(SS0.47/45145)

0 1BFB | 0 2BFB

380V ASH PLANT BOARD "A" | 380V ASH PLANT BOARD "B"

Cct	Function	Cable	Tag
01AA001	DUMMY CUBICLE		
02AA001	INCOMER	BYX3DCV MA E107	11kV ASH PLANT BD B 0 2BBCB34A001
03AA001		11kBYX1VCV MA E181-191	1600kVA ASH TRFR. 0 0BFT05
03BA001		BYX4DCV MA E180	1600kVA ASH TRFR 0 0BFT05
03CA001		UVG4ACV MA E352	ALARM PANEL 0 0BYB03
03DA001		BYX3NCV MA E260	FILTER FAN MAIN SILO 3 0 0ETH10A4010
03EA001		UVG12ACV	CONTROL PANEL
04AA001		BYX3ECV MA E261	COMP. HOUSE VENT FAN 0 0SAM10AN003
04BA001		UVG12ACV	CONTROL PANEL
04CA001		BYX3ECV MA E262	COMP. HOUSE VENT FAN 0 0SAM10AN004
04DA001		UVG12ACV	CONTROL PANEL
04EA001		BYX3NCV MA E263	C W CIRCULATING PUMP 3 0 0CAK01AP001
05AA001		UVG12ACV 0 0BFB101EYUB	CONTROL PANEL COOLING TOWER 1 FAN 1 0 0CAK03AN001
05BA001		BYX3NCV MA E264	CONTROL PANEL
05CA001		UVG12ACV 0 0BFB100EYUB	CONTROL PANEL COOLING TOWER 2 FAN 1 0 0CAK03AN002
05DA001		BYX3NCV MA E265	CONTROL PANEL
06AA001		UVG12ACV 0 0BFB104EYUB	CONTROL PANEL COOLING TOWER 3 FAN 1 0 0CAK03AN003
06BA001		BYX3NCV MA E266	CONTROL PANEL
06CA001		UVG12ACV 0 0BFB107EYUB	CONTROL PANEL COOLING TOWER 2 CIRC.PUMP 0 0CAK03AP002
06DA001		BYX3FCV MA E267	
07AA001		UVG12ACV 0 0BFB106EYUB	CONTROL PANEL COOLING TOWER 3 CIRC.PUMP 0 0CAK03AP001
07BA001		BYX3FCV MA E268	
07CA001		UVG12ACV 0 0BFB109EYUB	CONTROL PANEL SETTLING TANK WALL FLUSH PUMP 0 0ETN64AP006
07DA001		BYX3NCV MA E270	
07EA001		UVG12ACV	CONTROL PANEL
07FA001	SPARE CCT		
08AA001		BYX3LCV MA E269	SPARE
08BA001		UVG12ACV	CONTROL PANEL

Cct	Function	Cable	Tag
08CA001	SETTLING TANK SLUDGE PUMP 0 0ETN45AP002	BYX3LCV MA E205	
08DA001	CONTROL PANEL	UVG12ACV	
08EA001	SETTLING TANK SLUDGE PUMP 4 0 0ETN46AP002	BYX3LCV MA E272	
09AA001	CONTROL PANEL	UVG12ACV	
09BA001	SEAL WATER PUMP 0 0ETK62	BYX3NCV MA E275	
09CA001	0 0GAC51AP007	UVG12ACV	
09DA001	CONTROL PANEL	0 0BFB413EYUB	
09EA001	EFFLUENT TRANSFER PUMP 0 0GCR12AP002	BYX3NCV MA E274	
09FA001	CONTROL PANEL	UVG12ACV	
10AA001	AERATION BLOWER 3 0 0ETP34AN001	BYX3NCV MA E276	
10BA001	CONTROL PANEL	UVG12ACV 0 0BFB403EYUB	
10CA001	AERATION BLOWER 4 0 0ETP35AN001	BYX3NCV MA E277	
10DA001	CONTROL PANEL	UVG12ACV 0 0BFB407EYUB	
11AA001	MIXER AGITATOR 2 0 0ETK52AN001	BYX3NCV MA E287	
11BA001	CONTROL PANEL	UVG12ACV 0 0BFB402EYUB	
11CA001	MIXER SCRUBBER FAN 2 0 0ETK52AN002	BYX3DCV MA E281	
11DA001	CONTROL PANEL	UVG12ACV 0 0BFB403EYUB	
11EA001	AIR DRYER 2 0 0GPB15AT002	BYX3NCV MA E282	
11FA001	CONTROL PANEL	UVG12ACV 0 0BFB401EYUB	
11GA001	BELT FEEDER LOCATING PIN 0 0ETD22A001	BYX3DCV MA E589	
12AA001	CONTROL PANEL	UVG12ACV	
12BA001	MOVING HEAD CONVEY. STOCK PILE 0 0ETD32S001	BYX3DCV MA E502	
12CA001	CONTROL PANEL	UVG12ACV	
12DA001	PRIMARY AIR SLIDE FAN 2 0 0ETP42AN001	BYX3NCV MA E284	
12EA001	CONTROL PANEL	UVG12ACV	
12FA001	SECONDARY AIR SLIDE FAN 2 0 0ETP45AN001	BYX3NCV MA E285	
13AA001	CONTROL PANEL	UVG12ACV 0 0BFB402EYUB	
13BA001	AIR SLIDE DUST COLLECTOR FAN 2 0 0ETG21AN001	BYX3NCV MA E286	
13CA001	CONTROL PANEL	UVG12ACV 0 0BFB402EYUB	
13DA001	MIXER AGITATOR 0 0ETK53AN001	BYX3NCV MA E212	
13EA001	CONTROL PANEL	UVG12ACV	
13FA001	BLOWER INLET FILTER SHAKER 2 0 0ETP31AT002	BYX3DCV MA E289	
13GA001	CONTROL PANEL	UVG12ACV 0 0BFB403EYUB	
14AA001	ASH HANDLING PLANT WELDING SOCKET D.B. 0 1BJP01	BYX4SCV MA E818	
14BA001	MIXER SCRUBBER FAN 0 0ETK53AN001	BYX3DCV MA E215	
14CA001	CONTROL PANEL	UVG12ACV	
14DA001	TANK AGITATION PUMP 0 0ETN46AP001	BYX3NCV MA E359	
14EA001	CONTROL PANEL	UVG12ACV	
14FA001	MOVING HEAD CONV.SHUTTLE 0 0ETD32S001	BYX3FCV MA E290	
14GA001	CONTROL PANEL	UVG12ACV	
15AA001	AWR CHEMICAL DOSING PUMP 3 0 0ETN40AP003	BYX3DCV MA E444	
15BA001	CONTROL PANEL	UVG12ACV	
15BA002	AWR CHEMICAL DOSING PUMP 4 0 0ETN40AP004	BYX3DCV MA E445	
15BA003	CONTROL PANEL	UVG12ACV	
15BA004	SEAL WATER PUMP 3 0 0ETK63	BYX3NCV MA E208	
15BA005	0 0GAC51AP006	UVG12ACV	
15BA006	CONTROL PANEL		
15BA007	SETTLING TANK SLUDGE SECTION 2 0 0ETN54A102	BYX3DCV MA E229	
15BA008		BYX12DCV	
15BA009	CONTROL PANEL	UVG12ACV	
15BA010	SETTLING TANK SLUDGE SECTION 4 0 0ETN64A102	BYX3DCV MA E242	
15CA001		BYX12DCV	
15CA002	CONTROL PANEL	UVG12ACV	
15CA003	AWRSE TANK TO MIXER SUPPLY 2 0 0ETN52A101	BYX3DCV MA E230	
15CA004		BYX12DCV	
15CA005	CONTROL PANEL	UVG12ACV	
15CA006	AWRSE TANK TO MIXER SUPPLY 0 0ETN53A101	BYX3DCV MA E244	
15DA001		BYX12DCV	
15EA001	CONTROL PANEL	UVG12ACV	
15FA001	SETTLING TANK WALL FLUSH VALVE 0 0ETN48A105	BYX3DCV MA E295	
15FA002		BYX12DCV	
15FA003	CONTROL PANEL	UVG12ACV	
15FA004	AWRSE TANK MAKE-UP VALVE 0 0ETN49A102	BYX3DCV MA E296	
15FA005		BYX12DCV	
15FA006	CONTROL PANEL	UVG12ACV	
15FA007	AWR TO MIXER SUPPLY VALVE 0 0ETN49A105	BYX3DCV MA E234	
15FA008		BYX12DCV	
15FA009	CONTROL PANEL	UVG12ACV	

Cct	Function	Cable	Tag
15FA010	BBA BELT FEEDER SHUTTLE 0 0ETD22AS001	BYX3DCV MA E238	
15FA011	CONTROL PANEL	UVG12ACV	
15FA012	BBA BELT FEEDER SHUTTLE 0 0ETD24AS001	BYX3DCV MA E300	
15FA013	CONTROL PANEL	UVG12ACV	
16AA001	HYDROBIN LAUNDER DISTRIB. 0 0ETB10AE001	BYX3DCV MA E280	
16BA001	CONTROL PANEL	UVG12ACV	
16CA001	BELT FEEDER LOCATING PIN 4 0 0ETD24A001	BYX3DCV MA E504	
16DA001	CONTROL PANEL	UVG12ACV	
16EA001	MOVING HEAD CONVEYOR DRIVE 0 0ETD32DP001	BYX3NCV MA E301	
16FA001		BYX12DCV	
16FA002	CONTROL PANEL	UVG12ACV	
16FA003	HYDROBIN VIBRATOR 0 0ETB12AM001	BYX3LCV MA E442	
16FA004		UVG12ACV	
16FA005	CONTROL PANEL	UVG12ACV	
16FA006	HYDROBIN VIBRATOR 0 0ETB12AM002	BYX3LCV MA E447	
16FA007		UVG12ACV	
16FA008	CONTROL PANEL	UVG12ACV	
16FA009	HYDROBIN VIBRATOR 0 0ETB14AM001	BYX3LCV MA E440	
16FA010		UVG12ACV	
16FA011	CONTROL PANEL	UVG12ACV	
16FA012	HYDROBIN VIBRATOR 0 0ETB14AM002	BYX3LCV MA E449	
16FA013		UVG12ACV	
16FA014	CONTROL PANEL	UVG12ACV	
16FA015	PERSONNEL LIFT SUPPLY 0 0BSM22B4E001	BYX4NCV MA E302	
16FA016			
16FA017	AGITATION SEAL WATER PUMP 0 0GAC51AP003	BYX3DCV MA E453	
16FA018	CONTROL PANEL	UVG12ACV	
16FA019	INST AIR COMP 0 0GPA61AN001	BYX3SCV MA E303	
16FA020	CCT 61		
16FA021	BULK SILO HOIST 21 0 15MB10AE010	BYX4HCV MA E305	
16FA022			
16FA023	BELT FEEDER DRIVE CUBICLE 0 0EVE12CA001	BYX4LCV MA E505	
16FA024			
16FA025	OFFICE AND NUCLIDE STORE LIGHTING BD. 0 0BLA01	BYX4HCV MA E521	
16FA026			
16FA027	SUBSTATION LIGHTING BD. 0 1BLA02	BYX4HCV MA E306	
16FA028			
16FA029	BULK SILO HOIST 11 0 35MB10AE010	BYX4HCV MA E307	
16FA030			
16FA031	COMPRESSOR HOUSE LIGHTING BOARD 0 1BLA04	BYX4HCV MA E397	
16FA032			
16FA033	INST.AIR COMP. 0 0GPA62AN001	BYX3SCV MA E304	
16FA034			
16FA035	CONTROL PANEL	UVG12ACV	
16FA036	SEALING AIR DRIER 0 0ETP21AC020	BYX2DCV MA E308	
16FA037			
16FA038	BULK SILO 3 FILTER 0 3EVC30CA001	BYX2DCV MA E309	
16FA039			
16FA040	3.3kV ASH PLANT BD.B 0 2BDA13	BYX3ECV MA E462	
16FA041			
16FA042	3.3kV ASH PLANT BD.B 0 2BDA07	BYX3ECV MA E465	
16FA043			
16FA044	SIEMENS UPS 0 0EVK10/11/12	BYX4HCV MA E315	
16FA045			
16FA046	COMPRESSOR PANEL 4 0 0EVC14CA001	BYX3HCV MA E357	
16FA047			
16FA048	COMPRESSOR PANEL 5 0 0EVC15CA001	BYX3HCV MA E358	
16FA049			
16FA050			
16FA051			
16FA052	PFA SILO PILOT (MOTOR) 0 0EETH0CL001	BYX4DCV MA E452	
16FA053			
16FA054	ASH HANDLING PLANT MAIN LIGHTING BOARD 0 1BLA05	BYX4HCV MA E427	
16FA055			
16FA056	ASH HANDLING PLANT TRANSFER BUILDING LIGHTING BOARD 4 0 1BLA06	BYX4HCV MA E429	
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SECTION MA

380V ASH PLANT BOARD B

0 2BFB
380V ASH PLANT BOARD "B"
(SS0.47/45145)

Cct	Function	Cable	Tag
16FA107	SUPPLY TO CHOP-OVER PANEL 0 0EYG01CH002	BYX3HCV MA E612	
16FA108			
16FA109	WALL FLUSH SEAL WATER PUMP 0 0GAC51AP002	BYX3ECV MA E451	
16FA110	CONTROL PANEL	UVG12ACV	
16FA111			
16FA112	SUPPLY TO CHOP-OVER PANEL 0 0EYG01CH001	BYX3NCV MA E615	
16FA113			
16FA114			
16FA115			
16FA116	B.T.U. 0 0BT104	BYX3ECV MA E522	
16FA117	CONTROL PANEL	UVG12ACV	
16FA118	B.T.U. 0 0BT105	BYX3ECV MA E523	

NOTES:
- A: ARRANGEMENT DRAWINGS
- W: WIRING DIAGRAM
- S: SCHEMATIC DIAGRAM
- C: CABLE DETAIL SCHEDULE
- SS: SWITCHGEAR SCHEDULE

THIS DRAWING HAS BEEN CREATED ON A C.A.D. SYSTEM. ANY AMENDMENT MUST BE EFFECTED ON THE SAME SYSTEM!

45144/2	380V CABLE BLOCK BD.B		
41514	SCHEM.DIAGRAMS		
	GLAND PANELS		
	CONTROL PANEL		
44886	CABLE SCHEDULE		
0-47	REFERENCE DRAWINGS		

REV	DATE	REV BY	CHKD BY	AUTH BY	KKS APP
4	12.03.13	WALKDOWN	P.E.		
3	12.03.09	RECDRAWN ON CAD	P.E.		
00	0	FIRST ISSUE			

ESKOM

MAILA POWER STATION
380V NEW ASH PLANT
PANEL 01BFB & 02BFB
CABLE BLOCK DIAGRAM SHT.3

DRAWN BY: P.E.E. | SCALE: N.T.S. | 0-47/45144 | REV 4