BE COVERED BY THE REINFORCED CONCRETE PLINTH.
- C. AN AREA EXTENDING 300mm OUTSIDE THE EDGES OF THE RC PLINTH SHALL BE EXCAVATED TO THE LEVEL AS FOLLOWS:
1-IN STIFF CLAY, SANDSTONE OR FULLY COMPACTED (MECH) TO DIG AROUND 200mm BELOW FINISHED GROUND LEVEL.
2-IN FIRM CLAY TO DIG AROUND 350mm BELOW FINISHED GROUND LEVEL.
3-IN SOFT CLAY OR SOIL TO DIG AROUND 450mm BELOW FINISHED GROUND LEVEL.
- D. THIS AREA SHALL BE BACKFILLED WITH COMPACTED GRANULAR HARD FILL THEN COVERED WITH A 50mm LEVEL LAYER OF SAND.
- E. EARTHING CONDUCTORS SHALL BE INSTALLED IN CABLE TRENCHES BEFORE THE BASE IS INSTALLED..
- F. FOR BASE FABRICATION DETAILS REFER DRWGS ABOVE.
- G. GL IS FINAL 'GRANNULAR LEVEL' OVER BACKFILL AFTER FULL COMPACTION



REFER NOTE C

SECTION A-A

TOP SOIL AROUND SLOPING OUTWARD

GRANULAR HARDFILL OR AP40 (COMPACTED), REFER: NOTE C1-3
COMPACTED GRANNULAR TO BE PROTECTED FROM STORMWATER AFTER PLACING CONCRETE AND AFTER FINISHING EARTHING WORKS ETC. TO BE PERMANENTLY COVERED WITH COMPACTED PROPER SOIL MATERIALS SLOPING OUTWARDS AROUND RC PLINTH TO AVOID WATER WEAKENING ITS BASE

NOTE: THIS STANDARD DESIGN IF NOT FOLLOWED ON SITE THEN CONSULTANT SHOULD SUBMIT A STAMPED MODIFIED DRAWING FOR EFL APPROVAL PRIOR TO CONSTRUCTION AND INSPECTION

Ronald Kumar Navneet Sen
24/09/18
24/09/18

ENERGY FIJI LIMITED

RECOMMENDED FOUNDATION PLAN
FOR CONCRETE BASE
FOR 300 - 1000 kVA
TYREE PADMOUNT TRANSFORMERS

DRAWING NUMBER

A3 01 C12 011

SCALE NTS

No.	REVISION	DATE	BY	CHK	PSD	APP	HEAD OF DEPARTMENT
2.	ADJUSTMENT ON PLINTH TO MATCH TYREE TRANSFORMERS	16.08.18	RHS				
1.	ADJUSTMENT ON PLINTH TO MATCH ETEL 200 - 1MVA PDMNTS	02.02.16	SA				
0.	ORIGINAL ISSUE	15.9.15	QM		02.02.16	SA	