

PARTS LIST			
No	ITEM	BRAND	PART NUMBER
1	MAIN SWITCH PUMP SIZE 30kW TO 37kW PUMP SIZE 45kW TO 55kW PUMP SIZE 75kW TO 160kW CABLE SHRUDS AUXILIARY CONTACTS	SOCOME SOCOME SOCOME -- SOCOME	SCO 160 4P SCO 250 4P SCO 500 4P -- 4109 0021
2A	SUPPLY CAPACITY CONTROL DEVICE CB PUMP SIZE 30kW TO 37kW PUMP SIZE 45kW TO 55kW PUMP SIZE 75kW TO 110kW PUMP SIZE 132kW TO 160kW	TERASAKI TERASAKI TERASAKI TERASAKI	E160NJ/160 E250NJ/250 E400NJ/400 E630NE/630
2B	GENERATOR MCCB PUMP SIZE 30kW TO 37kW PUMP SIZE 45kW TO 55kW PUMP SIZE 75kW TO 110kW PUMP SIZE 132kW TO 160kW		E160NJ/160 E250NJ/250 E400NJ/400 E630NE/630
3	CIRCUIT BREAKER		
3A	3Ø 32A CB	TERASAKI DIN-T6 SERIES	DTCB6332C
3B	3Ø 2A CB	TERASAKI DIN-T6 SERIES	DTCB6302C
3C	1Ø 20A CB	TERASAKI DIN-T6 SERIES	DTCB6120C
3D	1Ø 6A RCBO	NHP MOD6 SERIES	M6RCBS-06-30-CAN
3E	1Ø 20A CB	TERASAKI DIN-T6 SERIES	DTCB6110C
3F	3Ø 6A CB	TERASAKI DIN-T6 SERIES	DTCB6306C
3G	ADD ON EARTH LEAKAGE MODULE	TERASAKI DIN-T6 SERIES	DSRCM-32-30-3P
4	PUMP CIRCUIT BREAKER PUMP SIZE 30kW PUMP SIZE 37kW TO 45kW PUMP SIZE 55kW PUMP SIZE 75kW TO 90kW PUMP SIZE 110kW TO 132kW PUMP SIZE 160kW	TERASAKI DIN-T10 SERIES TERASAKI DIN-T10H SERIES TERASAKI TERASAKI TERASAKI TERASAKI	DTCB10363C DINT-10H380C E125NJ/125 E160NJ/160 E250NJ/250 E400NJ/400
5	1Ø 16A RCBO	TERASAKI DIN-SAFE	DSRCBS-16-30-CAN
6	RELAY BASE	FINDER	94.04
7	CONTROL RELAY	FINDER	55.34.004 24VDC
8	TS20 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS EARTH TERMINALS END STOP TERMINAL BRIDGING	-- WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WDU SERIES WDU SERIES WEW 35/2
9	TS30 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS EARTH TERMINALS END STOP TERMINAL BRIDGING	-- WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WDU SERIES WDU SERIES WEW 35/2
10	PHASE FAIL RELAY	CARLO GAVAZZI	DPA-01-D-M48
11	SURGE DIVERTER	CIRPROTEC	PSM4-40/400 TT IR
12	5FN TERMINAL STRIP (IDC) NAME PLATE HOLDER TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2
13	SFE TERMINAL STRIP (IDC) NAME PLATE HOLDER TERMINALS	-- WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES
14	SURGE FILTER	EATON	CSF1 25A
15	24V DC SUPPLY	MEANWELL	DRP-240-24
16	240/24V AC TRANSFORMER	IME	24024100
17	TS40 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS EARTH TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WDU SERIES WEW 35/2
18	12/24V DC CONVERTER DIN RAIL MOUNTING KIT	MEANWELL MEANWELL	SD-25A-24 DINKIT1
19	TS1 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER END STOP TERMINAL BRIDGING	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WEW 35/2 --
20	TS2 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP TERMINAL BRIDGING	-- WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2 --
21	TS10 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS FUSE TERMINALS DIODE TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WS16 WTR SERIES WEW 35/2
21A	TS11 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2
22	PASSIVE HARMONIC FILTER AHF 010 IP20, 415V, 50Hz PUMP SIZE 30kW PUMP SIZE 37kW PUMP SIZE 45kW PUMP SIZE 55kW PUMP SIZE 75kW PUMP SIZE 90kW PUMP SIZE 110kW PUMP SIZE 132kW PUMP SIZE 160kW	DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS	130B1176 130B1180 130B1201 130B1204 130B1207 130B1213 130B1214 130B1215 130B1216

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No	ITEM	BRAND	PART NUMBER
23	VSD FREQUENCY CONVERTER FC 202 IP20, 415V, 50Hz WITH LCP REMOTE MOUNT KIT PUMP SIZE 30kW - 55A PUMP SIZE 37kW - 66A PUMP SIZE 45kW - 80A PUMP SIZE 55kW - 100A PUMP SIZE 75kW - 135A PUMP SIZE 90kW - 165A PUMP SIZE 110kW - 200A PUMP SIZE 132kW - 240A PUMP SIZE 160kW - 280A		
		DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS DANFOSS	P30K P37K P45K P55K P75K P90K P10K P132K P160K
24	MOTOR FUSE PUMP SIZE 30kW - 80A PUMP SIZE 37kW - 100A PUMP SIZE 45kW - 125A PUMP SIZE 55kW - 160A PUMP SIZE 75kW - 200A PUMP SIZE 90kW - 250A	SIBA FUSES SIBA FUSES SIBA FUSES SIBA FUSES SIBA FUSES SIBA FUSES	50 142 06.80 50 142 06.100 50 142 06.125 20 282 20.160 20 282 20.200 20 282 20.250
24A	FUSEHOLDER 3 POLE PUMP SIZE 30kW - 45kW 3 PH PUMP SIZE 55kW - 90kW 3 PH FAN THERMOSTAT	SIBA FUSES SIBA FUSES COSMOTEC	51 060 04.35 21 189 08 KTS01141
25	PHF CONTACTOR PUMP SIZE 30kW PUMP SIZE 37kW TO 110kW PUMP SIZE 132kW TO 160kW	SPRECHER + SCHUH SPRECHER + SCHUH SPRECHER + SCHUH	CA7-16-10 240VAC CA7-60-10 240VAC CA6-100-10 240VAC
27	RADIO	--	--
28	RADIO FAN	--	--
29	RADIO BRACKET	--	--
	RTU RTU POWER SUPPLY RTU CPU RTU MIXED I/O MODULE RTU POWER SUPPLY PLUG IN OPTION RTU 16 DIGITAL INPUT MODULE RTU 8 DIGITAL OUTPUT MODULE RTU 3 I/O CHASSIS 12V BATTERY BATTERY TEMPERATURE SENSOR	MOTOROLA MOTOROLA MOTOROLA MOTOROLA MOTOROLA MOTOROLA MOTOROLA MOTOROLA -- -- --	ACE3600 FPN1903A FLN 4234 FLN 3572 FPN 5976 FLN 3552 FLN 3605 -- -- --
30	RTU1 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP TERMINAL BRIDGING	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WDU SERIES WDU SERIES WEW 35/2 --
31	RTU2 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP TERMINAL BRIDGING	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WDU SERIES WDU SERIES WEW 35/2 --
32	RTU3 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP TERMINAL BRIDGING	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WDU SERIES WDU SERIES WEW 35/2 --
33	RTU4 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER FUSE TERMINAL SPADE TERMINAL TERMINALS	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WS16 WTR SERIES WDU SERIES --
34	RTU5 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER FUSE TERMINAL SPADE TERMINAL TERMINALS	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WS16 WTR SERIES WDU SERIES --
35	RTU6 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER FUSE TERMINAL SPADE TERMINAL TERMINALS	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WS16 WTR SERIES WDU SERIES --
36	RTU7 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER FUSE TERMINAL SPADE TERMINAL TERMINALS EARTH TERMINALS END STOP	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WS16 WTR SERIES WDU SERIES WDU SERIES WEW 35/2 --
37	RS485 DISTRIBUTION BOARD	OCEAN CONTROLS	OCH-001
37A	MEMORY MODULE	OCEAN CONTROLS	KT-299
38	RTU7 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS EARTH TERMINALS END STOP TERMINAL BRIDGING	-- WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WDU SERIES WEW 35/2 --
39	RTU8 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS EARTH TERMINALS END STOP	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WDU SERIES WDU SERIES WEW 35/2 --
40	DOUBLE GPO	CLIPSAL	--
41A	TS1 TERMINAL STRIP (PFIEJ01) NAME PLATE HOLDER TERMINALS TERMINAL SEPERATOR	WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	TS35 SIGHTS & COVER WDU SERIES WEW 35/2 --
41B	TS1 TERMINAL STRIP (PFIEJ01) TERMINALS	-- WEIDMULLER	-- WDU SERIES
41A	TS2 TERMINAL STRIP (PFIEJ01) NAME PLATE HOLDER TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2

PARTS LIST			
No	ITEM	BRAND	PART NUMBER
43	FUSE BASE (440V HRC CARTRIDGE TO AS2005) METER FUSES 10A CT METERING TEST BLOCK	-- -- --	-- -- --
44	PANEL FOR METER ASSEMBLY HINGE FOR METER ASSEMBLY	SUPPLY AUTHORITY SUPPLY AUTHORITY	MG003P MG063Y
45	SUPPLY AUTHORITY SMART METER	AMPY	--
46	FLOW METER	MJK	MAGFLUX
47	WET WELL LEVEL TRANSMITTER (OPTION No 1) WET WELL RADAR SENSOR HEAD (OPTION No 1) WET WELL SHUTTLE CONVERTER (OPTION No 2)	VEGA VEGA MJK	VEGAMET 391 XXHXX VEGAPULS WL61 XXBXDHKTX 201210
48	PUMP PUMP SIZE 30kW - 55A PUMP SIZE 37kW - 66A PUMP SIZE 45kW - 80A PUMP SIZE 55kW - 100A PUMP SIZE 75kW - 135A PUMP SIZE 90kW - 165A PUMP SIZE 110kW - 200A PUMP SIZE 132kW - 240A PUMP SIZE 160kW - 280A	-- -- -- -- -- -- -- -- -- --	-- -- -- -- -- -- -- -- -- --
49	GENERATOR PLUG INLET PUMP SIZE 30kW TO 37kW PUMP SIZE 45kW TO 75kW PUMP SIZE 90kW TO 132kW PUMP SIZE 160kW GENERATOR PLUG MOUNTING BOX	PROCONNECT PROCONNECT PROCONNECT -- PROCONNECT	3PS2A3NE01 3PS2A3NE01 3PS2A3NE01 2 x VH7-240F 3PS2WAS
51	COMPARTMENT LIGHT (500mm LED)	OCEAN CONTROLS	CSL-1240
51A	STRIP LIGHTING TERMINAL ADAPTER	OCEAN CONTROLS	CSL-001
52A	FAN	COSMOTEC	GKV2501220
52B	FAN GRILL & FILTER FAN FAN GRILL & FILTER	COSMOTEC COSMOTEC COSMOTEC	-- GKV25P1220 --
53	PILOT LIGHT	SPRECHER + SCHUH	D7 SERIES
54	PUSH BUTTON	SPRECHER + SCHUH	D7 SERIES
55	SELECTOR SWITCH	SPRECHER + SCHUH	D7 SERIES
56	PANEL DISPLAY	NOVUS	N1500
57	FAN	COSMOTEC	GKV1500211
58	FAN GRILL & FILTER	COSMOTEC	GKF15
59	DISTRIBUTION BOARD NO 1 PUMP SIZE 30kW PUMP SIZE 37kW TO 45kW PUMP SIZE 55kW PUMP SIZE 75kW TO 132kW PUMP SIZE 160kW	CONCEPT DIN-T CONCEPT DIN-T10H XA XBSS (RIGHT) XC	-- -- -- -- --
60	DISTRIBUTION BOARD NO 2	CONCEPT DIN-T	NC2-24/18-3TF
61	METERING FUSES 32A	SUPPLY AUTHORITY	--
62	METERING CURRENT TRANSFORMERS	SUPPLY AUTHORITY	--
63	POWER MONITOR	IME	NEMO96HD-1000
64	POWER MONITORING CURRENT TRANSFORMERS SUPPLY CAPACITY CONTROL DEVICE CB - 125A SUPPLY CAPACITY CONTROL DEVICE CB - 160A SUPPLY CAPACITY CONTROL DEVICE CB - 250A SUPPLY CAPACITY CONTROL DEVICE CB - 400A	-- IME IME IME IME	-- TAI 400 150 5A TAI 400 200 5A TASH50C250 TASH50C400
65	MEASURING SET FOR A 3 PH CURRENT TRANSFORMER 6 x DISCONNECT/TEST TERMINAL BLOCKS 3 x JUMPERS (ORANGE) 3 x END PLATES (ORANGE) 3 x LOCKING COVERS	-- WAGO WAGO WAGO WAGO	-- 282-870 282-424 282-387 282-882
66	6A FUSE END STOP	WEIDMULLER WEIDMULLER	WS16 WEW 35/2
67	SURGE DIVERTER BS COMPACT FUSE HOLDER SURGE DIVERTER BS COMPACT FUSE LINK	NHP NHP	NC63FW NTIS 63
68	MAIN DISTRIBUTION BOARD No 1 SURGE DIVERTER	CRITEC	TDX100M 240D
69	CU-FLEX FLEXIBLE COPPER BUSBAR 110kW TO 132kW CU-FLEX FLEXIBLE COPPER BUSBAR 160kW	CUBIC CUBIC	FB100352 FB240352
70	MAIN DISTRIBUTION BOARD No 2 CB	--	E250NJ/100
71	FLYGT CONTROLLER	FLYGT	MAS 711
72	TS60 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2
73	TS70 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2
74	TS1 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2
75	TS2 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2
76	TS12 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP TERMINAL BRIDGING	-- WEIDMULLER WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2 --
77	TS13 TERMINAL STRIP (PFIEC05) NAME PLATE HOLDER TERMINALS END STOP	-- WEIDMULLER WEIDMULLER WEIDMULLER	-- TS35 SIGHTS & COVER WDU SERIES WEW 35/2
78	EMERGENCY STORAGE LEVEL TRANSMITTER EMERGENCY STORAGE RADAR SENSOR HEAD	VEGA VEGA	VEGADIS 82 VEGAPULS WL61 XXBXDHKTX

NOTE 1:
ALL RTU EQUIPMENT DETAILED IN PARTS LIST AVAILABLE FROM GIPPSLAND WATER

NOTE 2:
THIS EQUIPMENT IS PREFERRED BY GIPPSLAND WATER. THE CONTRACTOR MAY PROPOSE ALTERNATIVES TO THESE, HOWEVER MUST DEMONSTRATE AT THE TIME OF TENDER THAT THE ALTERNATIVE IS ABLE TO MEET (AS A MINIMUM) ALL REQUIREMENTS PROVIDED BY EQUIPMENT ON THIS LIST.

REVISED	5	27/9/21	REVISED DETAILS FOR PART NUMBERS 4 / 50 / 56.	P.S.	REFERENCES				DESIGNED BY:
	4	7/9/20	UPDATED DRAWING SHEETS UPDATED EQUIPMENT.	P.S.					
	3	25/10/13	REVISED PART 24 & 24A DETAILS.	P.J.					
	2	9/10/13	REVISED DRAWING.	M.B.					
	1	18/3/13	ADDED EARTH BRAIDS - TYPE MJB - 250mm.	P.J.					
	0	24/9/12	INITIAL ISSUE.	P.J.		A1-52770	STD SPS - PUMP STN 30kW TO 160kW (VSD) - CT METERED - I & C - DRG INDEX		
No.	DATE	DESCRIPTION			APP'D	PLAN No.	TITLE		

OPTIMUM

DRAFTING PTY LTD

A.B.N. 28 065 272 942

DESIGNED BY:

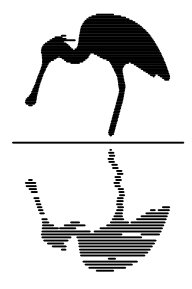
DO NOT SCALE

GIPPSLAND WATER
DRAWING STATUS

STANDARD DRAWING

GIPPSLAND WATER FACILITY CODE
XXCPXX

DESIGNED:
25/01/2018 - STD DRG
DRAWN:
25/01/2018 - OPT/CT
CHECKED:
25/01/2018 - P STEWART



GIPPSLAND WATER

STANDARD SEWERAGE PUMP STATION
PUMP STATION 30kW TO 160kW (VSD) - CT METERED
SUPPLY CUBICLE & VSD CUBICLE
PARTS LIST

DRAWING No. **A1-52794** REV. **5**