

NOTE

- TRANSFORMER MOUNTING BOLTS ARE TO BE STAINLESS STEEL GRADE A2 (304) CLASS 70 MINIMUM.
- FOOTING TO BE CONCRETE 750MM DIA MINIMUM AS PER DRG 011981.
- EARTHING TO BE IN ACCORDANCE WITH MC10005 & SDI100.
- FOR LV PHASE AND NEUTRAL USE AS A MINIMUM ONE (1) 95MM SDI ALUMINIUM CABLE.
- IF AN LV CROSSARM IS REQUIRED THEN USE THE STANDARD URBAN SUBSTATION LV CROSSARM XA065.

ITEM	QTY	DESCRIPTION	REMARKS
BA001-S	1	BOLT 20MM S/STEEL (TRF+POLE)	NOTE 1
BA006	1	BOLT 20MM (POLE+XARM)	
BA006-S	1	BOLT 20MM S/STEEL (TRF+POLE)	NOTE 1
BA021	1	HOOK PLATE	
BA028	7	POLE STEP	
BA034	1	STRAP BANDIT 19MM S/S	
BA040-16	2	BOLT 16MM (POLE+BRACKET)	
BA060-750	2	BRACE CROSSARM STD 750mm	
IA010	4	INS. LONG PIN CCT	
IA025-ND-T	3	SURGE DIVERTER (NO ELD)	
IA030	1	DROP OUT FUSE	
IA052-1	1	FUSE SWITCH SERVICE 100A 1PH	
MA024	AR	LUG 1 HOLE SUIT 40mm CCT	
MA036	3	OH TO UG EARTH GRID CONN.	NOTE 3
MA037	4	OH EARTH CONNECTION-LUG	
MA038	A/R	CABLE SADDLE + INS.	
MA150	1	BRACKET TRANSFORMER MOUNT	
MA170	3	EARTH BATTERNS	
TRF	1	TRANSF. SWER (SIZE TO SUIT)	
XA055	1	XARM HV STD 1800x100x200	
XA060	1	XARM HV STANDOFF 1800x100x100	

TYPICAL SINGLE LINE DIAGRAM

HV OVERHEAD CONDUCTORS
DROP OUT FUSE
SURGE DIVERTERS
TRANSFORMER
TRANSFORMER TANK EARTH CONNECTION E.R.
12.7kV S.W.E.R.
LV NEUTRAL
100A SWITCH FUSE
LV ACTIVE

Endeavour Energy

DO NOT SCALE DIMENSIONS IN MILLIMETRES

REFERENCE DRAWINGS

AUTHORISED W. Isley

MANAGER ASSET ENGINEERING 17/10/2008

OVERHEAD 12.7KV SWER ISOLATING SUBSTATION GENERAL ARRANGEMENT

DATE 17/10/2008

DRAWN G. Ford

CHKD G. Ford

APPROVED G. Ford

SHEET No 1 OF 1 SHEETS