							IN	STRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	WANDFACTURER	WODEL	SUPPLY	RANGE	WOONTING	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0001	1	FE-C001B	Flow Element	Standby Emulsion Polymer Flow to Storage Tanks					Skid	Vendor Package	Mech. Contractor	50mm	I100	WC-P0007	WB-A0453	WB-A0453	WC-E0112
0002	1	FT-C001B	Flow Indicator Transmitter	Standby Emulsion Polymer Flow to Storage Tanks			120V		Skid	Vendor Package	Mech. Contractor	Connected to PPU-C001 Local Panel	I100	WC-P0007	WB-A0453	WB-A0402	WC-E0112
0003	1	WE-C001B	Load Cells	Standby Emulsion Polymer Weight					Skid	Vendor Package	Mech. Contractor		TBC	WC-P0007	TBC	TBC	WC-E0112
																	T
0004	2	W1-C001B	Weight Indicator Transmitter	Standby Emulsion Polymer Weight			120V		Skid	Vendor Package	E&I Contractor	Connected to PPU-C001 Local Panel	TBC	WC-P0007	TBC	TBC	WC-E0112
0005	1	1.C. C00EA	Conductivity Loyal Cuitab	Dalumas Caill Cantainm ant High Laval			1201/	/ mm from floor of containment	Drookat	E 0.1 Contractor	E 0.1 Contractor	To managers and liquid in containment	1107	WC D0007	WD ADAED	N1/A	WC F0112
0005	'	LS-C005A	Conductivity Level Switch	Polymer Spill Containment High Level			120V	6mm from floor of containment	Bracket	E&I Contractor	E&I Contractor	To measure any liquid in containment	l126	WC-P0007	WB-A0458	N/A	WC-E0112
												0 1 1					
0006	1	LS-C020A	Level Switch	Filter Polymer Bulk Powder Unloading Hopper Low			120V		Skid	Vendor Package	Mech. Contractor	Connected to PCU-C020 Local Panel. Switch type to be confirmed	TBC	WC-P0005	TBC	TBC	WC-E0112
0000		L3-0020A	ECVCI SWITCH	Thick Former Buik Fowaci Officialing Hopper Low			120 V		Skiu	vendor i ackage	Wiccii. Contractor	and. Switch type to be committed	TDC	WC-1 0003	100	IBC	WO-LOTTZ
												Connected to PCU-C020 Local					
0007	1	LS-C020B	Level Switch	Filter Polymer Bulk Powder Screw Feeder Blocked			120V		Skid	Vendor Package	Mech. Contractor	Panel. Switch type to be confirmed	TBC	WC-P0005	TBC	TBC	WC-E0112
0008	1	WE-C020A	Load Cells	Filter Polymer Bulk Powder Weight					Skid	Vendor Package	Mech. Contractor		TBC	WC-P0005	TBC	TBC	WC-E0112
	1			, , , , , , , , , , , , , , , , , , ,													+
0009	1	WT-C020A	Weight Indicator Transmitter	Filter Polymer Bulk Powder Weight			120V		Skid	Vendor Package	Mech. Contractor	Connected to PCU-C020 Local Panel	TBC	WC-P0005	TBC	TBC	WC-E0112
																	+
0010	1	LS-C021A	Level Switch	Filter Polymer Preparation Tank High			120V		Bracket	Vendor Package	Mech. Contractor	Connected to PPU-C021 Local Panel	I126	WC-P0006	WB-A0458	N/A	WC-E0122
0011	1	LS-C021B	Level Switch	Filter Polymer Preparation Tank Low			120V		Bracket	Vendor Package	Mech. Contractor	Connected to PPU-C021 Local Panel	l126	WC-P0006	WB-A0458	N/A	WC-E0122
0012	1	SOL-C021B	Solenoid Actuator	Filter Polymer Preparation Tank Service Water Inlet Valve			120V		Valve	Vendor Package	Mech. Contractor	Connected to PPU-C021 Local Panel		WC-P0006			WC-E0122
0013	1	LE-C022A	Level Element	Filter Polymer Feed Tank Level					Flange	Vendor Package	Mech. Contractor		l120	WC-P0008	WB-A0455	WB-A0401	WC-E0112
0014	1	LT-C022A	Level Indicator Transmitter	Filter Polymer Feed Tank Level			120V	TBC	Wall/ Stand	Vendor Package	E&I Contractor		l120	WC-P0008	WB-A0455	WB-A0402	WC-E0112
0015	1	1.0.00204	Lovel Cuitab	Chidae Dahmae Dulk Daudae Halaadiaa Hanaer Lau			1201/		Chin	Vandar Daakaga	Mach Contractor	Connected to PCU-C030 Local	TDC	MC DOOOL	TBC	TDC	WC F0112
0015	'	LS-C030A	Level Switch	Sludge Polymer Bulk Powder Unloading Hopper Low			120V		Skid	Vendor Package	Mech. Contractor	Panel. Switch type to be confirmed	TBC	WC-P0005	IBC	TBC	WC-E0112
0016	1	LS-C030B	Level Switch	Sludge Polymer Bulk Powder Screw Feeder Blocked			120V		Skid	Vendor Package	Mech. Contractor	Connected to PCU-C030 Local Panel. Switch type to be confirmed	TBC	WC-P0005	TBC	TBC	WC-E0112
0017	1	WE-C030A	Load Cells	Sludge Polymer Bulk Powder Weight			120 V		Skid	Vendor Package	Mech. Contractor	Tunes. Switch type to be committed	TBC	WC-P0005	TBC	TBC	WC-E0112
		WE 0000/1	Lodu Oolis	Stadge Folymor Bank Fordor Worgin					Oniu	vender i dekage	Wiccin. Contractor		150	W 0 1 0000	150	150	110 20112
0018	2	WT-C030A	Weight Indicator Transmitter	Sludge Polymer Bulk Powder Weight					Skid	Vendor Package	E&I Contractor	Connected to PCU-C030 Local Panel	TBC	WC-P0005	TBC	TBC	WC-E0112
			,							3							+
0019	1	LS-C031A	Level Switch	Sludge Polymer Preparation Tank High			120V		Bracket	Vendor Package	Mech. Contractor	Connected to PPU-C031 Local Panel	l126	WC-P0007	WB-A0458	N/A	WC-E0122
					†												+
0020	1	LS-C031B	Level Switch	Sludge Polymer Preparation Tank Low			120V		Bracket	Vendor Package	Mech. Contractor	Connected to PPU-C031 Local Panel	l126	WC-P0007	WB-A0458	N/A	WC-E0122
0021	1	SOL-C031B	Solenoid Actuator	Sludge Polymer Preparation Tank Service Water Inlet Valve			120V		Valve	Vendor Package	Mech. Contractor	Connected to PPU-C031 Local Panel		WC-P0007			WC-E0122
0022	1	LE-C032A	Level Element	Sludge Polymer Feed Tank Level					Flange	Vendor Package	Mech. Contractor		l120	WC-P0009	WB-A0455	WB-A0401	WC-E0112
0023	1	LT-C032A	Level Indicator Transmitter	Sludge Polymer Feed Tank Level			120V	TBC	Wall/ Stand	Vendor Package	E&I Contractor		l120	WC-P0009	WB-A0455	WB-A0402	WC-E0112
0024	1	FE-C061A	Flow Element	Filter Polymer Feed Pump P-C061A Discharge Flow					Skid	Vendor Package	Mech. Contractor	25mm	I100	WC-P0014	WB-A0453	WB-A0453	WC-E0112
0025	1		Flow Indicator Transmitter	Filter Polymer Feed Pump P-C061A Discharge Flow			120V		Skid	Vendor Package	Mech. Contractor		l100	WC-P0014	WB-A0453	WB-A0402	WC-E0112
0026	1	FS-C061A	Flow Switch	Service Water to PC061A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0014	WB-A0463		WC-E0112
												Rotameter Complete With Low Flow					
0027	1			Service Water to PC061A Discharge Flow						Vendor Package	Mech. Contractor	Switch		WC-P0014			WC-E0112
0028	3	PI-C061A	Pressure Indicator	Filter Polymer Feed Pump PC061A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0014		WB-M0464	WC-E0112
0020	1	COL 00/11	Colonaid Value	Conico Motor to DC0/1A Discharge Flour Control Valve			1201/		Chid	Vandor Daalis	Moch Contractor			WC Doot			WC F0110
0029	1			Service Water to PC061A Discharge Flow Control Valve			120V		Skid	Vendor Package	Mech. Contractor	Wired to loos control re-		WC-P0014			WC-E0112
0030	1		Temperature Switch	Filter Polymer Feed Pump PC061A High Stator Temperature	1	1			Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0014			WC-E0112
0031	1		Pressure Switch	Filter Polymer Feed Pump PC061A High Discharge Pressure					Skid	Vendor Package	Mech. Contractor	Wired to local control panel	1100	WC-P0014	WD MOVES	WD 404E3	WC-E0112
0032		FE-0002A	Flow Element	Filter Polymer Feed Pump P-C062A Discharge Flow					Skid	Vendor Package	Mech. Contractor	25mm	l100	WC-P0014	WB-A0453	WB-A0453	WC-E0112

Math	RECORD	DEV	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
				INICEDI IMENE TVOE		MANUFACTURER	MODEL			MOUNTING			COMMENTS					
1		IVO.							RANGE	10111								
		1						120V			ŭ			1100			WB-A0402	
	0034	1	FS-C062A	Flow Switch	Service Water to PC062A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0014	WB-A0463		WC-E0112
The color												L	'					
No.   1   100,000		1			<u> </u>						ű		Switch					
1	0036	3	PI-C062A	Pressure Indicator	Filter Polymer Feed Pump PC062A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		I112	WC-P0014		WB-M0464	WC-E0112
1	0007		601 00/04	6.1	S - W BOOMAN BY FI - O W -			4001/		CI.I					WO D0044			N/O F0440
1		1			•			120V			ű							
1		1									ű		'					
1   10.0000000000000000000000000000000		1									ű		'					
1   1   1   1   1   1   1   1   1   1	0040	1									ű		25mm					
1	0041	1			, ,			120V		Skid	,			I100			WB-A0402	WC-E0112
1	0042	1	FS-C063A	Flow Switch	Service Water to PC063A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0014	WB-A0463		WC-E0112
1												1	· ·					
1	0043	1	FI-C063A		<u> </u>					Skid	ű		Switch					WC-E0112
1	0044	3	PI-C063A	Pressure Indicator	Filter Polymer Feed Pump PC063A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0014		WB-M0464	WC-E0112
1												L						
1   75   25   25   25   25   25   25   25	0045	1			i -			120V			ű							
1	0046	1		'						Skid	Vendor Package		'					
1	0047	1	PS-C063A	Pressure Switch						Skid	Vendor Package		Wired to local control panel					WC-E0112
1	0048	1	FE-C071A	Flow Element	Sludge Polymer Feed Pump P-C071A Discharge Flow					Skid	Vendor Package	Mech. Contractor	25mm	I100	WC-P0015		WB-A0453	WC-E0112
	0049	1	FT-C071A	Flow Indicator Transmitter	Sludge Polymer Feed Pump P-C071A Discharge Flow			120V		Skid	Vendor Package	Mech. Contractor		I100	WC-P0015	WB-A0453	WB-A0402	WC-E0112
	0050	1	FS-C071A	Flow Switch	Service Water to PC071A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0015	WB-A0463		WC-E0112
1													Rotameter Complete With Low Flow					
Section   Sect	0051	1	FI-C071A	Flow Indicator	Service Water to PC071A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0015			WC-E0112
1   15-00774   Pre-Source Switch   Sudge Polymer Feed Pump PC0774 Fight States represented   Sudge Polymer Feed Pump PC0774 Fight	0052	3	PI-C071A	Pressure Indicator	Sludge Polymer Feed Pump PC071A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0015		WB-M0464	WC-E0112
1   PS-COFFA   Pressure Switch   Stage Polymer Food Pump PC0774 High State Interpretative   Stag   Polymer Food Pump PC0774 High State Interpretative   Polymer Food Pump PC0774 High State Interpretative   Polymer Food Pump PC0774 High State Int																		
1   F-C-0774   Processes Switch   Processes Switch   Processes Switch   Processes Food Pump PC-0774 Rechange Flow   Processes Food Pump PC-0774 Rechange Flow   Processes Flow Pump PC-0774 Rechange Flow   Processes Flow Pc-0774 Rechange Flow	0053	1	SOL-C071A	Solenoid Valve	Service Water to P-C071A Discharge Flow Control Valve			120V		Skid	Vendor Package	Mech. Contractor			WC-P0015			WC-E0112
1	0054	1	TS-C071A	Temperature Switch	Sludge Polymer Feed Pump PC071A High Stator Temperature					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0015			WC-E0112
1	0055	1	PS-C071A	Pressure Switch	Filter Polymer Feed Pump PC071A High Discharge Pressure					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0014			WC-E0112
1	0056	1	FE-C072A	Flow Element	Sludge Polymer Feed Pump P-C072A Discharge Flow					Skid	Vendor Package	Mech. Contractor	25mm	I100	WC-P0015	WB-A0453	WB-A0453	WC-E0112
Side   Verdor Package   Mech. Contractor   Solida Propriet Food Pump PC072A Discharge Flow   Wil-Model   Verdor Package   Mech. Contractor   Solida Propriet Food Pump PC072A Discharge Flow   Wil-Model   Verdor Package   Mech. Contractor   Wil-Model   Wil-Model   Verdor Package   Mech. Contractor   Wil-Model   Wil-M	0057	1	FT-C072A	Flow Indicator Transmitter	Sludge Polymer Feed Pump P-C072A Discharge Flow			120V		Skid	Vendor Package	Mech. Contractor		I100	WC-P0015	WB-A0453	WB-A0402	WC-E0112
FFCOTZA   From Indicator   Sevice Maler to PCOTZA   Discharge From   Skid   Vendor Package   Mech. Contractor   Wired to local control panel	0058	1	FS-C072A	Flow Switch	Service Water to PC072A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0015	WB-A0463		WC-E0112
Stade													Rotameter Complete With Low Flow					
1   SOL-CO72A   Solenaid Valve   Service Water to P-CO72A Discharge Flow Control Valve   120V   Skid   Vendor Package   Mech. Contractor   Wired to local control pane   WC-P0015   WC-P0	0059	1	FI-C072A	Flow Indicator	Service Water to PC072A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0015			WC-E0112
1	0060	3	PI-C072A	Pressure Indicator	Sludge Polymer Feed Pump PC072A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0015		WB-M0464	WC-E0112
1   15-C072A   Temperature Switch   Studge Polymer Feed Pump PC072A High Stator Temperature   Skid   Vendor Package   Mech. Contractor   Wired to local control panel   WC-P0015   WC-P0014   WC-P0014   WC-P0015   WC-P0014   WC-P00																		
PS-C072A   Pressure Switch   Filter Polymer Feed Pump PC072A High Discharge Pressure   Skid   Vendor Package   Mech. Contractor   Wired to local control panel   WC-P0014   WC-P0019   WB-A0455   WC-P0019   WC	0061	1	SOL-C072A	Solenoid Valve	Service Water to P-C072A Discharge Flow Control Valve			120V		Skid	Vendor Package	Mech. Contractor			WC-P0015			WC-E0112
1	0062	1	TS-C072A	Temperature Switch	Sludge Polymer Feed Pump PC072A High Stator Temperature					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0015			WC-E0112
1	0063	1	PS-C072A	Pressure Switch	Filter Polymer Feed Pump PC072A High Discharge Pressure					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0014			WC-E0112
1	0064	1	LE-C701A	Level Element	Filter Inlet Chamber (TK-C701A) Level					Flange	E&I Contractor	E&I Contractor		I120	WO-P0010	WB-A0455	WB-A0401	WO-M0121
1 LT-C702A Level Indicator Transmitter Filter Inlet Chamber (TK-C702A) Level 120V 0.5 m Wall/ Stand E&l Contractor E&l Contractor E&l Contractor To measure any liquid in containment I120 WC-P0011 WB-A0455 WB-A0402 WO-M012 WB-A0458 N/A WC-E0112 WC-P0069 VB-A0458 N/A WC-E0112 WC-P0069 VB-A0458 N/A WC-E0112 WC-P0069 VB-A0455 WB-A0405 WB-A0455 WB-A0401 WC-E0112 WC-P0070 VB-A0455 WB-A0401 WB-A0455 WB-A0401 WC-E0112 WC-P0070 VB-A0455 WB-A0402 WC-E0112 WC-P0070 VB-A0455 WB-A0407 WC-E0112 WC-P0070 VB-A0455 WC-P0070 VB-A0455 WB-A0407 WC-E0112 WC-P0070 VB-A0455 WB-A0407 WC-E0112 WC-P0070 VB-A0455 WB-A0407 WC-E0112 WC-P0070 VB-A0455 WC-P0070 VB-	0065	1	LT-C701A	Level Indicator Transmitter	Filter Inlet Chamber (TK-C701A) Level			120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WO-P0010	WB-A0455	WB-A0402	WO-M0121
1	0066	1	LE-C702A	Level Element	Filter Inlet Chamber (TK-C702A) Level					Flange	E&I Contractor	E&I Contractor		I120	WO-P0011	WB-A0455	WB-A0401	WO-M0121
Le-C810A Level Element Hydrogen Peroxide Feed Tank TKC810A Level    Hydrogen Peroxide Feed Tank TKC810A Level   Hydrogen Peroxide Feed Tank TKC810A Level	0067	1	LT-C702A	Level Indicator Transmitter	Filter Inlet Chamber (TK-C702A) Level			120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WO-P0011	WB-A0455	WB-A0402	WO-M0121
Le-C810A Level Element Hydrogen Peroxide Feed Tank TKC810A Level    Hydrogen Peroxide Feed Tank TKC810A Level   Hydrogen Peroxide Feed Tank TKC810A Level																		
2 LT-C810A Level Indicator Transmitter Hydrogen Peroxide Feed Tank TKC810A Level 120V 0-4 mtrs Wall/ Stand E&l Contractor E&l Contractor Part of local control panel LCP-C800 WC-P0001 WB-A0455 WB-A0402 WC-E0112	0068	1	LS-C800A	Conductivity Level Switch	Hydrogen Peroxide Spill Containment High Level			120V	6mm from floor of containment	Bracket	E&I Contractor	E&I Contractor	To measure any liquid in containment	I126	WC-P0001	WB-A0458	N/A	WC-E0112
2 LI-C810B Remote Indicator Hydrogen Peroxide Feed Tank TKC810A Level Loop Powered Panel E&I Contractor E&I Con	0069	2	LE-C810A	Level Element	Hydrogen Peroxide Feed Tank TKC810A Level					Flange	E&I Contractor	E&I Contractor		I120	WC-P0001	WB-A0455	WB-A0401	WC-E0112
2 TE-C810A Temperature Element Hydrogen Peroxide Feed Tank TKC810A Temperature	0070	2	LT-C810A	Level Indicator Transmitter	Hydrogen Peroxide Feed Tank TKC810A Level			120V	0-4 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WC-P0001	WB-A0455	WB-A0402	WC-E0112
2 TE-C810A Temperature Element Hydrogen Peroxide Feed Tank TKC810A Temperature										1								$\Box$
Temperature Indicator	0071	2	LI-C810B	Remote Indicator	Hydrogen Peroxide Feed Tank TKC810A Level			Loop Powered		Panel	E&I Contractor	E&I Contractor	Part of local control panel LCP-C800		WC-P0001			WC-E0112
	0072	2	TE-C810A	Temeperature Element	Hydrogen Peroxide Feed Tank TKC810A Temperature					Flange	E&I Contractor	E&I Contractor		I131	WC-P0001		WB-A0407	WC-E0112
0073 2 TT-C810A Transmiter Hydrogen Peroxide Feed Tank TKC810A Temperature Wall/ Stand E&I Contractor Remote mounted inidicator I131 WC-P0001 WB-A0465 WC-E0112																		
	0073	2	TT-C810A	Transmiter	Hydrogen Peroxide Feed Tank TKC810A Temperature					Wall/ Stand	E&I Contractor	E&I Contractor	Remote mounted inidcator	I131	WC-P0001	WB-A0465		WC-E0112

							IN	STRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUEAGTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTO	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	ВУ	ВҮ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0074	2	LE-C820A	Level Element	Hydrogen Peroxide Feed Tank TKC820A Level					Flange	E&I Contractor	E&I Contractor		l120	WC-P0001	WB-A0455	WB-A0401	WC-E0112
0075	2	LT-C820A	Level Indicator Transmitter	Hydrogen Peroxide Feed Tank TKC820A Level			120V	0-4 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WC-P0001	WB-A0455	WB-A0402	WC-E0112
				7 0													
0076	2	LI-C820A	Remote Indicator	Hydrogen Peroxide Feed Tank TKC820A Level			Loop Powered		Panel	E&I Contractor	E&I Contractor	Part of local control panel LCP-C800		WC-P0001			WC-E0112
0077	2	TE-C820A	Temeperature Element	Hydrogen Peroxide Feed Tank TKC820A Temperature			'		Flange	E&I Contractor	E&I Contractor	'	I131	WC-P0001		WB-A0407	WC-E0112
			Temperature Indicator						-								
0078	2	TT-C820A	Transmiter	Hydrogen Peroxide Feed Tank TKC820A Temperature					Wall/ Stand	E&I Contractor	E&I Contractor	Remote mounted inidcator	I131	WC-P0001	WB-A0465		WC-E0112
												Compact 6mm Inline flow meter. Pre					
0079	1	FT-C840A	Flow Indicator Transmitter	Hydrogen Peroxide Metering Pump P-C840A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	wired to local panel	I102	WC-P0002	WB-A0456		WC-E0112
												Rotameter Complete With Low Flow					
0800	1	FI-C840A	Flow Indicator	Service Water to PC840A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0002			WC-E0112
0081	1	FS-C840A	Flow Switch	Service Water to PC840A Low Flow					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0002	WB-A0463		WC-E0112
0082	3	PI-C840A	Pressure Indicator	Hydrogen Peroxide Dosing Pump PC840A Outlet Pressure					Skid	Vendor Package	Mech. Contractor		I112	WC-P0002		WB-M0464	WC-E0112
0083	1	SOL-C840A	Solenoid Valve	Service Water to PC840A Discharge Flow Control Valve					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0002			WC-E0112
												Compact 6mm Inline flow meter. Pre					
0084	1	FT-C850A	Flow Indicator Transmitter	Hydrogen Peroxide Metering Pump P-C850A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	wired to local panel	I102	WC-P0002	WB-A0456		WC-E0112
												Rotameter Complete With Low Flow					
0085	1	FI-C850A	Flow Indicator	Service Water to PC850A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0002			WC-E0112
0086	1	FS-C850A	Flow Switch	Service Water to PC850A Low Flow					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0002	WB-A0463		WC-E0112
0087	3	PI-C850A	Pressure Indicator	Hydrogen Peroxide Dosing Pump PC850A Outlet Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0002		WB-M0464	WC-E0112
0088	1	SOL-C850A	Solenoid Valve	Service Water to PC850A Discharge Flow Control Valve					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0002			WC-E0112
												Compact 6mm Inline flow meter. Pre					
0089	1	FT-C860A	Flow Indicator Transmitter	Hydrogen Peroxide Metering Pump P-C860A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	wired to local panel	I102	WC-P0002	WB-A0456		WC-E0112
												Rotameter Complete With Low Flow					
0090	1	FI-C860A	Flow Indicator	Service Water to PC860A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0002			WC-E0112
0091	1	FS-C860A	Flow Switch	Service Water to PC860A Low Flow					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0002	WB-A0463		WC-E0112
0092	3	PI-C860A	Pressure Indicator	Hydrogen Peroxide Dosing Pump PC860A Outlet Pressure					Skid	Vendor Package	Mech. Contractor		I112	WC-P0002		WB-M0464	WC-E0112
0093	1	SOL-C860A	Solenoid Valve	Service Water to PC860A Discharge Flow Control Valve					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0002			WC-E0112
0094	1	LE-C940B	Level Element	Sodium Bisulphite Feed Tank Level					Flange	E&I Contractor	E&I Contractor		I120	WC-P0003	WB-A0455	WB-A0401	WC-E0112
0095	1	LT-C940B	Level Indicator Transmitter	Sodium Bisulphite Feed Tank Level			120V	0-1.8 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WC-P0003	WB-A0455	WB-A0402	WC-E0112
												Compact 6mm Inline flow meter. Pre					
0096	1	FT-C950A	Flow Indicator Transmitter	Sodium Bisulphite Metering Pump P-C950A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	wired to local panel	I102	WC-P0004	WB-A0456		WC-E0112
												Rotameter Complete With Low Flow					
0097	1	FI-C950A	Flow Indicator	Service Water to P-C950A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0004			WC-E0112
0098	1	FS-C950A	Flow Switch	Service Water to P-C950A Low Flow					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0004	WB-A0463		WC-E0112
0099	3	PI-C950A	Pressure Indicator	Sodium Bisulphite Pump PC950A Outlet Pressure Indicator					Skid	Vendor Package	Mech. Contractor		l112	WC-P0004		WB-M0464	WC-E0112
0100	1	SOL-C950A	Solenoid Valve	Service Water to P-C950A Discharge Flow Control Valve					Skid	Mech. Contractor	Mech. Contractor	Wired to local panel		WC-P0004			WC-E0112
		FT 00/01	E									Compact 6mm Inline flow meter. Pre	1400		1115 1015/		
0101	1	F1-C960A	Flow Indicator Transmitter	Sodium Bisulphite Metering Pump P-C960A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	wired to local panel	I102	WC-P0004	WB-A0456		WC-E0112
0400		EL 00/04							CI.I	V 1 5 1		Rotameter Complete With Low Flow		1410 D0004			INO E0440
0102	1		Flow Indicator	Service Water to P-C960A Flow Indicator						Vendor Package	Mech. Contractor	Switch		WC-P0004			WC-E0112
0103	1	FS-C960A	Flow Switch	Service Water to P-C960A Low Flow					Skid	Vendor Package	Mech. Contractor		1440	WC-P0004	WB-A0463	WD 120171	WC-E0112
0104	3	PI-C960A	Pressure Indicator	Sodium Bisulphite Pump PC960A Outlet Pressure Indicator					Skid	Vendor Package	Mech. Contractor		l112	WC-P0004		WB-M0464	WC-E0112
0105		COL 00/0*	Salanaid Value	Canida Water to D. CO/OA Discharge Flour Control Value					Claid	Moch Controller	Mooh Contractor			MC Door			WC F0110
0105		30L-6400A	Solenoid Valve	Service Water to P-C960A Discharge Flow Control Valve					Skid	Mech. Contractor	Mech. Contractor			WC-P0004			WC-E0112
0104	1	FT C070.4	Flow Indicator Transmitter	Codium Digulahita Mataring Duma D. 0070A Outlet Flau Dat-			24V DC		Chid	Vandar Daakaaa	Mooh Contrasts	Compact 6mm Inline flow meter. Pre	1100	MC Door	WD 4045/		WC F0112
0106	_ '	FT-C970A	Flow Indicator Transmitter	Sodium Bisulphite Metering Pump P-C970A Outlet Flow Rate		ļ	24V DC		Skid	Vendor Package	Mech. Contractor	wired to local panel	I102	WC-P0004	WB-A0456		WC-E0112
0107	1	FI_CO70A	Flow Indicator	Service Water to P-C970A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Rotameter Complete With Low Flow Switch		WC-P0004			WC-E0112
0107	'	11-67/UA	i iow iliuicatui	SCIVICE WAIGH IN F *C7/OA FIOW INDICATO					JNIU	venuui raukaye	IVICCII. CUITII ACIUI	SWILCH		VV-FUUU4			VV C-EUTIZ

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	ВУ	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0108	1	FS-C970A	Flow Switch	Service Water to P-C970A Low Flow			301111	IANOL	Skid	Vendor Package	Mech. Contractor	Wired to local panel	DATA SHEET	WC-P0004	WB-A0463	DETAIL	WC-E0112
0109	3		Pressure Indicator	Sodium Bisulphite Pump PC970 Outlet Pressure Indicator					Skid	Vendor Package	Mech. Contractor	Wiled to local partor	l112	WC-P0004	VVB 710 100	WB-M0464	WC-E0112
0107	3	1107707	T 1033u10 mulcutor	South Bisulphile Fully 1 6770 Suitet Fessure indicator					Jilu	vendor i dekage	Ween. Contractor		1112	WO 1 0004		WB MOTOT	WO LOTTZ
0110	1	SOL-C970A	Solenoid Valve	Service Water to P-C970A Discharge Flow Control Valve					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0004			WC-E0112
0111	1	LS-C980A	Conductivity Level Switch	Sodium Bisulphite Spill Containment High Level			120V	6mm from floor of containment	Bracket	E&I Contractor	E&I Contractor	To measure any liquid in containment	l 1126	WC-P0003	WB-A0458	N/A	WC-E0112
0112	1	PT-F010A	Pressure Indicator Transmitter	Filter Air Scour Blower BLWF010A Inlet Air Filter Differential Pressure			Loop Powered	0-100 Kpa	Manifold	Vendor Package	Mech. Contractor		l111	WF-P0010	WB-A0465		WF-E0134
0113	3	PI-F010A	Pressure Indicator	Filter Air Scour Blower BLWF010A Outlet Air Pressure						Vendor Package	Mech. Contractor		l112	WF-P0010		WB-M0464	WF-M0406
0114	1	PT-F010B	Pressure Indicator Transmitter	Filter Air Scour Blower BLWF010A Outlet Air Pressure			Loop Powered	0-180 Kpa	Manifold	Vendor Package	Mech. Contractor		l111	WF-P0010	WB-A0465		WF-E0134
0115	1	TT-F010A	Temperature Indicator Transmitter (Thermistor)	Filter Air Scour Blower BLWF010A Winding Temperature						Vendor Package	Mech. Contractor	Wired to MCC	I131	WF-P0010			WF-E0134
0116	1	TT-F010B	Temperature Indicator Transmitter (RTD)	Filter Air Scour Blower BLWF010A Bearing Temperature						Vendor Package	Mech. Contractor	Wired to MCC	l131	WF-P0010	WB-A0465	WB-A0407	WF-E0134
0117	1	TT-F010C	Temperature Indicator Transmitter (RTD)	Filter Air Scour Blower BLWF010A Bearing Temperature						Vendor Package	Mech. Contractor	Wired to MCC	l131	WF-P0010	WB-A0465	WB-A0407	WF-E0134
0118	1	TI-F010A	Temperature Indicator	Filter Air Scour Blower BLWF010A Outlet Air Temperature						Vendor Package	Mech. Contractor		l131	WF-P0010			WF-M0406
0119	1	VT-F010A	Vibration Transmitter	Filter Air Scour Blower BLWF010A Vibration Monitor						Vendor Package	Mech. Contractor	Wired to local panel		WF-P0010			WF-E0134
												'					+
0120	1	PT-F020A	Pressure Indicator Transmitter	Filter Air Scour Blower BLWF020A Inlet Air Filter Differential Pressure			Loop Powered	0-100 Kpa	Manifold	Vendor Package	Mech. Contractor		l111	WF-P0010	WB-A0465		WF-E0134
0121	3	PI-F020A	Pressure Indicator	Filter Air Scour Blower BLWF020A Outlet Air Pressure						Vendor Package	Mech. Contractor		l112	WF-P0010		WB-M0464	WF-M0406
0122	1	PT-F020B	Pressure Indicator Transmitter	Filter Air Scour Blower BLWF020A Outlet Air Pressure			Loop Powered	0-180 Kpa	Manifold	Vendor Package	Mech. Contractor		l111	WF-P0010	WB-A0465		WF-E0134
0123	1	TT-F020A	Temperature Indicator Transmitter (Thermistor)	Filter Air Scour Blower BLWF020A Winding Temperature						Vendor Package	Mech. Contractor	Wired to MCC	l131	WF-P0010			WF-E0134
0124	1	TT-F020B	Temperature Indicator Transmitter (RTD)	Filter Air Scour Blower BLWF020A Bearing Temperature						Vendor Package	Mech. Contractor	Wired to MCC	I131	WF-P0010	WB-A0465	WB-A0407	WF-E0134
0125	1	TT-F020C	Temperature Indicator Transmitter (RTD)	Filter Air Scour Blower BLWF020A Bearing Temperature						Vendor Package	Mech. Contractor	Wired to MCC	I131	WF-P0010	WB-A0465	WB-A0407	WF-E0134
0126	1	TI-F020A	Temperature Indicator	Filter Air Scour Blower BLWF020A Outlet Air Temperature				0-180 Kpa		Vendor Package	Mech. Contractor		l131	WF-P0010			WF-M0406
0127	1	VT-F020A	Vibration Transmitter	Filter Air Scour Blower BLWF020A High Vibration						Vendor Package	Mech. Contractor	Wired to local panel		WF-P0010			WF-E0134
0128	2	FE-F030A	Flow Element	Filter Air Scour Blower Outlet Flow					Flange	E&I Contractor	Mech. Contractor	350mm V cone flowmeter		WF-P0010			WF-M0406
0129	2	FT-F030A	Flow Indicator Transmitter	Filter Air Scour Blower Outlet Flow			Loop Powered		Wall/Stand	E&I Contractor	E&I Contractor	Differential pressure transmitter with temp compensation	I110	WF-P0010	WB-A0465		WF-E0134
0130	1	TT-F030A	Temperature Indicator Transmitter	Filter Air Scour Blower Outlet Temperature			Loop Powered			E&I Contractor	E&I Contractor	RTD with head mounted transmitter indicator	l131	WF-P0010			WF-E0134
0131	1	LT-F050A	Level Indicator Transmitter	Filtered Water Chamber Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WF-P0011	WB-A0455	WB-A0402	WF-E0123
0132	1	LE-F050A	Level Element	Filtered Water Chamber Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0011	WB-A0455	WB-A0401	WF-E0123
0133	1	FS-F055A	Flow Switch	Chlorine Contact Tank to Supernatent Pump Station Drain Pump Outlet Flow						E&I Contractor	E&I Contractor		I105	WF-P0012			WF-M0407
0134	1	AE-F056A	Free Chlorine Sensor	Chlorine Contact Tank Outlet Free Chlorine Measurement						E&I Contractor	E&I Contractor		I170	WF-P0011			WF-E0103
0135	1	AT-F056A	Free Chlorine Analyzer	Chlorine Contact Tank Outlet Free Chlorine Measurement						E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	I170	WF-P0011			WF-E0103
0136	1	FI-F056A	Flow Indicator	Chlorine Contact Tank Outlet Free Chlorine Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0011			WF-E0103
0137	1		Flow Switch	Chlorine Contact Tank Outlet Free Chlorine Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0011		<del> </del>	WF-E0103
0138	1		Level Indicator Transmitter	Filter No. 1 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		1120	WF-P0001	WB-A0455	WB-A0402	WF-E0133
0139	1		Level Element	Filter No. 1 Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0001	WB-A0455	WB-A0401	WF-E0133
0140	2	PT-F100A	Differential Pressure Indicator	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		l110	WF-P0001	WB-A0465	WF-M0451	WF-E0103
0141	3			Top Filter Media Differential Pressure				0-250 Kpa		Mech. Contractor	Mech. Contractor		I110	WF-P0001		WF-M0451	

								STRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		BY	BY		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0142	3			Bottom Filter Media Differential Pressure			4001/	0-250 Kpa	M 11/C)	Mech. Contractor	Mech. Contractor		I110	WF-P0001	14/5 40450	WF-M0451	WE 50400
0143	2	FT-F103A	Flow Indicator Transmitter	Filter TKF100A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor	(00	I100	WF-P0001	WB-A0453	WB-A0402	WF-E0103
0144	2	FE-F103A	Flow Element	Filter TKF100A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	I100	WF-P0001	WB-A0453	WB-A0453	WF-M0401
0145	2	AT-F110A	Turbidity Analyzer/ Transmitter	Filter TKF100A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	1162	WF-P0001	WB-A0459	WF-M0452	WF-E0103
0146	2	AT-F110B	Particle Counter Transmitter	Filter TKF100A Outlet Particle Count				0-2500 particles with 2-50 micron threshold		E&I Contractor	E&I Contractor		1164	WF-P0001		WF-M0452	WF-E0103
0147	1	FI-F110A	Flow Indicator	Filter TKF100A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0001		WF-M0452	WF-E0103
0147	1		Flow Switch	Filter TKF100A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor	Switch		WF-P0001	WB-A0463	WF-M0452	WF-E0103
0140	- +	131110/	Tiow Switch	Third Titl Took Guilet Furbially Sumple Flow Low						Edi Contractor	Edi Contractor	Datamatar Camplata With Law Flau		WI 1 0001	VVD 710403	WI WOTSE	WI E0103
0149	1	FI-F110B	Flow Indicator	Filter TKF100A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0001		WF-M0452	WF-E0103
0150	1	FS-F110B	Flow Switch	Filter TKF100A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0001	WB-A0463	WF-M0452	WF-E0103
0151	1	LT-F200A	Level Indicator Transmitter	Filter No. 2 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0002	WB-A0455	WB-A0402	WF-E0133
0152	1	LE-F200A	Level Element	Filter No. 2 Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0002	WB-A0455	WB-A0401	WF-E0133
			Differential Pressure Indicator														<del>                                     </del>
0153	2	PT-F200A	Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		l110	WF-P0002	WB-A0465	WF-M0451	WF-E0103
0154	2	FT-F203A	Flow Indicator Transmitter	Filter TKF200A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WF-P0002	WB-A0453	WB-A0402	WF-E0103
0155	2	FE-F203A	Flow Element	Filter TKF200A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	I100	WF-P0002	WB-A0453	WB-A0453	WF-M0402
												Analyzer assembly mounted on					
0156	2	AT-F210A	Turbidity Analyzer/ Transmitter	Filter TKF200A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	HDPE wall mounted panel	l162	WF-P0002	WB-A0459	WB-A0459	WF-M0452
0157	2	AT-F210B	Particle Counter Transmitter	Filter TKF200A Outlet Particle Count				0-2500 particles with 2-50 micron threshold		E&I Contractor	E&I Contractor		l164	WF-P0002		WF-M0452	WF-E0103
0158	1	FI-F210A	Flow Indicator	Filter TKF200A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0002		WF-M0452	WF-E0103
0159	1	FS-F210A	Flow Switch	Filter TKF200A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0002	WB-A0463	WF-M0452	WF-E0103
												Rotameter Complete With Low Flow					
0160	1	FI-F210B	Flow Indicator	Filter TKF200A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0002		WF-M0452	WF-E0103
0161	1	FS-F210B	Flow Switch	Filter TKF200A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0002	WB-A0463	WF-M0452	WF-E0103
0162	1	LT-F300A	Level Indicator Transmitter	Filter No. 3 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0003	WB-A0455	WB-A0402	WF-E0133
0163	1	LE-F300A	Level Element	Filter No. 3 Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0003	WB-A0455	WB-A0401	WF-E0133
0164	2	PT-F300A	Differential Pressure Indicator	Overall Filter Differential Pressure			Loop Doworod	0.180 Kna	Manifold	E&I Contractor	E&I Contractor		l110	WF-P0003	WB-A0465	WF-M0451	WF-E0103
0165			Flow Indicator Transmitter	Filter TKF300A Outlet Flow			Loop Powered 120V	0-100 κμα	Wall/Stand	E&I Contractor E&I Contractor	E&I Contractor		1110	WF-P0003	WB-A0463 WB-A0453	WB-A0402	WF-E0103
0166			Flow Element	Filter TKF300A Outlet Flow			1200		Flange	E&I Contractor	Mech. Contractor	600 mm	1100	WF-P0003	WB-A0453	WB-A0402 WB-A0453	WF-M0402
0100		1 1 1 303/1	I low Element	The TRI SOUT Cullet How					riange	Edi Contractor	Ween. Contractor		1100	WI 1 0003	VVD 710433	VVD 710433	VVI 1VIO-102
0167	2	AT-F310A	Turbidity Analyzer/ Transmitter	Filter TKF300A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	l162	WF-P0003	WB-A0459	WB-A0459	WF-M0452
0168	2	AT-F310B	Particle Counter Transmitter	Filter TKF300A Outlet Particle Count				0-2500 particles with 2-50 micron threshold		E&I Contractor	E&I Contractor		l164	WF-P0003		WF-M0452	WF-E0103
0169	1	FI-F310A	Flow Indicator	Filter TKF300A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0003		WF-M0452	WF-E0103
0170	1		Flow Switch	Filter TKF300A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0003	WB-A0463	WF-M0452	WF-E0103
0171	1		Flow Indicator	Filter TKF300A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0003		WF-M0452	WF-E0103
0171	1		Flow Switch	Filter TKF300A Outlet Particle Counter Sample Flow Low		1				E&I Contractor	E&I Contractor	- Carrott		WF-P0003	WB-A0463	WF-M0452	WF-E0103
0172	1		Level Indicator Transmitter	Filter No. 4 Level	-	1	120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0004	WB-A0455	WB-A0402	WF-E0133
0174			Level Element	Filter No. 4 Level	1		· <del>*</del> ·		Flange	E&I Contractor	E&I Contractor		1120	WF-P0004	WB-A0455	WB-A0401	WF-E0133
			Differential Pressure Indicator		1				3				20	/ 5551			
0175	2	PT-F400A		Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		l110	WF-P0004	WB-A0465	WF-M0451	WF-E0103
0176	2	FT-F403A	Flow Indicator Transmitter	Filter TKF400A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WF-P0004	WB-A0453	WB-A0402	WF-E0103
0177	2	FE-F403A	Flow Element	Filter TKF400A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	I100	WF-P0004	WB-A0453	WB-A0453	WF-M0403

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
			INICEDIMENT TYPE		MANUFACTURER	MODEL			MOUNTING			COMMENTS					
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		BY	BY		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0178	2	AT-F410A	Turbidity Analyzer/ Transmitter	Filter TKF400A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	l162	WF-P0004	WB-A0459	WB-A0459	WF-M0452
0179	2	AT-F410B	Particle Counter Transmitter	Filter TKF400A Outlet Particle Count				0-2500 particles with 2-50 micron threshold		E&I Contractor	E&I Contractor		I164	WF-P0004		WF-M0452	WF-E0103
0180	1	FI-F410A	Flow Indicator	Filter TKF400A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0004		WF-M0452	WF-E0103
0181	1	FS-F410A	Flow Switch	Filter TKF400A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0004	WB-A0463	WF-M0452	WF-E0103
0182	1	FI-F410B	Flow Indicator	Filter TKF400A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0004		WF-M0452	WF-E0103
0183	1	FS-F410B	Flow Switch	Filter TKF400A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0004	WB-A0463	WF-M0452	WF-E0103
0184	1	LT-F500A	Level Indicator Transmitter	Filter No. 5 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0005	WB-A0455	WB-A0402	WF-E0134
0185	1	LE-F500A	Level Element	Filter No. 5 Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0005	WB-A0455	WB-A0401	WF-E0134
0186	2	PT-F500A	Differential Pressure Indicator Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		l110	WF-P0005	WB-A0465	WF-M0451	WF-E0104
0187	2	FT-F503A	Flow Indicator Transmitter	Filter TKF500A Outlet Flow			120V	0 100 Kpa	Wall/Stand	E&I Contractor	E&I Contractor		1100	WF-P0005	WB-A0453	WB-A0402	WF-E0104
0188	2	FE-F503A	Flow Element	Filter TKF500A Outlet Flow			1200		Flange	E&I Contractor	Mech. Contractor	600 mm	1100	WF-P0005	WB-A0453	WB-A0453	WF-M0403
0189	2			Filter TKF500A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	1162	WF-P0005	WB-A0459	WB-A0459	WF-E0104
			, ,	,				0-2500 particles with 2-50 micron				'					
0190	2	AT-F510B	Particle Counter Transmitter	Filter TKF500A Outlet Particle Count				threshold		E&I Contractor	E&I Contractor		l164	WF-P0005		WF-M0452	WF-E0104
0191	1	FI-F510A	Flow Indicator	Filter TKF500A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0005		WF-M0452	WF-E0104
0192	1	FS-F510A	Flow Switch	Filter TKF500A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor	5 m.c.		WF-P0005	WB-A0463	WF-M0452	WF-E0104
0193	1	FI-F510B	Flow Indicator	Filter TKF500A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0005	WB 710 100	WF-M0452	WF-E0104
0194	1	FS-F510B	Flow Switch	Filter TKF500A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0005	WB-A0463	WF-M0452	WF-E0104
0195	1	LT-F600A	Level Indicator Transmitter	Filter No. 6 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0006	WB-A0455	WB-A0402	WF-E0134
0196	1	LE-F600A	Level Element	Filter No. 6 Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0006	WB-A0455	WB-A0401	WF-E0134
0197	2	PT-F600A	Differential Pressure Indicator Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		l110	WF-P0006	WB-A0465	WF-M0451	WF-E0104
0198	2	FT-F603A	Flow Indicator Transmitter	Filter TKF600A Outlet Flow			120V	0 100 Npa	Wall/Stand	E&I Contractor	E&I Contractor		I100	WF-P0006	WB-A0453	WB-A0402	WF-E0104
0170	2	FE-F603A	Flow Element	Filter TKF600A Outlet Flow			1200		Flange	E&I Contractor	Mech. Contractor	600 mm	1100	WF-P0006	WB-A0453	WB-A0453	WF-M0403
0200	2		Turbidity Analyzer/ Transmitter					0-1 NTU		E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	1162	WF-P0006	WB-A0459	WB-A0459	WF-E0104
0201	2			Filter TKF600A Outlet Particle Count				0-2500 particles with 2-50 micron threshold		E&I Contractor	E&I Contractor	·	l164	WF-P0006		WF-M0452	WF-E0104
0202	1	FI-F610A	Flow Indicator	Filter TKF600A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0006		WF-M0452	WF-E0104
0203	1	FS-F610A	Flow Switch	Filter TKF600A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0006	WB-A0463	WF-M0452	WF-E0104
0204	1	FI-F610B	Flow Indicator	Filter TKF600A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0006		WF-M0452	WF-E0104
0205	1	FS-F610B	Flow Switch	Filter TKF600A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0006	WB-A0463	WF-M0452	WF-E0104
0206	1	LT-F700A	Level Indicator Transmitter	Filter No. 7 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WF-P0007	WB-A0455	WB-A0402	WF-E0134
0207	1	LE-F700A	Level Element	Filter No. 7 Level					Flange	E&I Contractor	E&I Contractor		I120	WF-P0007	WB-A0455	WB-A0401	WF-E0134
0208	2	PT-F700A	Differential Pressure Indicator Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		l110	WF-P0007	WB-A0465	WF-M0451	WF-E0104
0209	2	FT-F703A	Flow Indicator Transmitter	Filter TKF700A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WF-P0007	WB-A0453	WB-A0402	WF-E0104
0210	2	FE-F703A	Flow Element	Filter TKF700A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	I100	WF-P0007	WB-A0453	WB-A0453	WF-M0404
0211	2	AT-F710A	Turbidity Analyzer/ Transmitter	Filter TKF700A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	l162	WF-P0007	WB-A0459	WB-A0459	WF-E0104
0212	2	AT-F710B	Particle Counter Transmitter	Filter TKF700A Outlet Particle Count				0-2500 particles with 2-50 micron threshold		E&I Contractor	E&I Contractor		l164	WF-P0007		WF-M0452	WF-E0104

								IN	STRUMENT INDEX									
Mary	RECORD	REV.	TAG		DESCRIPTION	MANUEAGTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
1	NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	BY	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
1													Rotameter Complete With Low Flow					
	0213	1	FI-F710A	Flow Indicator	Filter TKF700A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	· ·		WF-P0007		WF-M0452	WF-E0104
		1	FS-F710A		·										WF-P0007	WB-A0463	WF-M0452	
					, ,								Rotameter Complete With Low Flow					-
	0215	1	FI-F710B	Flow Indicator	Filter TKF700A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	·		WF-P0007		WF-M0452	WF-E0104
	0216	1	FS-F710B		·										WF-P0007	WB-A0463	WF-M0452	
	0217	1	LT-F800A		Filter No. 8 Level			120V	0-10 m	Wall/ Stand				I120	WF-P0008		WB-A0402	
	0218	1																
										9-								
	0219	2	PT-F800A		Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		I110	WF-P0008	WB-A0465	WF-M0451	WF-E0104
1								<u>'</u>	'			+						
1	0220	3	PI-F800B	Differential Pressure Indicator	Top Filter Media Differential Pressure				0-250 Kpa		Mech. Contractor	Mech. Contractor		I110	WF-P0008		WF-M0451	
1					'				'			+						
1	0221	3	PI-F800C	Differential Pressure Indicator	Bottom Filter Media Differential Pressure				0-250 Kpa		Mech. Contractor	Mech. Contractor		I110	WF-P0008		WF-M0451	
Part		2	FT-F803A	Flow Indicator Transmitter	Filter TKF800A Outlet Flow			120V	'	Wall/Stand	E&I Contractor	E&I Contractor		I100	WF-P0008	WB-A0453	WB-A0402	WF-E0104
	0223	2	FE-F803A	Flow Element	Filter TKF800A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	I100	WF-P0008	WB-A0453	WB-A0453	WF-M0404
2										1		+	Analyzer assembly mounted on					
Part	0224	2	AT-F810A	Turbidity Analyzer/ Transmitter	Filter TKF800A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor		1162	WF-P0008	WB-A0459	WF-M0452	WF-E0104
2				, ,	,				0-2500 particles with 2-50 micron			+	·					-
	0225	2	AT-F810B	Particle Counter Transmitter	Filter TKF800A Outlet Particle Count						E&I Contractor	E&I Contractor		I164	WF-P0008		WF-M0452	WF-E0104
													Rotameter Complete With Low Flow					+
1	0226	1	FI-F810A	Flow Indicator	Filter TKF800A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	·		WF-P0008		WF-M0452	WF-E0104
1	0227	1	FS-F810A	Flow Switch	Filter TKF800A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0008	WB-A0463	WF-M0452	WF-E0104
1												+	Potameter Complete With Low Flow					
Page	0228	1	FI-F810B	Flow Indicator	Filter TKF800A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor			WF-P0008		WF-M0452	WF-E0104
Page	0229	1	FS-F810B	Flow Switch	Filter TKF800A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0008	WB-A0463	WF-M0452	WF-E0104
2					,							+						
2				Pressure Indicator/Level									Flange mounted pressure transmitter					
1	0230	2	PT-F910A		Backwash Tank TNKF910A Level			Loop Powered	0-180 Kpa	Flange	E&I Contractor	E&I Contractor		l111	WF-P0009	WB-A0465	WB-A0408	WF-E0102
No.   Principal	0231	2	FT-F911A	Flow Indicator Transmitter				120V		Wall/Stand	E&I Contractor	E&I Contractor	,	I100	WF-P0009	WB-A0453	WB-A0402	WF-E0103
Page	0232	2	FE-F911A	Flow Element	Filter Backwash Pump P-F911A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	I100	WF-P0009	WB-A0453	WB-A0453	WF-E0103
Page					'								Refer to PID for full installation					<del>                                     </del>
Lop Powerd Dig Nga Manifold EM Contractor Vendor Package Meth	0233	3	PI-F911A	Pressure Indicator	Filter Backwash Pump P-F911A Outlet Pressure						Mech. Contractor	Mech. Contractor		I112	WF-P0009		WB-M0464	WF-E0103
1   11-911A	0234	1	PS-F911A	Pressure Switch							E&I Contractor	E&I Contractor	Wired to local panel	I115	WF-P0009			WF-E0103
1   11-911A													· ·					
1	0235	1	PT-F911A	Pressure Indicator Transmitter	Filter Backwash Pump P-F911A Outlet Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		I111	WF-P0009	WB-A0465		WF-E0103
1	0236	1	TT-F911A	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
1 TFF911D Temperature Transmitter Filter Backwash Pump PF911A Winding Temperature	0237	1	TT-F911B	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
1	0238	1	TT-F911C	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
1 TF-911F Temperature Transmitter Filter Backwash Pump P-F911A Winding Temperature  1 TF-911F Temperature Transmitter  1 TF-911F Temperature Transmitter  2 TF-911F Temperature Transmitter  3 TF-911F Temperature Transmitter  3 TF-911F Temperature Transmitter  4 TF-911F Temperature Transmitter  5 TT-911F Temperature Transmitter  5	0239	1	TT-F911D	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
1 TI-F9116 Temperature Transmitter Filter Backwash Pump P-F911A Front Bearing Temperature	0240	1	TT-F911E	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
1 TF-F911A Imperature Transmitter Filter Backwash Pump PF-F911A Back Bearing Temperature	0241	1	TT-F911F	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
1 T-F911 I Imperature Transmitter Filter Backwash Pump P-F911A Back Bearing Temperature	0242	1	TT-F911G	Temperature Transmitter	Filter Backwash Pump P-F911A Front Bearing Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
The Filtr Backwash Pump P-F911A Outlet Temperature  1 Ti-F911A Transmitter  1 Ti-F911A Transmitter  1 Ti-F911A Transmitter  1 Ti-F911A Transmitter  1 Tiler Backwash Pump P-F911A Outlet Temperature  2 Tiler Backwash Pump P-F911A Outlet Temperature  3 Tiler Backwash Pump P-F911A Outlet Temperature  3 Tiler Backwash Pump P-F911A Outlet Temperature  4 Tiler Backwash Pump P-F911A Outlet Temperature		1		·	, , ,						· ·	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0103
1 TF-911A Transmitter Filter Backwash Pump PF-911A Outlet Temperature				·								+	·					
Thermowell E&I Contractor E&I Contractor Wired to local panel Filter Backwash Pump P-F911A Outlet Temperature WF-P0009 WB-A0465 WB-A0408 WF-E0104 Under Package Pressure Indicator/Level Transmitter Filter Backwash Pump P-F921A Outlet Flow WB-A0405	0244	1	TT-F911A		Filter Backwash Pump P-F911A Outlet Temperature						E&I Contractor	E&I Contractor		I131	WF-P0009			WF-E0103
Pressure Indicator/Level Transmitter  Pressure Indicator/Level Transmitter  Backwash Tank TNKF920A Level  2 FT-F921A Flow Indicator Transmitter  Flange  WF-P0009  WF-	0245	2	TE-F911A	Temperature Element	Filter Backwash Pump P-F911A Outlet Temperature					Thermowell	E&I Contractor	E&I Contractor		I131	WF-P0009			WF-E0103
Pressure Indicator/Level Transmitter  Pressure Indicator/Level Transmitter  Backwash Tank TNKF920A Level  2 FT-F921A Flow Indicator Transmitter  Flange  WF-P0009  WF-	0246	1		· ·	·		1				Vendor Package	Mech. Contractor	Wired to local panel		WF-P0013			WF-E0103
2 PT-F920A Transmitter Backwash Tank TNKF920A Level Loop Powered 0-180 Kpa Flange E&I Contractor E&I Contractor measuring level in tank 1120 WF-P0009 WB-A0465 WB-A0408 WF-E0104 Wall/Stand E&I Contractor E&I Contractor Transmitter Filter Backwash Pump P-F921A Outlet Flow WF-P0009 WB-A0453 WF-E0104 WF-P0009 WB-A0453 WF-E0104 WF-P0009 WF							1					+						
2 PT-F920A Transmitter Backwash Tank TNKF920A Level Loop Powered 0-180 Kpa Flange E&I Contractor E&I Contractor measuring level in tank 1120 WF-P0009 WB-A0465 WB-A0408 WF-E0104 Wall/Stand E&I Contractor E&I Contractor Transmitter Filter Backwash Pump P-F921A Outlet Flow WF-P0009 WB-A0453 WF-E0104 WF-P0009 WB-A0453 WF-E0104 WF-P0009 WF				Pressure Indicator/Level									Flange mounted pressure transmitter					
	0247	2	PT-F920A		Backwash Tank TNKF920A Level			Loop Powered	0-180 Kpa	Flange	E&I Contractor	E&I Contractor		I120	WF-P0009	WB-A0465	WB-A0408	WF-E0104
0249 2 FE-F921A Flow Element Filter Backwash Pump P-F921A Outlet Flow WF-P0009 WB-A0453 WF-E0104	0248	2	FT-F921A	Flow Indicator Transmitter	Filter Backwash Pump P-F921A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WF-P0009	WB-A0453	WB-A0402	WF-E0104
	0249	2	FE-F921A	Flow Element	Filter Backwash Pump P-F921A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	I100	WF-P0009	WB-A0453	WB-A0453	WF-E0104

							IN	STRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUEACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	ВҮ	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
												Refer to PID for full installation					
0250	3	PI-F921A	Pressure Indicator	Filter Backwash Pump P-F921A Outlet Pressure						Mech. Contractor	Mech. Contractor	requirements	l112	WF-P0009		WB-M0464	WF-E0104
0251	1	PS-F921A	Pressure Switch	Filter Backwash Pump P-F921A High Outlet Pressure						E&I Contractor	E&I Contractor	Wired to local panel	l115	WF-P0009			WF-E0104
																	$\vdash$
0252	1	PT-F921A	Pressure Indicator Transmitter	Filter Backwash Pump P-F921A Outlet Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		l111	WF-P0009	WB-A0465		WF-E0104
0253	1	TT-F921A	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature					+	Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0104
0254	1	TT-F921B	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature					+	Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0104
0255	1	TT-F921C	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0104
0256	1	TT-F921D	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0104
0257	1	TT-F921E	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0104
0258	1	TT-F921F	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0104
0259	1	TT-F921G	Temperature Transmitter	Filter Backwash Pump P-F921A Front Bearing Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0104
0260	1	TT-F921H	Temperature Transmitter	Filter Backwash Pump P-F921A Back Bearing Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0104
			Temperature Indicator	· · · · · · · · · · · · · · · · · · ·								·					+
0261	1	TT-F921A		Filter Backwash Pump P-F921 Outlet Temperature						E&I Contractor	E&I Contractor		l131	WF-P0009			WF-E0104
0262	2	TE-F921A	Temperature Element	Filter Backwash Pump P-F921 Outlet Temperature					Thermowell	E&I Contractor	E&I Contractor		l131	WF-P0009			WF-E0104
0263	1	VT-F921A	Vibration Transmitter	Filter Backwash Pump P-F921A Vibration						Vendor Package	Mech. Contractor	Wired to local panel		WF-P0013			WF-E0104
0264	0	LE-F980A	Level Element	Backwash Area Process Sump Pump Level					Flange	E&I Contractor	E&I Contractor	Mounted above grating	l120	WF-P0012	WB-A0455	WB-A0401	WF-E0104
0265	0	LT-F980A		Backwash Area Process Sump Pump Level			120V	0-3 m	Wall/ Stand	E&I Contractor	E&I Contractor	3 3	l120	WF-P0012	WB-A0455	WB-A0402	WF-E0104
0266	0	LE-F980B	Level Element	Backwash Area Process Sump Pump Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0012	WB-A0455	WB-A0401	WF-E0104
0267	0	LT-F980B		Backwash Area Process Sump Pump Level			120V	0-3 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0012	WB-A0455	WB-A0402	WF-E0104
0268	0	LS-F984A		Backwash Area Process Sump Pump P-F984A Stop Leve			120V		Flange	E&I Contractor	E&I Contractor		l126	WF-P0012	WB-A0458	N/A	WF-E0104
0269	0	LS-F984B	•	Backwash Area Process Sump Pump P-F984A Start Leve			120V		Flange	E&I Contractor	E&I Contractor		l126	WF-P0012	WB-A0458	N/A	WF-E0104
0270	2	FS-H120A	•	Sprinkler and Standpipes Fire Pump Outlet Flow					95	E&I Contractor	Mech. Contractor		TBC	WH-P0006			WM-E0112
0271	2	FS-H130A	Flow Switch	Outdoor Hydrant Emergency Pump Outlet Flow						E&I Contractor	Mech. Contractor		TBC	WH-P0006			WM-E0112
0272	2	FE-H153A		Fire Pump Test Line Flow						E&I Contractor	Mech. Contractor	200 mm	1100	WH-P0006			WM-E0112
0273	2	FT-H153A	Flow Indicator Transmitter	Fire Pump Test Line Flow					Wall/Stand	E&I Contractor	E&I Contractor	200	1100	WH-P0006	WB-A0465		WM-E0112
0274	1	LE-H400A	Level Element	Fire Pump Room Process Sump Level					vvaii/Staria	E&I Contractor	E&I Contractor		1120	WH-P0007	WB-A0455	WB-A0401	WM-E0112
0274	1	LT-H400A		Fire Pump Room Process Sump Level			120V	0-2 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		1120	WH-P0007	WB-A0455	WB-A0401	WM-E0112
0275	1		Level Element	Fire Pump Room Process Sump Level			1201	0-2 11103	wali/ Stariu	E&I Contractor	E&I Contractor		1120	WH-P0007	WB-A0455 WB-A0455	WB-A0402	WM-E0112
0277	1	LT-H400B		Fire Pump Room Process Sump Level			120V	0-2 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		1120	WH-P0007	WB-A0455	WB-A0401	WM-E0112
0277	1	LS-H500A		Fire Pump Room Sanitary Sump Low Low Level Switch			120V	0-2 111113	Wall/ Stariu	Vendor Package	E&I Contractor	Wired to local control panel	1125	WH-P0001	WB-A0463	WB-A0402	WM-E0112
0279	1	LS-H500B	Level Switch	Fire Pump Room Sanitary Sump Low Level Switch			120V			Vendor Package  Vendor Package	E&I Contractor	Wired to local control panel	1125	WH-P0001	WB-A0463	WB-A0406	WM-E0112
0277	1	LS-H500C		, , ,			1201/			· ·	E&I Contractor	Wired to local control panel		WH-P0001	WB-A0463	WB-A0406	WM-E0112
0200				Fire Pump Room Sanitary Sump High High Level Switch Fire Pump Room Sanitary Sump High Level Switch			120V			Vendor Package Vendor Package			1125	WH-P0001	WB-A0463	WB-A0406	
0281		L3-11300D	Level Switch	The Fullip Room Sanitary Sumpringin Level Switch			1200			vendor Fackage	E&I Contractor	Wired to local control panel	1125	VVI 1-F 000 I	WD-A0403	WD-A0400	WM-E0112
0282	1	I S-H510Δ	Level Switch	Backwash Pump Gallery Sanitary Sump Low Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
				Backwash Pump Gallery Sanitary Sump Low Level Switch			120V			Vendor Package  Vendor Package	E&I Contractor	Wired to local control panel	1125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
0283	<u> </u>	FO 11010D	LOVOI OWILOIT	Buokhash Fump Gunory Sumary Sump Low Level Switch		ļ	1201			vendor i dekaye	zar contractor	Trinca to local control parier	1123	VVII-1 UUUZ	**P-V0402	**D-V0400	VVI E0104
0284	1	LS-H5100	Level Switch	Backwash Pump Gallery Sanitary Sump High High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
0285	1			Backwash Pump Gallery Sanitary Sump High Level Switch		-	120V			Vendor Package  Vendor Package	E&I Contractor	Wired to local control panel	1125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
	1			Elevator Pit Sanitary Sump Low Level Switch			120V			Vendor Package  Vendor Package	E&I Contractor	Wired to local control panel		WH-P0003	WB-A0463	WB-A0406	WA-E0102
0286	1									ŭ		· ·	I125				
0287	1			Elevator Pit Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	1125	WH-P0003 WH-P0004	WB-A0463 WB-A0463	WB-A0406 WB-A0406	WA-E0102 WA-E0102
0288	1			Admin Area Sanitary Sump Llow Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	1125				
0289				Admin Area Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0290				Admin Area Sanitary Sump High High Level Switch		ļ	120V	ļ		Vendor Package	E&I Contractor	Wired to local control panel	1125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0291	1			Admin Area Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0292	1		Pressure Switch	Wet Air Receiver PV-H601A High Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0293	1			Wet Air Receiver PV-H601B Low Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0294	1			Wet Air Receiver PV-H602A High Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0295	1		Pressure Switch	Wet Air Receiver PV-H602B Low Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0296	1	PS-H605A	Pressure Switch	Dry Air Receiver PV-H605A High Pressure						Mech. Contractor	Mech. Contractor			WH-P0008	WBA0463		WF-E0134

							IN	ISTRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUEACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTO	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	BY	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0297	1	PS-H605B	Pressure Switch	Dry Air Receiver PV-H605A Low Pressure						Mech. Contractor	Mech. Contractor			WH-P0008	WBA0463		WF-E0134
																	+
0298	1	PT-H701A	Pressure Indicator Transmitter	Potable Water to Clearwell Area Pressure			Loop Powered	0-500 Kpa	Gauge Valve	E&I Contractor	E&I Contractor		I111	WH-P0005	WB-A0465		WA-E0102
0299	1	PT-H704A	Pressure Indicator Transmitter	Potable Water to Water Treatment Plant Pressure			Loop Powered	0-500 Kpa	Gauge Valve	E&I Contractor	E&I Contractor		l111	WH-P0005	WB-A0465		WA-E0102
0300	1		Level Indicator Transmitter	Raw Water Pumping Station Level			120V	0-12 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WI-P0001	WB-A0455	WB-A0402	WI-E0132
0301	1	LE-I000A	Level Element	Raw Water Pumping Station Level					Flange	E&I Contractor	E&I Contractor		I120	WI-P0001	WB-A0455	WB-A0401	WI-E0132
0302	1	LE-I000B	Level Element	Raw Water Pumping Station Level					Flange	E&I Contractor	E&I Contractor		I120	WI-P0002	WB-A0455	WB-A0401	WI-E0132
0303	1	LT-1000B		Raw Water Pumping Station Level			120V	0-12 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WI-P0002	WB-A0455	WB-A0402	WI-E0132
0304	1	LS-I000A	Level Switch	Raw Water Pumping Station Low Low Level			120V	3 mtrs	Bracket	E&I Contractor	E&I Contractor	Measured from floor of well	I125	WI-P0001	WB-A0463	WB-A0406	WI-E0132
0305	1	LS-I000B	Level Switch	Raw Water Pumping Station Low Low Level			120V	3 mtrs	Bracket	E&I Contractor	E&I Contractor	Measured from floor of well	I125	WI-P0002	WB-A0463	WB-A0406	WI-E0132
0306	1	LS-1000C	Level Switch	Raw Water Pumping Station High High Level			120V	12.4 mtrs	Bracket	E&I Contractor	E&I Contractor	Measured from floor of well	l125	WI-P0001	WB-A0463	WB-A0406	WI-E0132
0307	1	LS-1000D	Level Switch	Raw Water Pumping Station High High Level			120V	12.4 mtrs	Bracket	E&I Contractor	E&I Contractor	Measured from floor of well	I125	WI-P0002	WB-A0463	WB-A0406	WI-E0132
												Refer to PID for full installation					
0308	3	PI-I001A	Pressure Indicator	Raw Water Pump P-I001A Outlet Pressure				0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor	requirements	I112	WI-P0001		WB-M0464	WI-M0201
												Refer to PID for full installation					
0309	3			Raw Water Pump P-I001A Outlet Pressure				0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor	requirements	I112	WI-P0001		WB-M0464	WI-M0201
0310	1	ST-I001A	Speed Indicator Transmitter	Raw Water Pump P-I001A Speed Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
0311	1	TE-I001A	Temperature Element	Raw Water Pump P-I001A Top Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0312	1	TE-I001B	Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132
0313	1	TE-I001C	Temperature Element	Raw Water Pump P-I001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0314	1	TE-I001D	Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0315	1	TE-I001E	Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0316	1	TE-I001F	· ·	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0317	1	TE-1001G	Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0318	1	TE-I001H	· ·	Raw Water Pump P-1001A Bottom Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0319	1	TE-I001I	Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003	WB-A0466		WI-E0132
0320	2	TT-I001I	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	Supply Contractor	Head mounted		WI-P0003			WI-E0132
0321	1	TE-I001J	Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003			WI-E0132
0322	2	TT-I001J	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	Supply Contractor	Head mounted		WI-P0003			WI-E0132
0323	1	V I -1001A	Vibration Indication Transmitter	Raw Water Pump P-1001A Vibration Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
		DI IOOOA		5 W. S. B.								Refer to PID for full installation		Boood			
0324	3	PI-1002A	Pressure Indicator	Raw Water Pump P-1002A Outlet Pressure				0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor	requirements	I112	WI-P0001		WB-M0464	WI-M0201
0005		DLIGGGD		D W   D D 10004 O H   D				0.0001/	D:			Refer to PID for full installation	1440	WII D0004		IND MOA/A	14/1 140004
0325	3			Raw Water Pump P-1002A Outlet Pressure			1201/	0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor	requirements	I112	WI-P0001		WB-M0464	WI-M0201
0326	1	ST-I002A	·	Raw Water Pump Pl002 Speed Monitor			120V		Motor	Supply Contractor	E&I Contractor	[5]	14.04	WI-P0003	14/2 404//		WI-E0132
0327	1	TE-I002A	· ·	Raw Water Pump P-1002A Top Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0328		TE-I002B	7	Raw Water Pump P-1002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0329	1	TE-I002C	7	Raw Water Pump P-1002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0330	1	TE-I002D	7	Raw Water Pump P-1002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0331	1	TE-I002E	Temperature Element	Raw Water Pump P-1002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0332		TE-I002F	Temperature Element	Raw Water Pump P-1002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0333		TE-1002G	· ·	Raw Water Pump P-1002A Winding Temperature	ļ		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0334	1	TE-I002H	· ·	Raw Water Pump P-1002A Bottom Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0335	1	TE-10021	· '	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003			WI-E0132
0336	2	TT-10021	· ·	VSD Temperature Monitor			120V		Mata	Supply Contractor	Supply Contractor	Head mounted		WI-P0003			WI-E0132
0337	1	TE-1002J	· ·	VSD Temperature Monitor	ļ		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003			WI-E0132
0338	2	TT-l002J	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	Supply Contractor	Head mounted		WI-P0003			WI-E0132
0339	1	VT-I002A	Vibration Indication Transmitter	Raw Water Pump P-1002A Vibration Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0003			WI-E0132

RECORD	REV.	TAG		DESCRIPTION			POWER	ISTRUMENT INDEX  CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
NO.	IVO.	IVAIVIL	INSTRUMENT TIFE	JERVICE			JUFFLI	KANGL		ы	ы		DATA SHEET	DRAWING	LOOF DIA.	DETAIL	DWG.
0340	3	PI-I003A	Pressure Indicator	Raw Water Pump P-I003A Outlet Pressure				0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WI-P0002		WB-M0464	WI-M0201
0340	J	111003/1	1 ressure mulcutor	Traw Water Fump F 1000/1 Outlet F1000ute				υ 200κρα	Прс	Ween. Contractor	Ween. Contractor	· .	1112	WI I 0002		VVD IVIOTOT	VVI IVIOZOT
0341	3	PI-I003B	Pressure Indicator	Raw Water Pump P-I003A Outlet Pressure				0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WI-P0002		WB-M0464	WI-M0201
0342	1		Speed Indicator Transmitter	Raw Water Pump P-1003A Speed Monitor			120V	О ОООКРИ	Motor	Supply Contractor	E&I Contractor	roquiromonis	1112	WI-P0004		WB WOTOT	WI-E0132
0343	1	TE-I003A	Temperature Element	Raw Water Pump P-1003A Top Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0004	WB-A0466		WI-E0132
0344	1	TE-I003B	Temperature Element	Raw Water Pump P-1003A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0345	1	TE-I003C	Temperature Element	Raw Water Pump P-1003A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0346	1	TE-I003D	Temperature Element	Raw Water Pump P-1003A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0004	WB-A0466		WI-E0132
0347	1	TE-I003E	Temperature Element	Raw Water Pump P-1003A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0348	1	TE-I003E	Temperature Element	Raw Water Pump P-1003A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor  Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0349	1	TE-10031	Temperature Element	Raw Water Pump P-1003A WindingTemperature			24VDC 24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132 WI-E0132
0350	1	TE-1003G	Temperature Element	Raw Water Pump P-1003A Bottom Bearing Temperature			24VDC 24VDC		Motor	Supply Contractor	Supply Contractor  Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132 WI-E0132
0330	1	TE-100311	Temperature Element	VSD Temperature Monitor			24VDC 24VDC		Motor			Fitted to VSD	1131	WI-P0004	VVD-70400		WI-E0132 WI-E0132
0351	2	TT-10031	Temperature Transmitter	VSD Temperature Monitor			120V		IVIOLOI	Supply Contractor Supply Contractor	Supply Contractor  E&I Contractor	Head mounted		WI-P0004			WI-E0132 WI-E0132
	1	TE-1003J	Temperature Element	VSD Temperature Monitor			24VDC		Motor			Fitted to VSD		WI-P0004			WI-E0132 WI-E0132
0353	2		•	·					IVIOIOI	Supply Contractor	Supply Contractor						WI-E0132 WI-E0132
0354	Z	TT-I003J	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	E&I Contractor	Head mounted		WI-P0004			WI-EU132
0355	1	VT-I003A	Vibration Indicator Transmittor	Raw Water Pump P-1003A Vibration Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0333		V 1-1003A	VIDIALIOTI ITUICALOI TTATISITILLEI	Itaw water Fullip F-1003A vibration intoffici			120 V		IVIOLOI	Supply Contractor	Lai Contractor	D ( ) DID ( ( )   )		WI-F 0004			WI-LUT32
0356	2	PI-1004A	Pressure Indicator	Raw Water Pump P-I004A Outlet Pressure				0-200Kpa	Dino	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WI-P0002		WB-M0464	WI-M0201
0330	J	F1-1004A	r ressure mulcator	INAW Water Fullip F-1004A Outlet Flessure				0-200Κρα	Pipe	Wech. Contractor	Ween. Contractor	<u>'</u>	1112	WI-F 0002		VVD-IVI0404	VVI-IVIOZO I
0357	2	PI-I004B	Pressure Indicator	Raw Water Pump P-I004A Outlet Pressure				0-300Kpa	Dino	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WI-P0002		WB-M0464	WI-M0201
0050	1		Speed Indicator Transmitter	Raw Water Pump P-1004A Speed Monitor			120V	0-300Kpa	Pipe Motor	Supply Contractor	E&I Contractor	requirements	1112	WI-P0002		VVD-IVI0404	WI-W0201
0358	1	TE-I004A	Temperature Element	Raw Water Pump P-1004A Top Bearing Temperature			24VDC		Motor			Fitted to pump Motor	l131	WI-P0004	WB-A0466		WI-E0132 WI-E0132
0359 0360	1	TE-1004A	Temperature Element	Raw Water Pump P-1004A Winding Temperature			24VDC 24VDC		Motor	Supply Contractor Supply Contractor	Supply Contractor Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132 WI-E0132
0361	1	TE-1004B	Temperature Element	Raw Water Pump P-1004A Winding Temperature			24VDC 24VDC		Motor	Supply Contractor	Supply Contractor  Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132 WI-E0132
	1	TE-1004C	Temperature Element	Raw Water Pump P-1004A Winding Temperature			24VDC 24VDC					Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132 WI-E0132
0362	1		Temperature Element	Raw Water Pump P-1004A Winding Temperature					Motor	Supply Contractor	Supply Contractor	, ,	1131	WI-P0004	WB-A0466		WI-E0132 WI-E0132
0363	1	TE-1004E	Temperature Element	Raw Water Pump P-1004A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor					
0364	1	TE-1004F	· ·	Raw Water Pump P-1004A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0365	1	TE-1004G	Temperature Element				24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0366	1	TE-1004H	Temperature Element	Raw Water Pump P-1004A Bottom Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0004	WB-A0466		WI-E0132
0367	1	TE-10041	Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0004			WI-E0132
0368	Z 1	TT-10041	Temperature Transmitter	VSD Temperature Monitor			120V		Matar	Supply Contractor	E&I Contractor	Head mounted		WI-P0004			WI-E0132
0369	1	TE-1004J	Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0004			WI-E0132
0370	2	TT-I004J	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	E&I Contractor	Head mounted		WI-P0004			WI-E0132
0371	j.	VT-I004A	Vibration Indicator Transmitter	Raw Water Pump P-1004A Vibration Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0371		V 1-1004A		Raw Water Fullip F-1004A Vibration Monitor			1201		IVIOLOI	Supply Contractor	EXICUITACIO			WI-P0004			WI-EUT32
0372	2	TT-I011A	Temperature Indicator Transmitter	Train 1 Raw Water Temperature				0-30 C	Head	E&I Contractor	E&I Contractor		l131	WP-P0001	WB-A0465		WA-E0102
	2	TE-I011A	Temperature Element	Train 1 Raw Water Temperature				0-30 C		E&I Contractor	E&I Contractor		I131	WP-P0001	WD-A0403	WB-A0408	WA-E0102 WA-E0102
0373		TE-IUTTA	•	Trail I Kaw Water Temperature					Thermowell	EXI CUIII actui	EXICUITIACIO		1131	WF-F0001		WD-A0406	WA-EUTUZ
0374	2	TT-I012A	Temperature Indicator Transmitter	Train 2 Raw Water Temperature				0-30 C	Head	E&I Contractor	E&I Contractor		l131	WP-P0001	WB-A0465		WA-E0102
0375	2		Temperature Element	Train 2 Raw Water Temperature				0-30 C	Thermowell	E&I Contractor	E&I Contractor		I131	WP-P0001	WD-70403	WB-A0408	WA-E0102 WA-E0102
5575	۷	I E-IU IZA	Tomporature Element	Train 2 Naw Water Temperature					HIGHHOWEII	Ear Contractor	zar contractor	Defeate DID for fall in the little	1101	VVI -1 UUU I		**D-M0400	VV/ (-LU IUZ
0376	3	PI-I013A	Pressure Indicator	Train 1 Flash Mixing Pump P-I013A Discharge Pressure Gauge					Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	I112	WP-P0001		WB-M0464	WP-M0208
5576	J	TINION	1 1000uro muicutul	0 1					i ipc	Wicon. Contractol	Wiceri. Contractor	<u>'</u>	1112	VVI 1 0001		VVD IVIOTOT	VVI 1VIUZUU
0377	3	PI-I014A	Pressure Indicator	Common Standby Ferric Chloride Dosing Flash Mixing Pump P-I014A Discharge Pressure Gauge					Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WP-P0001		WB-M0464	WP-M0208
5577	J	TIUITA	1 1000uro muicutul	Discharge i ressure duage					i ipc	Wicon. Contractol	Micch. Contractor	<u>'</u>	1112	VVI 1 0001		VVD IVIOTOT	VVI 1VIUZUU
0378	3	PI-I015A	Pressure Indicator	Train 2 Flash Mixing Pump P-I015A Discharge Pressure Gauge					Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	I112	WP-P0001		WB-M0464	WP-M0208
0379	2	FS-I017D	Flow Switch	Train 1 Ferric Chloride Dosing Flow Low					Pipe	E&I Contractor	E&I Contractor		1105	WP-P0001	WB-A0463		WA-E0102
***	2		Flow Switch	Train 2 Ferric Chlroride Dosing Flow Low						E&I Contractor	E&I Contractor		I105	WP-P0001	WB-A0463		WA-E0102 WA-E0102
0380	_	1 3-10 10D	1 IOW OWIGHT	Train 2 Torrio Orinonae Dosing Flow Low	I	1		1	Pipe	Lai Contractor	Edi Contractor	1	1100	VVI -1 0001	** P-V0403	Ī	VV/ (-LUIUZ

March   Marc	P-P0001 WB-A0463 WB-A0460 WB-A	WB-A0409 WA-E0102 WB-A0409 WA-E0102 WB-A0409 WA-E0102 WB-A0409 WA-E0102 WB-A0409 WA-E0102 WB-A0409 WA-E0102 WA-E0102 WA-E0102
No.	P-P0001 WB-A0463 P-P0001 WB-A0463 P-P0001 WB-A0463 P-P0001 WB-A0463 W P-P0001 WB-A0463 W P-P0001 P-P0001 P-P0001 WB-A0463 WB-A0463 P-P0001 WB-A0460	WA-E0102 WB-A0409 WB-A0409 WB-A0409 WB-A0409 WB-A0409 WB-A0409 WB-A0409 WA-E0102 WA-E0102 WA-E0102
1	P-P0001 WB-A0463  P-P0001 WB-A0463 WB-P0001 WB-A0463 WB-P0001  P-P0001 WB-A0463 WB-P0001 WB-A0463 WB-P0001 WB-A0460 WB-P0001 WB-P	WB-A0409 WA-E0102 WB-A0409 WA-E0102 WB-A0409 WP-M0214 WA-E0102 WA-E0102 WA-E0102
A File   A	P-P0001 WB-A0463 W P-P0001 WB-A0463 W P-P0001 P-P0001 P-P0001 P-P0001 WB-A0463 P-P0001 WB-A0460 WB-A04	WB-A0409 WA-E0102 WB-A0409 WA-E0102 WB-A0409 WP-M0214 WA-E0102 WA-E0102
1	P-P0001 WB-A0463 W P-P0001 WB-A0463 W P-P0001 P-P0001 WB-A0463 P-P0001 WB-A0460 WB-A	WB-A0409 WA-E0102  WB-A0409 WP-M0214  WA-E0102  WA-E0102
1   10.94   Semple Food National   Sem Walking   Semple From National   Sem Walking   Semple From National   Sem Walking   Sem	P-P0001 WB-A0463 W P-P0001 WB-A0463 W P-P0001 P-P0001 WB-A0463 P-P0001 WB-A0460 WB-A	WB-A0409 WA-E0102  WB-A0409 WP-M0214  WA-E0102  WA-E0102
1   F-10256   Surple Floor Indicator   Survivale Plant   Surviva	P-P0001 WB-A0463 W P-P0001 P-P0001 WB-A0463 WB-A0463 WB-A0463 WB-A0463 WB-A0463 WB-A0460 WB-A	WB-A0409 WP-M0214 WA-E0102 WA-E0102
1   Fl-1/24   Surpher Inventoration   Surpher Invent	P-P0001 WB-A0463 W P-P0001 P-P0001 P-P0001 P-P0001 WB-A0463 P-P0001 WB-A0460 W P-P0001 WB-A0460 W	WB-A0409 WP-M0214 WA-E0102 WA-E0102
1   1   1   1   1   1   1   1   1   1	P-P0001 WB-A0463 W P-P0001 P-P0001 P-P0001 P-P0001 WB-A0463 P-P0001 WB-A0460 W P-P0001 WB-A0460 W	WB-A0409 WP-M0214 WA-E0102 WA-E0102
1	P-P0001  P-P0001  P-P0001  WB-A0463  P-P0001  WB-A0460  WB-A0460  WB-A0460	WA-E0102 WA-E0102 WA-E0102
10	P-P0001 P-P0001 WB-A0463 P-P0001 WB-A0460 WB-P0001 WB-P0001 WB-P0001	WA-E0102
Part	P-P0001 WB-A0463 P-P0001 WB-A0460 WP-P0001 WB-A0460 WB-A0	WA-E0102
Part	P-P0001 WB-A0463 WB-A0460 WB-A0460 WP-P0001 WB-A0460 WP-P0001 WB-A0460 WP-P0001 WB-A0460 WB-A	
1   1   1   1   1   1   1   1   1   1	P-P0001 WB-A0463 WB-A0460 WB-A0460 WP-P0001 WB-A0460 WP-P0001 WB-A0460 WP-P0001 WB-A0460 WB-A	
1	P-P0001 WB-A0460 W P-P0001 W	
1	P-P0001 W	
Backboard   Back	P-P0001	WB-A0409 WP-M0111
0.93   0.   F10.026   Sample Flow Indicator   Trian 2 Post Flash Miker Raw Water pH Low Sample Flow		WB-A0409 WP-M0111
1		
2 AT-IO27B Turbidity Analyzer Transmitter Raw Water Turbidity  1 AE-IO27B Turbidity Analyzer Transmitter Raw Water Turbidity  1 AE-IO27B Turbidity Analyzer Transmitter Raw Water Turbidity  1 AE-IO27B Raw Water Turbidity  2 FE-IO27B Sample Flow Indicator Raw Water Turbidity Sample Flow  3398 2 FE-IO27B Flow Switch Raw Water Turbidity Low Sample Flow  3398 2 FE-IO27B Flow Switch Raw Water Turbidity Low Sample Flow  3399 2 FE-IO27B Flow Switch Raw Water Turbidity Low Sample Flow  3399 2 FE-IO27B Flow Element Re- circ pump P-J701A Outlet Flow  4000 2 FE-IO27B Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO27B Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-IO20A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-J701A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-J701A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-J701A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-J701A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow  4010 2 FE-J701A Fl		
2	P-P0001 WB-A0463	WP-M0111
1		
Backboard E&I Contractor E&I Contractor Switch WP-P 0398 2 FS-J0278 Flow Switch Raw Water Turbidity Low Sample Flow Backboard E&I Contractor E&I Contractor Switch WP-P 0399 2 FE-J701A Flow Element Re- circ pump P-J701A Outlet Flow P-J701A Outlet		WB-A0409 WP-M0111
10.0000	P-P0001 WB-A0460 W	WB-A0409 WP-M0111
2 FS-10278 Flow Switch Raw Water Turbidity Low Sample Flow 1105 WP-P 0399 2 FE-J701A Flow Element Re- circ pump P-J701A Outlet Flow 1100 WF-P 0400 2 FT-J701A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow 120V Wall/Stand E&I Contractor Mech. Contractor 100mm 1100 WF-P 0401 2 FE-J702A Flow Element Re- circ pump P-J702A Outlet Flow 120V Wall/Stand E&I Contractor Mech. Contractor 100mm 1100 WF-P 0402 2 FT-J702A Flow Indicator Transmitter Re- circ pump P-J702A Outlet Flow 120V Wall/Stand E&I Contractor Mech. Contractor 100mm 1100 WF-P 0403 0 LE-0010A Level Element Liquid Oxygen Storage Tank #1 Level WG-P 0404 0 LT-0010A Level Indicator Transmitter Liquid Oxygen Storage Tank #1 Level Low 120V TBC Wall/Stand Supply Contractor Supply Contractor Supply Contractor WG-P 0405 1 LS-0010A Level Switch Liquid Oxygen Storage Tank #1 Perssure Logo Powered TBC Supply Contractor Mech. Contractor 1111 WO-P 0408 3 P-0012A Pressure Indicator Transmitter Liquid Oxygen Storage Tank #1 Pressure Wich Liquid Oxygen Storage Tank #1 Pressure High 0408 3 Pi-0012A Pressure Indicator Liquid Oxygen Storage Tank #1 Pressure 1111 WO-P 0408 0408 0408 0408 0408 0408 0408 0408	D D0004	WD 40400
2   FE-J701A   Flow Element   Re-circ pump P-J701A Outlet Flow   120V   Wall/Stand   E&l Contractor   100mm   1100   WF-P		WB-A0409
2 FT-J701A Flow Indicator Transmitter Re- circ pump P-J701A Outlet Flow 120V Wall/Stand E&I Contractor E&I Contractor 100mm 1100 WF-P 0401 2 FE-J702A Flow Indicator Transmitter Re- circ pump P-J702A Outlet Flow 1100 WF-P 0402 2 FT-J702A Flow Indicator Transmitter Re- circ pump P-J702A Outlet Flow 120V Wall/Stand E&I Contractor Mech. Contractor E&I Contractor 100mm 1100 WF-P 0403 0 LE-0010A Level Element Liquid Oxygen Storage Tank #1 Level Wo-P 120V Wall/Stand E&I Contractor Supply Contractor Supply Contractor Supply Contractor Wo-P 0404 0 LT-0010A Level Indicator Transmitter Liquid Oxygen Storage Tank #1 Level Wo-P 120V TBC Supply Contractor Supply Contractor Supply Contractor Wo-P 0405 1 LS-0010A Level Switch Liquid Oxygen Storage Tank #1 Level Low 120V TBC Supply Contractor Supply Contractor Wo-P 0406 1 PT-0010A Pressure Indicator Transmitter Liquid Oxygen Storage Tank #1 Pressure Loop Powered TBC Supply Contractor Mech. Contractor I111 WO-P 0408 3 PI-0010A Pressure Switch Liquid Oxygen Storage Tank #1 Pressure High Supply Contractor Mech. Contractor I115 WO-P 0408 3 PI-0010A Pressure Indicator Liquid Oxygen Storage Tank #1 Pressure High Supply Contractor Mech. Contractor I112 WO-P 0408 3 PI-0010A Pressure Indicator Liquid Oxygen Storage Tank Wo-P 0408 I112 WO-P 0408 3 PI-0010A Pressure Indicator Liquid Oxygen Storage Tank Wo-P 0408 I112 WO-P 0408 1 Pressure Indicator Liquid Oxygen Storage Tank Wo-P 0408 I112 WO-P 0408 1 Pressure Indicator Liquid Oxygen Storage Tank Wo-P 0408 I112 WO-P 0408 1 Pressure Indicator Liquid Oxygen Storage Tank Wo-P 0408 I112		WB-A0409 WP-M0214
Provided to the province of th		WB-A0453 WF-E0103
Provided		WB-A0402 WF-E0103
O LE-O010A Level Element Liquid Oxygen Storage Tank #1 Level		WB-A0453 WF-E0103
O LT-O010A Level Indicator Transmitter Liquid Oxygen Storage Tank #1 Level  TBC Wall/ Stand Supply Contractor Supply Contractor Supply Contractor Supply Contractor WO-P  TBC Supply Contractor Supply Contractor Supply Contractor Supply Contractor Supply Contractor WO-P  TBC Supply Contractor Supply Contractor Supply Contractor Supply Contractor Supply Contractor WO-P  TBC Supply Contractor Mech. Contractor Supply Contractor Supply Contractor Supply Contractor Supply Contractor Supply Contractor Mech. Contractor Supply Contractor Mech. Contractor Supply Contractor Mech. Contractor Supply Contractor Supply Contractor Mech. Contractor Supply Contractor Supply Contractor Mech. Contractor Supply Contractor Supply Contractor Mech. Contractor Supply Con	F-P0014 WB-A0453 W	WB-A0402 WF-E0103
1 LS-0010A Level Switch Liquid Oxygen Storage Tank #1 Level Low 120V TBC Supply Contractor Supply Contractor Supply Contractor Supply Contractor Wech. Contractor 1111 WO-P O406 1 PS-0010A Pressure Indicator Transmitter Liquid Oxygen Storage Tank #1 Pressure High Supply Contractor Mech. Contractor 1115 WO-P O408 3 PI-O012A Pressure Indicator Liquid Oxygen Storage Tank Outlet Pressure Wo-P O408 1 Supply Contractor Mech. Contractor 1112 WO-P O408 1 Supply Contractor Mech. Contractor 1	D-P0001	TBC
1 PT-0010A Pressure Indicator Transmitter Liquid Oxygen Storage Tank #1 Pressure Loop Powered TBC Supply Contractor Mech. Contractor Wech. Contractor I111 WO-P Oxygen Storage Tank #1 Pressure High Supply Contractor Mech. Contractor I115 WO-P Oxygen Storage Tank #1 Pressure Fank Oxygen Storage Tank #1 Pressure Fank Oxygen Storage Tank #1 Pressure High Supply Contractor Mech. Contractor I112 WO-P Oxygen Storage Tank Oxygen S	D-P0001 WB-A0465	TBC
1 PS-0010A Pressure Switch Liquid Oxygen Storage Tank #1 Pressure High Supply Contractor Mech. Contractor Mech. Contractor Supply Contractor Mech. Contractor M	D-P0001	TBC
1 PS-0010A Pressure Switch Liquid Oxygen Storage Tank #1 Pressure High Supply Contractor Mech. Contractor Mech. Contractor Supply Contractor Mech. Contractor M		
3 PI-O012A Pressure Indicator Liquid Oxygen Storage Tank Outlet Presuure Supply Contractor Mech. Contractor I112 WO-P	D-P0001 WB-A0465	TBC
	D-P0001	TBC
0409 1 TE-0012A Temperature Element Liquid Oxygen Tank Oxygen Temperature Supply Contractor Mech. Contractor I131 WO-P	D-P0001 W	WB-M0464 TBC
	D-P0001	TBC
Temperature Indicator		-
0410 1 TT-0012A Transmitter Liquid Oxygen Tank Oxygen Temperature Supply Contractor Mech. Contractor Mech. Contractor 1131 WO-P	D-P0001 WB-A0465	TBC
0411 1 PT-0015A Pressure Indicator Transmitter Liquid Oxygen Storage Tank Outlet Pressure Liquid Oxygen Storage Tank Outlet Pressure In Loop Powered TBC Supply Contractor Mech. Contractor In Loop Powered TBC Supply Contrac	D-P0001 WB-A0465	TBC
0 LE-0020A Level Element Liquid Oxygen Storage Tank #2 Level WO-P	D-P0002	TBC
0413 O LT-0020A Level Indicator Transmitter Liquid Oxygen Storage Tank #2 Level Wo-P	D-P0002 WB-A0465	TBC
0414 1 LS-0020A Level Switch Liquid Oxygen Storage Tank #2 Level Low 120V TBC Supply Contractor Supply Contractor Supply Contractor WO-P	D-P0002	TBC
0415 1 PT-0020A Pressure Indicator Transmitter Liquid Oxygen Storage Tank #2 Pressure Liquid Oxy	D-P0002 WB-A0465	TBC
0416 2 PS-0020A Pressure Switch Liquid Oxygen Storage Tank #2 Pressure High Supply Contractor Mech. Contractor I115 WO-P	D-P0002	TBC
9417 2 PT-0030A Pressure Indicator Transmitter Liquid Oxygen Particle Filter GF0030A Differential Pressure Liquid Oxygen Parti	D-P0003 WB-A0465 W	WB-A0404 WO-E0132
0418 2 PT-0031A Pressure Indicator Transmitter Liquid Oxygen Particle Filter GF0031A Differential Pressure Loop Powered 13 Kpa Manifold Supply Contractor E&I Contractor II11 WO-P		WB-A0404 WO-E0132
0419 2 AE-O032A Analyser Element Liquid Oxygen to Ozone Generators Dewpoint Analyzer	D-P0003 WB-A0465 W	WO-E0132

							IN	STRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	WANDIACIONEN	WIODEL	SUPPLY	RANGE	MOONTING	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0420	1	AT-0032A	Dew Point Analyzer	Liquid Oxygen to Ozone Generators Dewpoint Analyzer						Supply Contractor	E&I Contractor			WO-P0003	WB-A0465		WO-E0132
0421	3	PI-0032A	Pressure Indicator	Liquid Oxygen to Ozone Generators Pressure Indicator						Supply Contractor	Mech. Contractor		I112	WO-P0003		WB-M0464	+
0422	3	PI-0050A	Pressure Indicator	Nitrogen Boost Air Receiver Pressure					Skid	Supply Contractor	Mech. Contractor		l112	WO-P0004		WB-M0464	+
0423	2	PS-0050A	Pressure Switch	Nitrogen Boost Air Receiver Pressure Switch High					Skid	Supply Contractor	Mech. Contractor		I115	WO-P0004			WC-E0131
0424	1	AE-0051A	Analyser Element	Nitrogen Boost Unit to Ozone Generator Dewpoint						Supply Contractor	E&I Contractor			WO-P0004			WC-E0131
0425	1		Dew Point Analyzer	Nitrogen Boost Unit to Ozone Generator Dewpoint						Supply Contractor	E&I Contractor			WO-P0004	WB-A0465		WC-E0131
0426	1	FI-0051A	Flow Indicator	Nitrogen Boost Unit to Ozone Generators Flow						Supply Contractor	Mech. Contractor			WO-P0004			WC-E0131
0427	1		Flow Switch	Nitrogen Boost Unit to Ozone Generators Low Flow						Supply Contractor	Mech. Contractor	Part of flow indicator		WO-P0004			WC-E0131
0428	3	PI-0051A	Pressure Indicator	Nitrogen Boost Unit to Ozone Generators Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0004		WB-M0464	WO-M0401
0429	1	AE-O110A	Gas Sensor	Ambient Ozone Gas						Supply Contractor	E&I Contractor		+	WO-P0005			WO-E0132
0.127		712 0 1 1 0 1 1		- Initialistic decorate decora						очры оставия	Zur Germadier						110 20102
0430	1	AT-O110A	Gas Level Indicator Transmitter	Ambient Ozone Gas Level						Supply Contractor	E&I Contractor			WO-P0005	WB-A0465		WO-E0132
0431	1	AE-O110B	Gas Sensor	Ambient Oxygen Gas						Supply Contractor	E&I Contractor			WO-P0005			WO-E0132
				,,						113							+
0432	1	AT-O110B	Gas Level Indicator Transmitter	Ambient Oxygen Gas Level						Supply Contractor	E&I Contractor			WO-P0005	WB-A0465		WO-E0132
0433	2	PT-O110A	Pressure Indicator Transmitter	Liquid Oxygen to Ozone Generator GEN-O110A Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		l111	WO-P0005	WB-A0465	WB-A0404	WO-E0132
0434	2		Temperature Element	Liquid Oxygen to Ozone Generator GEN-0110A Temperature			200p 1 011010u	0 200 1.pa	Jaags valle	Supply Contractor	E&I Contractor		I131	WO-P0005	115 710 100	112710101	WO-E0132
0101		12 0110/1	Temperature Indicator	Enquire oxygen to ozonio contorator ozon o more remperature						очры осничены	Edi Contidetoi		1101	WO 1 0000			100 20102
0435	2	TT-O110A		Liquid Oxygen to Ozone Generator GEN-O110A Temperature						Supply Contractor	E&I Contractor		I131	WO-P0005	WB-A0465		WO-E0132
0436	1	LS-0110A	Level Switch	Ozone Generator GEN-O110A Inlet Side High Level Switch			120V		Skid	Supply Contractor	Supply Contractor			WO-P0005			WO-E0132
0437	1	LS-0110B	Level Switch	Ozone Generator GEN-O110A Outlet Side High Level Switch			120V		Skid	Supply Contractor	Supply Contractor			WO-P0005			WO-E0132
				Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-						11.3	1117						
0438	2	PT-O411A		0410 Inlet Pressure			Loop Powered	0-400 Kpa	Skid/Manifold	Supply Contractor	Supply Contractor		l111	WO-P0016	WB-A0465		WO-E0132
0439	1	AE-O112A	Analyser Element	Ozone Generator GEN-O110A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0005			WO-E0132
																	+
0440	1	AT-O112A	Analyser Indicator Transmitter	Ozone Generator GEN-O110A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0005	WB-A0465		WO-E0132
0441	1	FE-0112A	Flow Element	Ozone Generator GEN-O110A Flow					Spool piece	Supply Contractor	Mech. Contractor	50 mm	I101	WO-P0005			WO-E0132
0442	1	FT-0112A	Flow Indicator Transmitter	Ozone Generator GEN-O110A Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		I101	WO-P0005	WB-A0454		WO-E0132
0443	2	PT-O112A	Pressure Indicator Transmitter	Ozone Generator GEN-O110A Outlet Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		I111	WO-P0005	WB-A0465	WB-A0404	WO-E0132
0444	2	TE-O112A	Temperature Element	Ozone Generator GEN-O110A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0005			WO-E0132
			Temperature Indicator														
0445		TT-O112A		Ozone Generator GEN-0110A Outlet Temperature						,	E&I Contractor		I131	WO-P0005	WB-A0465		WO-E0132
0446	1	AE-O130A	Gas Sensor	Ambient Ozone Gas						Supply Contractor	E&I Contractor			WO-P0006			WO-E0132
0447	1	AT-0130A	Gas Level Indicator Transmitter	Amhient Ozone Gas Level						Supply Contractor	E&I Contractor			WO-P0006	WB-A0465		WO-E0132
0448	1			Ambient Oxygen Gas						Supply Contractor	E&I Contractor			WO-P0006	110 100		WO-E0132
0110		712 0 1000	003 001301	Tanbon Oxygon Gus						очры осничены	Edi Contidetoi			WO 1 0000			100 20102
0449	1	AT-O130B	Gas Level Indicator Transmitter	Ambient Oxygen Gas Level						Supply Contractor	E&I Contractor			WO-P0006	WB-A0465		WO-E0132
0450	2	PT-O130A	Pressure Indicator Transmitter	Liquid Oxygen to Ozone Generator GEN-O130A Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		l111	WO-P0006	WB-A0465	WB-A0404	WO-E0132
0451	2			Liquid Oxygen to Ozone Generator GEN-0130A Temperature			- P		J	Supply Contractor	E&I Contractor		I131	WO-P0006			WO-E0132
0452	2		·	Liquid Oxygen to Ozone Generator GEN-O130A Temperature						Supply Contractor	E&I Contractor		I131	WO-P0006	WB-A0465		WO-E0132
0453	1		Level Switch	Ozone Generator GEN-0130A Inlet Side High Level Switch			120V		Skid	Supply Contractor	Supply Contractor			WO-P0006			WO-E0132
0454	1		Level Switch	Ozone Generator GEN-0130A Outlet Side High Level Switch		1	120V			Supply Contractor	Supply Contractor	+		WO-P0006			WO-E0132
				Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-			***										
0455	2	PT-0421A	Pressure Indicator Transmitter	0420A Inlet Pressure			Loop Powered	0-400 Kpa	Skid/Manifold	Supply Contractor	Supply Contractor		l111	WO-P0017	WB-A0465		WO-E0132
0456	2	AE-O132A	Analyser Element	Ozone Generator GEN-O130A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0006			WO-E0132
										<u> </u>	†						
0457	2	AT-O132A	Analyser Indicator Transmitter	Ozone Generator GEN-O130A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0006	WB-A0465		WO-E0132

							IN	STRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	WANDI ACTORER	WIODEL	SUPPLY	RANGE	WOONTING	BY	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0458	1	FE-O132A	Flow Element	Ozone Generator GEN-O130A Flow					Spool piece	Supply Contractor	Mech. Contractor	50 mm	I101	WO-P0006			WO-E0132
0459	2	FT-O132A	Flow Indicator Transmitter	Ozone Generator GEN-O130A Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		l101	WO-P0006	WB-A0454		WO-E0132
0460	2	PT-O132A	Pressure Indicator Transmitter	Ozone Generator GEN-O130A Outlet Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		l111	WO-P0006	WB-A0465	WB-A0404	WO-E0132
0461	2	TE-O132A	Temperature Element	Ozone Generator GEN-O130A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0006			WO-E0132
			Temperature Indicator														
0462	2	TT-O132A	Transmitter	Ozone Generator GEN-O130A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0006	WB-A0465		WO-E0132
0463	1	AE-O150A	Gas Sensor	Ambient Ozone Gas						Supply Contractor	E&I Contractor			WO-P0007			WO-E0132
0464	1	AT-O150A	Gas Level Indicator Transmitter	Ambient Ozone Gas Level						Supply Contractor	E&I Contractor			WO-P0007	WB-A0465		WO-E0132
0465	2	PT-O150A	Pressure Indicator Transmitter	Liquid Oxygen to Ozone Generator GEN-O150A Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		l111	WO-P0007	WB-A0465	WB-A0404	WO-M0204
0466	2	TE-O150A	Temperature Element	Liquid Oxygen to Ozone Generator GEN-O150A Temperature						Supply Contractor	E&I Contractor		I131	WO-P0007			WO-M0204
0467	2	TT-O150A	Temperature Transmitter	Liquid Oxygen to Ozone Generator GEN-O150A Temperature						Supply Contractor	E&I Contractor		I131	WO-P0007	WB-A0465		WO-M0204
0468	1	LS-0150A	Level Switch	Ozone Generator GEN-O150A Inlet Side High Level Switch			120V		Skid	Supply Contractor	Supply Contractor			WO-P0007			WO-E0132
0469	1	LS-0150B	Level Switch	Ozone Generator GEN-O150A Outlet Side High Level Switch			120V		Skid	Supply Contractor	Supply Contractor			WO-P0007			WO-E0132
				Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-							1						+
0470	2	PT-O431A	Pressure Indicator Transmitter	0430A Inlet Pressure			Loop Powered	0-400 Kpa	Skid/Manifold	Supply Contractor	Supply Contractor		I111	WO-P0018	WB-A0465		WO-E0132
0471	2	AE-O152A	Analyser Element	Ozone Generator GEN-O150A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0007			WO-E0132
0472	1	AT-O152A	Analyser Indicator Transmitter	Ozone Generator GEN-O150A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0007	WB-A0465		WO-E0132
0473	1	FE-O152A	Flow Element	Ozone Generator GEN-O150A Flow					Spool piece	Supply Contractor	Mech. Contractor	50 mm	I101	WO-P0007			WO-E0132
0474	1	FT-0152A	Flow Indicator Transmitter	Ozone Generator GEN-O150A Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		I101	WO-P0007	WB-A0454		WO-E0132
											1						+
0475	2	PT-O152A	Pressure Indicator Transmitter	Ozone Generator GEN-O150A Outlet Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		I111	WO-P0007	WB-A0465	WB-A0404	WO-E0132
0476	2	TE-0152A	Temperature Element	Ozone Generator GEN-0150A Outlet Temperature						Supply Contractor	E&I Contractor		l131	WO-P0007			WO-E0132
0477	2	TT 0152A	Temperature Indicator	Ozono Conorator CEN O150A Outlet Temporature						Supply Contractor	E 9 I Contractor		1121	WO D0007	WD 4044E		WO F0122
0477	2	TT-0152A		Ozone Generator GEN-0150A Outlet Temperature					Caralaire	Supply Contractor	E&I Contractor	20	l131	WO-P0007	WB-A0465		WO-E0132
0478	1			Ozone Injection Line to Ozone Contactor #1 Flow			1201/		Spool piece	Supply Contractor	Mech. Contractor	38 mm	1101	WO-P0008	WD ADAEA		WO-E0132
0479	1		Flow Indicator Transmitter Flow Element	Ozone Injection Line to Ozone Contactor #1 Flow Ozone Injection Line to Ozone Contactor #1 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor	20	1101	WO-P0008 WO-P0008	WB-A0454		WO-E0132 WO-E0132
0480	1			•			1201/		Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101 I101		WB-A0454		
0401	1	FT-0217A	Flow Indicator Transmitter Flow Element	Ozone Injection Line to Ozone Contactor #1 Flow Ozone Injection Line to Ozone Contactor #1 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor	20 mm		WO-P0008 WO-P0008	WD-AU404		WO-E0132 WO-E0132
0482			Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #1 Flow Ozone Injection Line to Ozone Contactor #1 Flow			1201/			Supply Contractor	Mech. Contractor	38 mm	1101		WB-A0454		WO-E0132 WO-E0132
0483	'	F1-UZ10A	Flow indicator transmitter	Ozone injection line to Ozone Contactor #1 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		l101	WO-P0008	WD-AU404		WO-E0132
0484	1	AE-0221A	Analyser Element	Sample Element SE-0210A Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0485	1	AT-0221A	Analyser Indicator Transmitter	Sample Element SE-0210A Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022	WB-A0465		WR-E0122
0486	1	FI-0221A	Flow Indicator	Sample Element SE-0210A Dissolved Ozone Sample Flow					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0487	1	FS-0221A	Flow Switch	Sample Element SE-0210A Dissolved Ozone Sample Low Flow					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0488	1	AE-0226A	Analyser Element	Sample Element SE-0210B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0489	1	AT-O226A	Analyser Indicator Transmitter	Sample Element SE-0210B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022	WB-A0465		WR-E0122
0490	1	FI-0226A	Flow Indicator	Sample Element SE-0210B Dissolved Ozone Sample Flow					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0491	1	FS-0226A	Flow Switch	Sample Element SE-0210B Dissolved Ozone Sample Low Flow					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0492	1	FE-0236A	Flow Element	Ozone Injection Line to Ozone Contactor #2 Flow		<del>                                     </del>			Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0009			WO-E0132
0493	1	FT-0236A	Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #2 Flow		<del>                                     </del>	120V		Wall/Stand	Supply Contractor	E&I Contractor		I101	WO-P0009	WB-A0454		WO-E0132
0494	1	FE-0237A	Flow Element	Ozone Injection Line to Ozone Contactor #2 Flow		<u> </u>			Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0009			WO-E0132

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
			INCTOLIMENT TVDE		MANUFACTURER	MODEL			MOUNTING			COMMENTS					
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE	Mall/Ctond	BY Cumply Contractor	BY End Contractor		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0495	1	FT-0237A	Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #2 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor	100	I101	WO-P0009	WB-A0454		WO-E0132
0496	1		Flow Element	Ozone Injection Line to Ozone Contactor #2 Flow			4001/		Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0009	WD 40454		WO-E0132
0497	1	F1-O238A	Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #2 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		l101	WO-P0009	WB-A0454		WO-E0132
0498	1	AE-O241A	Analyser Element	Sample Element SE-0230A Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
0499	1	AT-O241A	Analyser Indicator Transmitter	Sample Element SE-0230A Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0023	WB-A0465		WC-E0112
0500	1	FI-0241A	Flow Indicator	Sample Element SE-0230A Dissolved Ozone Sample Flow					Panel	Supply Contractor	E&I Contractor		+	WO-P0023			WC-E0112
0501	1	FS-0241A	Flow Switch	Sample Element SE-0230A Dissolved Ozone Sample Low Flow					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
0502	1	AE-O246A	Analyser Element	Sample Element SE-0230B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
0503	1	ΔΤ-Ω246Δ	Analyser Indicator Transmitter	Sample Element SE-0230B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0023	WB-A0465		WC-E0112
0504	1		Flow Indicator	Sample Element SE-0230B Dissolved Ozone Sample Flow					Panel	Supply Contractor	E&I Contractor			WO-P0023	WD-A0403		WC-E0112
0304		11-0240A	i low indicator	Sample Element SE-0230B Bissolved Ozone Sample Flow					ranci	Зарргу Соппастог	Lai contractor			WO-1 0023			WC-LOTTZ
0505	1	FS-O246A	Flow Switch	Sample Element SE-0230B Dissolved Ozone Sample Low Flow					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
0506	1	FI-O310A	Flow Indicator	Open Loop Cooling Water to Power Supply Unit PSU-O310A Flow					Skid	Supply Contractor	Supply Contractor			WO-P0019			WO-M0205
0507	1	TS-0310A	Temperature Switch	Electrolyser Power Supply Unit PSU-O310A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0019			WO-E0132
0508	1	ZS-O310A	Position Switch	Electrolyser Power Supply Unit PSU-O310A Door Switch					Skid	Supply Contractor	Supply Contractor			WO-P0019			WO-E0132
0509	1	FI-O320A	Flow Indicator	Open Loop Cooling Water to Power Supply Unit PSU-O320A Flow					Skid	Supply Contractor	Supply Contractor			WO-P0020			WO-M0205
0510	1	TS-0320A	Temperature Switch	Electrolyser Power Supply Unit PSU-0320A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0020			WO-E0132
0511	1		Position Switch	Electrolyser Power Supply Unit PSU-O320A Door Switch					Skid	Supply Contractor	Supply Contractor			WO-P0020			WO-E0132
0512	1		Flow Indicator	Open Loop Cooling Water to Power Supply Unit PSU-O330A Flow					Skid	Supply Contractor	Supply Contractor			WO-P0021			WO-M0205
0513	1	TS-O330A	Temperature Switch	Electrolyser Power Supply Unit PSU-0330A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0021			WO-E0132
0514	1		Position Switch	Electrolyser Power Supply Unit PSU-O330A Door Switch					Skid	Supply Contractor	Supply Contractor			WO-P0021			WO-E0132
0515	3	AE-O404A	Analyser Element	Open Loop Cooling Water Turbidity					Panel	E&I Contractor	E&I Contractor		1162	WO-P0015			WO-E0132
0516	3	ΔT-ΩΛΩΛΔ	Analyzer Indicator Transmitter	Open Loop Cooling Water Turbidity					Panel	E&I Contractor	E&I Contractor		l162	WO-P0015	WB-A0465		WO-E0132
0517	1		Variable Area Flowmeter	Open Loop Cooling Water to Turbidity Analyzer Flow					Panel	E&I Contractor	E&I Contractor		1102	WO-P0015	VVD 710 100		WO-E0132
0518	1		Flow Switch	Open Loop Cooling Water to Turbidity Analyzer Low Flow					Panel	E&I Contractor	E&I Contractor			WO-P0015			WO-E0132
)519	· 1		Flow Element	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Flow						Supply Contractor	Supply Contractor	75 mm	1100	WO-P0016	WB-A0453	WB-A0453	WO-E0132
									Skid			75 11111				WD-A0433	
)520	2	FT-O410A	Flow Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Flow			120V		Skid	Supply Contractor	Supply Contractor		l100	WO-P0016	WB-A0465		WO-E0132
)521	3	PI-O410A	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Pressure  Open Loop Cooling Water to Heat Exchanger HEX-O410A Outlet					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016		WB-M0464	
0522	3	PI-O410B	Pressure Indicator	Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016		WB-M0464	
0523	2	TE-O410A	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016			WO-E0132
0524	2	TT-O410A	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016	WB-A0465		WO-E0132
0525	2	TE-O410B	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O410A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016			WO-E0132

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	ВУ	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0526	2	TT-O410B	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O410A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016	WB-A0465		WO-E0132
0527	2		Conductivity Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410A Pump Outlet Conductivity					Skid	Supply Contractor	Supply Contractor			WO-P0016			WO-E0132
0528	2	CT-O411A	Conductivity Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410A Pump Outlet Conductivity					Skid	Supply Contractor	Supply Contractor			WO-P0016	WB-A0465		WO-E0132
0529	2	FE-O411A	Flow Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Inlet Flow					Skid	Supply Contractor	Supply Contractor	75 mm Rotary Flowmeter		WO-P0016			WO-E0132
0530	1	FT-0411A	Flow Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Inlet Flow			120V		Skid	Supply Contractor	Supply Contractor			WO-P0016	WB-A0465		WO-E0132
0531	3	PI-0411A	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410A Pump Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016		WB-M0464	
0532	3	PI-0411B	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016		WB-M0464	
0533	2	SOL-O411A	Solenoid Actuator	Ozone Generator Closed Loop Cooling Water De-Ionized Water to Heat Exchanger HEX-0410A					Skid	Supply Contractor	Supply Contractor			WO-P0016			WO-E0132
0534	2	TE-O411A	Temperature Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016			WO-E0132
0535	2	TT-O411A	Temperature Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016	WB-A0465		WO-E0132
0536	2	TE-O411B	Temperature Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016			WO-E0132
0537	2	TT-O411B	Temperature Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016	WB-A0465		WO-E0132
0538	3	PI-0411C	Pressure Indicator	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0410A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016		WB-M0464	
0539	2	FE-O420A	Flow Element	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Flow					Skid	Supply Contractor	Supply Contractor	75 mm	1100	WO-P0017	WB-A0453	WB-A0453	WO-E0132
0540	2	FT-O420A	Flow Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Flow			120V		Skid	Supply Contractor	Supply Contractor		1100	WO-P0017	WB-A0465		WO-E0132
0541	3	PI-O420A	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0017		WB-M0464	
0542	3	PI-O420B	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O420A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0017		WB-M0464	
0543	2	TE-O420A	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0017			WO-E0132
0544	2	TT-O420A	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0017	WB-A0465		WO-E0132
0545	2	TE-O420B	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O420A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0017			WO-E0132
0546	2	TT-O420C	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O420A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		1131	WO-P0017	WB-A0465		WO-E0132
0547	2	CE-O421A	Conductivity Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Pump Outlet Conductivity					Skid	Supply Contractor	Supply Contractor			WO-P0017			WO-E0132
0548	2	CT-O421A	Conductivity Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Pump Outlet Conductivity					Skid	Supply Contractor	Supply Contractor			WO-P0017	WB-A0465		WO-E0132
0549	2	FE-O421A	Flow Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Inlet Flow					Skid	Supply Contractor	Supply Contractor	75 mm Rotary Flowmeter		WO-P0017			WO-E0132
0550	2	FT-O421A	Flow Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Inlet Flow			120V		Skid	Supply Contractor	Supply Contractor			WO-P0017	WB-A0465		WO-E0132
0551	3	PI-0421A	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Pump Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0017		WB-M0464	

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
			INCTOLIMENT TVDE		MANUFACTURER	MODEL			MOUNTING			COMMENTS					
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		BY	ВУ		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0552	3	PI-0421B	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0017		WB-M0464	
0553	2	SOL-0421A	Solenoid Actuator	Ozone Generator Closed Loop Cooling Water De-Ionized Water to Heat Exchanger HEX-0420A					Skid	Supply Contractor	Supply Contractor			WO-P0017			WO-E0132
0554	2	TE-O421A	Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0420A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0017			WO-E0132
0555	2	TT-0421A	Temperature Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0420A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0017	WB-A0465		WO-E0132
0556	2	TE-O421B	Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0420A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0017			WO-E0132
)557	2	TT-O421B	Temperature indicator Transmitter	Ozone Generator Closed Looop Cooling water to Heat Exchanger HEA- 0420A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0017	WB-A0465		WO-E0132
)558	3	PI-0421C	Pressure Indicator	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0420A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		I112	WO-P0017		WB-M0464	
)559	2	FE-O430A	Flow Element	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Flow					Skid	Supply Contractor	Supply Contractor	75 mm	I100	WO-P0018	WB-A0453	WB-A0453	WO-E0132
0560	2	FT-O430A	Flow Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Flow			120V		Skid	Supply Contractor	Supply Contractor		I100	WO-P0018	WB-A0465		WO-E0132
0561	3	PI-O430A	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018		WB-M0464	
0562	3	PI-O430B	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O430A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018		WB-M0464	
0563	2	TE-O430A	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018			WO-E0132
0564	2	TT-O430A	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018	WB-A0465		WO-E0132
0565	2	TE-O430B	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O430A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018			WO-E0132
0566	2	TT-O430B	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O430A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018	WB-A0465		WO-E0132
0567	2	CE-O431A	Conductivity Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Pump Outlet Conductivity					Skid	Supply Contractor	Supply Contractor			WO-P0018			WO-E0132
)568	2	CT-O431A	Conductivity Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Pump Outlet Conductivity					Skid	Supply Contractor	Supply Contractor			WO-P0018	WB-A0465		WO-E0132
0569	2	FE-O431A	Flow Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Inlet Flow					Skid	Supply Contractor	Supply Contractor	75 mm Rotary Flowmeter		WO-P0018			WO-E0132
0570	2	FT-O431A	Flow Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Inlet Flow			120V		Skid	Supply Contractor	Supply Contractor			WO-P0018	WB-A0465		WO-E0132
0571	3	PI-O431A	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Pump Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018		WB-M0464	
0572	3	PI-O431B	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018		WB-M0464	
)573	2	SOL-O431A	Solenoid Actuator	Ozone Generator Closed Loop Cooling Water De-Ionized Water to Heat Exchanger HEX-0430A					Skid	Supply Contractor	Supply Contractor			WO-P0018			WO-E0132
0574	2	TE-O431A	Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018			WO-E0132
)575	2	TT-O431A	Temperature Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018	WB-A0465		WO-E0132
)576	2	TE-O431B	Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018			WO-E0132
0577	2	TT-O431B	Temperature Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018	WB-A0465		WO-E0132
0578	3		Pressure Indicator	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0420A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018		WB-M0464	
0579	2	PT-O501A	Pressure Indicator Transmitter	Ozone Contactor #1 to Ozone Destruct Units Pressure			Loop Powered	-7.5 Kpa to 7.5 Kpa	Manifold	Supply Contractor	E&I Contractor		l111	WO-P0012	WB-A0465		WO-E0132

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	ВУ	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
				Ozone Contactor #1 to Ozone Destruct Units Demister Differential													
0580	2	PT-O501B	Pressure Indicator Transmitter	Pressure			Loop Powered	0-1.25 Kpa	Manifold	Supply Contractor	E&I Contractor		l111	WO-P0012	WB-A0465		WO-E0132
0581	2	AE-O505A	Gas Sensor	Ozone Contactor #2 to Ozone Destruct Analyzer						Supply Contractor	E&I Contractor			WO-P0014			WO-E0132
0500			Gas Analyzer Indicator								5.1.0			Dans	WD 40445		F0400
0582	1	AT-O505A	Transmitter	Ozone Contactor #2 to Ozone Destruct Analyzer						Supply Contractor	E&I Contractor			WO-P0014	WB-A0465		WO-E0132
0583	2	PT-O505A	Pressure Indicator Transmitter	Ozone Contactor #2 to Ozone Destruct Units Pressure			Loop Powered	-7.5 Kpa to 7.5 Kpa	Manifold	Supply Contractor	E&I Contractor		l111	WO-P0014	WB-A0465		WO-E0132
				Ozone Contactor #2 to Ozone Destruct Units Demister Differential													
0584	2	PT-O505B	Pressure Indicator Transmitter	Pressure			Loop Powered	0-10 Kpa	Manifold	Supply Contractor	E&I Contractor		I111	WO-P0014	WB-A0465		WO-E0132
0585	2	AE-O501A	Gas Sensor	Ozone Contactor #1 to Ozone Destruct Analyzer						Supply Contractor	E&I Contractor			WO-P0012			WO-E0132
			Gas Analyzer Indicator														
0586	1	AT-O501A		Ozone Contactor #1 to Ozone Destruct Analyzer						Supply Contractor	E&I Contractor			WO-P0012	WB-A0465		WO-E0132
0587	2	AE-O510A	Analyser Element	Ozone Destruct Unit #1 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WO-P0012			WO-E0132
0588	2	AT-O510A	Ozone Gas Analyzer Indicator	Ozone Destruct Unit #1 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WO-P0012	WB-A0465		WO-E0132
0300		A1-0310A	Hansinice	Ozone Destructionit #1 Vent Ozone Analyzer					Skiu	Supply Contractor	Зарргу Соппастог			WO-F0012	WD-A0403		WO-L0132
0589	2	PT-O510A	Pressure Indicator Transmitter	Catalytic Destruct Unit CDU-O510 Differential Pressure			Loop Powered	0-5 Kpa	Skid	Supply Contractor	Supply Contractor		l111	WO-P0012	WB-A0465		WO-E0132
0590	2	PT-O510B	Pressure Indicator Transmitter	Ozone Destruct Unit #1 Blower Differential Pressure			Loop Powered	0-10 Kpa	Skid	Supply Contractor	Supply Contractor		I111	WO-P0012	WB-A0465		WO-E0132
0591	2	TE-O510A	Temperature Element	Ozone Destruct Unit #1 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0012			WO-E0132
			Temperature Indicator														
0592	2			Ozone Destruct Unit #1 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0012	WB-A0465		WO-E0132
0593	2	1E-0510B	Temperature Element	Ozone Destruct Unit #1 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0012			WO-E0132
0594	2	TT-O510B	Temperature Indicator Transmitter	Ozone Destruct Unit #1 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0012	WB-A0465		WO-E0132
0595	2		Temperature Element	Catalytic Destruct Unit CDU-0510A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0012			WO-E0132
			Temperature Indicator	,													
0596	2	TT-0510C	•	Catalytic Destruct Unit CDU-O510A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0012	WB-A0465		WO-E0132
0597	2	AE-O520A	Analyser Element	Ozone Destruct Unit #2 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WO-P0013			WO-E0132
			Ozone Gas Analyzer Indicator														
0598		AT-0520A		Ozone Destruct Unit #2 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WO-P0013	WB-A0465		WO-E0132
0599	2	AE-U520B	Analyser Element	Ambient Ozone Gas Sensor					Skid	Supply Contractor	Supply Contractor			WO-P0013			WO-E0132
0600	2	AT-O520B	Ozone Gas Analyzer Indicator Transmitter	Ambient Ozone Gas Level					Skid	Supply Contractor	Supply Contractor			WO-P0013	WB-A0465		WO-E0132
-		711 00205	Transmitter	- I I I I I I I I I I I I I I I I I I I					Onic	очры оставия	очьь доличий		-		112710100		170 20102
0601	2	PT-0520A	Pressure Indicator Transmitter	Catalytic Destruct Unit CDU-0520A Differential Pressure			Loop Powered	0-5 Kpa	Skid	Supply Contractor	Supply Contractor		I111	WO-P0013	WB-A0465		WO-E0132
0602	2			Ozone Destruct Unit #2 Blower Differential Pressure			Loop Powered	0-10 Kpa	Skid	Supply Contractor	Supply Contractor		l111	WO-P0013	WB-A0465		WO-E0132
0603	2	TE-0520A	Temperature Element	Ozone Destruct Unit #2 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0013			WO-E0132
0404	2	TT-O520A	Temperature Indicator	Ozano Doctrust I Init #2 Hoster Inlet Temperature					Chid	Supply Contractor	Cupply Contractor		l131	WO D0012	WB-A0465		WO-E0132
0604 0605	2	TE-0520A	Temperature Element	Ozone Destruct Unit #2 Heater Inlet Temperature Ozone Destruct Unit #2 Heater Outlet Temperature					Skid Skid	Supply Contractor  Supply Contractor	Supply Contractor Supply Contractor		1131	WO-P0013 WO-P0013	WD-A0400		WO-E0132 WO-E0132
	_	1	Temperature Indicator	Szono Sosadot Onit #2 froator Outlet Femperature					Jiliu	Cappiy Contractor	очерну общистоп		1131	***************************************			WO 20132
0606	2	TT-O520B	'	Ozone Destruct Unit #2 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0013	WB-A0465		WO-E0132
0607	2	TE-0520C	Temperature Element	Catalytic Destruct Unit CDU-O520A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0013			WO-E0132
			Temperature Indicator														
0608	2			Catalytic Destruct Unit CDU-0520A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0013	WB-A0465		WO-E0132
0609	2			Ozone Destruct Unit #3 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WO-P0014			WO-E0132
0610	2	AT-O530A	Ozone Gas Analyzer Indicator	Ozono Doctruct Unit #2 Vant Ozono Anglyzar					Chid	Supply Contractor	Supply Contractor			WO-P0014	WB-A0465		WO F0122
0610	Z	A1-U03UA	Hallollillel	Ozone Destruct Unit #3 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WU-PUU14	WD-AU400		WO-E0132
	2	DT OESON	Prossura Indicator Transmittor	Catalytic Destruct Unit CDU-0530 Differential Pressure			Loop Powered	0-5 Kpa	Skid	Supply Contractor	Supply Contractor		l111	WO-P0014	WB-A0465		WO-E0132

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0612	2	PT-O530B	Pressure Indicator Transmitter	Ozone Destruct Unit #3 Blower Differential Pressure			Loop Powered	0-10 Kpa	Skid	Supply Contractor	Supply Contractor		l111	WO-P0014	WB-A0465		WO-E0132
0613	2	TE-O530A	Temperature Element	Ozone Destruct Unit #3 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0014			WO-E0132
			Temperature Indicator														
0614	2	TT-O530A	Transmitter	Ozone Destruct Unit #3 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0014	WB-A0465		WO-E0132
0615	2	TE-O530B	Temperature Element	Ozone Destruct Unit #3 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0014			WO-E0132
0616	2	TT-O530B	Temperature Indicator Transmitter	Ozone Destruct Unit #3 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0014	WB-A0465		WO-E0132
0617	2		Temperature Element	Catalytic Destruct Unit CDU-O530A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0014	WD-740403		WO-E0132
0017		TE 00000	Temperature Indicator	Salayile Bestidet offit OBO 0000/ Odilet Temperature					Skiu	очры соличения	Зарру солиасто		1131	WO 1 0014			WO LOTSZ
0618	2	TT-O530C	Transmitter	Catalytic Destruct Unit CDU-O530A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0014	WB-A0465		WO-E0132
0619	1	FT-P001A	Flow Indicator Transmitter	DAF Recycle Water Flow to Saturator P001A	+		120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0013	WB-A0453	WB-A0402	WP-E0133
0620	1	FE-P001A	Flow Element	DAF Recycle Water Flow to Saturator P001A				0-150 L/s	Flange	E&I Contractor	Mech. Contractor	250 mm	I100	WP-P0013	WB-A0453	WB-A0453	WP-E0133
												Transmitter mounted on bypass level					
0621	2	LT-P001A	Level Indicator Transmitter	DAF Saturator Vessel P001A Level			Loop powered	0-600 mm		Supply Contractor	Mech. Contractor	indicator		WP-P0013	WB-A0465		WP-E0133
									By pass								
0622	1		Level Element	DAF Saturator Vessel P001A Level					indicator	Supply Contractor	Mech. Contractor			WP-P0013	WB-A0465		WP-E0133
0623	1	LS-P001A	Level Switch	DAF Saturator Vessel P001A Level Low			120V	50.8mm	Flange	Supply Contractor	Mech. Contractor		N/A	WP-P0013	WB-A0463	N/A	WP-E0133
0624	1	DT D001A	Pressure Indicator Transmitter	DAF Saturator Vessel P001A Pressure			Loop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		l111	WP-P0013	WB-A0465	WB-A0408	WP-E0133
0625	3		Pressure Indicator	DAF Saturator Vessel P001A Pressure Reducing Valve			Loop i owcicu	0-1000 кра	riange	Supply Contractor	Mech. Contractor		I1112	WP-P0013	WD-740403	WB-M0464	WP-M0131
0626	3		Pressure Indicator	DAF Saturator Vessel P001A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0013		WB-M0464	VVI IVIO131
0627	1		Pressure Switch	DAF Saturator Vessel P001A Pressure Low	+					Supply Contractor	Mech. Contractor		I115	WP-P0013			WP-E0133
0027	-			- Calada Control Contr	+					очьы оставия							20100
0628	1	SOL-P001A	Solenoid Actuator	DAF Saturator Vessel P001A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0013			WP-E0133
			Temperature Indicator														
0629	2	TT-P001A	Transmitter	DAF Saturator Vessel P001A Temperature						Supply Contractor	Mech. Contractor		I131	WP-P0013			WP-E0133
0630	1	TE-P001A	Temperature Element	DAF Saturator Vessel P001A Temperature					Thermowell	Supply Contractor	Mech. Contractor		I131	WP-P0013			WP-E0133
0631	2	FT-P002A	Flow Indicator Transmitter	DAF Recycle Water Flow to Saturator P002A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0013	WB-A0453	WB-A0402	WP-E0133
0632	2	FE-P002A	Flow Element	DAF Recycle Water Flow to Saturator P002A				0-150 L/s	Flange	E&I Contractor	Mech. Contractor	250 mm	I100	WP-P0013	WB-A0453	WB-A0453	WP-E0133
0/22	2	1 T D0004	I as allowing to a transfer the second	DAT Cohumban Vascal DOGGA Lavid			l	0.400		Committee Committee	Mark Cantraster	Transmitter mounted on bypass level		WD D0012	WD 404/F		WD E0122
0633	2	L1-P002A	Level Indicator Transmitter	DAF Saturator Vessel P002A Level			Loop powered	0-600 mm		Supply Contractor	Mech. Contractor	indicator		WP-P0013	WB-A0465		WP-E0133
0634	0	I F-P002A	Level Element	DAF Saturator Vessel P002A Level					By pass indicator	Supply Contractor	Mech Contractor			WP-P0013	WB-A0465		WP-E0133
0635			Level Switch	DAF Saturator Vessel P002A Level Low	+		120V	50.8mm	Flange	Supply Contractor	Mech. Contractor		N/A	WP-P0013	WB-A0463	N/A	WP-E0133
	-				1				9	r J = 2dotoi							
0636	1	PT-P002A	Pressure Indicator Transmitter	DAF Saturator Vessel P002A Pressure			Loop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		l111	WP-P0013	WB-A0465	WB-A0408	WP-E0133
0637	3	PI-P002A	Pressure Indicator	DAF Saturator Vessel P002A Pressure Reducing Valve			<u> </u>			Supply Contractor	Mech. Contractor		I112	WP-P0013	<u> </u>	WB-M0464	
0638	3	PI-P002B	Pressure Indicator	DAF Saturator Vessel P002A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0013		WB-M0464	
0639	1	PS-P002A	Pressure Switch	DAF Saturator Vessel P002A Pressure Low	1					Supply Contractor	Mech. Contractor		I115	WP-P0013			WP-E0133
0640	1	SOL-P002A	Solenoid Actuator	DAF Saturator Vessel P002A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0013			WP-E0133
04.41	1	TT DOO24	Temperature Indicator	DAF Caturator Vascal D000A Tamparatura						Supply Contractor	Mach Contractor		1121	WD D0012			WD F0122
0641	1			DAF Saturator Vessel P002A Temperature	-					Supply Contractor	Mech. Contractor  Mech. Contractor		I131	WP-P0013 WP-P0013			WP-E0133 WP-E0133
0642 0643	2		Flow Indicator Transmitter	DAF Saturator Vessel P002A Temperature  DAF Recycle Water Flow to Saturator P003A			120V		Wall/Stand	Supply Contractor  E&I Contractor	E&I Contractor		I131 I100	WP-P0013	WB-A0453	WB-A0402	WP-E0133
0644	2		Flow Element	DAF Recycle Water Flow to Saturator P003A  DAF Recycle Water Flow to Saturator P003A			1201	0-150 L/s	Flange	E&I Contractor	Mech. Contractor	250 mm	I100	WP-P0015	WB-A0453	WB-A0402 WB-A0453	WP-E0134
0077	۲	. L 1 003A	1 IOW Element	Drift Rougelo Water Flow to Saturator Flood			-	0 100 00	riange	Edi Conilacioi	Wicen. Contractor	Transmitter mounted on bypass level	1100	VVI 1 0013	WD 70433	WD AUTUU	VVI 20134
0645	2	LT-P003A	Level Indicator Transmitter	DAF Saturator Vessel P003A Level			Loop powered	0-600 mm		Supply Contractor	Mech. Contractor	indicator		WP-P0014	WB-A0465		WP-E0134
									By pass						<del> </del>		
0646	0	LE-P003A	Level Element	DAF Saturator Vessel P003A Level	1				indicator	Supply Contractor	Mech. Contractor			WP-P0014	WB-A0465		WP-E0134

					-		IN	STRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	WINTER	WODEL	SUPPLY	RANGE	WOONTING	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0647	0	LS-P003A	Level Switch	DAF Saturator Vessel P003A Level Low			120V	50.8mm	Flange	Supply Contractor	Mech. Contractor		N/A	WP-P0014	WB-A0463	N/A	WP-E0134
0648	1	PT-P003A	Pressure Indicator Transmitter	DAF Saturator Vessel P003A Pressure			Loop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		l111	WP-P0014	WB-A0465	WB-A0408	WP-E0134
0649	3	PI-P003A	Pressure Indicator	DAF Saturator Vessel P003A Pressure Reducing Valve						Supply Contractor	Mech. Contractor		I112	WP-P0014		WB-M0464	
0650	3	PI-P003B	Pressure Indicator	DAF Saturator Vessel P003A Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-M0464	
0651	1	PS-P003A	Pressure Switch	DAF Saturator Vessel P003A Pressure Low						Supply Contractor	Mech. Contractor		I115	WP-P0014			WP-E0134
0652	1	SOL-P003A	Solenoid Actuator	DAF Saturator Vessel P003A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0014			WP-E0134
0653	1	TT-P003A		DAF Saturator Vessel P003A Temperature						Supply Contractor	Mech. Contractor		l131	WP-P0014			WP-E0134
0654	1	TE-P003A	·	DAF Saturator Vessel P003A Temperature						Supply Contractor	Mech. Contractor		l131	WP-P0014			WP-E0134
0655	2	FT-P004A	Flow Indicator Transmitter	DAF Recycle Water Flow to Saturator P004A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0015	WB-A0453	WB-A0402	WP-E0134
0656	2	FE-P004A	Flow Element	DAF Recycle Water Flow to Saturator P004A				0-150 L/s	Flange	E&I Contractor	Mech. Contractor	250 mm	I100	WP-P0015	WB-A0453	WB-A0453	WP-E0134
0657	2	LT-P004A	Level Indicator Transmitter	DAF Saturator Vessel P004A Level			Loop powered	0-600 mm		Supply Contractor	Mech. Contractor	Transmitter mounted on bypass level indicator		WP-P0014	WB-A0465		WP-E0134
0658	0			DAF Saturator Vessel P004A Level					By pass indicator	Supply Contractor	Mech. Contractor			WP-P0014	WB-A0465		WP-E0134
0659	0	LS-P004A	Level Switch	DAF Saturator Vessel P004A Level Low			120V	50.8mm	Flange	Supply Contractor	Mech. Contractor		N/A	WP-P0014	WB-A0463	N/A	WP-E0134
0660	1	PT-P004A		DAF Saturator Vessel P004A Pressure			Loop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		l111	WP-P0014	WB-A0465	WB-A0408	WP-E0134
0661	3	PI-P004A	Pressure Indicator	DAF Saturator Vessel P004A Pressure Reducing Valve						Supply Contractor	Mech. Contractor		I112	WP-P0014		WB-M0464	
0662	3	PI-P004B	Pressure Indicator	DAF Saturator Vessel P004A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0014		WB-M0464	
0663	1	PS-P004A	Pressure Switch	DAF Saturator Vessel P004A Pressure Low						Supply Contractor	Mech. Contractor		I115	WP-P0014			WP-E0134
0664	1	SOL-P004A		DAF Saturator Vessel P004A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0014			WP-E0134
0665	1	TT-P004A	Temperature Indicator Transmitter	DAF Saturator Vessel P004A Temperature						Supply Contractor	Mech. Contractor		I131	WP-P0014			WP-E0134
0666	1	TE-P004A	Temperature Element	DAF Saturator Vessel P004A Temperature						Supply Contractor	Mech. Contractor		l131	WP-P0014			WP-E0134
0667	3	PI-P010F	Pressure Indicator	DAF Recycle Pump P-P010A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0012		WB-M0464	WP-M0209
0668	3	PI-P010G	Pressure Indicator	DAF Recycle Pump P-P010A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		I112	WP-P0012		WB-M0464	WP-M0209
0669	1	TE-P010A	DAF Recycle Pump - Thermistor	DAF Recycle Pump P-P010A temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0012			WP-E0113
0670	3	PI-P020H	Pressure Indicator	DAF Recycle Pump P-P020A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		I112	WP-P0012		WB-M0464	WP-M0209
06/1	3	PI-P020J	Pressure Indicator	DAF Recycle Pump P-P020A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		1112	WP-P0012		WB-M0464	WP-M0209
0672	1	TE-P020A	, ,	DAF Recycle Pump P-P020A temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0012			WP-E0113
0673	3	PI-P030F	Pressure Indicator	DAF Recycle Pump P-P030A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		I112	WP-P0012		WB-M0464	WP-M0209
0674	3	PI-P030G	Pressure Indicator	DAF Recycle Pump P-P030A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0012		WB-M0464	WP-M0209
0675	1		·	DAF Recycle Pump P-P030A temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0012			WP-E0113
0676	3			DAF Recycle Pump P-P040A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-M0464	WP-M0210
0677	3	PI-P040G	Pressure Indicator	DAF Recycle Pump P-P040A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-M0464	WP-M0210
0678	1		·	DAF Recycle Pump P-P040A temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0014			WP-E0114
0679	3			DAF Recycle Pump P-P050A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-M0464	WP-M0210
0680	3	PI-P050J	Pressure Indicator	DAF Recycle Pump P-P050 Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		I112	WP-P0014		WB-M0464	WP-M0210
0681	1			DAF Recycle Pump P-P050A temperature							Mech. Contractor	Wired to local control panel		WP-P0014			WP-E0114
0682	3			DAF Recycle Pump P-P060A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-M0464	WP-M0210
0683	3	PI-P060G	Pressure Indicator	DAF Recycle Pump P-P060A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-M0464	WP-M0210

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
		NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	BY	BY	COMMENTS		DRAWING	LOOP DIA.	DETAIL	
NO.	No.	IVAIVIE	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		Df	Dĭ		DATA SHEET	DRAWING	LOUP DIA.	DETAIL	DWG.
0684	1	TE-P060A	DAF Recycle Pump - Thermisto	r DAF Recycle Pump P-P060A temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0014			WP-E0114
0685	2	FT-P100A	Flow Indicator Transmitter	Raw Water Flow to DAF TNKP100A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0002	WB-A0453	WB-A0402	WA-E0112
0686	2	FE-P100A	Flow Element	Raw Water Flow to DAF TNKP100A				0-650 L/s	Flange	E&I Contractor	Mech. Contractor	450 mm	I100	WP-P0002	WB-A0453	WB-A0453	WA-E0112
0687	0	LT-P100A	Level Indicator Transmitter	DAF TNKP100A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		I120	WP-P0004	WB-A0455	WB-A0402	WP-E0133
0688	1	LE-P100A	Level Element	DAF TNKP100A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0004	WB-A0455	WB-A0401	WP-E0133
0689	1	SOL-P120A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP100A)						Supply Contractor	Mech. Contractor			WP-P0004			WP-E0133
0690	1	SOL-P120B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP100A)						Supply Contractor	Mech. Contractor			WP-P0004			WP-E0133
0691	2	FT-P200A	Flow Indicator Transmitter	Raw Water Flow to DAF TNKP200A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0002	WB-A0453	WB-A0402	WA-E0112
0692	2	FE-P200A	Flow Element	Raw Water Flow to DAF TNKP200A				0-650 L/s	Flange	E&I Contractor	Mech. Contractor	450 mm	I100	WP-P0002	WB-A0453	WB-A0453	WA-E0112
0693	0	LT-P200A	Level Indicator Transmitter	DAF TNKP200A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		I120	WP-P0005	WB-A0455	WB-A0402	WP-E0133
0694	1	LE-P200A	Level Element	DAF TNKP200A Level					Bracket	Supply Contractor	E&I Contractor		l120	WP-P0005	WB-A0455	WB-A0401	WP-E0133
0695	1	SOL-P220A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP200A)						Supply Contractor	Mech. Contractor			WP-P0005			WP-E0133
0696	1	SOL-P220B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP200A)						Supply Contractor	Mech. Contractor			WP-P0005			WP-E0133
0697	2	FT-P300A	Flow Indicator Transmitter	Raw Water Flow to DAF TNKP300A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0002	WB-A0453	WB-A0402	WA-E0112
0698	2	FE-P300A	Flow Element	Raw Water Flow to DAF TNKP300A				0-650 L/s	Flange	E&I Contractor	Mech. Contractor	450 mm	I100	WP-P0002	WB-A0453	WB-A0453	WA-E0112
0699	0	LT-P300A	Level Indicator Transmitter	DAF TNKP300A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		I120	WP-P0006	WB-A0455	WB-A0402	WP-E0133
0700	1	LE-P300A	Level Element	DAF TNKP300A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0006	WB-A0455	WB-A0401	WP-E0133
0701	1	SOL-P320A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP300A)						Supply Contractor	Mech. Contractor			WP-P0006			WP-E0133
0702	1	SOL-P320B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP300A)						Supply Contractor	Mech. Contractor			WP-P0006			WP-E0133
0703	2	FT-P400A	Flow Indicator Transmitter	Raw Water Flow to DAF TNKP400A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0002	WB-A0453	WB-A0402	WA-E0112
0704	2	FE-P400A	Flow Element	Raw Water Flow to DAF TNKP400A				0-650 L/s	Flange	E&I Contractor	Mech. Contractor	450 mm	I100	WP-P0002	WB-A0453	WB-A0453	WA-E0112
0705	0	LT-P400A	Level Indicator Transmitter	DAF TNKP400A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		I120	WP-P0007	WB-A0455	WB-A0402	WP-E0133
0706	1	LE-P400A	Level Element	DAF TNKP400A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0007	WB-A0455	WB-A0401	WP-E0133
0707	1	SOL-P420A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP400A)						Supply Contractor	Mech. Contractor			WP-P0007			WP-E0133
0708	1	SOL-P420B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP400A)						Supply Contractor	Mech. Contractor			WP-P0007			WP-E0133
0709	2	FT-P500A	Flow Indicator Transmitter	Raw Water Flow to DAF TNKP500A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0003	WB-A0453	WB-A0402	WA-E0112
0710	2	FE-P500A	Flow Element	Raw Water Flow to DAF TNKP500A				0-650 L/s	Flange	E&I Contractor	Mech. Contractor	450 mm	I100	WP-P0003	WB-A0453	WB-A0453	WA-E0112
0711	0	LT-P500A	Level Indicator Transmitter	DAF TNKP500A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		I120	WP-P0008	WB-A0455	WB-A0402	WP-E0134
0712	1	LE-P500A	Level Element	DAF TNKP500A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0008	WB-A0455	WB-A0401	WP-E0134
0713	1	SOL-P520A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP500A)						Supply Contractor	Mech. Contractor			WP-P0008			WP-E0134
0714	1			DAF Basin Float Trough Spray Wash Valve (TNKP500A)						Supply Contractor	Mech. Contractor			WP-P0008			WP-E0134
0715	2		Flow Indicator Transmitter	Raw Water Flow to DAF TNKP600A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0003	WB-A0453	WB-A0402	WA-E0112
0716	2	FE-P600A	Flow Element	Raw Water Flow to DAF TNKP600A				0-650 L/s	Flange	E&I Contractor	Mech. Contractor	450 mm	I100	WP-P0003	WB-A0453	WB-A0453	WA-E0112
0717	0	LT-P600A	Level Indicator Transmitter	DAF TNKP600A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		I120	WP-P0009	WB-A0455	WB-A0402	WP-E0134
0718	1	LE-P600A	Level Element	DAF TNKP600A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0009	WB-A0455	WB-A0401	WP-E0134
0719	1	SOL-P620A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP600A)						Supply Contractor	Mech. Contractor			WP-P0009			WP-E0134
0720	1	SOL-P620B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP600A)						Supply Contractor	Mech. Contractor			WP-P0009			WP-E0134
0721	2	FT-P700A	Flow Indicator Transmitter	Raw Water Flow to DAF TNKP700A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0003	WB-A0453	WB-A0402	WA-E0112

Marcia   M								IN	STRUMENT INDEX									
March   Marc	RECORD	REV.	TAG		DESCRIPTION	MANUEACTUDED	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
	NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	WANDI ACTORER	WIODEL	SUPPLY	RANGE	MOONTING	BY	BY	COMMINICATION	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
A LANGE	0722	2	FE-P700A	Flow Element	Raw Water Flow to DAF TNKP700A				0-650 L/s	Flange	E&I Contractor	Mech. Contractor	450 mm	I100	WP-P0003	WB-A0453	WB-A0453	WA-E0112
	0723	0	LT-P700A	Level Indicator Transmitter	DAF TNKP700A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		I120	WP-P0010	WB-A0455	WB-A0402	WP-E0134
	0724	1	LE-P700A	Level Element	DAF TNKP700A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0010	WB-A0455	WB-A0401	WP-E0134
1   1   1   1   1   1   1   1   1   1	0725	1	SOL-P720A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP700A)						Supply Contractor	Mech. Contractor			WP-P0010			WP-E0134
1   1   1   1   1   1   1   1   1   1																		
1		1																
	0727	2						120V		Wall/Stand								
1	0728	2											450 mm					
	0729	0						120V	0-600 mm	Wall/ Stand		E&I Contractor						WP-E0134
1	0730	1	LE-P800A	Level Element	DAF TNKP800A Level					Bracket	Supply Contractor	E&I Contractor		l120	WP-P0011	WB-A0455	WB-A0401	WP-E0134
1																		
Part	0/31	1	SOL-P820A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP800A)						Supply Contractor	Mech. Contractor			WP-P0011			WP-E0134
Part	0722	1	CUI DOSAD	Calonaid Actuator	DAE Pacin Float Trough Spray Wash Valvo (TNIVD900A)						Supply Contractor	Moch Contractor			WD D0011			WD E0124
1   SPFON   Security	0732	'	30L-P620B	Soleriola Actuatol	DAF BASIII FIOAL HOUGH SPIAY WASH VAIVE (TINKPOODA)						Supply Contractor	Wech. Contractor			WP-P0011			WP-EUI34
1   SPFON   Security	0733	1	ΡΤ-Ρ900Δ	Pressure Indicator Transmitter	DAF Air Receiver Pressure			Loon Powered	TRC		F&I Contractor	F&I Contractor		1111	WP-P0016			WR-F0132
No.		1						Loop i owered	100				Wired to local control nanel					
1   15   15   15   15   15   15   15		3			1								Wired to local control pariel				WR-M0464	
1		1			'								Wired to local control panel	1112			VVD-IVIO404	
1		1											Wifed to local control pariel	1121				
1		2															WD MO444	
1		3																
19   19   19   19   19   19   19   19		3																
1	0740	3																
1   1   1   1   1   1   1   1   1   1	0/41	3																
1		3															WB-M0464	
1		1											Wired to local control panel					
1   1   1   1   1   1   1   1   1   1		3			'									l1112			WB-M0464	
Pi-PSI   P		1		· ·									Wired to local control panel					WR-E0132
New Note	0746	1		Temperature Indicator							Supply Contractor	Mech. Contractor		I131				
1	0747	3	PI-P921A	Pressure Indicator	Air Receiver PV-P920A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016		WB-M0464	WR-E0132
3   PF-P71F   Pressure Indicator   Filter/Outlet Pressure   Pressure Indicator   Pressure Indicator   Filter/Outlet Pressure   Filter/Outlet P	0748	3	PI-P921D	Pressure Indicator	Filter Inlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016		WB-M0464	WR-E0132
975 3 PF-9721G Pressure Indicator/Level Pressure Indicator/Level DAF Float Sump P930A Level Loop Powered D-100 Kpa Flange E&I Contractor E&I Contractor Registrople Installation Peace Indicator/Level DAF Float Sump P930A Level D-100 Kpa Flange E&I Contractor Registrople Installation Registrople Installation DAF Float Sump P930A Level D-100 Kpa Flange E&I Contractor Registrople Installation Registrople Installation DAF Float Sump P930A Level D-100 Kpa Flange E&I Contractor Registrople Installation Registrople Installation Registrople Installation Registrople Installation Registrople Installation Registrople Installation DAF Float Sump P930A Level D-100 Kpa Flange E&I Contractor Refer to PID for full installation Registrople Installation Refer to PID for full installation Registrople Inst	0749	3	PI-P921E	Pressure Indicator	FilterOutlet Pressure							Mech. Contractor		I112	WP-P0016		WB-M0464	WR-E0132
Pressure Indicator/Level   Dar Float Sump P930A Level   Dar Float Sump P940A Level   Dar Float Sump P	0750	3	PI-P921F	Pressure Indicator	FilterOutlet Pressure							Mech. Contractor		l112	WP-P0016		WB-M0464	WR-E0132
1 Prince 1 P	0751	3	PI-P921G	Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016		WB-M0464	WR-E0132
Pressure Indicator/Level Pressure Indicator/Level Pressure Indicator/Level Pressure Indicator Pressure Indic																		
975 PF-9938 Transmitter 0AF Float Sump P930A Level 0-100 Kpa 0-100 Kpa 0-100 Kpa 1Flange 18d Contractor 18d Contractor 19d Mech. Contractor 18d Contractor 1	0752	2	PT-P930A	Transmitter	DAF Float Sump P930A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	E&I Contractor		l111	WP-P0018	WB-A0465	WB-A0408	WP-E0113
9 Pi P931A Pressure Indicator DAF Float Transfer Pump P931A Discharge	0750		DT D000D							E.					Dood o	1110 10115	14/D 4 6 4 6 6	
975 Pressure Indicator DAF Float Transfer Pump P931A Discharge	0/53	2	PT-P930B	Transmitter	DAF Float Sump P930A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	E&I Contractor		1111	WP-P0018	WB-A0465	WB-A0408	WP-E0113
975 975 975 975 975 975 975 975 975 975	0754	2	DI D021A	Droccura Indicator	DAE Float Transfer Dumn D021A Discharge				0.11mtre	Dino	Mach Contractor	Mach Contractor		1112	WD D0010		WP MO464	
9 Pi-9932A Pressure Indicator Level Transmitter 9 Pi-9940A Level 9 Pi-9940	0734	3	FI-F931A	riessure muicatui	DAF Float Halislet Fullip F95TA Discilarge				0-11111115	ripe	Ween. Contractor	Wech. Contractor	· ·	1112	WF-F0016		VV D-IVIU404	
Pressure Indicator/Level Transmitter  DAF Float Sump P940A Level  DAF Float Transfer Pump P940A Discharge  DAF Fl	0755	3	PI-P932A	Pressure Indicator	DAF Float Transfer Pump P932A Discharge				0-11mtrs	Pine	Mech Contractor	Mech Contractor		1112	WP-P0018		WR-M0464	
975 PF-9940 Transmitter DAF Float Sump P940A Level Loop Powered Loop Powered O-100 Kpa Flange E&l Contractor E&	0733	3	111 /32/1		Drift Hout Hullster Fullip 1 7327 Discharge				0 Timus	Прс	Ween. Contractor	Ween. Contractor	requirements	1112	WI 1 0010		WB WOTOT	
Pressure Indicator/Level Transmitter  DAF Float Sump P940A Level  DAF Float Sump P94A1 Discharge  DAF Float Transfer Pump P94A1 Discharge  DAF Float Transfer Pu	0756	2	PT-P940A		DAF Float Sump P940A Level			Loop Powered	0-100 Kpa	Flange	F&I Contractor	F&I Contractor		1111	WP-P0018	WB-A0465	WB-A0408	WP-E0113
975 PT-P940B Transmitter DAF Float Sump P940A Level					r r				r - r -	- J-		1		1				+
9758 3 PI -P941A Pressure Indicator DAF Float Transfer Pump P94A1 Discharge DAF Float Transfer Pump P94A1 Discharge Pump P94A1 Discharg	0757	2	PT-P940B		DAF Float Sump P940A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	E&I Contractor		l111	WP-P0018	WB-A0465	WB-A0408	WP-E0113
9758 3 PI -P941A Pressure Indicator DAF Float Transfer Pump P94A1 Discharge 0-11mtrs Pipe Mech. Contractor Mech. Contractor requirements II12 WP-P0018 WB-M0464 WB-M0464 WP-P0018 WB-M0464 WP-P0018 WB-M0464 WP-P0018 WB-M0464 WP-P0018 WB-M0464 WP-P0018 WB-M0464 WP-P0018 WP-P0018 WP-P0018 WB-M0464 WP-P0018 WP-P0												1	Refer to PID for full installation					+
	0758	3	PI -P941A	Pressure Indicator	DAF Float Transfer Pump P94A1 Discharge				0-11mtrs	Pipe	Mech. Contractor	Mech. Contractor		I112	WP-P0018		WB-M0464	
0759 3 PI -P942A Pressure Indicator DAF Float Transfer Pump P942A Discharge 0-11mtrs Pipe Mech. Contractor requirements I112 WP-P0018 WB-M0464													Refer to PID for full installation	1				
	0759	3	PI -P942A	Pressure Indicator	DAF Float Transfer Pump P942A Discharge				0-11mtrs	Pipe	Mech. Contractor	Mech. Contractor	requirements	I112	WP-P0018		WB-M0464	

							IN	STRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	WANDFACTURER	WIODEL	SUPPLY	RANGE	WOONTING	BY	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0760	2	PT-P950A	Pressure Indicator/Level Transmitter	DAF Float Sump P950A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	E&I Contractor		l111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0761	2	PT-P950B	Pressure Indicator/Level Transmitter	DAF Float Sump P950A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	E&I Contractor		l111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0762	3	PI -P951A	Pressure Indicator	DAF Float Transfer Pump P951A Discharge				0-11mtrs	Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WP-P0019		WB-M0464	
0763	3	PI -P952A	Pressure Indicator	DAF Float Transfer Pump P952A Discharge				0-11mtrs	Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WP-P0019		WB-M0464	
0764	2	PT-P960A	Pressure Indicator/Level Transmitter	DAF Float Sump P960A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	E&I Contractor		l111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0765	2	PT-P960B	Pressure Indicator/Level Transmitter	DAF Float Sump P960A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	E&I Contractor		l1111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0766	3	PI -P961A	Pressure Indicator	DAF Float Transfer Pump P961A Discharge				0-11mtrs	Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WP-P0019		WB-M0464	
0767	3			DAF Float Transfer Pump P962A Discharge			1001	0-11mtrs	Pipe	Mech. Contractor	Mech. Contractor	Refer to PID for full installation requirements	l112	WP-P0019	IMP TO	WB-M0464	
0768	0	LS-P970A	Level Switch	DAF Effluent Channel West Side (Train 1)			120V	2.4 mtrs from bottom of channel	Flange	E&I Contractor	E&I Contractor		I125	WP-P0017	WB-A0463	WB-A0406	WP-E0133
0769	0	LT-P970A	Level Indicator Transmitter	DAF Effluent Channel West Side (Train 1)			120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WP-P0017	WB-A0455	WB-A0402	WP-E0133
0770	0	LE-P970A	Level Element	DAF Effluent Channel West Side (Train 1)					Flange	E&I Contractor	E&I Contractor		I120	WP-P0017	WB-A0455	WB-A0401	WP-E0133
0771	0	LS-P971A	Level Switch	DAF Effluent Channel East Side (Train 2)			120V	2.4 mtrs from bottom of channel	Flange	E&I Contractor	E&I Contractor		I125	WP-P0017	WB-A0463	WB-A0406	WP-E0134
0772	0	LT-P971A	Level Indicator Transmitter	DAF Effluent Channel East Side (Train 2)			120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WP-P0017	WB-A0455	WB-A0402	WP-E0134
0773	0	LE-P971A	Level Element	DAF Effluent Channel East Side (Train 2)					Flange	E&I Contractor	E&I Contractor		I120	WP-P0017	WB-A0455	WB-A0401	WP-E0134
0774	2	AE-P975A	Turbidity Sensor	DAF Common Effluent Channel Turbidity					Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	l162	WP-P0017			WP-E0113
0775	2	AT-P975A	Turbidity Analyzer/ Transmitter	DAF Common Effluent Channel Turbidity				3-5 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	l162	WP-P0017			WP-E0113
0776	1		,	DAF Common Effluent Channel Turbidity Sample Flow					Backboard	E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WP-P0017			WP-E0113
0777	1	FS-P975A	Flow Switch	DAF Common Effluent Channel Turbidity Low Sample Flow					Backboard	E&I Contractor	E&I Contractor			WP-P0017			WP-E0113
0778	1		pH Element	DAF Common Effluent Channel pH					Backboard	E&I Contractor	E&I Contractor		I165	WP-P0017			WP-E0113
0779	1	AT-P976A	pH Indicator Transmitter	DAF Common Effluent Channel pH				4-8	Backboard	E&I Contractor	E&I Contractor		I165	WP-P0017			WP-E0113
0780	1	LE-P980A	Level Element	DAF Area Process Sump Pump Level					Bracket	E&I Contractor	E&I Contractor		I120	WP-P0020	WB-A0455	WB-A0401	WA-E0102
0781	1	LT-P980A	Level Indicator Transmitter	DAF Area Process Sump Pump Level			120V	0-4 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WP-P0020	WB-A0455	WB-A0402	WA-E0102
0782	1	LE-P980B	Level Element	DAF Area Process Sump Pump Level					Bracket	E&I Contractor	E&I Contractor		I120	WP-P0020	WB-A0455	WB-A0401	WA-E0102
0783	1	LT-P980B		DAF Area Process Sump Pump Level			120V	0-4 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WP-P0020	WB-A0455	WB-A0402	WA-E0102
0784	2	FT-P990A	Flow Indicator Transmitter	Sump P930A and Sump P940A Float Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0018	WB-A0453	WB-A0402	WP-M0209
0785	2	FE-P990A	Flow Element	Sump P930A and Sump P940A Float Flow				0-25 L/s	Flange	E&I Contractor	Mech. Contractor	75 mm	I100	WP-P0018	WB-A0453	WB-A0453	WP-M0209
0786	2	FT-P993A	Flow Indicator Transmitter	Sump P950A and Sump P960A Float Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0019	WB-A0453	WB-A0402	WP-M0209
0787	2	FE-P993A	Flow Element	Sump P950A and Sump P960A Float Flow				0-25 L/s	Flange	E&I Contractor	Mech. Contractor	75 mm	I100	WP-P0019	WB-A0453	WB-A0453	WP-M0209
0788	2	AE-R001A	Turbidity/TSS Monitor	Washwater Recovery Tanks Sludge to Flocculation Chamber Turbidity Suspended Solids Monitor					In Line	E&I Contractor	E&I Contractor	Sensor mounted inline	l160	WR-P0006	WB-A0462	WB-A0410	WR-E0401
0789	2	AT-R001A	Turbidity/TSS Monitor	Washwater Recovery Tanks Sludge to Flocculation Chamber Turbidity Suspended Solids Monitor			120V	0-50 g/l	Wall/Stand	E&I Contractor	E&I Contractor		l160	WR-P0006	WB-A0462	WB-A0410	WR-E0401
0790	2	FT-R001B	Flow Indicator Transmitter	Washwater Recovery Tanks Sludge to Flocculation Chamber Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		l100	WR-P0006	WB-A0453	WB-A0402	WR-E0401
0791	2	FE-R001B	Flow Element	Washwater Recovery Tanks Sludge to Flocculation Chamber Flow				0-2500 l/m	Flange	E&I Contractor	Mech Contractor	150 mm	I100	WR-P0006	WB-A0453	WB-A0453	WR-E0401
0792	0	LS-R001A	Multiple Point Conductivity Level Switch	Flocculation Chamber Level Switch			120V	Low setpoint 0.1 mtr from bottom of chamber High setpoint 0.94 mtrs fron bottom of chamber High high setpoin 1.1 mtrs from bottom of chamber	t	E&I Contractor	E&I Contractor		1126	WR-P0006	WB-A0458	N/A	WR-E0401

RECORD	REV.	TAG		DESCRIPTION			POWER	STRUMENT INDEX  CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
NO.	IVO.	INAIVIE	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		Dĭ	Dĭ		DATA SHEET	DRAWING	LOUP DIA.	DETAIL	DWG.
0793	0	LY-R001A	Level Relay	Flocculation Chamber Low Level Relay			120V		Junction Box	E&I Contractor	E&I Contractor	Relays mounted in local junction box		WR-P0006			WR-E0401
0794	0	LY-R001B	Level Relay	Flocculation Chamber High Level Relay			120V		Junction Box	E&I Contractor	E&I Contractor	Relays mounted in local junction box		WR-P0006			WR-E0401
0795	0	LY-R001C	Level Relay	Flocculation Chamber High High Level Relay			120V		Junction Box	E&I Contractor	E&I Contractor	Relays mounted in local junction box		WR-P0006			WR-E0401
0796	3	PI-R001A	Pressure Indicator	Washwater Recovery Tanks Sludge to Flocculation Chamber Pressure				0-150 Kpa	Pipe	Mech Contractor	Mech Contractor	Refer to PID for full installation requirements	l112	WR-P0006		WB-M0464	
0797	3	AE-R010A	Turbidity/TSS Monitor	Washwater Recovery Tank Supernatent Suspended Solids Monitor					In Line	E&I Contractor	E&I Contractor	Mounted on backboard	l162	WR-P0006	WB-A0462	WB-A0410	WR-E0401
0798	3	AT-R010A	Turbidity/TSS Monitor	Washwater Recovery Tank Supernatent Suspended Solids Monitor			120V	0-50 g/l	Wall/ Stand	E&I Contractor	E&I Contractor	Mounted on backboard	l162	WR-P0006	WB-A0462	WB-A0410	WR-E0401
0799	0	FI-R010A	Flow Indicator	Washwater Recovery Tank Supernatent Suspended Solids Monitor Sample Pump Outlet Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WR-P0006			WR-E0401
0800	0	FS-R010A	Flow Switch	Washwater Recovery Tank Supernatent Suspended Solids Monitor Sample Pump Outlet Flow Switch			120V			E&I Contractor	E&I Contractor			WR-P0006			WR-E0401
0801	0	LS-R010A	Conductivity Level Switch	Washwater Recovery Tank Inlet Channel High Level			120V	1.05 mtrs from floor of channel	Flange	E&I Contractor	E&I Contractor	Mounted to monitor flow over the weir	l126	WR-P0001	WB-A0458	N/A	WR-E0122
0802	0	LS-R010B	Conductivity Level Switch	Washwater Recovery Tank Inlet Channel High Level			120V	1.05 mtrs from floor of channel	Flange	E&I Contractor	E&I Contractor	Mounted to monitor flow over the weir	l126	WR-P0001	WB-A0458	N/A	WR-E0123
0803	0	SP-R010A	Sample Pump	Washwater Recovery Tank Supernatent Suspended Solids Monitor Sample Pump			120V	To suit required sample flow rate	Floor	Mech Contractor	Mech Contractor			WR-P0006			WR-E0401
0804	0	LS-R020A	Level Switch	Supernatent Pump Station Low Low Level			120V	2.25 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		l125	WR-P0007	WB-A0463	WB-A0406	WR-E0401
0805	0	LS-R020B	Level Switch	Supernatent Pump Station High High Level			120V	7.4 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		l125	WR-P0007	WB-A0463	WB-A0406	WR-E0401
0806	0	LT-R020A	Level Indicator Transmitter	Supernatent Pump Station Level			120V	0-8.5 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WR-P0007	WB-A0455	WB-A0402	WR-E0401
0807	0	LE-R020A	Level Element	Supernatent Pump Station Level					Bracket	E&I Contractor	E&I Contractor		l120	WR-P0007	WB-A0455	WB-A0401	WR-E0401
0808	0	LS-R020C	Multiple Point Conductivity Level Switch	Overflow Channel Level Switch			120V	High setpoint 0.74 mtrs from bottom of chamber High high setpoint 0.84 mtrs from bottom of chamber	Flange	E&I Contractor	E&I Contractor		1126	WR-P0007	WB-A0458		WR-E0122
0809		LS-R020D	Multiple Point Conductivity Level Switch	Overflow Channel Level Switch			120V	High setpoint 0.74 mtrs from bottom of chamber High high setpoint 0.84 mtrs from bottom of chamber	Flange	E&I Contractor	E&I Contractor		l126	WR-P0007	WB-A0458		WR-E0122
0810	1	SY-R021A	Reverse Spin Relay	Supernatent Pump P-R021A Reverse Spin Relay						Mech Contractor	Mech Contractor	Part of speed transmilter		WR-P0007			WR-E0401
0811	1	ST-R021A	Speed Indicator Transmitter	Supernatent Pump P-R021A Speed Indicator Transmitter						Mech Contractor	Mech Contractor	Mounted local to pump with repeat indication at MCC		WR-P0007			WR-E0401
0812	1			Supernatent Pump P-R021A Outlet Control Valve Solenoid Operator					Valve	Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			
0813	3	TE-R021B		Supernatent Pump P-R021A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0814	3	TE-R021C	·	Supernatent Pump P-R021A Bottom Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0815	3	TE-R021D	Temperature Sensor	Supernatent Pump P-R021A Top Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0816	1			Supernatent Pump P-R021A Vibration Sensor/ Transmitter						Mech Contractor	Mech Contractor	Mounted local to pump with repeat indication at MCC		WR-P0007			WR-E0401
0817	1	SY-R022A	Reverse Spin Relay	Supernatent Pump P-R022A Reverse Spin Relay						Mech Contractor	Mech Contractor	Part of speed transmilter		WR-P0007			WR-E0401
0818	1	ST-R022A	Speed Indicator Transmitter	Supernatent Pump P-R022A Speed Indicator Transmitter						Mech Contractor	Mech Contractor	Mounted local to pump with repeat indication at MCC		WR-P0007			WR-E0401
0819	1			Supernatent Pump P-R022A Outlet Control Valve Solenoid Operator						Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			
0820	3	TE-R022B		Supernatent Pump P-R022A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			$oxed{oxed}$
0821	3	TE-R022C	Temperature Sensor	Supernatent Pump P-R022A Bottom Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0822	3	TE-R022D	Temperature Sensor	Supernatent Pump P-R022A Top Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			

							IN	ISTRUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUEACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	ВҮ	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0823	1	VT-R022A	Vibration Transmitter	Supernatent Pump P-R022A Vibration Sensor/ Transmitter						Mech Contractor	Mech Contractor	Mounted local to pump with repeat indication at MCC		WR-P0007			WR-E0401
0824	1	SY-R023A	Reverse Spin Relay	Supernatent Pump P-R023A Reverse Spin Relay						Mech Contractor	Mech Contractor	Mounted local to pump with repeat indication at MCC		WR-P0007			WR-E0401
0825	1		Solenoid Actuator	Supernatent Pump P-R023A Outlet Control Valve Solenoid Operator					Valve	Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			
0826	3		Temperature Sensor	Supernatent Pump P-R023A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			<del> </del>
0827	3	TE-R023C	Temperature Sensor	Supernatent Pump P-R023A Bottom Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			<del> </del>
0828	3	TE-R023D	Temperature Sensor	Supernatent Pump P-R022A Top Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			
0829	1		Vibration Switch	Supernatent Pump P-R023A Vibration Sensor/ Transmitter					rump	Mech Contractor	Mech Contractor	Mounted local to pump with repeat indication at MCC	1131	WR-P0007			WR-E0401
0830	2		Turbidity/ TSS Monitor	Supernatent Pump Station Outlet Turbidity/TSS					Inline	Mech Contractor	Mech Contractor	Sensor mounted inline	I160	WR-P0007			WR-E0401
0831	2		Turbidity/ TSS Analyzer	Supernatent Pump Station Outlet Turbidity/TSS					Wall/ Stand	Mech Contractor	Mech Contractor	Scrisor mounted militie	I160	WR-P0007			WR-E0401
0832	2	FE-R024A	Flow Element	Supernatent Pump Station Outlet Flow				0-3500 l/m	Flange	E&I Contractor	Mech Contractor	600mm	1100	WR-P0007	WB-A0453	WB-A0453	WR-E0401
0833	2	FT-R024A	Flow Indicator Transmitter	Supernatent Pump Station Outlet Flow			120V	0-3300 (/11)	Wall/Stand	E&I Contractor	E&I Contractor	OOOMIN	I100	WR-P0007	WB-A0453	WB-A0402	WR-E0401
0033		1 1-1XUZ4A	Tiow indicator transmitter	Supernaterit Furrip Station Outlet Flow			1201		wall/Stariu	Lai Contractor	Lar Contractor	Defeate DID for full installation	1100	WIX-F 0007	WD-A0433	WD-A0402	WIX-E0401
0834	3	PI-R024A	Pressure Indicator	Supernatent Pump Station Outlet Pressure				0-400 Kpa	Pipe	Mech Contractor	Mech Contractor	Refer to PID for full installation requirements	l112	WR-P0007		WB-M0464	
0835	0	SOL-DOMB	Solenoid Valve	Supernatent Pump Station Pump Control Valve Solenoid Operator					Valve	Mech Contractor	E&I Contractor			WR-P0007			
0836	0	LS-R100A	Level Switch	Washwater Recovery Tank WRTR100A Low Low Level			120V	6.2 mtrs from slab	Flange	E&I Contractor	E&I Contractor		l125	WR-P0002	WB-A0463	WB-A0406	WR-E0401
0837	0	LS-R100B	Level Switch	Washwater Recovery Tank WRTR100A Edw Edw Edwel Washwater Recovery Tank WRTR100A High High Level			120V	2.1 mtrs from slab	Flange	E&I Contractor	E&I Contractor		I125	WR-P0002	WB-A0463	WB-A0406	WR-E0401
	0	LT-R100D	Level Indicator Transmitter	Washwater Recovery Tank WRTR100A High High Level  Washwater Recovery Tank WRTR100A Level			120V	0-6 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I123	WR-P0002	WB-A0403	WB-A0400 WB-A0402	WR-E0401
0838		LE-R100D		· ·			1200	0-0 111115							WB-A0455 WB-A0455	WB-A0402	
0839	0		Level Element	Washwater Recovery Tank WRTR100A Level			1201/	0.4000NITH 0.50 ~//	Flange	E&I Contractor	E&I Contractor		I120	WR-P0002			WR-E0401
0840	0	LT-R100E	Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve			120V	0-4000NTU 0-50 g/l	Wall/ Stand	E&I Contractor	E&I Contractor	Concer augus and ad in tout	I160	WR-P0002	WB-A0462	WB-A0410	WR-E0122
0841	2	LE-R100E	Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve			4001/	(0 + 6 + 1)	In Liquid	E&I Contractor	E&I Contractor	Sensor suspended in tank	1160	WR-P0002	WB-A0462	WB-A0410	WR-E0122
0842	0	LS-R200A	Level Switch	Washwater Recovery Tank WRTR200A Low Low Level			120V	6.2 mtrs from slab	Flange	E&I Contractor	E&I Contractor		I125	WR-P0003	WB-A0463	WB-A0406	WR-E0401
0843	0	LS-R200B	Level Switch	Washwater Recovery Tank WRTR200A High High Level			120V	2.1 mtrs from slab	Flange	E&I Contractor	E&I Contractor		I125	WR-P0003	WB-A0463	WB-A0406	WR-E0401
0844	0	LT-R200D	Level Indicator Transmitter	Washwater Recovery Tank WRTR200A Level			120V	0-6 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WR-P0003	WB-A0455	WB-A0402	WR-E0401
0845	0	LE-R200D	Level Element	Washwater Recovery Tank WRTR200A Level			4001/	0.4000NTH.0.50. //	Flange	E&I Contractor	E&I Contractor		I120	WR-P0003	WB-A0455	WB-A0401	WR-E0401
0846	0	LT-R200E	Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve			120V	0-4000NTU 0-50 g/l	Wall/ Stand	E&I Contractor	E&I Contractor		1160	WR-P0003	WB-A0462	WB-A0410	WR-E0122
0847	2	LE-R200E	Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve					In Liquid	E&I Contractor	E&I Contractor	Sensor suspended in tank	1160	WR-P0003	WB-A0462	WB-A0410	WR-E0122
0848	0	LS-R300A	Level Switch	Washwater Recovery Tank WRTR300A Low Low Level			120V	6.2 mtrs from slab	Flange	E&I Contractor	E&I Contractor		I125	WR-P0004	WB-A0463	WB-A0406	WR-E0401
0849	0		Level Switch	Washwater Recovery Tank WRTR300A High High Level			120V	2.1 mtrs from slab	, ,	E&I Contractor	E&I Contractor		I125	WR-P0004	WB-A0463	WB-A0406	WR-E0401
0850	0	LT-R300D	Level Indicator Transmitter	Washwater Recovery Tank WRTR300A Level			120V	0-6 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WR-P0004	WB-A0455	WB-A0402	WR-E0401
0851	0		Level Element	Washwater Recovery Tank WRTR300A Level					Flange	E&I Contractor	E&I Contractor		I120	WR-P0004	WB-A0455	WB-A0401	WR-E0401
0852	0		Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve			120V	0-4000NTU 0-50 g/l	Wall/ Stand	E&I Contractor	E&I Contractor		I160	WR-P0004	WB-A0462	WB-A0410	WR-E0122
0853	2		Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve					In Liquid	E&I Contractor	E&I Contractor	Sensor suspended in tank	1160	WR-P0004	WB-A0462	WB-A0410	WR-E0122
0854	0		Level Switch	Washwater Recovery Tank WRTR400A Low Low Level			120V	6.2 mtrs from slab	Flange	E&I Contractor	E&I Contractor		I125	WR-P0005	WB-A0463	WB-A0406	WR-E0401
0855	0		Level Switch	Washwater Recovery Tank WRTR400A High High Level			120V	2.1 mtrs from slab	Flange	E&I Contractor	E&I Contractor		l125	WR-P0005	WB-A0463	WB-A0406	WR-E0401
0856	0	LT-R400D	Level Indicator Transmitter	Washwater Recovery Tank WRTR400A Level			120V	0-6 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WR-P0005	WB-A0455	WB-A0402	WR-E0401
0857	0		Level Element	Washwater Recovery Tank WRTR400A Level					Flange	E&I Contractor	E&I Contractor		l120	WR-P0005	WB-A0462	WB-A0410	WR-E0401
0858	0		Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve			120V	0-4000NTU 0-50 g/l	Wall/ Stand	E&I Contractor	E&I Contractor		I160	WR-P0005	WB-A0462	WB-A0410	WR-E0122
0859	2		Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve					In Liquid	E&I Contractor	E&I Contractor	Sensor suspended in tank	I160	WR-P0005	WB-A0462	WB-A0410	WR-E0122
0860	2	AE-R500B	TSS Analyser Sensor	Gravity Thickener GT500A TSS						E&I Contractor	E&I Contractor	Sensor suspended in tank	I160	WR-P0008			WR-E0401
0861	2	AT-R500B	TSS Analyser Indicator Transmitter	Gravity Thickener GT500A TSS						E&I Contractor	E&I Contractor		I160	WR-P0008			WR-E0401
0862	2	AE-R500C	Turbidity Analyser Sensor	Gravity Thickener GT500A Turbidity						E&I Contractor	E&I Contractor	Sensor suspended in tank	I160	WR-P0008			WR-E0401
0863	2	AT-R500C	Turbidity Analyser Indicator Transmitter	Gravity Thickener GT500A Turbidity						E&I Contractor	E&I Contractor		I160	WR-P0008			WR-E0401
0864	0	LS-R500A	Level Switch	Gravity Thickener GT500A High Level			120V	6.8 mtrs from bottom of tank	Bracket	E&I Contractor	E&I Contractor		I125	WR-P0008	WB-A0463	WB-A0406	WR-E0401
	1			<u> </u>	1				1	I	I	I	1	1			<u> </u>

RECORD	REV. No.	TAG NAME				POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION	
NO.			INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	ВУ	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0865	0	VS-R500A	Torque Switch	Gravity Thickener GT500A High Torque Switch						Mech Contractor	Mech Contractor			WR-P0008			WR-E0401
0866	2	AE-R600B	TSS Analyser Sensor	Gravity Thickener GT600A TSS						E&I Contractor	E&I Contractor	Sensor suspended in tank	I160	WR-P0008			WR-E0401
0867	2	AT-R600B	TSS Analyser Indicator Transmitter	Gravity Thickener GT600A TSS						E&I Contractor	E&I Contractor		l160	WR-P0008			WR-E0401
0868	2	AE-R600C	Turbidity Analyser Sensor	Gravity Thickener GT600A Turbidity						E&I Contractor	E&I Contractor	Sensor suspended in tank	I160	WR-P0008			WR-E0401
0869	2	AT-R600C	Turbidity Analyser Indicator Transmitter	Gravity Thickener GT600A Turbidity						E&I Contractor	E&I Contractor		1160	WR-P0008			WR-E0401
0870	0	LS-R600A	Level Switch	Gravity Thickener GT600A High Level			120V	6.8 mtrs from bottom of tank	Bracket	E&I Contractor	E&I Contractor		l125	WR-P0008	WB-A0463	WB-A0406	WR-E0401
0871	0	VS-R600A	Torque Switch	Gravity Thickener GT600A High Torque Switch						Mech Contractor	Mech Contractor			WR-P0008			WR-E0401
0872	0	LE-R710D	Level Element	Thickened Sludge Tank TKR710 Level						E&I Contractor	E&I Contractor		l120	WR-P0009	WB-A0455	WB-A0401	WR-E0401
0873	0	LT-R710D	Level Indicator Transmitter	Thickened Sludge Tank TKR710 Level			120V	0-8.3 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WR-P0009	WB-A0455	WB-A0402	WR-E0401
0874	0	LS-R710A	Level Switch	Thickened Sludge Tank TKR710 Low Low Leve			120V	1.4 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		l125	WR-P0009	WB-A0463	WB-A0406	WR-E0401
0875	0	LS-R710B	Level Switch	Thickened Sludge Tank TKR710 High High Leve			120V	8 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		l125	WR-P0009	WB-A0463	WB-A0406	WR-E0401
0876	0	LE-R720D	Level Element	Thickened Sludge Tank TKR720 Level						E&I Contractor	E&I Contractor		l120	WR-P0009	WB-A0455	WB-A0401	WR-E0401
0877	0	LT-R720D	Level Indicator Transmitter	Thickened Sludge Tank TKR720 Level			120V	0-8.3 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WR-P0009	WB-A0455	WB-A0402	WR-E0401
0878	0	LS-R720A	Level Switch	Thickened Sludge Tank TKR720 Low Low Leve			120V	1.4 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		l125	WR-P0009	WB-A0463	WB-A0406	WR-E0401
0879	0	LS-R720B	Level Switch	Thickened Sludge Tank TKR720 High High Leve			120V	8 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		l125	WR-P0009	WB-A0463	WB-A0406	WR-E0401
0880	3	AE-R730B	TSS Analyser Sensor	Thickened Sludge to Freeze Thaw Ponds TSS					Inline	E&I Contractor	E&I Contractor		I160	WR-P0009			WR-E0401
0881	3	AT-R730B	TSS Analyser Indicator Transmitter	Thickened Sludge to Freeze Thaw Ponds TSS					Wall/ Stand	E&I Contractor	E&I Contractor		1160	WR-P0009			WR-E0401
0882	3	FE-R730A	Flow Element	Thickened Sludge to Freeze Thaw Ponds Flow				0-1400 l/m	Flange	E&I Contractor	E&I Contractor	100 mm	I100	WR-P0009	WB-A0453	WB-A0453	WR-E0401
0883	3	FT-R730A	Flow Indicator Transmitter	Thickened Sludge to Freeze Thaw Ponds Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WR-P0009	WB-A0453	WB-A0402	WR-E0401
0884	3	PI-R730	Pressure Indicator	Thickened Sludge to Freeze Thaw Ponds Pressure				0-400Kpa	Pipe	Mech Contractor	Mech Contractor	Refer to PID for full installation requirements	l112	WR-P0009		WB-M0464	
0885	0	SOL-R730A	Solenoid Valve	Thickened Sludge to Freeze Thaw Ponds Pump Outlet Control Valve Solenoid Operator						Mech Contractor	E&I Contractor			WR-P0009			WR-E0401
0886	3	PT-I011B	Pressure Transmitter Indicator	Raw Water Main 1 Pressure			Loop Powered		Manifold	E&I Contractor	E&I Contractor		l111	WP-P0001	WB-A0465	WB-A0408	WA-E0102
0887	3	PT-I012B	Pressure Transmitter Indicator	Raw Water Main 2 Pressure			Loop Powered		Manifold	E&I Contractor	E&I Contractor		l111	WP-P0001	WB-A0465	WB-A0408	WA-E0102