



- NOTE 1 FOR SETTING OUT DIMENSIONS OF SECURITY FENCE SEE 047/3643
2 FOR STANDARD EARTHING SPECIFICATION SEE 054/393 SHT 1025
3 EARTH MAT SHOWN THUS
4 FOR EQUIPMENT FOUNDATION LAYOUT SEE BAY DESIGN SCHED 047/3637 (SEE ALSO NOTE 14)
5 ARROW ON BAY & THUS INDICATES ORIENTATION OF EQUIPMENT FOUNDATIONS, WHEN LINED UP WITH SIMILAR ARROW ON STANDARD BAY LAYOUT
6 COLUMN FOUNDATIONS IN FILL TO BE TAKEN DOWN INTO NATURAL GROUND TO THE DEPTH INDICATED ON DETAIL DRAWINGS
7 DEPTH OF EQUIPMENT FOUNDATIONS TO BE NOT LESS THAN SHOWN ON DRG AND NOT LESS THAN 0.3 INTO NATURAL GROUND
8 REINFORCEMENT FOR FOUNDATIONS IN FILL TO BE EXTENDED TO FULL DEPTH OF CONCRETE
9 ALL FOUNDATION LEVELS GIVEN ARE TO TOP OF CONCRETE UNDERSIDE OF BASEPLATES ALLOWING FOR 30mm OF GROUT, ARE 0.03m HIGHER
10 FOUNDATIONS INDICATED AS FORMING PART OF GROUPS ARE TO BE CAST AS A GROUP AS WELL AS INDIVIDUALLY TO AN ACCURACY COMPLYING TO NWS L31 CLAUSE 8.4.2
11 FOUNDATIONS NOT GROUPED ARE TO BE CAST TO AN ACCURACY COMPLYING TO CLASS B TOLERANCE
12 FOR CIVIL CONSTRUCTION DETAILS SEE 054/390 TRENCHES ARE INDICATED THUS
13 THE SMALL LABEL BASES 054/002 ARE TO BE POSITIONED TO SUIT ON SITE ONE FOR EACH ISOL/E SW OPERATING MECHANISM
14 HY YARD EARTH MAT TO BE CONNECTED TO GEN TRFR YARD EARTH MAT SEE DRG 047/16582 SHT 1
15 ALL COLUMN EARTHING TO BE DOUBLE 50x3 STRAPS
16 STAGE 1 (2006) ALL NEW JB TMS SHOWN THUS, CL FOR DETAILS AND EARTHING SEE BAY LAYOUT 047/3637. WHERE NEW TMS AND JB FOUNDATIONS ARE INSTALLED, THE REPLACED TMS, JB'S AND FOUNDATIONS ARE TO BE REMOVED AT THE END OF THE PROJECT.

SCHEDULE OF MAIN BASES - 400KV (STAGE 1)						
ITEM	MARK	TYPE	No OFF	DRG No	LEVEL TO TOP OF CONC EXCLUDING GROUT	REMARKS
COLUMN	C101 TO C108	C13	8		1624.75	
	C109	C4	1		1625.25	
	C110	C3	1		1625.53	
	C111, C112	C3	2		1625.92	
	C113, C114	C4	2		1626.06	
	C115, C116	C3	2		1625.41	
	C117, C118	C12	2	047/4062	1625.69	
	C119, C120	C12	2	047/4065	1625.08	
	C121, C122	C12	2		1626.22	
	C123, C124	C12	2		1625.52	
	C125	C4	1		1625.79	
	C126	C3	1		1626.18	
	C127, C128	C3	2		1626.32	
	C129, C130	C4	2			
	C131, C132	C3	2			

SCHEDULE OF MAIN BASES - 275KV YARD (STAGE 1)						
ITEM	MARK	TYPE	No OFF	DRG No	LEVEL TO TOP OF CONC EXCLUDING GROUT	REMARKS
COLUMN	C1, C2		2		1625.61	
	C3, C4		2		1625.9	
	C5, C6, C7, C8	HEAVY	4		1626.27	
	C9, C10		2		1626.43	
	C11, C12, C13, C14	LIGHT	4	047/4063	1626.05	
	C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32, C33, C34, C35, C36, C37, C38, C39, C40, C41, C42, C43, C44, C45, C46, C47, C48, C49	HEAVY	13	047/4064	1626.62	
	C50, C51, C52	HEAVY	3		1626.05	
	C53, C54, C55		3		1626.62	
	C57, C58, C59	HEAVY	3	047/4063	1626.08	
	C56		1	047/4064	1626.09	

SCHEDULE OF EQUIPMENT BASES - 275KV (STAGE 2)				
TYPE	No OFF	DRG No	REMARKS	
CIRCUIT BREAKER	12	054/558		
ISOLATOR	28	054/910		
EARTH SWITCH	4	054/828		
MEDIUM EQUIP SUPP	66	054/308		
LARGE EQUIP SUPP	32	054/312		
JUNCTION BOX	12	054/401		
PLUG BOX	4	054/710		
TELEPHONE KIOSK	3	054/410		
FIRE EQUIP KIOSK	2	054/390/156		
MECH LABEL SUPP	60	054/402		

SCHEDULE OF EQUIPMENT BASES - 275KV FOR 1			
TYPE	No OFF	DRG No	REMARKS
JUNCTION BOX	1	054/413 SHT 1	

SCHEDULE OF EQUIPMENT BASES - 275KV FOR 1			
TYPE	No OFF	DRG No	REMARKS
CVT	1	054/4358	

MAIN BASES 400KV YARD			
ITEM	MARK	No OFF	DRG No
OP FLOOD LIGHT MAST	OLM1-OLM6	7	054/4358

SCHEDULE OF EQUIPMENT BASES - 275KV YARD 4 & 5 SCHEDULE				
TYPE	No	DESCRIPTION	No	REMARKS
CIRCUIT BREAKER	1	PLAN 054/1150	047/3103	
BUILDING DETAILS	1	054/1150	FIN SHED FLOOR LEVEL 1626.43	
LIGHTING INSTALL	1	054/1269		
TRENCH DETAILS	1	047/3110		

NOTE: THIS BUILDING IS AS STANDARD 'MOS'

REVISIONS									
NO	DATE	BY	CHKD	REMARKS	NO	DATE	BY	CHKD	REMARKS
19	12/10/2013	MP		FOR SETTING OUT DIMENSIONS OF SECURITY FENCE SEE 047/3643	18	12/10/2013	MP		FOR SETTING OUT DIMENSIONS OF SECURITY FENCE SEE 047/3643
18	12/10/2013	ADR		FOR STANDARD EARTHING SPECIFICATION SEE 054/393 SHT 1025	17	12/10/2013	ADR		FOR STANDARD EARTHING SPECIFICATION SEE 054/393 SHT 1025
17	12/10/2013	ADR		EARTH MAT SHOWN THUS	16	12/10/2013	ADR		EARTH MAT SHOWN THUS
16	12/10/2013	ADR		FOR EQUIPMENT FOUNDATION LAYOUT SEE BAY DESIGN SCHED 047/3637 (SEE ALSO NOTE 14)	15	12/10/2013	ADR		FOR EQUIPMENT FOUNDATION LAYOUT SEE BAY DESIGN SCHED 047/3637 (SEE ALSO NOTE 14)
15	12/10/2013	ADR		ARROW ON BAY & THUS INDICATES ORIENTATION OF EQUIPMENT FOUNDATIONS, WHEN LINED UP WITH SIMILAR ARROW ON STANDARD BAY LAYOUT	14	12/10/2013	ADR		ARROW ON BAY & THUS INDICATES ORIENTATION OF EQUIPMENT FOUNDATIONS, WHEN LINED UP WITH SIMILAR ARROW ON STANDARD BAY LAYOUT
14	12/10/2013	ADR		COLUMN FOUNDATIONS IN FILL TO BE TAKEN DOWN INTO NATURAL GROUND TO THE DEPTH INDICATED ON DETAIL DRAWINGS	13	12/10/2013	ADR		COLUMN FOUNDATIONS IN FILL TO BE TAKEN DOWN INTO NATURAL GROUND TO THE DEPTH INDICATED ON DETAIL DRAWINGS
13	12/10/2013	ADR		DEPTH OF EQUIPMENT FOUNDATIONS TO BE NOT LESS THAN SHOWN ON DRG AND NOT LESS THAN 0.3 INTO NATURAL GROUND	12	12/10/2013	ADR		DEPTH OF EQUIPMENT FOUNDATIONS TO BE NOT LESS THAN SHOWN ON DRG AND NOT LESS THAN 0.3 INTO NATURAL GROUND
12	12/10/2013	ADR		REINFORCEMENT FOR FOUNDATIONS IN FILL TO BE EXTENDED TO FULL DEPTH OF CONCRETE	11	12/10/2013	ADR		REINFORCEMENT FOR FOUNDATIONS IN FILL TO BE EXTENDED TO FULL DEPTH OF CONCRETE
11	12/10/2013	ADR		ALL FOUNDATION LEVELS GIVEN ARE TO TOP OF CONCRETE UNDERSIDE OF BASEPLATES ALLOWING FOR 30mm OF GROUT, ARE 0.03m HIGHER	10	12/10/2013	ADR		ALL FOUNDATION LEVELS GIVEN ARE TO TOP OF CONCRETE UNDERSIDE OF BASEPLATES ALLOWING FOR 30mm OF GROUT, ARE 0.03m HIGHER
10	12/10/2013	ADR		FOUNDATIONS INDICATED AS FORMING PART OF GROUPS ARE TO BE CAST AS A GROUP AS WELL AS INDIVIDUALLY TO AN ACCURACY COMPLYING TO NWS L31 CLAUSE 8.4.2	9	12/10/2013	ADR		FOUNDATIONS INDICATED AS FORMING PART OF GROUPS ARE TO BE CAST AS A GROUP AS WELL AS INDIVIDUALLY TO AN ACCURACY COMPLYING TO NWS L31 CLAUSE 8.4.2
9	12/10/2013	ADR		FOUNDATIONS NOT GROUPED ARE TO BE CAST TO AN ACCURACY COMPLYING TO CLASS B TOLERANCE	8	12/10/2013	ADR		FOUNDATIONS NOT GROUPED ARE TO BE CAST TO AN ACCURACY COMPLYING TO CLASS B TOLERANCE
8	12/10/2013	ADR		FOR CIVIL CONSTRUCTION DETAILS SEE 054/390 TRENCHES ARE INDICATED THUS	7	12/10/2013	ADR		FOR CIVIL CONSTRUCTION DETAILS SEE 054/390 TRENCHES ARE INDICATED THUS
7	12/10/2013	ADR		THE SMALL LABEL BASES 054/002 ARE TO BE POSITIONED TO SUIT ON SITE ONE FOR EACH ISOL/E SW OPERATING MECHANISM	6	12/10/2013	ADR		THE SMALL LABEL BASES 054/002 ARE TO BE POSITIONED TO SUIT ON SITE ONE FOR EACH ISOL/E SW OPERATING MECHANISM
6	12/10/2013	ADR		HY YARD EARTH MAT TO BE CONNECTED TO GEN TRFR YARD EARTH MAT SEE DRG 047/16582 SHT 1	5	12/10/2013	ADR		HY YARD EARTH MAT TO BE CONNECTED TO GEN TRFR YARD EARTH MAT SEE DRG 047/16582 SHT 1
5	12/10/2013	ADR		ALL COLUMN EARTHING TO BE DOUBLE 50x3 STRAPS	4	12/10/2013	ADR		ALL COLUMN EARTHING TO BE DOUBLE 50x3 STRAPS
4	12/10/2013	ADR		STAGE 1 (2006) ALL NEW JB TMS SHOWN THUS, CL FOR DETAILS AND EARTHING SEE BAY LAYOUT 047/3637. WHERE NEW TMS AND JB FOUNDATIONS ARE INSTALLED, THE REPLACED TMS, JB'S AND FOUNDATIONS ARE TO BE REMOVED AT THE END OF THE PROJECT.	3	12/10/2013	ADR		STAGE 1 (2006) ALL NEW JB TMS SHOWN THUS, CL FOR DETAILS AND EARTHING SEE BAY LAYOUT 047/3637. WHERE NEW TMS AND JB FOUNDATIONS ARE INSTALLED, THE REPLACED TMS, JB'S AND FOUNDATIONS ARE TO BE REMOVED AT THE END OF THE PROJECT.
3	12/10/2013	ADR			2	12/10/2013	ADR		
2	12/10/2013	ADR			1	12/10/2013	ADR		
1	12/10/2013	ADR							

ESCOM • EVKOM
MATLA POWER STATION
275KV YARD
FOUNDATION EARTH MAT AND
TRENCH LAYOUT
047/3640
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