							<u> </u>	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	IWIODEL	SUPPLY	RANGE	WOONTING	BY	ВҮ	COIVIIVIEINTS	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
	_																
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	LC C00FA	Conductivity Lovel Cuitch	Dalumas Caill Containm ant High Lough			1201/	/ mm from floor of containment	Drooket	E.O.I. Contractor	F.O.I. Contractor	To managers and liquid in containment	1107	WC D0007	WD ADAED	N1/A	WC F0112
0005	ı	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					
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-C020A	Level Switch	Titler Folymer Bulk Fowder Officauling Hopper Low			1200		JNIU	vendor Fackage	Mech. Contractor	r anei. Switch type to be confirmed	TDC	WC-F0003	TDC	TBC	WC-LUTTZ
												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	71	TBC	WC-P0005	TBC	TBC	WC-E0112
				, ,						3							
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
			<u> </u>														
0010	1	LS-C021A	Level Switch	Filter Polymer Preparation Tank High			120V		Bracket	Vendor Package	Mech. Contractor	Connected to PPU-C021 Local Panel	1126	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
												Connected to PCU-C030 Local					
0015	1	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	TBC	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
0010	1	WE-C030A	Load Cells	Sludge Polymer Bulk Powder Weight			1200		Skid	ű	Mech. Contractor	ranei. Switch type to be confirmed	TBC	WC-P0005	TBC	TBC	WC-E0112 WC-E0112
0017	'	WE-COSOA	Load Cells	Januage Folymer Bulk Fowder Weight					JNIU	Vendor Package	Mech. Contractor		TDC	WC-F0003	TBC	TBC	WC-LUTTZ
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
0010	-	*** 0000/1	Weight mulcutor Transmitter	Tolund Built Was Walgrit					Oitid	vendor i dekage	Ear Contractor	Commission to 1 00 0000 Edda 1 dinor	150	W 0 1 0000	150	120	WO 20112
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
										Ů							
0020	1	LS-C031B	Level Switch	Sludge Polymer Preparation Tank Low			120V		Bracket	Vendor Package	Mech. Contractor	Connected to PPU-C031 Local Panel	1126	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		1120	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	FT-C061A	Flow Indicator Transmitter	Filter Polymer Feed Pump P-C061A Discharge Flow			120V		Skid	Vendor Package	Mech. Contractor		I100	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	FI-C061A	Flow Indicator	Service Water to PC061A Discharge Flow			<u> </u>		Skid	Vendor Package	Mech. Contractor	Switch		WC-P0014			WC-E0112
0028	1	PI-C061A	Pressure Indicator	Filter Polymer Feed Pump PC061A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0014			WC-E0112
											l						
0029	1			Service Water to PC061A Discharge Flow Control Valve			120V		Skid	Vendor Package	Mech. Contractor			WC-P0014			WC-E0112
0030	1		Temperature Switch	Filter Polymer Feed Pump PC061A High Stator Temperature					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	M/D 40:==	1115 10:	WC-E0112
0032	1	FE-C062A	Flow Element	Filter Polymer Feed Pump P-C062A Discharge Flow					Skid	Vendor Package	Mech. Contractor	25mm	I100	WC-P0014	WB-A0453	WB-A0453	WC-E0112

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RECORD		TAG			MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE		1	SUPPLY	RANGE	10111	BY	BY		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0033	1	FT-C062A	Flow Indicator Transmitter	Filter Polymer Feed Pump P-C062A Discharge Flow		1.	20V		Skid	Vendor Package	Mech. Contractor		I100	WC-P0014	WB-A0453	WB-A0402	WC-E0112
0034	l	FS-C062A	Flow Switch	Service Water to PC062A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0014	WB-A0463		WC-E0112
0035	1	EL C042A	Flow Indicator	Canida Water to DC042A Disabarga Flour					Chid	Vandar Daakaga	Mach Contractor	Rotameter Complete With Low Flow		WC D0014			WC F0112
0035	1	FI-C062A	Flow Indicator	Service Water to PC062A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Switch	1110	WC-P0014			WC-E0112
0036	'	PI-C062A	Pressure Indicator	Filter Polymer Feed Pump PC062A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0014			WC-E0112
0037	1	SOL-0062A	Solenoid Valve	Service Water to PC062A Discharge Flow Control Valve		1	20V		Skid	Vendor Package	Mech. Contractor			WC-P0014			WC-E0112
0038	1	TS-C062A	Temperature Switch	Filter Polymer Feed Pump PC062A High Stator Temperature		''	201		Skid	Vendor Package Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0014			WC-E0112
0039	1 1	PS-C062A	Pressure Switch	Filter Polymer Feed Pump PC062A High Discharge Pressure					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0014			WC-E0112
0040	1 1	FE-C063A	Flow Element	Filter Polymer Feed Pump P-C063A Discharge Flow					Skid	Vendor Package	Mech. Contractor	25mm	I100	WC-P0014	WB-A0453	WB-A0453	WC-E0112
0041	1 1	FT-C063A	Flow Indicator Transmitter	Filter Polymer Feed Pump P-C063A Discharge Flow		11	20V		Skid	Vendor Package	Mech. Contractor	2011111	1100	WC-P0014	WB-A0453	WB-A0402	WC-E0112
0042	1 1	FS-C063A	Flow Switch	Service Water to PC063A Low Flow		l ''	201		Skid	Vendor Package	Mech. Contractor		1100	WC-P0014	WB-A0463	VID 710 102	WC-E0112
0012	- 1	10 000071	Tiow owner	Solvide Water to 1 Goods (Low 1 low					ONIG	Vendor i dekage	Ween. Contractor	Determeter Complete With Law Flow		W610011	VVB 710 100		110 20112
0043	1	FI-C063A	Flow Indicator	Service Water to PC063A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Rotameter Complete With Low Flow Switch		WC-P0014			WC-E0112
0044	1	PI-C063A	Pressure Indicator	Filter Polymer Feed Pump PC063A Discharge Pressure					Skid	Vendor Package	Mech. Contractor	1	l112	WC-P0014			WC-E0112
	1			g										1			
0045	1	SOL-C063A	Solenoid Valve	Service Water to PC063A Discharge Flow Control Valve		1:	20V		Skid	Vendor Package	Mech. Contractor			WC-P0014			WC-E0112
0046	1	TS-C063A	Temperature Switch	Filter Polymer Feed Pump PC063A High Stator Temperature					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0014			WC-E0112
0047	1	PS-C063A	Pressure Switch	Filter Polymer Feed Pump PC063A High Discharge Pressure					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0014			WC-E0112
0048	1		Flow Element	Sludge Polymer Feed Pump P-C071A Discharge Flow					Skid	Vendor Package	Mech. Contractor	25mm	I100	WC-P0015	WB-A0453	WB-A0453	WC-E0112
0049	1		Flow Indicator Transmitter	Sludge Polymer Feed Pump P-C071A Discharge Flow		1:	20V		Skid	Vendor Package	Mech. Contractor		I100	WC-P0015	WB-A0453	WB-A0402	WC-E0112
0050	1		Flow Switch	Service Water to PC071A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0015	WB-A0463		WC-E0112
									+	, ,		Rotameter Complete With Low Flow					
0051	1	FI-C071A	Flow Indicator	Service Water to PC071A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0015			WC-E0112
0052	1	PI-C071A	Pressure Indicator	Sludge Polymer Feed Pump PC071A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0015			WC-E0112
														+			
0053	1	SOL-C071A	Solenoid Valve	Service Water to P-C071A Discharge Flow Control Valve		1:	20V		Skid	Vendor Package	Mech. Contractor			WC-P0015			WC-E0112
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
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
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
0057	1	FT-C072A	Flow Indicator Transmitter	Sludge Polymer Feed Pump P-C072A Discharge Flow		1:	20V		Skid	Vendor Package	Mech. Contractor		I100	WC-P0015	WB-A0453	WB-A0402	WC-E0112
0058	1	FS-C072A	Flow Switch	Service Water to PC072A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0015	WB-A0463		WC-E0112
												Rotameter Complete With Low Flow					1
0059	1	FI-C072A	Flow Indicator	Service Water to PC072A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0015			WC-E0112
0060	1	PI-C072A	Pressure Indicator	Sludge Polymer Feed Pump PC072A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0015			WC-E0112
0061	1	SOL-C072A	Solenoid Valve	Service Water to P-C072A Discharge Flow Control Valve		1:	20V		Skid	Vendor Package	Mech. Contractor			WC-P0015			WC-E0112
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
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
0064	1	LE-C701A	Level Element	Filter Inlet Chamber (TK-C701A) Level					Flange	E&I Contractor	E&I Contractor		l120	WO-P0010	WB-A0455	WB-A0401	WO-M0121
0065	1	LT-C701A	Level Indicator Transmitter	Filter Inlet Chamber (TK-C701A) Level		1:	20V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WO-P0010	WB-A0455	WB-A0402	WO-M0121
0066	1	LE-C702A	Level Element	Filter Inlet Chamber (TK-C702A) Level					Flange	E&I Contractor	E&I Contractor		1120	WO-P0011	WB-A0455	WB-A0401	WO-M0121
0067	1	LT-C702A	Level Indicator Transmitter	Filter Inlet Chamber (TK-C702A) Level		1:	20V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		1120	WO-P0011	WB-A0455	WB-A0402	WO-M0121
0068	1		Conductivity Level Switch	Hydrogen Peroxide Spill Containment High Level		1:	20V	6mm from floor of containment		E&I Contractor	E&I Contractor	To measure any liquid in containment	1126	WC-P0001	WB-A0458	N/A	WC-E0112
0069	2	LE-C810A	Level Element	Hydrogen Peroxide Feed Tank TKC810A Level			0.014		Flange	E&I Contractor	E&I Contractor		1120	WC-P0001	WB-A0455	WB-A0401	WC-E0112
0070	2	LT-C810A	Level Indicator Transmitter	Hydrogen Peroxide Feed Tank TKC810A Level		1:	20V	0-4 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WC-P0001	WB-A0455	WB-A0402	WC-E0112
0071		11.00100	Domata Indiant-	Hudragen Descride Food Took TVCC104 Lavel		<u> </u>	oon Downson		Donol	Fol Contractor	Fol Control	Dort of local control I OD COCC		MC Dood			WC F0110
0071	2		Remote Indicator	Hydrogen Peroxide Feed Tank TKC810A Level		L	oop Powered			E&I Contractor	E&I Contractor	Part of local control panel LCP-C800	1404	WC-P0001		\\\D_A \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	WC-E0112
0072	2	IE-C810A	Temeperature Element	Hydrogen Peroxide Feed Tank TKC810A Temperature					Flange	E&I Contractor	E&I Contractor		I131	WC-P0001		WB-A0407	WC-E0112
0072	2	TT C0104	Temperature Indicator	Hydrogon Dorovido Food Tonk TVC0104 Tomografius					Moll/ Ctond	Egl Contractor	E91 Contractor	Domoto mounted inideator	1121	WC D0001	WD 404/F		WC F0112
0073		TT-C810A	Transmiter	Hydrogen Peroxide Feed Tank TKC810A Temperature					Wall/ Stand	E&I Contractor	E&I Contractor	Remote mounted inidcator	l131	WC-P0001	WB-A0465		WC-E0112

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		TAG			MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		ВҮ	BY		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		1120	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		l120	WC-P0001	WB-A0455	WB-A0402	WC-E0112
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		l131	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	l131	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	l102	WC-P0002	WB-A0456		WC-E0112
												Rotameter Complete With Low Flow					
0080	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	1	PI-C840A	Pressure Indicator	Hydrogen Peroxide Dosing Pump PC840A Outlet Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0002			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	l102	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	1	PI-C850A	Pressure Indicator	Hydrogen Peroxide Dosing Pump PC850A Outlet Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0002			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	1	PI-C860A	Pressure Indicator	Hydrogen Peroxide Dosing Pump PC860A Outlet Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0002			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		l120	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		1120	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	1102	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	1	PI-C950A	Pressure Indicator	Sodium Bisulphite Pump PC950A Outlet Pressure Indicator					Skid	Vendor Package	Mech. Contractor		l112	WC-P0004			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
												Compact 6mm Inline flow meter. Pre					
0101	1	FT-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
												Rotameter Complete With Low Flow					
0102	1	FI-C960A	Flow Indicator	Service Water to P-C960A Flow Indicator					Skid	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			WC-P0004	WB-A0463		WC-E0112
0104	1	PI-C960A	Pressure Indicator	Sodium Bisulphite Pump PC960A Outlet Pressure Indicator					Skid	Vendor Package	Mech. Contractor		l112	WC-P0004			WC-E0112
						1											1
0105	1	SOL-C960A	Solenoid Valve	Service Water to P-C960A Discharge Flow Control Valve	1				Skid	Mech. Contractor	Mech. Contractor			WC-P0004			WC-E0112
						1						Compact 6mm Inline flow meter. Pre					1
0106	1	FT-C970A	Flow Indicator Transmitter	Sodium Bisulphite Metering Pump P-C970A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	wired to local panel	I102	WC-P0004	WB-A0456		WC-E0112
									1			Rotameter Complete With Low Flow					†
0107	1	FI-C970A	Flow Indicator	Service Water to P-C970A Flow Indicator	1			1	Skid	Vendor Package	Mech. Contractor	Switch		WC-P0004			WC-E0112
				1	L		1	Ī.		1	1	L					

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
			INCTDUMENT TYPE		MANUFACTURER	MODEL			MOUNTING	;		COMMENTS					
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE	Clife	BY Vander Deckers	BY Mach Contractor	Wired to lead name	DATA SHEET		LOOP DIA.	DETAIL	DWG.
0108		FS-C970A	Flow Switch	Service Water to P-C970A Low Flow					Skid	Vendor Package	Mech. Contractor	Wired to local panel	1440	WC-P0004	WB-A0463		WC-E0112
0109	ı	PI-C970A	Pressure Indicator	Sodium Bisulphite Pump PC970 Outlet Pressure Indicator					Skid	Vendor Package	Mech. Contractor		l112	WC-P0004			WC-E0112
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	l126	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	1	PI-F010A	Pressure Indicator	Filter Air Scour Blower BLWF010A Outlet Air Pressure						Vendor Package	Mech. Contractor	Wired to local panel	l112	WF-P0010			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	l131	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	1	PI-F020A	Pressure Indicator	Filter Air Scour Blower BLWF020A Outlet Air Pressure						Vendor Package	Mech. Contractor	Wired to local panel	l112	WF-P0010			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	l131	WF-P0010	WB-A0465	WB-A0407	WF-E0134
0125	1	TT-F020C		Filter Air Scour Blower BLWF020A Bearing Temperature						Vendor Package	Mech. Contractor	Wired to MCC	l131	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	l110	WF-P0010	WB-A0465		WF-E0134
0130	1	TT-F030A		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		Level Indicator Transmitter	Filtered Water Chamber Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	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 Measuremen						E&I Contractor	E&I Contractor		l170	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	l170	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	FS-F056A	Flow Switch	Chlorine Contact Tank Outlet Free Chlorine Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0011			WF-E0103
0138	1		Level Indicator Transmitter	Filter No. 1 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0001	WB-A0455	WB-A0402	WF-E0133
0139	1	LE-F100A	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 Transmitter	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	1	PI-F100B	Differential Pressure Indicator	Top Filter Media Differential Pressure						Mech. Contractor	Mech. Contractor		I110	WF-P0001		WF-M0451	

							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	ВУ	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0142	1	PI-F100C	Differential Pressure Indicator	Bottom Filter Media Differential Pressure						Mech. Contractor	Mech. Contractor		I110	WF-P0001		WF-M0451	!
0143	2	FT-F103A	Flow Indicator Transmitter	Filter TKF100A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		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
												Analyzer assembly mounted on					
0145	2	AT-F110A	Turbidity Analyzer/ Transmitter	Filter TKF100A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	HDPE wall mounted panel	1162	WF-P0001	WB-A0459	WF-M0452	WF-E0103
								0-2500 particles with 2-50 micron									
0146	2	AT-F110B	Particle Counter Transmitter	Filter TKF100A Outlet Particle Count				threshold		E&I Contractor	E&I Contractor		l164	WF-P0001		WF-M0452	WF-E0103
												Rotameter Complete With Low Flow					
0147	1	FI-F110A	Flow Indicator	Filter TKF100A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0001		WF-M0452	WF-E0103
0148	1	FS-F110A	Flow Switch	Filter TKF100A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0001	WB-A0463	WF-M0452	WF-E0103
												Rotameter Complete With Low Flow					
0149	1	FI-F110B	Flow Indicator	Filter TKF100A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	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		1120	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														
0153	2	PT-F200A	Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		I110	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		l100	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
								0-2500 particles with 2-50 micron									
0157	2	AT-F210B	Particle Counter Transmitter	Filter TKF200A Outlet Particle Count				threshold		E&I Contractor	E&I Contractor		l164	WF-P0002		WF-M0452	WF-E0103
												Rotameter Complete With Low Flow					
0158	1	FI-F210A	Flow Indicator	Filter TKF200A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	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		1120	WF-P0003	WB-A0455	WB-A0401	WF-E0133
			Differential Pressure Indicator														
0164	2	PT-F300A	Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		I110	WF-P0003	WB-A0465	WF-M0451	WF-E0103
0165	2	FT-F303A	Flow Indicator Transmitter	Filter TKF300A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WF-P0003	WB-A0453	WB-A0402	WF-E0103
0166	2	FE-F303A	Flow Element	Filter TKF300A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	1100	WF-P0003	WB-A0453	WB-A0453	WF-M0402
												Analyzer assembly mounted on					+
0167	2	AT-F310A	Turbidity Analyzer/ Transmitter	Filter TKF300A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	HDPE wall mounted panel	l162	WF-P0003	WB-A0459	WB-A0459	WF-M0452
								0-2500 particles with 2-50 micron									†
0168	2	AT-F310B	Particle Counter Transmitter	Filter TKF300A Outlet Particle Count				threshold		E&I Contractor	E&I Contractor		l164	WF-P0003		WF-M0452	WF-E0103
												Rotameter Complete With Low Flow					+
0169	1	FI-F310A	Flow Indicator	Filter TKF300A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0003		WF-M0452	WF-E0103
0170	1	FS-F310A	Flow Switch	Filter TKF300A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0003	WB-A0463	WF-M0452	WF-E0103
						1				 	†	Rotameter Complete With Low Flow					
0171	1	FI-F310B	Flow Indicator	Filter TKF300A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0003		WF-M0452	WF-E0103
0172	1	FS-F310B	Flow Switch	Filter TKF300A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0003	WB-A0463	WF-M0452	WF-E0103
0173	1	LT-F400A	Level Indicator Transmitter	Filter No. 4 Level		 	120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0004	WB-A0455	WB-A0402	WF-E0133
0174	1	LE-F400A	Level Element	Filter No. 4 Level		 			Flange	E&I Contractor	E&I Contractor	<u> </u>	l120	WF-P0004	WB-A0455	WB-A0401	WF-E0133
	- 		Differential Pressure Indicator			 			 	 	+			 			+
0175	2	PT-F400A	Transmitter	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		FE-F403A	Flow Element	Filter TKF400A Outlet Flow		1			Flange	E&I Contractor	Mech. Contractor	600 mm	1100	WF-P0004	WB-A0453	WB-A0453	WF-M0403
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RECORD		TAG		DESCRIPTION I	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.
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		l164	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
				, , , , , , , , , , , , , , , , , , ,								Rotameter Complete With Low Flow					
0182	1		Flow Indicator	Filter TKF400A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	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	,	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					Flange	E&I Contractor	Mech. Contractor	600 mm	1100	WF-P0005	WB-A0453	WB-A0453	WF-M0403
0189	2	AT-F510A	Turbidity Analyzer/ Transmitter	Filter TKF500A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	l162	WF-P0005	WB-A0459	WB-A0459	WF-E0104
0190	2	AT-F510B	Particle Counter Transmitter	Filter TKF500A Outlet Particle Count				0-2500 particles with 2-50 micron 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			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		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		1120	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		Wall/Stand	E&I Contractor	E&I Contractor		1100	WF-P0006	WB-A0453	WB-A0402	WF-E0104
0199	2	FE-F603A	Flow Element	Filter TKF600A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	1100	WF-P0006	WB-A0453	WB-A0453	WF-M0403
0200	2	AT-F610A	Turbidity Analyzer/ Transmitter	Filter TKF600A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	l162	WF-P0006	WB-A0459	WB-A0459	WF-E0104
0201	2	AT-F610B	Particle Counter Transmitter	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		l120	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		l120	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		1164	WF-P0007		WF-M0452	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	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
												Rotameter Complete With Low Flow					
0213	1	FI-F710A	Flow Indicator	Filter TKF700A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0007		WF-M0452	WF-E0104
0214	1	FS-F710A	Flow Switch	Filter TKF700A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0007	WB-A0463	WF-M0452	WF-E0104
												Rotameter Complete With Low Flow					
0215	1	FI-F710B	Flow Indicator	Filter TKF700A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0007		WF-M0452	WF-E0104
0216	1	FS-F710B	Flow Switch	Filter TKF700A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0007	WB-A0463	WF-M0452	WF-E0104
0217	1	LT-F800A	Level Indicator Transmitter	Filter No. 8 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0008	WB-A0455	WB-A0402	WF-E0134
0218	1	LE-F800A	Level Element	Filter No. 8 Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0008	WB-A0455	WB-A0401	WF-E0134
			Differential Pressure Indicator					Ī									
0219	2	PT-F800A	Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor		l110	WF-P0008	WB-A0465	WF-M0451	WF-E0104
0000	1	DI EGGOD	Differential Decrease Indicates	Too Ellho Madia Differential December						Mark Cartestan	Mark Canturator		1110	WE DOOO		VA/E NAO 4E1	
0220	'	PI-F800B	Differential Pressure Indicator	Top Filter Media Differential Pressure						Mech. Contractor	Mech. Contractor		l110	WF-P0008		WF-M0451	
0221	1	PI-F800C	Differential Pressure Indicator	Bottom Filter Media Differential Pressure						Mech. Contractor	Mech. Contractor		l110	WF-P0008		WF-M0451	
	2	FT-F803A	Flow Indicator Transmitter	Filter TKF800A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		1110	WF-P0008	WB-A0453	WB-A0402	WF-E0104
0222			Flow Element	Filter TKF800A Outlet Flow			1200		Flange	E&I Contractor	Mech. Contractor	600 mm	1100	WF-P0008	WB-A0453	WB-A0402 WB-A0453	WF-M0404
0223	2	1 L-1 003A	I IOW LIGHTCH	Title TKI 600A Outlet Flow					i lariye	Lai Contractor	Wech. Contractor		1100	WI -F 0000	WD-A0433	WD-A0433	VVI -IVIU4U4
0224	2	AT-F810A	Turbidity Analyzer/ Transmitter	Filter TKF800A Outlet Turbidity				0-1 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	1162	WF-P0008	WB-A0459	WF-M0452	WF-E0104
0221	-	711 1 0 1071	Turbland Final Jeon Transmitter	The Fire coort outlet ruibland				0-2500 particles with 2-50 micron	Backboard	Edi Gonii doloi	Edi Gonilacio	Tibi E wan mounted parier	1102	*** 1 0000	WB 710107	W1 W0 102	WI 20101
0225	2	AT-F810B	Particle Counter Transmitter	Filter TKF800A Outlet Particle Count				threshold		E&I Contractor	E&I Contractor		1164	WF-P0008		WF-M0452	WF-E0104
												Rotameter Complete With Low Flow					+
0226	1	FI-F810A	Flow Indicator	Filter TKF800A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0008		WF-M0452	WF-E0104
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
	 										†	Rotameter Complete With Low Flow					+
0228	1	FI-F810B	Flow Indicator	Filter TKF800A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0008		WF-M0452	WF-E0104
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
											1						
			Pressure Indicator/Level									Flange mounted pressure transmiiter					
0230				Backwash Tank TNKF910A Level			Loop Powered	0-180 Kpa	Ů	E&I Contractor	E&I Contractor	measuring level in tank	l111	WF-P0009	WB-A0465	WB-A0408	WF-E0102
0231			Flow Indicator Transmitter	Filter Backwash Pump P-F911A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		l100	WF-P0009	WB-A0453	WB-A0402	WF-E0103
0232	2		Flow Element	Filter Backwash Pump P-F911A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	600 mm	l100	WF-P0009	WB-A0453	WB-A0453	WF-E0103
0233	1		Pressure Indicator	Filter Backwash Pump P-F911A Outlet Pressure						Mech. Contractor	Mech. Contractor		l112	WF-P0009			WF-E0103
0234	1	PS-F911A	Pressure Switch	Filter Backwash Pump P-F911A High Outlet Pressure						E&I Contractor	E&I Contractor	Wired to local panel	l115	WF-P0009			WF-E0103
0005	1	DT F011A	Pressure Indicator Transmitter	Filter Dealescele Down D F041A Outlet Deacease			Laan Dawaaad	0.100 //	Manife Id	Fol Control	Fal Control to		1111	WE DOOO	WD 404/F		WF-E0103
0235	1		Temperature Transmitter	Filter Backwash Pump P-F911A Outlet Pressure Filter Backwash Pump P-F911A Winding Temperature			Loop Powered	0-180 Kpa	Manifold	E&I Contractor Vendor Package	E&I Contractor	Mirad ta lagal nanal	l111	WF-P0009 WF-P0013	WB-A0465		WF-E0103
0236	1		Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						3	Mech. Contractor Mech. Contractor	Wired to local panel	I131	WF-P0013			
0237 0238	1	TT-F911C	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package Vendor Package	Mech. Contractor	Wired to local panel Wired to local panel	I131 I131	WF-P0013			WF-E0103 WF-E0103
0239	1	TT-F911D	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package Vendor Package	Mech. Contractor	Wired to local panel	1131	WF-P0013			WF-E0103
0240	1	TT-F911E	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package Vendor Package	Mech. Contractor	Wired to local panel	1131	WF-P0013			WF-E0103
0241	1	TT-F911F	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	1131	WF-P0013			WF-E0103
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
0243	1		Temperature Transmitter	Filter Backwash Pump P-F911A Back Bearing Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0103
			Temperature Indicator														
0244	1	TT-F911A		Filter Backwash Pump P-F911A Outlet Temperature						E&I Contractor	E&I Contractor		l131	WF-P0009			WF-E0103
0245	2	TE-F911A	Temperature Element	Filter Backwash Pump P-F911A Outlet Temperature				†	Thermowell	E&I Contractor	E&I Contractor	+	l131	WF-P0009			WF-E0103
0246	1	VT-F911A	Vibration Transmitter	Filter Backwash Pump P-F911A Vibration						Vendor Package	Mech. Contractor	Wired to local panel		WF-P0013			WF-E0103
										1	†						
			Pressure Indicator/Level								1	Flange mounted pressure transmiiter					
0247	2	PT-F920A	Transmitter	Backwash Tank TNKF920A Level			Loop Powered	0-180 Kpa	Flange	E&I Contractor	E&I Contractor	measuring level in tank	I120	WF-P0009	WB-A0465	WB-A0408	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
0250	1	PI-F921A	Pressure Indicator	Filter Backwash Pump P-F921A Outlet Pressure						Mech. Contractor	Mech. Contractor		l112	WF-P0009			WF-E0104

							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	BY	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
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		$\overline{}$	WF-E0104
												·					++
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	1	WF-E0104
0253	1	TT-F921A	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	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	I131	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	I131	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	I131	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	I131	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														\vdash
0261	1	TT-F921A	Transmitter	Filter Backwash Pump P-F921 Outlet Temperature						E&I Contractor	E&I Contractor		I131	WF-P0009		1	WF-E0104
0262	2	TE-F921A	Temperature Element	Filter Backwash Pump P-F921 Outlet Temperature					Thermowell	E&I Contractor	E&I Contractor		I131	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	I120	WF-P0012	WB-A0455	WB-A0401	WF-E0104
0265	0	LT-F980A	Level Indicator Transmitter	Backwash Area Process Sump Pump Level			120V	0-3 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	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	Level Indicator Transmitter	Backwash Area Process Sump Pump Level			120V	0-3 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WF-P0012	WB-A0455	WB-A0402	WF-E0104
0268	0	LS-F984A	Conductivity Level Switch	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	Conductivity Level Switch	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	Flow Switch	Sprinkler and Standpipes Fire Pump Outlet Flow						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	Flow Element	Fire Pump Test Line Flow						E&I Contractor	Mech. Contractor	200 mm	I100	WH-P0006			WM-E0112
0273	2	FT-H153A	Flow Indicator Transmitter	Fire Pump Test Line Flow					Wall/Stand	E&I Contractor	E&I Contractor		I100	WH-P0006	WB-A0465		WM-E0112
0274	1	LE-H400A	Level Element	Fire Pump Room Process Sump Level						E&I Contractor	E&I Contractor		1120	WH-P0007	WB-A0455	WB-A0401	WM-E0112
0275	1	LT-H400A	Level Indicator Transmitter	Fire Pump Room Process Sump Level			120V	0-2 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WH-P0007	WB-A0455	WB-A0402	WM-E0112
0276	1	LE-H400B	Level Element	Fire Pump Room Process Sump Level						E&I Contractor	E&I Contractor		l120	WH-P0007	WB-A0455	WB-A0401	WM-E0112
0277	1	LT-H400B	Level Indicator Transmitter	Fire Pump Room Process Sump Level			120V	0-2 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WH-P0007	WB-A0455	WB-A0402	WM-E0112
0278	1	LS-H500A	Level Switch	Fire Pump Room Sanitary Sump Low Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0001	WB-A0463	WB-A0406	WM-E0112
0279	1	LS-H500B	Level Switch	Fire Pump Room Sanitary Sump Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0001	WB-A0463	WB-A0406	WM-E0112
0280	1	LS-H500C	Level Switch	Fire Pump Room Sanitary Sump High High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0001	WB-A0463	WB-A0406	WM-E0112
0281	1	LS-H500D	Level Switch	Fire Pump Room Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0001	WB-A0463	WB-A0406	WM-E0112
0282	1	LS-H510A		Backwash Pump Gallery Sanitary Sump Low Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
0283	1	LS-H510B	Level Switch	Backwash Pump Gallery Sanitary Sump Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
0284	1			Backwash Pump Gallery Sanitary Sump High High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
0285	1			Backwash Pump Gallery Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
0286	1	LS-H520A	Level Switch	Elevator Pit Sanitary Sump Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0003	WB-A0463	WB-A0406	WA-E0102
0287	1	LS-H520B	Level Switch	Elevator Pit Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0003	WB-A0463	WB-A0406	WA-E0102
0288	1	LS-H530A	Level Switch	Admin Area Sanitary Sump Low Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0289	1			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	1			Admin Area Sanitary Sump High High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0291	1		Level Switch	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
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		Pressure Switch	Wet Air Receiver PV-H601B Low Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0294	1		Pressure Switch	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		Pressure Switch	Dry Air Receiver PV-H605A High Pressure						Mech. Contractor	Mech. Contractor			WH-P0008	WBA0463		WF-E0134
0297	1	PS-H605B	Pressure Switch	Dry Air Receiver PV-H605A Low Pressure						Mech. Contractor	Mech. Contractor			WH-P0008	WBA0463	-	WF-E0134

RECORD	DEV	TAC		DESCRIPTION				CALIBRATED		CHINDLIED	INCTALLED		CDEC	DelD	INCTDUMENT	INSTALLATION	LOCATION
	REV.	TAG			MANUFACTURER	MODEL	POWER		MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT		
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		ВҮ	ВҮ		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0200		DT 11701A	December 1 and 1 and 2 a	Datable Wester to Classical Ages December			Lana Damana	0.500 1/	Carra Maha	Fol Control	Ent Control to		1111	WILL DOODE	MD AOA/E		MA F0100
0298	'	PI-H/UIA	Pressure Indicator Transmitter	Potable Water to Clearwell Area Pressure			Loop Powered	0-500 Kpa	Gauge Valve	E&I Contractor	E&I Contractor		l111	WH-P0005	WB-A0465		WA-E0102
0200	1	DT 11704A	Droccure Indicator Transmitter	Potable Water to Water Treatment Plant Pressure			Loop Doworod	0-500 Kpa	Gauge Valve	E&I Contractor	E&I Contractor		l111	WH-P0005	WB-A0465		WA-E0102
0299	1			Raw Water Pumping Station Level			Loop Powered	· ·	, , ,		E&I Contractor			WI-P0003	WB-A0465 WB-A0455	WB-A0402	WI-E0102
0300	1	LT-I000A LE-I000A		Raw Water Pumping Station Level			120V	0-12 mtrs	Wall/ Stand	E&I Contractor E&I Contractor	E&I Contractor		l120 l120	WI-P0001	WB-A0455	WB-A0402 WB-A0401	WI-E0132 WI-E0132
0301	1	LE-1000A	Level Element	Raw Water Pumping Station Level					Flange	E&I Contractor	E&I Contractor		1120	WI-P0001 WI-P0002	WB-A0455 WB-A0455	WB-A0401	WI-E0132 WI-E0132
0302	1	LT-1000B		Raw Water Pumping Station Level			120V	0.12 mtrc	Flange Wall/ Stand				1120	WI-P0002 WI-P0002	WB-A0455 WB-A0455	WB-A0401 WB-A0402	WI-E0132 WI-E0132
0303	1	LS-1000B	Level Switch	Raw Water Pumping Station Level			120V 120V	0-12 mtrs 3 mtrs	Bracket	E&I Contractor E&I Contractor	E&I Contractor E&I Contractor	Measured from floor of well	1125	WI-P0002 WI-P0001	WB-A0453 WB-A0463	WB-A0402 WB-A0406	WI-E0132 WI-E0132
0304	1	LS-1000A	Level Switch	Raw Water Pumping Station Low Low Level			120V	3 mtrs	Bracket	E&I Contractor	E&I Contractor	Measured from floor of well	1125	WI-P0001	WB-A0463 WB-A0463	WB-A0406	WI-E0132
	1	LS-1000B	Level Switch	Raw Water Pumping Station Low Level			120V	12.4 mtrs	Bracket	E&I Contractor	E&I Contractor	Measured from floor of well	1125	WI-P0002 WI-P0001	WB-A0463 WB-A0463	WB-A0406	WI-E0132
0306	1	LS-1000C		Raw Water Pumping Station High High Level			120V 120V		Bracket		E&I Contractor	Measured from floor of well	1125	WI-P0001	WB-A0463	WB-A0406	WI-E0132 WI-E0132
0307	1	PI-I001A	Level Switch Pressure Indicator	Raw Water Pump P-1001A Outlet Pressure			1200	12.4 mtrs 0-200Kpa		E&I Contractor Mech. Contractor	Mech. Contractor	ivicasureu ironi noor or weir	I1123	WI-P0002 WI-P0001	WD-A0403	WB-A0400	WI-M0201
0308	1			Raw Water Pump P-1001A Outlet Pressure				,	Pipe		Mech. Contractor		I112 I112	WI-P0001		WB-A0404	WI-M0201
0309	1	PI-I001B ST-I001A	Speed Indicator Transmitter	Raw Water Pump P-1001A Speed Monitor			120\/	0-300Kpa	Pipe Motor	Mech. Contractor Supply Contractor	E&I Contractor		1112	WI-P0001		WD-A0404	WI-E0132
0310	1		·	Raw Water Pump P-1001A Top Bearing Temperature			120V					Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132 WI-E0132
0311	1	TE-I001A					24VDC		Motor	Supply Contractor	Supply Contractor	' '					
0312	1	TE-1001B		Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466 WB-A0466		WI-E0132
0313	1	TE-I001C	,	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003			WI-E0132
0314	1	TE-1001D	Temperature Element	Raw Water Pump P-1001A Winding Temperature Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor Fitted to pump Motor	1131	WI-P0003	WB-A0466 WB-A0466		WI-E0132
0315	1	TE-1001E	Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	' '	1131	WI-P0003	WB-A0466		WI-E0132 WI-E0132
0316	1	TE-1001F	Temperature Element				24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003			
0317	1	TE-I001G	,	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466 WB-A0466		WI-E0132
0318	1	TE-I001H	Temperature Element	Raw Water Pump P-1001A Bottom Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003			WI-E0132
0319	1	TE-I001I	,	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003	WB-A0466		WI-E0132
0320	1	TT-I001I TE-I001J	Temperature Transmitter Temperature Element	VSD Temperature Monitor			120V		Motor	Supply Contractor	Supply Contractor	Head mounted Fitted to VSD		WI-P0003			WI-E0132 WI-E0132
0321	2			VSD_Temperature Monitor VSD_Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor			WI-P0003 WI-P0003			WI-E0132 WI-E0132
0322		TT-I001J	Temperature Transmitter	V3D Temperature Monitor			120V			Supply Contractor	Supply Contractor	Head mounted		WI-P0003			WI-EU132
0323	1	VT 1001A	Vibration Indication Transmittor	Raw Water Pump P-1001A Vibration Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
0323	1	PI-I001A	Pressure Indicator	Raw Water Pump P-1001A Vibration Monitor			1200	0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor		l112	WI-P0003		WB-A0404	WI-M0201
0325	1	PI-I002R		Raw Water Pump P-1002A Outlet Pressure				0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor		1112	WI-P0001		WB-A0404	WI-M0201
0326	1	ST-1002B	Speed Indicator Transmitter	Raw Water Pump P1002 Speed Monitor			120V	0-300кра	Motor	Supply Contractor	E&I Contractor		1112	WI-P0003		WD-A0404	WI-E0132
0327	1	TE-I002A	Temperature Element	Raw Water Pump P-1002A Top Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132
0328	1		•	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	·	Raw Water Pump P-1002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0330	1	TE-I002D	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
0331	1	TE-1002E	•	Raw Water Pump P-I002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0331	1	TE-1002F		Raw Water Pump P-1002A Winding Temperature			24VDC 24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0332	1	TE-1002F		Raw Water Pump P-I002A Winding Temperature	 		24VDC 24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0334	1	TE-1002H		Raw Water Pump P-1002A Bottom Bearing Temperature	 	1	24VDC 24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0335	1	TE-100211	·	VSD Temperature Monitor			24VDC 24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD	1131	WI-P0003	VVD / 10400		WI-E0132
0336	2	TT-I002I		VSD Temperature Monitor			120V		IVIOLOI	Supply Contractor	Supply Contractor	Head mounted		WI-P0003			WI-E0132
0337	1	TE-1002J	·	VSD Temperature Monitor	 	1	24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003			WI-E0132
0337	2	TT-1002J	·	VSD Temperature Monitor			120V		Motor	Supply Contractor	Supply Contractor	Head mounted		WI-P0003			WI-E0132
,,,,,	-	10025	porataro rranomitto		 				+	- app.) Contiductor	Supply Contiductor						20102
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
0340	1	PI-I003A		Raw Water Pump P-1003A Outlet Pressure	-	1		0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor		l112	WI-P0002		WB-A0404	WI-M0201
0341	1	PI-I003/K		Raw Water Pump P-1003A Outlet Pressure				0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor		1112	WI-P0002		WB-A0404	WI-M0201
0342	1			Raw Water Pump P-1003A Speed Monitor	-	1	120V		Motor	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0343	1	TE-1003A	Temperature Element	Raw Water Pump P-1003A Top Bearing Temperature	-	1	24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0004	WB-A0466		WI-E0132
0344	1	TE-I003B		Raw Water Pump P-I003A Winding Temperature		-	24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0345	1	TE-I003C	•	Raw Water Pump P-I003A Winding Temperature	-	 	24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0070	'	. L 10030	remperature Element	Train trator i ump i 1000/t winding l'emperature			21100		IVIOLOI	Supply Somiación	Supply Contractor	i ittod to painp wotor	1131	VVI 1 0004	11D 70700		VVI LUIJZ

							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	ВУ	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0346	1	TE-I003D	Temperature Element	Raw Water Pump P-I003A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	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-I003F	Temperature Element	Raw Water Pump P-I003A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0349	1	TE-I003G	Temperature Element	Raw Water Pump P-I003A WindingTemperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0004	WB-A0466		WI-E0132
0350	1	TE-I003H	Temperature Element	Raw Water Pump P-I003A Bottom Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0351	1	TE-I003I	Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0004			WI-E0132
0352	2	TT-I003I	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	E&I Contractor	Head mounted		WI-P0004			WI-E0132
0353	1	TE-I003J	Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0004			WI-E0132
0354	2	TT-I003J	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	E&I Contractor	Head mounted		WI-P0004			WI-E0132
0355	1	VT-I003A	Vibration Indicator Transmitter	Raw Water Pump P-I003A Vibration Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0356	1	PI-I004A	Pressure Indicator	Raw Water Pump P-1004A Outlet Pressure				0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor		l112	WI-P0002	<u> </u>	WB-A0404	WI-M0201
0357	1	PI-I004B	Pressure Indicator	Raw Water Pump P-1004A Outlet Pressure				0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor		I112	WI-P0002		WB-A0404	WI-M0201
0358	1		Speed Indicator Transmitter	Raw Water Pump P-1004A Speed Monitor			120V	о состра	Motor	Supply Contractor	E&I Contractor			WI-P0004		115710101	WI-E0132
0359	1	TE-I004A	Temperature Element	Raw Water Pump P-I004A Top Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0360	1	TE-I004B	Temperature Element	Raw Water Pump P-1004A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0361	1	TE-I004C	Temperature Element	Raw Water Pump P-1004A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0362	1	TE-I004D	Temperature Element	Raw Water Pump P-I004A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0363	1	TE-I004E	Temperature Element	Raw Water Pump P-1004A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0364	1	TE-I004F	Temperature Element	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-I004G	Temperature Element	Raw Water Pump P-I004A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0366	1	TE-I004H	Temperature Element	Raw Water Pump P-1004A Bottom Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0004	WB-A0466		WI-E0132
0367	1	TE-I004I	Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0004			WI-E0132
0368	2	TT-I004I	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	E&I Contractor	Head mounted	1	WI-P0004	<u> </u>		WI-E0132
0369	1	TE-I004J	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
			'	'						113							+
0371	2	VT-I004A		Raw Water Pump P-I004A Vibration Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
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
0373	2	TE-I011A	Temperature Element	Train 1 Raw Water Temperature					Thermowell	E&I Contractor	E&I Contractor		I131	WP-P0001		WB-A0408	WA-E0102
			Temperature Indicator														
0374	2	TT-I012A	Transmitter	Train 2 Raw Water Temperature				0-30 C	Head	E&I Contractor	E&I Contractor		I131	WP-P0001	WB-A0465		WA-E0102
0375	2	TE-I012A	Temperature Element	Train 2 Raw Water Temperature					Thermowell	E&I Contractor	E&I Contractor		I131	WP-P0001		WB-A0408	WA-E0102
0376	1	PI-I013A	Pressure Indicator	Train 1 Flash Mixing Pump P-I013A Discharge Pressure Gauge					Pipe	Mech. Contractor	Mech. Contractor		I112	WP-P0001		WB-A0404	WP-M0208
				Common Standby Ferric Chloride Dosing Flash Mixing Pump P-I014A													
0377	0	PI-I014A	Pressure Indicator	Discharge Pressure Gauge					Pipe	Mech. Contractor	Mech. Contractor		I112	WP-P0001		WB-A0404	WP-M0208
0378	0	PI-I015A	Pressure Indicator	Train 2 Flash Mixing Pump P-I015A Discharge Pressure Gauge					Pipe	Mech. Contractor	Mech. Contractor		l112	WP-P0001		WB-A0404	WP-M0208
0379	2	FS-I017D	Flow Switch	Train 1 Ferric Chloride Dosing Flow Low					Pipe	E&I Contractor	E&I Contractor		I105	WP-P0001	WB-A0463		WA-E0102
0380	2	FS-I018D		Train 2 Ferric Chlroride Dosing Flow Low					Pipe	E&I Contractor	E&I Contractor		I105	WP-P0001	WB-A0463		WA-E0102
0381	2		Flow Switch	Train 1 Sulphuric Acid Dosing Flow Low					Pipe	E&I Contractor	E&I Contractor		I105	WP-P0001	WB-A0463		WA-E0102
0382	2	FS-I023E	Flow Switch	Train 2 Sulfphuric Acid Dosing Flow Low					Pipe	E&I Contractor	E&I Contractor		I105	WP-P0001	WB-A0463		WA-E0102
0383	1	ΔF-I024R	pH Element	Raw Water pH					Backboard	E&I Contractor	E&I Contractor	Analytical instruments shall be mounted on backboards	l165	WP-P0001		WB-A0409	WA-E0102
0384	1		pH Indicator Transmitter	Raw Water pH	-				Backboard	E&I Contractor	E&I Contractor	samoa on buonbourds	1165	WP-P0001		WB-A0407	WA-E0102
5501	-	.11 10270	p	тако рт					Duoixboara		- ai confidetoi	Rotameter Complete With Low Flow		*** 1 0001		112/1040/	**** E0102
0385	1	FI-I024B	Sample Flow Indicator	Raw Water pH Sample Flow	1				Backboard	E&I Contractor	E&I Contractor	Switch		WP-P0001		WB-A0409	
0386	1	FS-I024B	Flow Switch	Raw Water pH Low Sample Flow					Backboard	E&I Contractor	E&I Contractor	· ·	I105	WP-P0001	WB-A0463	WB-A0409	WP-M0214
0387	0		pH Indicator Transmitter	Train 1 Post Flash Mixer Raw Water pH	 				Backboard	E&I Contractor	E&I Contractor		1165	WP-P0001			WA-E0102
0388	0		pH Element	Train 1 Post Flash Mixer Raw Water pH	 				Backboard	E&I Contractor	E&I Contractor	+	I165	WP-P0001			WA-E0102
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RECORD RE	EV.	TAG		DESCRIPTION			2011/22										
				DESCRIPTION	MANUEACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO. No	lo.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	ВУ	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
												Rotameter Complete With Low Flow					
0389	0	FI-I025B	Sample Flow Indicator	Train 1 Post Flash Mixer Raw Water pH Sample Flow					Backboard	E&I Contractor	E&I Contractor	Switch		WP-P0001			
0390 1	1	FS-I025B	Flow Switch	Train 1 Post Flash Mixer Raw Water pH Low Sample Flow					Backboard	E&I Contractor	E&I Contractor		I105	WP-P0001	WB-A0463		WA-E0102
0391 1	1 .	AT-I026B	pH Indicator Transmitter	Train 2 Post Flash Mixer Raw Water pH					Backboard	E&I Contractor	E&I Contractor		I165	WP-P0001	WB-A0460	WB-A0409	WP-M0111
0392 1	1	AE-I026B	pH Element	Train 2 Post Flash Mixer Raw Water pH					Backboard	E&I Contractor	E&I Contractor		l165	WP-P0001		WB-A0409	WP-M0111
												Rotameter Complete With Low Flow					
			'	Train 2 Post Flash Mixer Raw Water pH Low Sample Flow					Backboard	E&I Contractor	E&I Contractor	Switch		WP-P0001			
0394 1	1	FS-I026B	Flow Switch	Train 2 Post Flash Mixer Raw Water pH Sample Flow					Backboard	E&I Contractor	E&I Contractor		I105	WP-P0001	WB-A0463		WP-M0111
0395 2	2	AT-I027B	Turbidity Analyzer/ Transmitter	Raw Water Turbidity				0-5 NTU	Backboard	E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel	l162	WP-P0001	WB-A0459	WB-A0409	WP-M0111
0007			, ,	Raw Water Turbidity				0-3 141 0	Backboard	E&I Contractor	E&I Contractor	TIDE E wall mounted panel	1102	WP-P0001	WB-A0459 WB-A0460	WB-A0409	WP-M0111
0396		AL-1027D	Turbluity Liement	Naw Water Furbidity					Dackboard	Lai Contractor	Lar Contractor	Determine Consolete With Law Flow		WF -F 0001	WD-A0400	WD-A0409	VVF -IVIOTIT
0397	0	FI-I027B	Sample Flow Indicator	Raw Water Turbidity Sample Flow					Backboard	E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WP-P0001		WB-A0409	
0398 2			'	Raw Water Turbidity Low Sample Flow					Backboard	E&I Contractor	E&I Contractor		1105	WP-P0001	WB-A0463	WB-A0409	WP-M0214
0399 2				Re- circ pump P-J701A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	100mm	1100	WF-P0014	WB-A0453	WB-A0453	WF-E0103
0400 2				Re- circ pump P-J701A Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		1100	WF-P0014	WB-A0453	WB-A0402	WF-E0103
0401 2				Re- circ pump P-J702A Outlet Flow					Flange	E&I Contractor	Mech. Contractor	100mm	1100	WF-P0014	WB-A0453	WB-A0453	WF-E0103
0402 2		FT-J702A		Re- circ pump P-J702A Outlet Flow		-	120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WF-P0014	WB-A0453	WB-A0402	WF-E0103
			Level Element	Liquid Oxygen Storage Tank #1 Level			1201		vvaii/Otaria	Supply Contractor	Supply Contractor		1100	WO-P0001	110 710 100	VVB 710 102	TBC
				Liquid Oxygen Storage Tank #1 Level				TBC	Wall/ Stand	Supply Contractor	Supply Contractor			WO-P0001	WB-A0465		TBC
0405 1				Liquid Oxygen Storage Tank #1 Level Low			120V	150	TBC	Supply Contractor	Supply Contractor			WO-P0001	110 710 100		TBC
0 100		20 0010/1	Edvoi Owitori	Equit Oxygen Otorago Tank # 1 Eover Eow			1201		150	очры оничены	очррну обличеног			W6 1 0001			150
0406 1	1 F	PT-0010A	Pressure Indicator Transmitter	Liquid Oxygen Storage Tank #1 Pressure		l	Loop Powered	TBC		Supply Contractor	Mech. Contractor		l111	WO-P0001	WB-A0465		TBC
0407 1			Pressure Switch	Liquid Oxygen Storage Tank #1 Pressure High						Supply Contractor	Mech. Contractor		I115	WO-P0001			TBC
0408 1				Liquid Oxygen Storage Tank Outlet Presuure					+	Supply Contractor	Mech. Contractor		I112	WO-P0001			TBC
0409 1				Liquid Oxygen Tank Oxygen Temperature					+	Supply Contractor	Mech. Contractor		I131	WO-P0001			TBC
	-		Temperature Indicator						+								+
0410 1	1 7	TT-O012A	'	Liquid Oxygen Tank Oxygen Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0001	WB-A0465		TBC
																	
0411 1	1 F	PT-0015A	Pressure Indicator Transmitter	Liquid Oxygen Storage Tank Outlet Pressure		l	Loop Powered	TBC		Supply Contractor	Mech. Contractor		l111	WO-P0001	WB-A0465		TBC
0412 C	0 I	LE-O020A	Level Element	Liquid Oxygen Storage Tank #2 Level						Supply Contractor	Supply Contractor			WO-P0002			TBC
0413 C	0 I	LT-0020A	Level Indicator Transmitter	Liquid Oxygen Storage Tank #2 Level				TBC	Wall/ Stand	Supply Contractor	Supply Contractor			WO-P0002	WB-A0465		TBC
0414 1	1 L	LS-0020A	Level Switch	Liquid Oxygen Storage Tank #2 Level Low		-	120V		TBC	Supply Contractor	Supply Contractor			WO-P0002			TBC
	_																+
0415 1	1 F	PT-0020A	Pressure Indicator Transmitter	Liquid Oxygen Storage Tank #2 Pressure		l	Loop Powered	TBC		Supply Contractor	Mech. Contractor		l111	WO-P0002	WB-A0465		TBC
0416 2	2 F	PS-0020A	Pressure Switch	Liquid Oxygen Storage Tank #2 Pressure High						Supply Contractor	Mech. Contractor		I115	WO-P0002			TBC
																	1
0417 2	2 F	PT-0030A	Pressure Indicator Transmitter	Liquid Oxygen Particle Filter GFO030A Differential Pressure		l	Loop Powered	13 Kpa	Manifold	Supply Contractor	E&I Contractor		l111	WO-P0003	WB-A0465	WB-A0404	WO-E0132
0418 2				Liquid Oxygen Particle Filter GF0031A Differential Pressure		l	Loop Powered	13 Kpa	Manifold	Supply Contractor	E&I Contractor		I111	WO-P0003	WB-A0465	WB-A0404	WO-E0132
0419 2			-	Liquid Oxygen to Ozone Generators Dewpoint Analyzer						Supply Contractor	E&I Contractor			WO-P0003			WO-E0132
0420 1			ř	Liquid Oxygen to Ozone Generators Dewpoint Analyzer						Supply Contractor	E&I Contractor			WO-P0003	WB-A0465		WO-E0132
0421 1				Liquid Oxygen to Ozone Generators Pressure Indicator						Supply Contractor	Mech. Contractor		l112	WO-P0003			
0422 2			Pressure Indicator	Nitrogen Boost Air Receiver Pressure					Skid	Supply Contractor	Mech. Contractor		I112	WO-P0004			
0423 2			Pressure Switch	Nitrogen Boost Air Receiver Pressure Switch High					Skid	Supply Contractor	Mech. Contractor		I115	WO-P0004			WC-E0131
0424 1				Nitrogen Boost Unit to Ozone Generator Dewpoint						Supply Contractor	E&I Contractor			WO-P0004			WC-E0131
0425 1			-	Nitrogen Boost Unit to Ozone Generator Dewpoint						Supply Contractor	E&I Contractor			WO-P0004	WB-A0465		WC-E0131
0426 1			Flow Indicator	Nitrogen Boost Unit to Ozone Generators Flow						Supply Contractor	Mech. Contractor			WO-P0004			WC-E0131
0427 1	1 F	FS-0051A	Flow Switch	Nitrogen Boost Unit to Ozone Generators Low Flow						Supply Contractor	Mech. Contractor	Part of flow indicator		WO-P0004			WC-E0131
0428 1	1	PI-0051A	Pressure Indicator	Nitrogen Boost Unit to Ozone Generators Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0004			WO-M0401
0429 1	1 <i>A</i>	AE-O110A	Gas Sensor	Ambient Ozone Gas						Supply Contractor	E&I Contractor			WO-P0005			WO-E0132

RECORD	DEV	TAG		DESCRIPTION			POWER	STRUMENT 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.	NO.	IVAIVIL	INSTRUMENT TIFE	SERVICE			SUFFLI	KANGL		ы	DI		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
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
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-Ω110Δ	Pressure Indicator Transmitter	Liquid Oxygen to Ozone Generator GEN-0110A Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		l111	WO-P0005	WB-A0465	WB-A0404	WO-E0132
0433	2		Temperature Element	Liquid Oxygen to Ozone Generator GEN-O110A Tressaire			Loop i owcicu	0-200 Κρα	Gauge valve	Supply Contractor Supply Contractor	E&I Contractor		I131	WO-P0005	WD-70403	WD-A0404	WO-E0132
	-	12 0 110/1	Temperature Indicator	Endand Oxygen to George Control of the Control of t						очьь, оставия	24. 0011.140101						
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
0.400	0	DT 0.444.4		Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-				0.400.1/	CI : IMA : 'C I I				lada	WO B0047	MD 404/5		WO 50100
0438			Pressure Indicator Transmitter Analyser Element	0410 Inlet Pressure Ozone Generator GEN-0110A Outlet Ozone Gas			Loop Powered	0-400 Kpa	Skid/Manifold	Supply Contractor	Supply Contractor E&I Contractor		l111	WO-P0016 WO-P0005	WB-A0465		WO-E0132 WO-E0132
0439	'	AE-UTIZA	Analysei Element	Ozone Generator Gen-OTTOA Outlet Ozone Gas						Supply Contractor	EAI COIIII ACIOI			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-O112A	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			Ozone Generator GEN-O110A Outlet Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		l111	WO-P0005	WB-A0465	WB-A0404	WO-E0132
0444	2	TE-O112A	Temperature Element	Ozone Generator GEN-0110A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0005			WO-E0132
0445	2	TT-O112A	Temperature Indicator Transmitter	Ozone Generator GEN-0110A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0005	WB-A0465		WO-E0132
0446			Gas Sensor	Ambient Ozone Gas						Supply Contractor	E&I Contractor		1101	WO-P0006	WB NOTOS		WO-E0132
										1,7							
0447	1	AT-O130A	Gas Level Indicator Transmitter	Ambient Ozone Gas Level						Supply Contractor	E&I Contractor			WO-P0006	WB-A0465		WO-E0132
0448	1	AE-O130B	Gas Sensor	Ambient Oxygen Gas						Supply Contractor	E&I Contractor			WO-P0006			WO-E0132
0.440		A.T. O.4.0.0.D	0 1 11 11 1 7 11												1115 10115		o 50400
0449	1	A1-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				Liquid Oxygen to Ozone Generator GEN-O130A Temperature			2000 1 0110104	0 200 Npd	Guago vaivo	Supply Contractor	E&I Contractor		I131	WO-P0006		113710101	WO-E0132
0452				Liquid Oxygen to Ozone Generator GEN-O130A Temperature						Supply Contractor			I131	WO-P0006	WB-A0465		WO-E0132
0453			Level Switch	Ozone Generator GEN-O130A Inlet Side High Level Switch			120V		Skid	Supply Contractor	Supply Contractor			WO-P0006			WO-E0132
0454	1	LS-0130B	Level Switch	Ozone Generator GEN-O130A Outlet Side High Level Switch			120V		Skid	Supply Contractor	Supply Contractor			WO-P0006			WO-E0132
				Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-													
0455				0420A Inlet Pressure			Loop Powered	0-400 Kpa	Skid/Manifold	Supply Contractor	Supply Contractor		l111	WO-P0017	WB-A0465		WO-E0132
0456	2	AE-0132A	Analyser Element	Ozone Generator GEN-0130A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0006			WO-E0132
0457	2	AT-O132A	Analyser Indicator Transmitter	Ozone Generator GEN-0130A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0006	WB-A0465		WO-E0132
0458			Flow Element	Ozone Generator GEN-O130A Flow					Spool piece	Supply Contractor		50 mm	I101	WO-P0006			WO-E0132
0459			Flow Indicator Transmitter	Ozone Generator GEN-O130A Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		I101	WO-P0006	WB-A0454		WO-E0132
0460				Ozone Generator GEN-O130A Outlet Pressure			Loop Powered	0-206 Kpa	Gauge Valve		E&I Contractor		l111	WO-P0006	WB-A0465	WB-A0404	WO-E0132
0461	2		Temperature Element	Ozone Generator GEN-0130A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0006			WO-E0132
0462	,	TT-O132A	Temperature Indicator	Ozone Generator GEN-O130A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0006	WB-A0465		WO-E0132
0463		AE-O150A		Ambient Ozone Gas						Supply Contractor	E&I Contractor		1131	WO-P0006 WO-P0007	WD-A0400		WO-E0132
5 103	-	. IL 0100A	545 5611561							Supply Contractor	_ar contractor		+	*****			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

							IN	STRUMENT INDEX									
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.
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		I111	WO-P0007	WB-A0465	WB-A0404	WO-M0204
0466	2	TE-0150A	Temperature Element	Liquid Oxygen to Ozone Generator GEN-O150A Temperature						Supply Contractor	E&I Contractor		l131	WO-P0007			WO-M0204
0467	2	TT-O150A	Temperature Transmitter	Liquid Oxygen to Ozone Generator GEN-O150A Temperature						Supply Contractor	E&I Contractor		l131	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-0150A 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-													_
0470	2	PT-O431A	Pressure Indicator Transmitter	0430A Inlet Pressure			Loop Powered	0-400 Kpa	Skid/Manifold	Supply Contractor	Supply Contractor		l111	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-O152A	Flow Indicator Transmitter	Ozone Generator GEN-O150A Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		I101	WO-P0007	WB-A0454		WO-E0132
0475	2			Ozone Generator GEN-O150A Outlet Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	E&I Contractor		l111	WO-P0007	WB-A0465	WB-A0404	WO-E0132
0476	2	TE-O152A	Temperature Element	Ozone Generator GEN-O150A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0007			WO-E0132
			Temperature Indicator														
0477	2		Transmitter	Ozone Generator GEN-O150A Outlet Temperature						Supply Contractor	E&I Contractor		l131	WO-P0007	WB-A0465		WO-E0132
0478	1	FE-O216A		Ozone Injection Line to Ozone Contactor #1 Flow					Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0008			WO-E0132
0479	1	FT-O216A		Ozone Injection Line to Ozone Contactor #1 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		I101	WO-P0008	WB-A0454		WO-E0132
0480	1	FE-O217A	Flow Element	Ozone Injection Line to Ozone Contactor #1 Flow					Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0008			WO-E0132
0481	1	FT-O217A	Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #1 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		l101	WO-P0008	WB-A0454		WO-E0132
0482	1	FE-O218A	Flow Element	Ozone Injection Line to Ozone Contactor #1 Flow					Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0008			WO-E0132
0483	1	FT-O218A	Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #1 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		l101	WO-P0008	WB-A0454		WO-E0132
0484	1	AE-O221A	Analyser Element	Sample Element SE-0210A Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0405	1	AT 0221A	Analyses Indicator Transmitter	Comple Florent CF 02104 Dissolved Orone Comple Analyses					Donal	Cumply Controptor	E 0.1 Contractor			WO D0022	WD 404/F		WD F0122
0485	1		,	Sample Element SE-0210A Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022	WB-A0465		WR-E0122
0486	ı	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-O226A	Analyser Element	Sample Element SE-0210B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0489	1	AT-O226A	,	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-O236A	Flow Element	Ozone Injection Line to Ozone Contactor #2 Flow					Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0009			WO-E0132
0493	1	FT-O236A	Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #2 Flow			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					Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0009			WO-E0132
0495	1	FT-O237A	Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #2 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		I101	WO-P0009	WB-A0454		WO-E0132
0496	1	FE-O238A	Flow Element	Ozone Injection Line to Ozone Contactor #2 Flow					Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0009			WO-E0132
0497	1	FT-0238A	Flow Indicator Transmitter	Ozone Injection Line to Ozone Contactor #2 Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		I101	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-0241A	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		E&I Contractor			WO-P0023			WC-E0112

RECORD	RFV	TAG		DESCRIPTION			POWER	STRUMENT 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.	NO.	TOTAL	INSTROMENT THE	SERVICE			301111	IVIIOE		51	ы		DATA SHEET	Diowino	LOOI DIA.	DETAIL	DWG.
0502	1	AE-0246A	Analyser Element	Sample Element SE-0230B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
0503	1	AT-O246A	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	FI-O246A	Flow Indicator	Sample Element SE-0230B Dissolved Ozone Sample Flow					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
				<u> </u>						,							
0505	1	FS-0246A	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-0310A Flow					Skid	Supply Contractor	Supply Contractor			WO-P0019			WO-M0205
0507	1	TS-O310A	Temperature Switch	Electrolyser Power Supply Unit PSU-0310A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0019			WO-E0132
0508	1		Position Switch	Electrolyser Power Supply Unit PSU-0310A 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-0320A Flow					Skid	Supply Contractor	Supply Contractor			WO-P0020			WO-M0205
0510	1	TS-O320A	Temperature Switch	Electrolyser Power Supply Unit PSU-0320A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0020			WO-E0132
0511	1	ZS-0320A	Position Switch	Electrolyser Power Supply Unit PSU-O320A Door Switch					Skid	Supply Contractor	Supply Contractor			WO-P0020			WO-E0132
0E12	1	FI-O330A	Flow Indicator	Open Lean Cooling Water to Douger Cumply Light DCLL 0220A Flow					Skid	Supply Contractor	Cumply Contractor			WO-P0021			WO-M0205
0512	'	FI-O330A	Flow Indicator	Open Loop Cooling Water to Power Supply Unit PSU-0330A Flow					SKIU	Supply Contractor	Supply Contractor			WO-P0021			WO-W0203
0513	1	TS-O330A	Temperature Switch	Electrolyser Power Supply Unit PSU-O330A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0021			WO-E0132
0514	1	ZS-0330A	Position Switch	Electrolyser Power Supply Unit PSU-O330A Door Switch					Skid	Supply Contractor	Supply Contractor			WO-P0021			WO-E0132
0515	1	AE-O404A	Analyser Element	Open Loop Cooling Water Turbidity					Panel	E&I Contractor	E&I Contractor			WO-P0015			WO-E0132
0516	1	AT-O404A	Analyzer Indicator Transmitter	Open Loop Cooling Water Turbidity					Panel	E&I Contractor	E&I Contractor			WO-P0015	WB-A0465		WO-E0132
0517	1	FI-O404A	Variable Area Flowmeter	Open Loop Cooling Water to Turbidity Analyzer Flow					Panel	E&I Contractor	E&I Contractor			WO-P0015	WD 710403		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
0519	2		Flow Element	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Flow							Supply Contractor	75 mm	l100	WO-P0016	WB-A0453	WB-A0453	WO-E0132
0500		FT 04404	E				4001/		0111		0 10 1		1400	WO D0047	MD 404/5		WO 50100
0520	2	F1-0410A	Flow Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Flow			120V		Skid	Supply Contractor	Supply Contractor		I100	WO-P0016	WB-A0465		WO-E0132
0521	2	PI-O410A	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016			
0522	2	PI-O410B	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O410A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016			
0523	2	TF-O410A	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016			WO-E0132
	_		Temperature Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet													
0524	2	TT-O410A	Transmitter	Temperature Open Loop Cooling Water to Heat Exchanger HEX-O410A Outlet					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016	WB-A0465		WO-E0132
0525	2	TE-O410B	Temperature Element	Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0016			WO-E0132
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	CE-O411A	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		Flow Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Inlet Flow						Supply Contractor	Supply Contractor	75 mm Rotary Flowmeter		WO-P0016			WO-E0132
0530	1		Flow Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Inlet Flow			120V		†	Supply Contractor	Supply Contractor	,		WO-P0016	WB-A0465		WO-E0132
	\vdash	. 1 0 1117	maioator riunsimitoi	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-					Olid	Supply Contiductor	Cappi) Continuctor		+	***************************************	VID / (0400		110 20102
0531	2	PI-0411A	Pressure Indicator	0410A Pump Outlet Pressure					Skid	Supply Contractor	Supply Contractor		I112	WO-P0016			

RECORD	REV.	TAG		DESCRIPTION			POWER	STRUMENT INDEX 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.
0532	2	PI-O411B	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016			\Box
0533	2		Solenoid Actuator	Ozone Generator Closed Loop Cooling Water De-Ionized Water to Heat Exchanger HEX-0410A						Supply Contractor	Supply Contractor		1112	WO-P0016			WO-E0132
0534			Temperature Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Inlet Temperature						Supply Contractor	Supply Contractor		l131	WO-P0016			WO-E0132
0535			Temperature Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0410 Inlet Temperature					†	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						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						Supply Contractor	Supply Contractor		l131	WO-P0016	WB-A0465		WO-E0132
0538	2	PI-O411C	Pressure Indicator	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0410A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0016			
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		I100	WO-P0017	WB-A0465		WO-E0132
0541	2	PI-O420A	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0017			
0542	2	PI-O420B	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O420A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0017			
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		l131	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	2	PI-O421A	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Pump Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0017			
0552	2	PI-O421B	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0017			
0553	2	SOL-O421A	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-O421A	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 Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEA-					Skid	Supply Contractor	Supply Contractor		l131	WO-P0017			WO-E0132
0557	2	TT-O421B	•	0420A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0017	WB-A0465		WO-E0132
0558	2	PI-O421C	Pressure Indicator	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0420A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		I112	WO-P0017			

RECORD	REV.	TAG		DESCRIPTION			POWER	STRUMENT INDEX 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.
0559	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	2	PI-O430A	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-0430A Inlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018			
25.40		D. O. 100 D		Open Loop Cooling Water to Heat Exchanger HEX-O430A Outlet					2111				1440	1110 00010			
0562	2	PI-O430B	Pressure Indicator	Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018			
0563	2	TE-O430A	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Temperature					Skid	Supply Contractor	Supply Contractor		I131	WO-P0018			WO-E0132
0564	2	TT-O430A	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-0430A 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		I131	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-0431A	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
0307		OL OHIIN	Conductivity Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-					Sidu	Зарргу солическог	Зарріў Сопітастої			WO 1 0010			WO E0132
0568	2	CT-O431A	Transmitter	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	2	PI-∩431A	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Pump Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018			
0071		1101017	1 1035dro maioator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-					Olid	очры останова	очррну сописског		1112	11010010			
0572	2	PI-O431B	Pressure Indicator	0430A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018			
0573	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
0575	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
0576	2	TF-0//31R	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
0370	2	1E-0431B	Temperature Indicator	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX-					Skiu	Зарргу Соптастог	Зирріу Сопітастої		1131	WO-1 0010			WO-E0132
0577	2	TT-O431B		0430A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0018	WB-A0465		WO-E0132
0578	2	PI-0421C	Pressure Indicator	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0420A Outlet Pressure					Skid	Supply Contractor	Supply Contractor		l112	WO-P0018			
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
0500	2	DT OF01D	Pressure Indicator Transmitter	Ozone Contactor #1 to Ozone Destruct Units Demister Differential			Loop Doworod	0-1.25 Kpa	Manifold		E&I Contractor		1111	WO-P0012	WB-A0465		WO-E0132
0580 0581	2		Gas Sensor	Pressure Ozone Contactor #2 to Ozone Destruct Analyzer			Loop Powered	υ-1.25 κμα	Manifold	Supply Contractor Supply Contractor	E&I Contractor		1111	WO-P0012	WD-A0403		WO-E0132
0301			Gas Analyzer Indicator	Section Contactor #2 to Section Desirate Findings						Зарргу солическог	Ear Contractor			WO 1 0014			WO E0132
0582	1	AT-O505A	,	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		1111	WO-P0014	WB-A0465		WO-E0132
0584	2	PT-O505B	Pressure Indicator Transmitter	Ozone Contactor #2 to Ozone Destruct Units Demister Differential Pressure			Loop Powered	0-10 Kpa	Manifold	Supply Contractor	E&I Contractor		l111	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										1				
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-U510A	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 Transmitter	Ozone Destruct Unit #1 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WO-P0012	WB-A0465		WO-E0132

RECORD	REV.	TAG		DESCRIPTION			POWER	STRUMENT INDEX CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
	No.	NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	SUPPLY	RANGE	MOUNTING	BY	BY	COMMENTS		DRAWING	LOOP DIA.	DETAIL	DWG.
NO.	INO.	IVAIVIE	INSTRUMENT TYPE	SERVICE			SUPPLY	KANGE		Dĭ	Dĭ		DATA SHEET	DRAWING	LOUP DIA.	DETAIL	DWG.
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		l111	WO-P0012	WB-A0465		WO-E0132
0591	2	TE-O510A	Temperature Element	Ozone Destruct Unit #1 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0012			WO-E0132
0592	2	TT-O510A	Temperature Indicator Transmitter	Ozone Destruct Unit #1 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0012	WB-A0465		WO-E0132
0593	2	TE-O510B	Temperature Element	Ozone Destruct Unit #1 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0012			WO-E0132
0594	2	TT-O510B	Temperature Indicator Transmitter	Ozone Destruct Unit #1 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0012	WB-A0465		WO-E0132
0595	2	TE-0510C	Temperature Element	Catalytic Destruct Unit CDU-0510A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0012			WO-E0132
-	_		Temperature Indicator	,													
0596	2	TT-0510C	Transmitter	Catalytic Destruct Unit CDU-0510A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0012	WB-A0465		WO-E0132
0597			Analyser Element	Ozone Destruct Unit #2 Vent Ozone Analyzer						Supply Contractor	Supply Contractor			WO-P0013			WO-E0132
0500			Ozone Gas Analyzer Indicator											1410 50040	WD 404/5		.W0 50400
0598			Transmitter	Ozone Destruct Unit #2 Vent Ozone Analyzer						Supply Contractor	Supply Contractor			WO-P0013	WB-A0465		WO-E0132
0599	2	AE-0520B	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
0601	2	PT-O520A	Pressure Indicator Transmitter	Catalytic Destruct Unit CDU-O520A Differential Pressure			Loop Powered	0-5 Kpa	Skid	Supply Contractor	Supply Contractor		l111	WO-P0013	WB-A0465		WO-E0132
0602	2	PT-O520B	Pressure Indicator Transmitter	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		l131	WO-P0013			WO-E0132
			Temperature Indicator														
0604	2	TT-O520A	Transmitter	Ozone Destruct Unit #2 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0013	WB-A0465		WO-E0132
0605	2	TE-O520B	Temperature Element	Ozone Destruct Unit #2 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0013			WO-E0132
0606	2	TT-O520B	Temperature Indicator Transmitter	Ozone Destruct Unit #2 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0013	WB-A0465		WO-E0132
0607	2	TE-0520C	Temperature Element	Catalytic Destruct Unit CDU-O520A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0013			WO-E0132
0608	2	TT-0520C	Temperature Indicator Transmitter	Catalytic Destruct Unit CDU-0520A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0013	WB-A0465		WO-E0132
0609	2	AE-O530A	Analyser Element	Ozone Destruct Unit #3 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WO-P0014			WO-E0132
			Ozone Gas Analyzer Indicator														
0610	2	AT-O530A		Ozone Destruct Unit #3 Vent Ozone Analyzer					Skid	Supply Contractor	Supply Contractor			WO-P0014	WB-A0465		WO-E0132
0611	2	PT-O530A	Pressure Indicator Transmitter	Catalytic Destruct Unit CDU-0530 Differential Pressure			Loop Powered	0-5 Kpa	Skid	Supply Contractor	Supply Contractor		l111	WO-P0014	WB-A0465		WO-E0132
0612	2			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		l131	WO-P0014			WO-E0132
0614	2	TT-O530A	Temperature Indicator Transmitter	Ozone Destruct Unit #3 Heater Inlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0014	WB-A0465		WO-E0132
0615	2	TE-O530B	Temperature Element	Ozone Destruct Unit #3 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0014			WO-E0132
	-		Temperature Indicator	Service Section Contract Conference	<u> </u>				01110	очрену останова.	очерну осничания						
0616	2	TT-O530B		Ozone Destruct Unit #3 Heater Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0014	WB-A0465		WO-E0132
0617	2	TE-0530C	Temperature Element	Catalytic Destruct Unit CDU-O530A Outlet Temperature	1				Skid	Supply Contractor	Supply Contractor		l131	WO-P0014			WO-E0132
0618	2	TT-0530C	Temperature Indicator Transmitter	Catalytic Destruct Unit CDU-0530A Outlet Temperature					Skid	Supply Contractor	Supply Contractor		l131	WO-P0014	WB-A0465		WO-E0132
0619		FT-P001A		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			Flow Element	DAF Recycle Water Flow to Saturator P001A	1			0-150 L/s	Flange	E&I Contractor	Mech. Contractor	250 mm	1100	WP-P0013	WB-A0453	WB-A0453	WP-E0133
	+								J.			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

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RECORD	REV.	TAG			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.
									By pass								
0622	1	LE-P001A	Level Element	DAF Saturator Vessel P001A Level						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	PT-P001A	Pressure Indicator Transmitter	DAF Saturator Vessel P001A Pressure			Loop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		I111	WP-P0013	WB-A0465	WB-A0408	WP-E0133
0625	0	PI-P001A	Pressure Indicator	DAF Saturator Vessel P001A Pressure Reducing Valve						Supply Contractor	Mech. Contractor		I112	WP-P0013			WP-M0131
0626	0	PI-P001B		DAF Saturator Vessel P001A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0013			+
0627	1		Pressure Switch	DAF Saturator Vessel P001A Pressure Low						Supply Contractor	Mech. Contractor		I115	WP-P0013			WP-E0133
0021		10100111	Tressure Switch	DATE SUITABLE VOSSELL SO IATTICSSUIC EUW						Supply Contractor	Ween. Contractor		1110	*** 1 0010			- W 20100
0628	1	SOL-P001A	Solenoid Actuator	DAF Saturator Vessel P001A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0013	, ,		WP-E0133
0020		002100111		DATE SALUTATION CONTROLLED VALVE ACTUALIST						Supply Contractor	Ween. Contractor			*** 1 0010			W1 20100
0629	2	TT-P001A	Temperature Indicator Transmitter	DAF Saturator Vessel P001A Temperature						Supply Contractor	Mech. Contractor		I131	WP-P0013	, ,		WP-E0133
0630	1	TE-P001A		DAF Saturator Vessel P001A Temperature					Thermowell	Supply Contractor	Mech. Contractor		I131	WP-P0013			WP-E0133
	1	FT-P002A	·	DAF Recycle Water Flow to Saturator P002A			1201/						I100	WP-P0013	WB-A0453	WB-A0402	WP-E0133
0631	2						120V	0.4501/-	Wall/Stand	E&I Contractor	E&I Contractor	250					
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
0.400		I T D0004		DAF C				0.700				Transmitter mounted on bypass level		MD Doods	WD 404/5		WD 50400
0633	2	LT-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
0/04		I E D0004		DAF C. L. I. V. LD000A L. L					By pass					MD Doods	WD 404/5		IMP FOLOO
0634	0			DAF Saturator Vessel P002A Level						Supply Contractor	Mech. Contractor			WP-P0013	WB-A0465		WP-E0133
0635	0	LS-P002A	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
															ļ ļ		
0636	1			DAF Saturator Vessel P002A Pressure			Loop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		I111	WP-P0013	WB-A0465	WB-A0408	WP-E0133
0637	0	PI-P002A	Pressure Indicator	DAF Saturator Vessel P002A Pressure Reducing Valve						Supply Contractor	Mech. Contractor		I112	WP-P0013	, ,		
0638	0	PI-P002B	Pressure Indicator	DAF Saturator Vessel P002A Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0013			
0639	1	PS-P002A	Pressure Switch	DAF Saturator Vessel P002A Pressure Low						Supply Contractor	Mech. Contractor		I115	WP-P0013			WP-E0133
																	1
0640	1	SOL-P002A	Solenoid Actuator	DAF Saturator Vessel P002A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0013	, ,		WP-E0133
			Temperature Indicator														
0641	1	TT-P002A	Transmitter	DAF Saturator Vessel P002A Temperature						Supply Contractor	Mech. Contractor		I131	WP-P0013	, ,		WP-E0133
0642	1	TE-P002A	Temperature Element	DAF Saturator Vessel P002A Temperature						Supply Contractor	Mech. Contractor		I131	WP-P0013			WP-E0133
0643	2	FT-P003A	Flow Indicator Transmitter	DAF Recycle Water Flow to Saturator P003A			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WP-P0015	WB-A0453	WB-A0402	WP-E0134
0644	2	FE-P003A	Flow Element	DAF Recycle Water Flow to Saturator P003A				0-150 L/s	Flange	E&I Contractor	Mech. Contractor	250 mm	I100	WP-P0015	WB-A0453	WB-A0453	WP-E0134
				-								Transmitter mounted on bypass level					+
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								++
0646	0	LE-P003A	Level Element	DAF Saturator Vessel P003A Level						Supply Contractor	Mech. Contractor			WP-P0014	WB-A0465		WP-E0134
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
									Ů	,							+
0648	1	PT-P003A	Pressure Indicator Transmitter	DAF Saturator Vessel P003A Pressure			Loop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		I111	WP-P0014	WB-A0465	WB-A0408	WP-E0134
0649	0	PI-P003A	Pressure Indicator	DAF Saturator Vessel P003A Pressure Reducing Valve			,	·		Supply Contractor	Mech. Contractor		I112	WP-P0014			+
0650	0			DAF Saturator Vessel P003A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0014			+
0651	1		Pressure Switch	DAF Saturator Vessel P003A Pressure Low						Supply Contractor	Mech. Contractor		I115	WP-P0014			WP-E0134
0031	_ '	1 3-1 003A	1 1033drC SWIICH	DAI Saturator Vesserr GOSATTESSUIC EUW						Supply Contractor	WCCII. COINIACIO		1113	VVI -1 0014			WI -E0134
0652	1	SUL-buusv	Solenoid Actuator	DAF Saturator Vessel P003A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0014		ı	WP-E0134
0032		OOL-1 UUJA		2711 Saturator V033011 003/1 Outlot Flow Shutton Valve Actuator	ļ	<u> </u>		-	_	Supply Contractor	WICCH. CONTRACTOR			VVI -1 UU14			VVI -LUIJ4
0653	1	TT-P003A	Temperature Indicator Transmitter	DAF Saturator Vessel P003A Temperature	1					Supply Contractor	Mech. Contractor		l131	WP-P0014		1	WP-E0134
	1			•					_								WP-E0134
0654	<u>'</u>	TE-P003A		DAF Saturator Vessel P003A Temperature	ļ		1201/		M-11/C: 1	Supply Contractor	Mech. Contractor	<u> </u>	I131	WP-P0014	MD AC450	IMD 40400	
0655	2			DAF Recycle Water Flow to Saturator P004A	ļ		120V	2.450.11	Wall/Stand	E&I Contractor	E&I Contractor	1050	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
0/57		LT DOC:		DAF C				0.400				Transmitter mounted on bypass level		IMP Born	MID AG ::=	ı	IMP FOR
0657	2	LT-P004A	Level Indicator Transmitter	DAF Saturator Vessel P004A Level			Loop powered	0-600 mm		Supply Contractor	Mech. Contractor	indicator		WP-P0014	WB-A0465	<u> </u>	WP-E0134

RECORD	DEV	TAG		DESCRIPTION			POWER	CALIBRATED CALIBRATED		SUPPLIED	INCTALLED		SPEC.	DolD	INSTRUMENT	INSTALLATION	LOCATION
					MANUFACTURER	MODEL			MOUNTING		INSTALLED	COMMENTS		P&ID			
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		ВҮ	BY		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0658	0	LE-P004A	Level Element	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			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	0	PI-P004A	Pressure Indicator	DAF Saturator Vessel P004A Pressure Reducing Valve						Supply Contractor	Mech. Contractor		l112	WP-P0014			
0662	0	PI-P004B	Pressure Indicator	DAF Saturator Vessel P004A Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0014			
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	Solenoid Actuator	DAF Saturator Vessel P004A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0014			WP-E0134
			Temperature Indicator														
0665	1	TT-P004A		DAF Saturator Vessel P004A Temperature						Supply Contractor	Mech. Contractor		l131	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	0			DAF Recycle Pump P-P010A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0012		WB-A0404	WP-M0209
0668	0	PI-P010G	Pressure Indicator	DAF Recycle Pump P-P010A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0012		WB-A0404	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	0	PI-P020H	Pressure Indicator	DAF Recycle Pump P-P020A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0012		WB-A0404	WP-M0209
067T	0	PI-P020J	Pressure Indicator	DAF Recycle Pump P-P020A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		1112	WP-P0012		WB-A0404	WP-M0209
0672	1		T .	DAF Recycle Pump P-P020A temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0012			WP-E0113
0673	0	PI-P030F		DAF Recycle Pump P-P030A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0012		WB-A0404	WP-M0209
0674	0	PI-P030G	Pressure Indicator	DAF Recycle Pump P-P030A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0012		WB-A0404	WP-M0209
0/75	1	TE D0204	DAE Daniela Dinera Thannaistea	DAF Describ Dorse D D020A transporture						Comple Combrate	Mark Cantrastan	Mine data la cal a control o con al		WD D0010			WD F0112
0675	1			DAF Recycle Pump P-P030A temperature					D:	Supply Contractor	Mech. Contractor	Wired to local control panel	1440	WP-P0012		MD 40404	WP-E0113
0676	0	PI-P040F	Pressure Indicator	DAF Recycle Pump P-P040A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-A0404	WP-M0210
0677	0	PI-P040G	Pressure Indicator	DAF Recycle Pump P-P040A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-A0404	WP-M0210
0678	1		,	DAF Recycle Pump P-P040A temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0014			WP-E0114
0679	0	PI-P050H	Pressure Indicator	DAF Recycle Pump P-P050A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-A0404	WP-M0210
0680	0	PI-P050J	Pressure Indicator	DAF Recycle Pump P-P050 Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-A0404	WP-M0210
0681	1	TE-P050A	DAF Recycle Pump - Thermistor	DAF Recycle Pump P-P050A temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0014			WP-E0114
0682	0	PI-P060F	Pressure Indicator	DAF Recycle Pump P-P060A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-A0404	WP-M0210
0683	0	PI-P060G	Pressure Indicator	DAF Recycle Pump P-P060A Outlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-A0404	WP-M0210
0684	1	TE-P060A	DAF Recycle Pump - Thermistor	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		l120	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			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		l120	WP-P0005	WB-A0455	WB-A0402	WP-E0133
0694	1	LE-P200A	Level Element	DAF TNKP200A Level					Bracket	Supply Contractor	E&I Contractor		I120	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

RECORD	RFV	TAG		DESCRIPTION			POWER	STRUMENT INDEX 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.	NAIVIE	INSTRUMENT TYPE	SERVICE			SUPPLY	KANGE		BI	Bi		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0696	1	SOL-P220B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP200A)						Supply Contractor	Mech. Contractor			WP-P0005		1	WP-E0133
0697	2		Flow Indicator Transmitter	Raw Water Flow to DAF TNKP300A			120V		Wall/Stand	E&I Contractor	E&I Contractor		1100	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		l120	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		1	WP-E0133
0.01										очьы оставия	mooni contractor						
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	SOL-P520B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP500A)						Supply Contractor	Mech. Contractor			WP-P0008		! 	WP-E0134
0715	2	FT-P600A	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		l120	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			Flow Indicator Transmitter	Raw Water Flow to DAF TNKP700A			120V		Wall/Stand	E&I Contractor	E&I Contractor		1100	WP-P0003	WB-A0453	WB-A0402	WA-E0112
0722			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		l120	WP-P0010	WB-A0455	WB-A0401	WP-E0134
0725	1	SOL-P720A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP700A)						Supply Contractor	Mech. Contractor			WP-P0010			WP-E0134
0726	1	SOL-P720B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP700A)						Supply Contractor	Mech. Contractor			WP-P0010			WP-E0134
0727	2		Flow Indicator Transmitter	Raw Water Flow to DAF TNKP800A			120V		Wall/Stand	E&I Contractor	E&I Contractor		1100	WP-P0003	WB-A0453	WB-A0402	WA-E0112
0728	2	FE-P800A	Flow Element	Raw Water Flow to DAF TNKP800A				0-650 L/s	Flange	E&I Contractor	Mech. Contractor	450 mm	1100	WP-P0003	WB-A0453	WB-A0453	WA-E0112
0729	0	LT-P800A	Level Indicator Transmitter	DAF TNKP800A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		1120	WP-P0011	WB-A0455	WB-A0402	WP-E0134
0730	1		Level Element	DAF TNKP800A Level					Bracket	Supply Contractor	E&I Contractor		1120	WP-P0011	WB-A0455	WB-A0401	WP-E0134
										1						<u> </u>	
0731	1	SOL-P820A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP800A)						Supply Contractor	Mech. Contractor			WP-P0011			WP-E0134
0732	1	SOL-P820B	Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP800A)						Supply Contractor	Mech. Contractor			WP-P0011			WP-E0134

								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	ВҮ		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0722	1	DT DOOGA	Danas and Indicates Transmitter	DAF Ata Danah an Danah an			Leen Devend	TDC		Enl Canton stan	E 0.1 Construction		1111	WD D001/			WD F0122
0733	1		Pressure Indicator Transmitter				Loop Powered	TBC		E&I Contractor	E&I Contractor	Wired to local central nanel	I111	WP-P0016			WR-E0132
0734	1	PS-P910A	Pressure Indicator	Air Compressor CMPP910A High Outlet Air Pressure						Supply Contractor	Mech. Contractor	Wired to local control panel	I115	WP-P0016			WR-E0132
0735	1	PI-P910A	Pressure Indicator	Air Compressor CMPP910A Outlet Air Pressure						Supply Contractor	Mech. Contractor	Wired to lead control name	l112	WP-P0016 WP-P0016			WR-E0132
0736	1	TS-P910A	Temperature Switch	Air Compressor CMPP910A High Outlet Air Temperature						Supply Contractor	Mech. Contractor	Wired to local control panel	1121				WR-E0132
0737	1	TI-P910A	Temperature Indicator	Air Compressor CMPP910A Outlet Air Temperature						Supply Contractor	Mech. Contractor		l131	WP-P0016			WR-E0132
0738	1			Air Receiver PV-P910A Pressure						Mech. Contractor	Mech. Contractor		l112	WP-P0016			WR-E0132
0739	1	PI-P911D	Pressure Indicator	Filter Inlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0740	1		Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0016			WR-E0132
0741	1	PI-P911F	Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0016			WR-E0132
0742	1		Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0743	1	PS-P920A	Pressure Switch	Air Compressor CMPP920A High Outlet Air Pressure						Supply Contractor	Mech. Contractor	Wired to local control panel	I115	WP-P0016			WR-E0132
0744	1	PI-P920A		Air Compressor CMPP920A Outlet Air Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0745	1	TS-P920A	Temperature Switch	Air Compressor CMPP920A High Outlet Air Temperature						Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0016			WR-E0132
0746	1	TI-P920A	Temperature Indicator	Air Compressor CMPP920A Outlet Air Temperature						Supply Contractor	Mech. Contractor		I131	WP-P0016			WR-E0132
0747	1	PI-P921A	Pressure Indicator	Air Receiver PV-P920A Pressure						Mech. Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0748	1	PI-P921D	Pressure Indicator	Filter Inlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0749	1	PI-P921E	Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0750	1	PI-P921F	Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0751	1	PI-P921G	Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0752	2	PT-P930A	Pressure Indicator/Level 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
0753	2	PT-P930B	Pressure Indicator/Level 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
0754	1	PI -P931A	Pressure Indicator	DAF Float Transfer Pump P931A						Mech. Contractor	Mech. Contractor		I112	WP-P0018			+
0755	1	PI-P932A	Pressure Indicator	DAF Float Transfer Pump P932A Discharge						Mech. Contractor	Mech. Contractor		I112	WP-P0018			+
0756	2	PT-P940A	Pressure Indicator/Level Transmitter	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
0757	2	PT-P940B	Pressure Indicator/Level Transmitter	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
0758	1	PI -P941A	Pressure Indicator	DAF Float Transfer Pump P94A1 Discharge				<u> </u>		Mech. Contractor	Mech. Contractor		I112	WP-P0018			+
0759	1		Pressure Indicator	DAF Float Transfer Pump P942A Discharge						Mech. Contractor	Mech. Contractor		l112	WP-P0018			+
			Pressure Indicator/Level														+
0760	2	PT-P950A		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		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	1	PI -P951A	Pressure Indicator	DAF Float Transfer Pump P951A Discharge				· ·		Mech. Contractor	Mech. Contractor		I112	WP-P0019			+
0763	1	PI -P952A	Pressure Indicator	DAF Float Transfer Pump P952A Discharge						Mech. Contractor	Mech. Contractor		I112	WP-P0019			+
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		1111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0765			Pressure Indicator/Level	DAF Float Sump P960A Level				0-100 Kpa	Flange	E&I Contractor	E&I Contractor		l111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0766			Pressure Indicator	DAF Float Transfer Pump P961A Discharge	+		1	'	J.	Mech. Contractor	Mech. Contractor		I112	WP-P0019			+
0767		PI -P962A	Pressure Indicator	DAF Float Transfer Pump P962A Discharge	+				+	Mech. Contractor	Mech. Contractor		I112	WP-P0019			+
0768	0		Level Switch	DAF Effluent Channel West Side (Train 1)			120V	2.4 mtrs from bottom of channel	Flange	E&I Contractor	E&I Contractor		11125	WP-P0017	WB-A0463	WB-A0406	WP-E0133
0769	0		Level Indicator Transmitter	DAF Effluent Channel West Side (Train 1)	+		120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		1120	WP-P0017	WB-A0455	WB-A0402	WP-E0133
0770	0		Level Element	DAF Effluent Channel West Side (Train 1)	+		0 *		Flange	E&I Contractor	E&I Contractor		1120	WP-P0017	WB-A0455	WB-A0402	WP-E0133
0770	0		Level Switch	DAF Effluent Channel East Side (Train 2)	+		120V	2.4 mtrs from bottom of channel	Flange	E&I Contractor	E&I Contractor		1125	WP-P0017	WB-A0463	WB-A0406	WP-E0134
0771	0		Level Indicator Transmitter	DAF Effluent Channel East Side (Train 2)	1	<u> </u>	120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		1120	WP-P0017	WB-A0405	WB-A0400	WP-E0134
			Level Element	DAF Effluent Channel East Side (Train 2)		1	120 V	V 111		E&I Contractor	E&I Contractor		1120	WP-P0017	WB-A0455	WB-A0402 WB-A0401	WP-E0134
0773	0	LL-F7/IA	LCVCI LICITICIII	DAL EHIDEH CHAHHELEAST SIDE (HAIH Z)		1			Flange	LAI CUIII ACIUI	Lai Cuillaciui		1120	WF-FUUI/	WD-A0400	VV D-AU4U I	WF-EU134

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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.
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	FI-P975A	Sample Flow Indicator	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	AE-P976A	pH Element	DAF Common Effluent Channel pH					Backboard	E&I Contractor	E&I Contractor		l165	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		l120	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		l120	WP-P0020	WB-A0455	WB-A0401	WA-E0102
0783	1	LT-P980B	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
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	I160	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		I100	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	n t Bracket	E&I Contractor	E&I Contractor		1126	WR-P0006	WB-A0458	N/A	WR-E0401
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	0	PI-R001A	Pressure Indicator	Washwater Recovery Tanks Sludge to Flocculation Chamber Pressure				0-150 Kpa		Mech Contractor	Mech Contractor		l112	WR-P0006			
0797	2	AE-R010A	Turbidity/TSS Monitor	Washwater Recovery Tank Supernatent Suspended Solids Monitor					In Line	E&I Contractor	E&I Contractor	Mounted on backboard	I160	WR-P0006	WB-A0462	WB-A0410	WR-E0401
0798	2	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	I160	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

								ISTRUMENT 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	in interpretation	0522	SUPPLY	RANGE		ВУ	BY	0011111110	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
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		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	SOL-P021R	Solenoid Actuator	Supernatent Pump P-R021A Outlet Control Valve Solenoid Operator					Valve	Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			
0813	1	TT-R021B		Supernatent Pump P-R021A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0013		11-1(0210	Temperature Indicator	Supernate in Firmoz in Williams Temperature					i ump	WCCII CONTIACTO	IVICCIT CONTRACTOR	Will de to tole	1131	WIX-1 0007			
0814	1	TT-R021C		Supernatent Pump P-R021A Bottom Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			
0815	1	TT-R021D	Temperature Indicator Transmitter	Supernatent Pump P-R021A Top Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	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	SOL-R022B		Supernatent Pump P-R022A Outlet Control Valve Solenoid Operator					Valve	Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			<u> </u>
0820	1	TT-R022B		Supernatent Pump P-R022A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			<u> </u>
0821	1	TT-R022C	Temperature Indicator Transmitter Temperature Indicator	Supernatent Pump P-R022A Bottom Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			<u> </u>
0822	1	TT-R022D		Supernatent Pump P-R022A Top Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			
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	SOL-R023B		Supernatent Pump P-R023A Outlet Control Valve Solenoid Operator					Valve	Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			
0826	1	TT-R023B		Supernatent Pump P-R023A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0827	1	TT-R023C		Supernatent Pump P-R023A Bottom Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			
0828	1	TT-R023D	Temperature Indicator Transmitter	Supernatent Pump P-R022A Top Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			
0829	1	VT-R023A	Vibration Switch	Supernatent Pump P-R023A Vibration Sensor/ Transmitter						Mech Contractor	Mech Contractor	Mounted local to pump with repeat indication at MCC		WR-P0007			WR-E0401
0830	2			Supernatent Pump Station Outlet Turbidity/TSS					Inline	Mech Contractor	Mech Contractor	Sensor mounted inline	l160	WR-P0007			WR-E0401
0831	2		-	Supernatent Pump Station Outlet Turbidity/TSS					Wall/ Stand	Mech Contractor	Mech Contractor		l160	WR-P0007			WR-E0401
0832	2			Supernatent Pump Station Outlet Flow				0-3500 l/m	Flange	E&I Contractor	Mech Contractor	600mm	I100	WR-P0007	WB-A0453	WB-A0453	WR-E0401
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				PERMITTEN				ISTRUMENT INDEX									1
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.
0833	2	FT-R024A	Flow Indicator Transmitter	Supernatent Pump Station Outlet Flow			120V		Wall/Stand	E&I Contractor	E&I Contractor		I100	WR-P0007	WB-A0453	WB-A0402	WR-E0401
0834	0	PI-R024A	Pressure Indicator	Supernatent Pump Station Outlet Pressure						Mech Contractor	E&I Contractor		l112	WR-P0007			
0835	0	SOL-R024B	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 High High Level			120V	2.1 mtrs from slab	Flange	E&I Contractor	E&I Contractor		l125	WR-P0002	WB-A0463	WB-A0406	WR-E0401
0838	0	LT-R100D	Level Indicator Transmitter	Washwater Recovery Tank WRTR100A Level			120V	0-6 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WR-P0002	WB-A0455	WB-A0402	WR-E0401
0839	0	LE-R100D	Level Element	Washwater Recovery Tank WRTR100A Level					Flange	E&I Contractor	E&I Contractor		l120	WR-P0002	WB-A0455	WB-A0401	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		I160	WR-P0002	WB-A0462	WB-A0410	WR-E0122
0841	2	LE-R100E	Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve					In Liquid	E&I Contractor	E&I Contractor	Sensor suspended in tank	I160	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	· · · · · · · · · · · · · · · · · · ·	l125	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		l125	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		l120	WR-P0003	WB-A0455	WB-A0402	WR-E0401
0845	0	LE-R200D	Level Element	Washwater Recovery Tank WRTR200A Level					Flange	E&I Contractor	E&I Contractor		l120	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		I160	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	I160	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		l125	WR-P0004	WB-A0463	WB-A0406	WR-E0401
0849	0	LS-R300B	Level Switch	Washwater Recovery Tank WRTR300A High High Level			120V	2.1 mtrs from slab	Flange	E&I Contractor	E&I Contractor		l125	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	LE-R300D	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	LT-R300E	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	LE-R300E	Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve					In Liquid	E&I Contractor	E&I Contractor	Sensor suspended in tank	I160	WR-P0004	WB-A0462	WB-A0410	WR-E0122
0854	0	LS-R400A	Level Switch	Washwater Recovery Tank WRTR400A Low Low Level			120V	6.2 mtrs from slab	Flange	E&I Contractor	E&I Contractor	'	l125	WR-P0005	WB-A0463	WB-A0406	WR-E0401
0855	0	LS-R400B	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		I120	WR-P0005	WB-A0455	WB-A0402	WR-E0401
0857	0	LE-R400D	Level Element	Washwater Recovery Tank WRTR400A Level					Flange	E&I Contractor	E&I Contractor		I120	WR-P0005	WB-A0462	WB-A0410	WR-E0401
0858	0	LT-R400E	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	LE-R400E	Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Leve				, y	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					<u>'</u>	E&I Contractor	E&I Contractor	Sensor suspended in tank	I160	WR-P0008			WR-E0401
			TSS Analyser Indicator														+
0861	2	AT-R500B	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
			Turbidity Analyser Indicator														+
0863	2	AT-R500C	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		l125	WR-P0008	WB-A0463	WB-A0406	WR-E0401
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
			TSS Analyser Indicator														
0867	2	AT-R600B	Transmitter	Gravity Thickener GT600A TSS						E&I Contractor	E&I Contractor		I160	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		I125	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		I120	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		I120	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		I125	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		I125	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		I120	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		I120	WR-P0009	WB-A0455	WB-A0402	WR-E0401

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	ВУ	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
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		I125	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		I125	WR-P0009	WB-A0463	WB-A0406	WR-E0401
0880	0	AE-R730B	TSS Analyser Sensor	Thickened Sludge to Freeze Thaw Ponds TSS						E&I Contractor	E&I Contractor			WR-P0009			WR-E0401
0881	0	AT-R730B	TSS Analyser Indicator Transmitter	Thickened Sludge to Freeze Thaw Ponds TSS						E&I Contractor	E&I Contractor			WR-P0009			WR-E0401
0882	0	FE-R730A	Flow Element	Thickened Sludge to Freeze Thaw Ponds Flow				0-1400 l/m	Flange	Mech Contractor	Mech Contractor	100 mm	I100	WR-P0009	WB-A0453	WB-A0453	WR-E0401
0883	0	FT-R730A	Flow Indicator Transmitter	Thickened Sludge to Freeze Thaw Ponds Flow			120V		Wall/Stand	Mech Contractor	E&I Contractor		I100	WR-P0009	WB-A0453	WB-A0402	WR-E0401
0884	0	PI-R730	Pressure Indicator	Thickened Sludge to Freeze Thaw Ponds Pressure						Mech Contractor	E&I Contractor		I112	WR-P0009			
0885	0	SOL-R730A		Thickened Sludge to Freeze Thaw Ponds Pump Outlet Control Valve Solenoid Operator						Mech Contractor	E&I Contractor			WR-P0009			WR-E0401