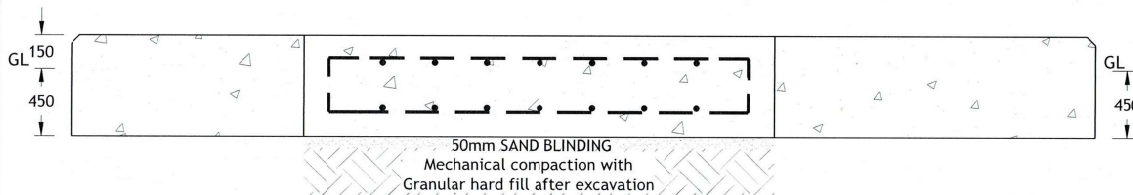
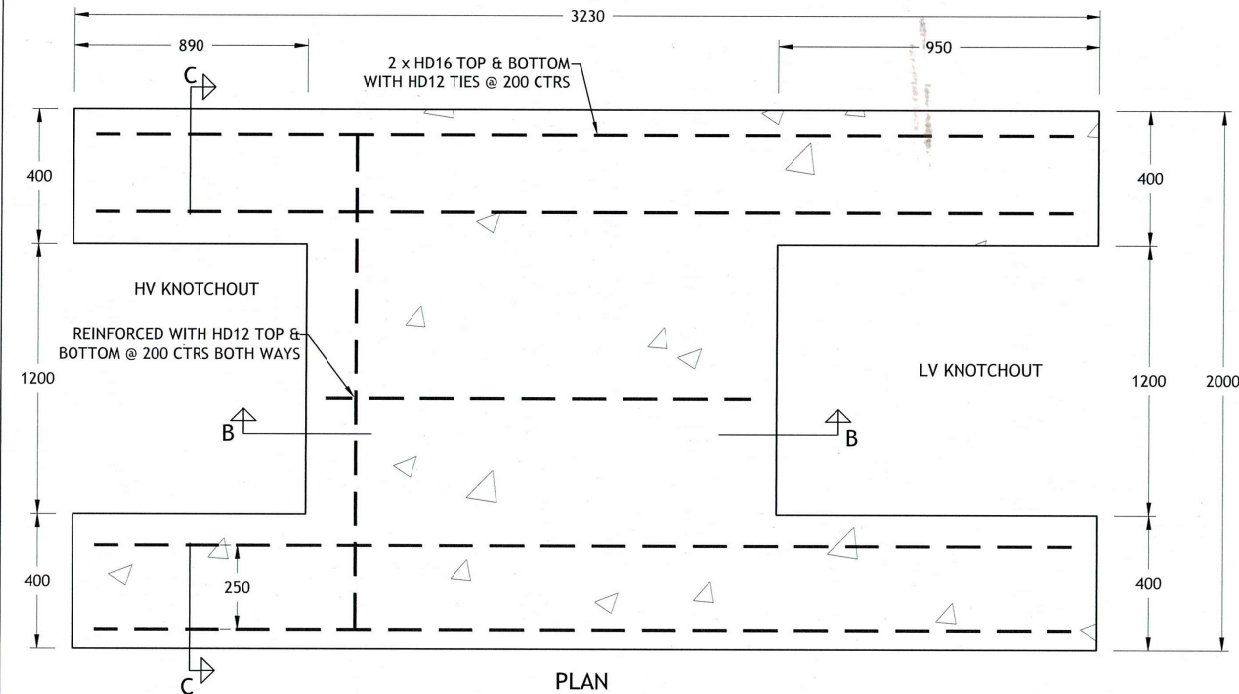


A3 | 01 | C12 | 010

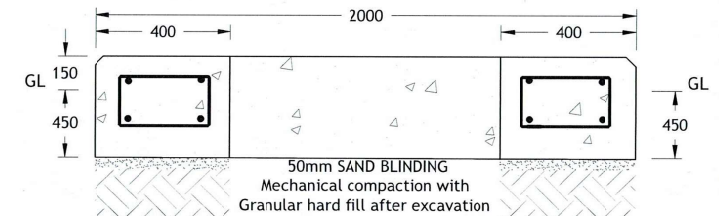


CONCRETE COVER DETAILS

MEMBER	COVER CAST AGAINST AND EXPOSED TO EARTH (mm)	EXPOSED TO WEATHER (mm)
FOOTING	75	50
SLAB	75	50

FABRICATION

- CONCRETE SHALL BE HIGH GRADE 30MPa IN ACCORDANCE WITH NZS 3104 AND SHALL HAVE A MAXIMUM PARTICLE SIZE OF 20mm.
- REINFORCING SHALL BE HIGH GRADE 500 DEFORMED STEEL BAR IN ACCORDANCE WITH NZS 3402.
- 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.
- GROUND OR FLOOR SPACE OF 5m x 4m TO BE PROVIDED BY DEVELOPER/CUSTOMER.
- APPROVED DPC TO BE USED WITH 50mm SAND BLINDING.
- COVERS TO BE MAINTAINED DURING CASTING CONCRETE BY USE OF BAR CHAIRS OR MORTAR CUBE 1:2 MIX AT MAXIMUM 500mm CENTERS.
- NOTE THAT IF THIS STANDARD DESIGN IS NOT FOLLOWED ON SITE THEN THE CONSULTANT SHALL SUBMIT A STAMPED MODIFIED DRAWING FOR EFL'S APPROVAL PRIOR TO CONSTRUCTION AND INSPECTION.
- THE DEVELOPER/ CONSULTANT IS RESPONSIBLE FOR PROVIDING A CIVIL ENGINEER'S CERTIFICATION UPON COMPLETION OF WORK.
- REFER TO DRAWING NUMBER A3/01/C12/011 FOR FOUNDATION PLAN DETAILS.
- ALL DIMENSIONS ARE IN mm UNLESS STATED.



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	4530
1000	2950	1500	1642	5230

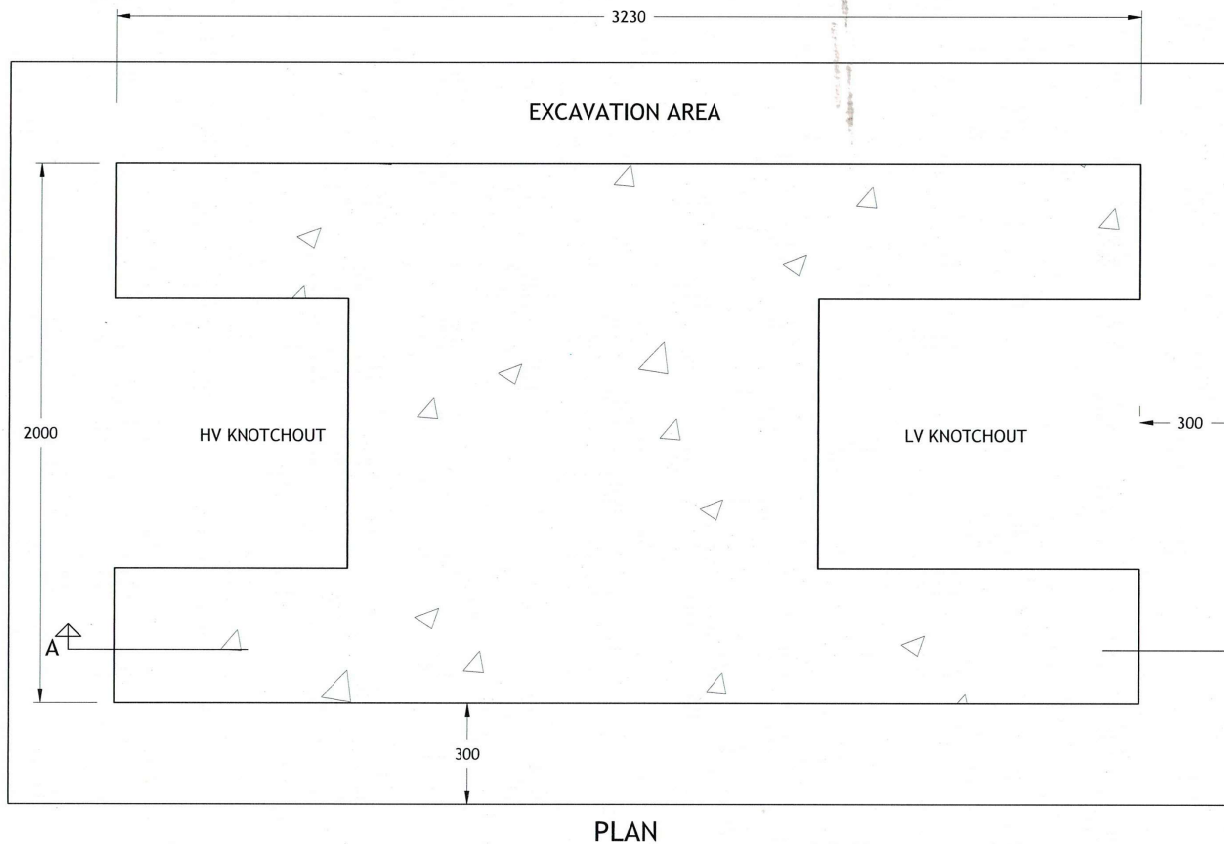
No.	REVISION	DATE	BY	CE	SE	APP	DRAWN	QAYS M	15.09.15
3.	INCLUSION OF CONCRETE COVER & REINFORCEMENT DETAILS	12.03.21	RHS				REVIEWED	SHAVNIL C	20.09.18
2.	ADJUSTMENT ON PLINTH TO MATCH TYREE TRANSFORMERS	16.08.18	RHS	SC	RHS	BK	CHIEF DRAUGHTSMAN	KELEVI M	20.09.18
1.	ADJUSTMENT ON PLINTH TO MATCH ETEL 200 -1MVA PDMNTS	02.02.16	SA	MAK		BK	STANDARDS ENG.	RAJIV S	20.09.18
0.	ORIGINAL ISSUE	15.09.15	QM	MAK		BK	CIVIL ENGINEER	M ANEES	20.09.18
							HEAD OF DEPARTMENT	BASANT K	20.09.18

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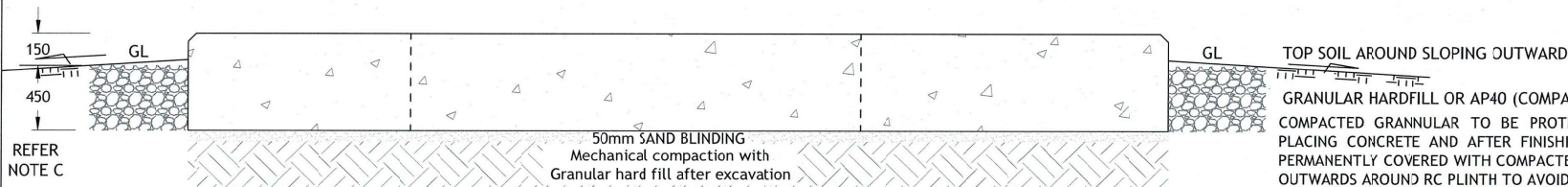
STANDARD CONSTRUCTION DRAWING
FOR CONCRETE PLINTH
TYREE PAD-MOUNT TRANSFORMERS

DRAWING NUMBER
A3 | 01 | C12 | 010
SCALE: NTS

A3 | 01 | C12 | 011

**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:
 - IN STIFF CLAY, SANDSTONE OR FULLY COMPACTED (MECH) TO DIG AROUND 200mm BELOW FINISHED GROUND LEVEL.
 - IN FIRM CLAY TO DIG AROUND 350mm BELOW FINISHED GROUND LEVEL.
 - 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. GL IS FINAL 'GRANULAR LEVEL' OVER BACKFILL AFTER FULL COMPACTION.
- G. NOTE THAT IF THIS STANDARD DESIGN IS NOT FOLLOWED ON SITE THEN THE CONSULTANT SHALL SUBMIT A STAMPED MODIFIED DRAWING FOR EFL's APPROVAL PRIOR TO CONSTRUCTION AND INSPECTION.
- H. FOR BASE FABRICATION AND CONSTRUCTION DETAILS REFER TO DRAWING NUMBER A3/01/C12/010.
- I. ALL DIMENSIONS ARE IN mm UNLESS STATED.



TOP SOIL AROUND SLOPING OUTWARD

GRANULAR HARDFILL OR AP40 (COMPACTED), REFER: NOTE C.
 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.

							DRAWN	QAYS M	17.02.14
3.	INCLUSION OF CONCRETE COVER & REINFORCEMENT DETAILS	12.03.21	RHS	SC	RHS	BK	REVIEWED	SHAVNIL C	20.09.18
2.	ADJUSTMENT ON PLINTH TO MATCH TYREE TRANSFORMERS	16.08.18	RHS	SC	RHS	BK	CHIEF DRAUGHTSMAN	KELEVI M	20.09.18
1.	ADJUSTMENT ON PLINTH TO MATCH ETEL 200 -1MVA PMNTS	02.02.16	SA	MAK		BK	STANDARDS ENG.	RAJIV S	20.09.18
0.	ORIGINAL ISSUE	15.09.15	QM	MAK		BK	CIVIL ENGINEER	M ANEES	20.09.18
No.	REVISION	DATE	BY	CE	SE	APP	HEAD OF DEPARTMENT	BASANT K	20.09.18

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FOUNDATION PLAN
 FOR CONCRETE PLINTH
 TYREE PAD-MOUNT TRANSFORMERS

DRAWING NUMBER

A3 | 01 | C12 | 011

SCALE: NTS