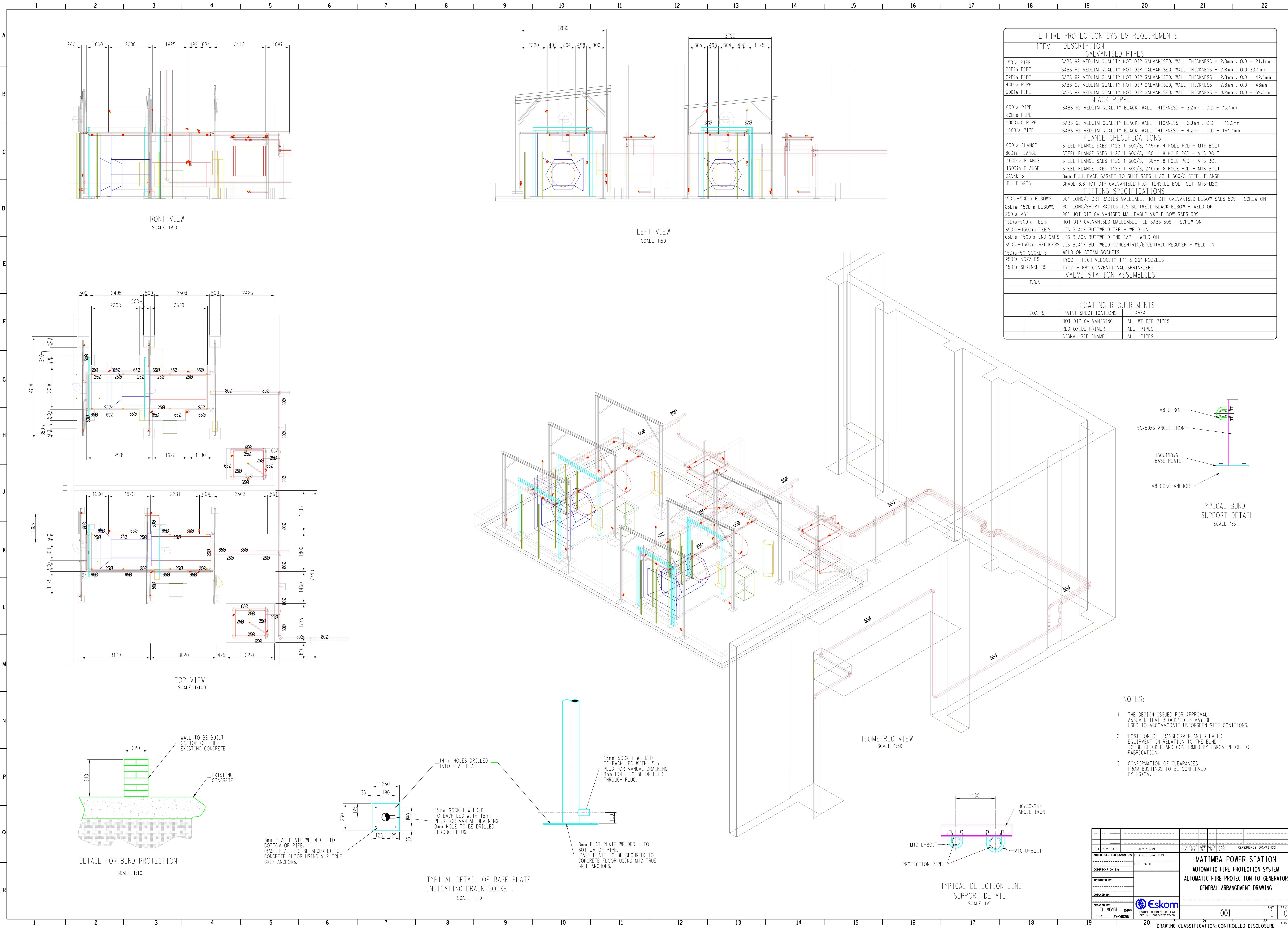




TTE FIRE PROTECTION SYSTEM REQUIREMENTS			
ITEM	DESCRIPTION		
GALVANISED PIPES			
150ia PIPE	SABS 62 MEDIUM QUALITY HOT DIP GALVANISED, WALL THICKNESS - 2.3mm . O.D - 21.1mm		
250ia PIPE	SABS 62 MEDIUM QUALITY HOT DIP GALVANISED, WALL THICKNESS - 2.8mm . O.D 33.4mm		
320ia PIPE	SABS 62 MEDIUM QUALITY HOT DIP GALVANISED, WALL THICKNESS - 2.8mm . O.D - 42.1mm		
400ia PIPE	SABS 62 MEDIUM QUALITY HOT DIP GALVANISED, WALL THICKNESS - 2.8mm . O.D - 48mm		
500ia PIPE	SABS 62 MEDIUM QUALITY HOT DIP GALVANISED, WALL THICKNESS - 3.2mm . O.D - 59.8mm		
BLACK PIPES			
650ia PIPE	SABS 62 MEDIUM QUALITY BLACK, WALL THICKNESS - 3.2mm . O.D - 75.4mm		
800ia PIPE	SABS 62 MEDIUM QUALITY BLACK, WALL THICKNESS - 3.9mm . O.D - 113.3mm		
1000iaC PIPE	SABS 62 MEDIUM QUALITY BLACK, WALL THICKNESS - 4.2mm . O.D - 164.1mm		
1500ia PIPE			
FLANGE SPECIFICATIONS			
650ia FLANGE	STEEL FLANGE SABS 1123 1 600/3, 145mm 4 HOLE PCD - M16 BOLT		
800ia FLANGE	STEEL FLANGE SABS 1123 1 600/3, 160mm 8 HOLE PCD - M16 BOLT		
1000ia FLANGE	STEEL FLANGE SABS 1123 1 600/3, 180mm 8 HOLE PCD - M16 BOLT		
1500ia FLANGE	STEEL FLANGE SABS 1123 1 600/3, 240mm 8 HOLE PCD - M16 BOLT		
GASKETS	3mm FULL FACE GASKET TO SUIT SABS 1123 1 600/3 STEEL FLANGE		
BOLT SETS	GRADE 8.8 HOT DIP GALVANISED HIGH TENSILE BOLT SET (M16-M20)		
FITTING SPECIFICATIONS			
150ia-500ia ELBOWS	90° LONG/SHORT RADIUS MALLEABLE HOT DIP GALVANISED ELBOW SABS 509 - SCREW ON		
650ia-1500ia ELBOWS	90° LONG/SHORT RADIUS JIS BUTTWELD BLACK ELBOW - WELD ON		
250ia M&F	90° HOT DIP GALVANISED MALLEABLE M&F ELBOW SABS 509		
150ia-500ia TEE'S	HOT DIP GALVANISED MALLEABLE TEE SABS 509 - SCREW ON		
650ia-1500ia TEE'S	JIS BLACK BUTTWELD TEE - WELD ON		
650ia-1500ia END CAPS	JIS BLACK BUTTWELD END CAP - WELD ON		
650ia-1500ia REDUCERS	JIS BLACK BUTTWELD CONCENTRIC/ECCENTRIC REDUCER - WELD ON		
150ia-50 SOCKETS	WELD ON STEAM SOCKETS		
250ia NOZZLES	TYCO - HIGH VELOCITY 17" & 26" NOZZLES		
150ia SPRINKLERS	TYCO - 68° CONVENTIONAL SPRINKLERS		
VALVE STATION ASSEMBLIES			
T.B.A			
COATING REQUIREMENTS			
COAT'S	PAINT SPECIFICATIONS	AREA	
1	HOT DIP GALVANISING	ALL WELDED PIPES	
1	RED OXIDE PRIMER	ALL PIPES	
1	SIGNAL RED ENAMEL	ALL PIPES	

NOTES:

- THE DESIGN ISSUED FOR APPROVAL ASSUMED THAT BLOCKPIECES MAY BE USED TO ACCOMMODATE UNFORSEEN SITE CONITIONS.
- POSITION OF TRANSFORMER AND RELATED EQUIPMENT IN RELATION TO THE BUND TO BE CHECKED AND CONFIRMED BY ESKOM PRIOR TO FABRICATION.
- CONFIRMATION OF CLEARANCES FROM BUSHINGS TO BE CONFIRMED BY ESKOM.

Q.O.	REV	DATE	REVISION	REV	Q.O.	APP	BY	DATE	REFERENCE
AUTHORISED FOR ESKOM BY:				CLASSIFICATION				PES PATH	
COORDINATION BY:				APPROVED BY:				CHECKED BY:	
CREATED BY:				SCALE				AS SHOWN	
TL MUAGI				ZUMIR				ESKOM HOLDINGS SOC LTD	
SCALE				AS SHOWN				REG No: 20807-01/2027/20	
								MATIMBA POWER STATION	
								AUTOMATIC FIRE PROTECTION SYSTEM	
								AUTOMATIC FIRE PROTECTION TO GENERATOR	
								GENERAL ARRANGEMENT DRAWING	
								001	
								SHT 1	
								REV 0	
								SIZE A0L	