							INS	TRUMENT INDEX									
RECORD F	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	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0001	1	FE-C001B	Flow Element	Standby Emulsion Polymer Flow to Storage Tanks					Skid	Vendor Package	Mech. Contractor	50mm	1100	WC-P0007	WB-A0453	WB-A0453	WC-E0112
												Connected to PPU-C001 Local					
0002			Flow Indicator Transmitter	Standby Emulsion Polymer Flow to Storage Tanks			120V		Skid	Vendor Package	Mech. Contractor	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
							4001		0111			Connected to PPU-C001 Local	TD 0		TDO		
0004	1	M1-C001B	Weight Indicator Transmitter	Standby Emulsion Polymer Weight			120V		Skid	Vendor Package	Mech. Contractor	Panel	TBC	WC-P0007	TBC	TBC	WC-E0112
0005	1	I C COOE A	Canduativity Laval Switch	Dolumor Spill Containment High Loyal			1201/	4 mm from floor of containment	Drooket	E91 Contractor	Egl Contractor	To measure any liquid in	1104	WC D0007	WD AG4E0	NI/A	WC F0112
0005		LS-C005A	Conductivity Level Switch	Polymer Spill Containment High Level			120V	6mm from floor of containment	Bracket	E&I Contractor	E&I Contractor	containment	l126	WC-P0007	WB-A0458	N/A	WC-E0112
												Connected to PCU-C020 Local				1	
0006	1	LS-C020A	Level Switch	Filter 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
				3 11						,		71					+
												Connected to PCU-C020 Local				1	
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
8000	1	WE-C020A	Load Cells	Filter Polymer Bulk Powder Weight					Skid	Vendor Package	Mech. Contractor		TBC	WC-P0005	TBC	TBC	WC-E0112
												Connected to PCU-C020 Local					1
0009	1	WT-C020A	Weight Indicator Transmitter	Filter Polymer Bulk Powder Weight			120V		Skid	Vendor Package	Mech. Contractor	Panel	TBC	WC-P0005	TBC	TBC	WC-E0112
												Connected to PPU-C021 Local					1
0010	1	LS-C021A	Level Switch	Filter Polymer Preparation Tank High			120V		Bracket	Vendor Package	Mech. Contractor	Panel	l126	WC-P0006	WB-A0458	N/A	WC-E0122
0011		1.0.0004.0	10 "1	5" 5 5 7 1			4001/					Connected to PPU-C021 Local	1407	WO D000/	IND AGAEG		NO 50400
0011	1	LS-C021B	Level Switch	Filter Polymer Preparation Tank Low			120V		Bracket	Vendor Package	Mech. Contractor	Panel	l126	WC-P0006	WB-A0458	N/A	WC-E0122
0012	1	SOL COSID	Solenoid Actuator	Filter Polymer Preparation Tank Service Water Inlet Valve			120V		Valve	Vendor Package	Mech. Contractor	Connected to PPU-C021 Local Panel		WC-P0006		1	WC-E0122
0012	1	LE-C022A	Level Element	Filter Polymer Feed Tank Level			1200			Vendor Package  Vendor Package	Mech. Contractor	r dilei	l120	WC-P0008	WB-A0455	WB-A0401	WC-E0122 WC-E0112
0013	1	LT-C022A	Level Indicator Transmitter	Filter Polymer Feed Tank Level			120V	TBC	Flange Wall/ Stand	Vendor Package  Vendor Package	E&I Contractor		I120	WC-P0008	WB-A0455	WB-A0401 WB-A0402	WC-E0112 WC-E0112
0011	-	ET GOZZIT	Ecver indicator Transmitter	Third Folymor Food Fallik Edvor			1200	150	Wally Staria	vender i dekage	Ear Contractor		1120	1101000	WB 710 100	WB 7/0 102	WO 20112
												Connected to PCU-C030 Local				1	
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
																	1
												Connected to PCU-C030 Local				1	
0016			Level Switch	Sludge 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
0017	1	WE-C030A	Load Cells	Sludge Polymer Bulk Powder Weight					Skid	Vendor Package	Mech. Contractor		TBC	WC-P0005	TBC	TBC	WC-E0112
0010		MIT COOOA	M/s ! what he all seates Torress with a	Chadas Dahan sa Dalla Danadas Walata					CIVIA	Mandan Dankana	March Contractor	Connected to PCU-C030 Local	TDO	WC DOODE	TDO	TDO	WO F0110
0018	'	WT-C030A	Weight Indicator Transmitter	Sludge Polymer Bulk Powder Weight					Skid	Vendor Package	Mech. Contractor	Panel	TBC	WC-P0005	TBC	TBC	WC-E0112
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
0017	'	L3-C031A	Level Switch	Siduge Folymer Freparation Fank Flight			1200		DIACKEL	vendor Fackage	IVIECII. COITII actor		1120	WC-F0007	WD-A0430	IN/A	WC-LUIZZ
0020	1	LS-C031B	Level Switch	Sludge Polymer Preparation Tank Low			120V		Bracket	Vendor Package	Mech. Contractor	Connected to PPU-C031 Local Panel	l126	WC-P0007	WB-A0458	N/A	WC-E0122
										i ii ii ji		Connected to PPU-C031 Local					+
0021	1	SOL-C031B	Solenoid Actuator	Sludge Polymer Preparation Tank Service Water Inlet Valve			120V		Valve	Vendor Package	Mech. Contractor	Panel		WC-P0007		1	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		1100	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
										Ì		Rotameter Complete With Low Flow					1
0027	1	FI-C061A	Flow Indicator	Service Water to PC061A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0014		4	WC-E0112
0028	1	PI-C061A	Pressure Indicator	Filter Polymer Feed Pump PC061A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0014		ĺ .	WC-E0112
																1	
0029	1		Solenoid Valve	Service Water to PC061A Discharge Flow Control Valve			120V		Skid	Vendor Package	Mech. Contractor			WC-P0014		<b></b>	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		<b></b>	WC-E0112
0031			Pressure Switch	Filter Polymer Feed Pump P.C061A High Discharge Pressure		<u> </u>			Skid	Vendor Package	Mech. Contractor	Wired to local control panel	1100	WC-P0014	W/D A04F3	W/D AGAES	WC-E0112
0032			Flow Element	Filter Polymer Feed Pump P-C062A Discharge Flow			11201/		Skid	Vendor Package	Mech. Contractor	25mm	I100	WC-P0014	WB-A0453	WB-A0453	WC-E0112
033	1	r 1-CU62A	Flow Indicator Transmitter	Filter Polymer Feed Pump P-C062A Discharge Flow			120V		Skid	Vendor Package	Mech. Contractor		I100	WC-P0014	WB-A0453	WB-A0402	WC-E0112

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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	BY	ВҮ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0034	1	FS-C062A	Flow Switch	Service Water to PC062A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0014	WB-A0463		WC-E0112
												Rotameter Complete With Low Flow					+
0035	1	FI-C062A	Flow Indicator	Service Water to PC062A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0014			WC-E0112
0036	1	PI-C062A	Pressure Indicator	Filter Polymer Feed Pump PC062A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		I112	WC-P0014			WC-E0112
																	+
0037	1	SOL-C062A	Solenoid Valve	Service Water to PC062A Discharge Flow Control Valve			120V		Skid	Vendor Package	Mech. Contractor			WC-P0014			WC-E0112
0038	1	TS-C062A	Temperature Switch	Filter Polymer Feed Pump PC062A High Stator Temperature					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0014			WC-E0112
0039	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	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	FT-C063A	Flow Indicator Transmitter	Filter Polymer Feed Pump P-C063A Discharge Flow			120V		Skid	Vendor Package	Mech. Contractor		I100	WC-P0014	WB-A0453	WB-A0402	WC-E0112
0042	1	FS-C063A	Flow Switch	Service Water to PC063A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0014	WB-A0463		WC-E0112
												Rotameter Complete With Low Flow					+
0043	1	FI-C063A	Flow Indicator	Service Water to PC063A Discharge Flow					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0014			WC-E0112
0044	1	PI-C063A	Pressure Indicator	Filter Polymer Feed Pump PC063A Discharge Pressure					Skid	Vendor Package	Mech. Contractor		l112	WC-P0014			WC-E0112
															<u> </u>		+
0045	1	SOL-C063A	Solenoid Valve	Service Water to PC063A Discharge Flow Control Valve			120V		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	<u> </u>		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	FE-C071A	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	FT-C071A	Flow Indicator Transmitter	Sludge Polymer Feed Pump P-C071A Discharge Flow			120V		Skid	Vendor Package	Mech. Contractor	+	I100	WC-P0015	WB-A0453	WB-A0402	WC-E0112
0050	1	FS-C071A	Flow Switch	Service Water to PC071A Low Flow					Skid	Vendor Package	Mech. Contractor	+		WC-P0015	WB-A0463		WC-E0112
												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
-										J							+
0053	1	SOL-C071A	Solenoid Valve	Service Water to P-C071A Discharge Flow Control Valve			120V		Skid	Vendor Package	Mech. Contractor			WC-P0015			WC-E0112
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		Flow Indicator Transmitter	Sludge Polymer Feed Pump P-C072A Discharge Flow			120V		Skid	Vendor Package	Mech. Contractor		I100	WC-P0015	WB-A0453	WB-A0402	WC-E0112
0058	1		Flow Switch	Service Water to PC072A Low Flow					Skid	Vendor Package	Mech. Contractor			WC-P0015	WB-A0463		WC-E0112
											+	Rotameter Complete With Low Flow					+
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
				3 , 1						, ,							+
0061	1	SOL-C072A	Solenoid Valve	Service Water to P-C072A Discharge Flow Control Valve			120V		Skid	Vendor Package	Mech. Contractor			WC-P0015			WC-E0112
0062	1		Temperature Switch	Sludge Polymer Feed Pump PC072A High Stator Temperature					Skid	Vendor Package	Mech. Contractor	Wired to local control panel		WC-P0015	<u> </u>		WC-E0112
0063	1		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		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		Level Indicator Transmitter	Filter Inlet Chamber (TK-C701A) Level			120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WO-P0010	WB-A0455	WB-A0402	WO-M0121
0066	1		Level Element	Filter Inlet Chamber (TK-C702A) Level					Flange	E&I Contractor	E&I Contractor		l120	WO-P0011	WB-A0455	WB-A0401	WO-M0121
0067	1		Level Indicator Transmitter	Filter Inlet Chamber (TK-C702A) Level			120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WO-P0011	WB-A0455	WB-A0402	WO-M0121
				, , , , , , , , , , , , , , , , , , , ,								To measure any liquid in					+
0068	1	LS-C800A	Conductivity Level Switch	Hydrogen Peroxide Spill Containment High Level			120V	6mm from floor of containment	Bracket	E&I Contractor	E&I Contractor	containment	I126	WC-P0001	WB-A0458	N/A	WC-E0112
0069	1		Level Element	Hydrogen Peroxide Feed Tank TKC810A Level					Flange	Mech. Contractor	E&I Contractor		l120	WC-P0001	WB-A0455	WB-A0401	WC-E0112
0070	1		Level Indicator Transmitter	Hydrogen Peroxide Feed Tank TKC810A Level			120V	0-4 mtrs	Wall/ Stand	Mech. Contractor	E&I Contractor		I120	WC-P0001	WB-A0455	WB-A0402	WC-E0112
																	+
0071	1	LI-C810B	Remote Indicator	Hydrogen Peroxide Feed Tank TKC810A Level			Loop Powered		Panel	Mech. Contractor	E&I Contractor	Part of local control panel LCP-C800		WC-P0001			WC-E0112
0072	1		Temeperature Element	Hydrogen Peroxide Feed Tank TKC810A Temperature			-1 -11-11-12-1		Flange	Mech. Contractor	E&I Contractor		I131	WC-P0001		WB-A0407	WC-E0112
0073	1		Temperature Indicator Transmiter	Hydrogen Peroxide Feed Tank TKC810A Temperature					Wall/ Stand	Mech. Contractor	E&I Contractor	Remote mounted inidcator	I131	WC-P0001	WB-A0465		WC-E0112
0074	1		Level Element	Hydrogen Peroxide Feed Tank TKC820A Level					Flange	Mech. Contractor	E&I Contractor		1120	WC-P0001	WB-A0455	WB-A0401	WC-E0112
0075	1`		Level Indicator Transmitter	Hydrogen Peroxide Feed Tank TKC820A Level			120V	0-4 mtrs	Wall/ Stand	Mech. Contractor	E&I Contractor		1120	WC-P0001	WB-A0455	WB-A0402	WC-E0112
55.5		2. 0020/1							Otalia	oo oonaddiol	24. 5011140101		1120				
0076	1	LI-C820A	Remote Indicator	Hydrogen Peroxide Feed Tank TKC820A Level			Loop Powered		Panel	Mech. Contractor	E&I Contractor	Part of local control panel LCP-C800		WC-P0001			WC-E0112
0077	1		Temeperature Element	Hydrogen Peroxide Feed Tank TKC820A Temperature			200p i owolou		Flange	Mech. Contractor	E&I Contractor	and of local control particle of "Cooo"	I131	WC-P0001		WB-A0407	WC-E0112 WC-E0112
0077	'	IL COZUA	remoperature Element	rigarogorii oroniae i oca rank irkouzum reniperature	1				i idilge	WICCH. CONTRACTO	Lai Comiaciói		1131	** O-1 000 I		WD-70407	VV O-LUTIZ

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RECORD	REV.	TAG		DESCRIPTION	MANUEAGTURER	моры	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COLUMENTO	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.
0078	1	TT-C820A	Temperature Indicator Transmiter	Hydrogen Peroxide Feed Tank TKC820A Temperature					Wall/ Stand	Mech. 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	I102	WC-P0002	WB-A0456		WC-E0112
												Rotameter Complete With Low Flow					
0800	1	FI-C840A	Flow Indicator	Service Water to PC840A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0002			WC-E0112
0081	1	FS-C840A	Flow Switch	Service Water to PC840A Low Flow					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0002	WB-A0463		WC-E0112
0082	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	I102	WC-P0002	WB-A0456		WC-E0112
												Rotameter Complete With Low Flow					
0085	1		Flow Indicator	Service Water to PC850A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0002			WC-E0112
0086	1		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
0000		001 00504	0.1	G : W B00504 B:					0111					WO DOOO			WO 50440
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
0000	,	ET 00/04	Floor by Mankey Townson Man	Hoder and Describe Metallan Describe D 00/04 Outlet Flow Date			241/00		Child	Mandan Dadan	Mark Cambraston	Compact 6mm Inline flow meter. Pre	1100	WC Doops	MD AGAE		WO F0110
0089	'	F1-C800A	Flow Indicator Transmitter	Hydrogen Peroxide Metering Pump P-C860A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	wired to local panel	l102	WC-P0002	WB-A0456		WC-E0112
0000	1	FI-C860A	Flow Indicator	Service Water to PC860A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Rotameter Complete With Low Flow Switch		WC-P0002			WC F0112
0090	1			Service Water to PC860A Flow Indicator						9					WB-A0463		WC-E0112
0091	1	FS-C860A	Flow Switch Pressure Indicator						Skid	Vendor Package	Mech. Contractor	Wired to local panel	l112	WC-P0002	WD-A0403		WC-E0112
0092	'	PI-C860A	Pressure muicator	Hydrogen Peroxide Dosing Pump PC860A Outlet Pressure					Skid	Vendor Package	Mech. Contractor		1112	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		Level Element	Sodium Bisulphite Feed Tank Level					Flange	E&I Contractor	E&I Contractor	which to local parter	l120	WC-P0003	WB-A0455	WB-A0401	WC-E0112
0095	1		Level Indicator Transmitter	Sodium Bisulphite Feed Tank Level			120V	0-1.8 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WC-P0003	WB-A0455	WB-A0402	WC-E0112
0073	'	L1-C740D	Level indicator Transmitter	South distiplifie recurrant Level			1200	0-1.0 11103	Wall/ Stariu	Ext Contractor	Lar contractor	Commont / man Inline flour meeter	1120	WC-1 0003	WD-A0433	WD-70402	WC-LUTIZ
0096	1	FT-C950A	Flow Indicator Transmitter	Sodium Bisulphite Metering Pump P-C950A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	Compact 6mm Inline flow meter. Wire to local panel	I102	WC-P0004	WB-A0456		WC-E0112
0070	·		The Windigates Transmitted	Codam Boapine mooning ramp r Groot Canot for rate			211 00		O.I.I.G	Venuer : denage	moon contactor	Rotameter Complete With Low Flow	1102		112 / 10 100		
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			<u> </u>		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			<u> </u>		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
0101	1	FT-C960A	Flow Indicator Transmitter	Sodium Bisulphite Metering Pump P-C960A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	Compact 6mm Inline flow meter	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
																	+
0105	1	SOL-C960A	Solenoid Valve	Service Water to P-C960A Discharge Flow Control Valve					Skid	Mech. Contractor	Mech. Contractor			WC-P0004			WC-E0112
0106	1	FT-C970A	Flow Indicator Transmitter	Sodium Bisulphite Metering Pump P-C970A Outlet Flow Rate			24V DC		Skid	Vendor Package	Mech. Contractor	Compact 6mm Inline flow meter	I102	WC-P0004	WB-A0456		WC-E0112
												Rotameter Complete With Low Flow					
0107	1	FI-C970A	Flow Indicator	Service Water to P-C970A Flow Indicator					Skid	Vendor Package	Mech. Contractor	Switch		WC-P0004			WC-E0112
0108	1	FS-C970A	Flow Switch	Service Water to P-C970A Low Flow					Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0004	WB-A0463		WC-E0112
0109	1	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	<u> </u>	<u>L</u>	<u> </u>		Skid	Vendor Package	Mech. Contractor	Wired to local panel		WC-P0004			WC-E0112
			-									To measure any liquid in					
0111	1	LS-C980A	Conductivity Level Switch	Sodium Bisulphite Spill Containment High Level		<u> </u>	120V	6mm from floor of containment	Bracket	E&I Contractor	E&I Contractor	containment	l126	WC-P0003	WB-A0458	N/A	WC-E0112
0112		DT 50000		Elli Al C. Di Billistato				0.100 //					1222	ME BATT	M/D ***:-		WE EC:
0112	1		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		Pressure Indicator	Filter Air Scour Blower BLWF010A Outlet Air Pressure				0.400.1/		Vendor Package	Mech. Contractor	Wired to local panel	l112	WF-P0010	11/5 12:		WF-M0406
0114	1	PI-F010B	Pressure Indicator Transmitter	Filter Air Scour Blower BLWF010A Outlet Air Pressure	<u> </u>		Loop Powered	0-180 Kpa	Manifold	Vendor Package	Mech. Contractor		l111	WF-P0010	WB-A0465		WF-E0134

# The City of Winnipeg Water Treatment Program Supply and Installation of Water Treatment Plant Process Mechanical and Electrical Bid Opportunity 742-2005 Addendum 2

RECORD	REV.	TAG		DESCRIPTION			POWER	CALIBRATED		SUPPLIED	INSTALLED		SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
			INICATE INTENTATIVE		MANUFACTURER	MODEL			MOUNTING			COMMENTS					
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		ВҮ	ВҮ		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
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	I131	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		I	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		1111	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	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
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	0	FE-F030A	Flow Element	Filter Air Scour Blower Outlet Flow					Flange	Mech. Contractor	Mech. Contractor	350mm V cone flowmeter		WF-P0010			WF-M0406
												Differential pressure transmitter with					
0129	1	FT-F030A	Flow Indicator Transmitter	Filter Air Scour Blower Outlet Flow			Loop Powered		Wall/Stand	Mech. Contractor	E&I Contractor	temp compensation  RTD with head mounted transmitter		WF-P0010	WB-A0465		WF-E0134
0130	1	TT-F030A	Temperature Indicator Transmitter	Filter Air Scour Blower Outlet Temperature			Loop Powered			E&I Contractor	E&I Contractor	indicator	l131	WF-P0010			WF-E0134
0131	1	LT-F050A	Level Indicator Transmitter	Filtered Water Chamber Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		1120	WF-P0011	WB-A0455	WB-A0402	WF-E0123
0132	1	LE-F050A	Level Element	Filtered Water Chamber Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0011	WB-A0455	WB-A0401	WF-E0123
0133	1	FS-F055A	Flow Switch	Chlorine Contact Tank to Supernatent Pump Station Drain Pump Outlet Flow						E&I Contractor	E&I Contractor		I105	WF-P0012			WF-M0407
0134	1	AE-F056A	Free Chlorine Sensor	Chlorine Contact Tank Outlet Free Chlorine Measurement						E&I Contractor	E&I Contractor			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		WF-P0011			WF-E0103
												Rotameter Complete With Low Flow					
0136	1	FI-F056A	Flow Indicator	Chlorine Contact Tank Outlet Free Chlorine Sample Flow						E&I Contractor	E&I Contractor	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		E&I Contractor	E&I Contractor		1120	WF-P0001		WB-A0402	WF-E0133
0139	1	LE-F100A	Level Element	Filter No. 1 Level					Flange	E&I Contractor	E&I Contractor		1120	WF-P0001	WB-A0455	WB-A0401	WF-E0133
0140	1	PT-F100A	Differential Pressure Indicator Transmitter	Overall Filter Differential Pressure		I	Loop Powered	0-180 Kpa	Manifold	E&I Contractor	Mech. Contractor		I110	WF-P0001	WB-A0465	WF-M0451	WF-E0103
0141	1		Differential Pressure Indicator	Top Filter Media Differential Pressure						Mech. Contractor	Mech. Contractor		l110	WF-P0001		WF-M0451	
0142	1		Differential Pressure Indicator	Bottom Filter Media Differential Pressure						Mech. Contractor	Mech. Contractor		l110	WF-P0001		WF-M0451	
0143	1		Flow Indicator Transmitter	Filter TKF100A Outlet Flow			120V		Wall/Stand	Mech. Contractor	E&I Contractor		l100	WF-P0001	WB-A0453	WB-A0402	WF-E0103
0144	1	FE-F103A	Flow Element	Filter TKF100A Outlet Flow					Flange	Mech. Contractor	Mech. Contractor	600 mm	l100	WF-P0001	WB-A0453	WB-A0453	WF-M0401
0145	1	AT-F110A	Turbidity Analyzer/ Transmitter	Filter TKF100A Outlet Turbidity						E&I Contractor	E&I Contractor	Analyzer assembly mounted on HDPE wall mounted panel		WF-P0001	WB-A0459	WF-M0452	WF-E0103
0146	1	AT-F110B	Particle Counter Transmitter	Filter TKF100A Outlet Particle Count						E&I Contractor	E&I Contractor			WF-P0001		WF-M0452	WF-E0103
0147	1	FI-F110A	Flow Indicator	Filter TKF100A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch	_	WF-P0001		WF-M0452	WF-E0103
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
0149	1	FI-F110B	Flow Indicator	Filter TKF100A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0001		WF-M0452	WF-E0103
0150	1	FS-F110B	Flow Switch	Filter TKF100A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0001	WB-A0463	WF-M0452	WF-E0103
0151	1	LT-F200A	Level Indicator Transmitter	Filter No. 2 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0002	WB-A0455	WB-A0402	WF-E0133
0152	1	LE-F200A	Level Element	Filter No. 2 Level					Flange	E&I Contractor	E&I Contractor		1120	WF-P0002	WB-A0455	WB-A0401	WF-E0133

			•				TRUMENT INDEX		•							
RECORD	REV.	TAG		DESCRIPTION	MANUFACTURER	MODEL POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT		LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE		SUPPLY	RANGE		BY	BY		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0152	1	DT F200A	Differential Pressure Indicator	Overall Filter Differential Pressure		Loop Downson	0.100 1/20	Monifold	E. I. Camtrastar	Mach Contractor		1110	WE D0000	WD 404/F	WE MOVET	WE E0102
0153	1	PT-F200A FT-F203A	Transmitter Flow Indicator Transmitter	Overall Filter Differential Pressure Filter TKF200A Outlet Flow		Loop Powered	0-180 Kpa	Manifold Wall/Stand	E&I Contractor  Mech. Contractor	Mech. Contractor  E&I Contractor		I110 I100	WF-P0002 WF-P0002	WB-A0465 WB-A0453	WF-M0451 WB-A0402	WF-E0103 WF-E0103
0154 0155	1		Flow Element	Filter TKF200A Outlet Flow		120V		Wall/Stand Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0002	WB-A0453 WB-A0453	WB-A0402 WB-A0453	WF-M0402
0133	'	1 1 203/1	Tiow Element	THE TRI 2007 Outlet Flow				riange	Ween. Contractor	Ween. Contractor	000 111111	1100	W1 1 0002	VVD 710433	WB 710433	VVI IVIOTOZ
											Analyzer assembly mounted on					
0156	1	AT-F210A	Turbidity Analyzer/ Transmitter	Filter TKF200A Outlet Turbidity					E&I Contractor	E&I Contractor	HDPE wall mounted panel		WF-P0002	WB-A0459	WB-A0459	WF-M0452
0157	1	AT-F210B	Particle Counter Transmitter	Filter TKF200A Outlet Particle Count					E&I Contractor	E&I Contractor			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
01/0		EL EGAGE		EIII THEODOLO II I D. II D.					5010 1	Fal 0	Rotameter Complete With Low Flow		INE DOOG		WE MO (50	WE 50400
0160	1	FI-F210B		Filter TKF200A Outlet Particle Counter Sample Flow					E&I Contractor	E&I Contractor	Switch		WF-P0002	W/D A04/2	WF-M0452	WF-E0103
0161	1	FS-F210B LT-F300A	Flow Switch Level Indicator Transmitter	Filter TKF200A Outlet Particle Counter Sample Flow Low Filter No. 3 Level		1201/	0.10 m	Wall/ Stand	E&I Contractor E&I Contractor	E&I Contractor E&I Contractor		l120	WF-P0002 WF-P0003	WB-A0463 WB-A0455	WF-M0452 WB-A0402	WF-E0103 WF-E0133
0162	1			Filter No. 3 Level		120V	0-10 m		E&I Contractor	E&I Contractor		I120	WF-P0003	WB-A0455	WB-A0402 WB-A0401	WF-E0133
0163	'	LL-1 300A	Differential Pressure Indicator	I liter No. 3 Lever				Flange	Lai contractor	Lar Contractor		1120	WI -F 0003	WD-A0433	WB-A0401	VVI -LU133
0164	1	PT-F300A	Transmitter	Overall Filter Differential Pressure		Loop Powered	0-180 Kpa	Manifold	E&I Contractor	Mech. Contractor		I110	WF-P0003	WB-A0465	WF-M0451	WF-E0103
0165	1	FT-F303A		Filter TKF300A Outlet Flow		120V	1	Wall/Stand	Mech. Contractor	E&I Contractor		I100	WF-P0003	WB-A0453	WB-A0402	WF-E0103
0166	1	FE-F303A	Flow Element	Filter TKF300A Outlet Flow				Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0003	WB-A0453	WB-A0453	WF-M0402
-											Analyzer assembly mounted on					
0167	1	AT-F310A	Turbidity Analyzer/ Transmitter	Filter TKF300A Outlet Turbidity					E&I Contractor	E&I Contractor	HDPE wall mounted panel		WF-P0003	WB-A0459	WB-A0459	WF-M0452
0168	1	AT-F310B	Particle Counter Transmitter	Filter TKF300A Outlet Particle Count					E&I Contractor	E&I Contractor			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
0474		EL E040D		EIII THEODOLO II I D.					5010 1	Fal 0	Rotameter Complete With Low Flow		INE DOOD		WE MO (50	WE 50400
0171	1			Filter TKF300A Outlet Particle Counter Sample Flow					E&I Contractor	E&I Contractor	Switch		WF-P0003	WD 40442	WF-M0452	WF-E0103
0172	1	FS-F310B LT-F400A	Flow Switch Level Indicator Transmitter	Filter TKF300A Outlet Particle Counter Sample Flow Low Filter No. 4 Level		1201/	0.10 m	Wall/ Stand	E&I Contractor E&I Contractor	E&I Contractor E&I Contractor		l120	WF-P0003 WF-P0004	WB-A0463 WB-A0455	WF-M0452 WB-A0402	WF-E0103 WF-E0133
0173 0174	1	LE-F400A		Filter No. 4 Level		120V	0-10 m		E&I Contractor	E&I Contractor		I120	WF-P0004	WB-A0455	WB-A0402 WB-A0401	WF-E0133
0174	_ '	LL-1 400A	Differential Pressure Indicator	I MC NO. 4 LCVCI				Flange	Ext Contractor	Edi Contractor		1120	WI -1 0004	WD-A0433	WB-70401	WI -L0133
0175	1	PT-F400A	Transmitter	Overall Filter Differential Pressure		Loop Powered	0-180 Kpa	Manifold	E&I Contractor	Mech. Contractor		I110	WF-P0004	WB-A0465	WF-M0451	WF-E0103
0176	1	FT-F403A		Filter TKF400A Outlet Flow		120V	'	Wall/Stand	Mech. Contractor	E&I Contractor		I100	WF-P0004	WB-A0453	WB-A0402	WF-E0103
0177	1	FE-F403A	Flow Element	Filter TKF400A Outlet Flow				Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0004	WB-A0453	WB-A0453	WF-M0403
											Analyzer assembly mounted on					
0178	1		Turbidity Analyzer/ Transmitter	Filter TKF400A Outlet Turbidity					E&I Contractor	E&I Contractor	HDPE wall mounted panel		WF-P0004	WB-A0459	WB-A0459	WF-M0452
0179	1	AT-F410B	Particle Counter Transmitter	Filter TKF400A Outlet Particle Count					E&I Contractor	E&I Contractor			WF-P0004		WF-M0452	WF-E0103
											Rotameter Complete With Low Flow					
0180	1		Flow Indicator	Filter TKF400A Outlet Turbidity Sample Flow					E&I Contractor	E&I Contractor	Switch		WF-P0004	11/5 404/0	WF-M0452	WF-E0103
0181	1	FS-F410A	Flow Switch	Filter TKF400A Outlet Turbidity Sample Flow Low					E&I Contractor	E&I Contractor			WF-P0004	WB-A0463	WF-M0452	WF-E0103
0182	1	FI-F410R	Flow Indicator	Filter TKF400A Outlet Particle Counter Sample Flow					E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WF-P0004		WF-M0452	WF-E0103
0183	1		Flow Switch	Filter TKF400A Outlet Particle Counter Sample Flow Low					E&I Contractor	E&I Contractor	SWIGH		WF-P0004	WB-A0463	WF-M0452	WF-E0103
0184	1			Filter No. 5 Level		120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WF-P0005	WB-A0455	WB-A0402	WF-E0134
0185	1		Level Element	Filter No. 5 Level				Flange	E&I Contractor	E&I Contractor		I120	WF-P0005	WB-A0455	WB-A0401	WF-E0134
1			Differential Pressure Indicator						1							
0186	1	PT-F500A		Overall Filter Differential Pressure		Loop Powered	0-180 Kpa	Manifold	E&I Contractor	Mech. Contractor		I110	WF-P0005	WB-A0465	WF-M0451	WF-E0104
0187	1	FT-F503A	Flow Indicator Transmitter	Filter TKF500A Outlet Flow	1	120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WF-P0005	WB-A0453	WB-A0402	WF-E0104
0188	1	FE-F503A	Flow Element	Filter TKF500A Outlet Flow				Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0005	WB-A0453	WB-A0453	WF-M0403
											Analyzer assembly mounted on					
0189	1		, ,	Filter TKF500A Outlet Turbidity					E&I Contractor	E&I Contractor	HDPE wall mounted panel		WF-P0005	WB-A0459	WB-A0459	WF-E0104
0190	1	AT-F510B	Particle Counter Transmitter	Filter TKF500A Outlet Particle Count					E&I Contractor	E&I Contractor			WF-P0005		WF-M0452	WF-E0104
0101	1	ELEE104	Flow Indicator	Filter TKEFOOA Outlet Turbidity Comple Flour					EVI Contractor	E 9   Contractor	Rotameter Complete With Low Flow		WE DOOOL		WE MOVES	WE E0104
0191	1	AUI CT-IT	Flow Indicator	Filter TKF500A Outlet Turbidity Sample Flow					E&I Contractor	E&I Contractor	Switch		WF-P0005		WF-M0452	WF-E0104

				PERSONAL				RUMENT INDEX							I		T
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.
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
0193 0104	1	FS-F510B	Flow Switch	Filter TKF500A Outlet Particle Counter Sample Flow  Filter TKF500A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor	SWILLII		WF-P0005	WB-A0463	WF-M0452	WF-E0104
0195	1	LT-F600A	Level Indicator Transmitter	Filter No. 6 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0006	WB-A0455	WB-A0402	WF-E0134
0196	1		Level Element	Filter No. 6 Level			1201	0 10 111	Flange	E&I Contractor	E&I Contractor		1120	WF-P0006		WB-A0401	WF-E0134
0.70	•		Differential Pressure Indicator		+				i idingo	Lai somiasioi	Lai comiació		20		115710100	115710101	111 20101
0197	1	PT-F600A	Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	Mech. Contractor		I110	WF-P0006	WB-A0465	WF-M0451	WF-E0104
0198	1	FT-F603A	Flow Indicator Transmitter	Filter TKF600A Outlet Flow			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WF-P0006	WB-A0453	WB-A0402	WF-E0104
0199	1	FE-F603A	Flow Element	Filter TKF600A Outlet Flow					Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0006	WB-A0453	WB-A0453	WF-M0403
												Analyzer assembly mounted on					
0200	1	AT-F610A	Turbidity Analyzer/ Transmitter	Filter TKF600A Outlet Turbidity						E&I Contractor	E&I Contractor	HDPE wall mounted panel		WF-P0006	WB-A0459	WB-A0459	WF-E0104
0201	1	AT-F610B	Particle Counter Transmitter	Filter TKF600A Outlet Particle Count						E&I Contractor	E&I Contractor			WF-P0006		WF-M0452	WF-E0104
												Rotameter Complete With Low Flow					
0202	1		Flow Indicator	Filter TKF600A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	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
0005	1		Flow Switch	Filter TKF600A Outlet Particle Counter Sample Flow Low						E&I Contractor	E&I Contractor	SWIICH		WF-P0006	WB-A0463	WF-M0452	WF-E0104
0205	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		Level Element	Filter No. 7 Level			1201	0 10 111	Flange	E&I Contractor	E&I Contractor		1120	WF-P0007	WB-A0455	WB-A0401	WF-E0134
	•		Differential Pressure Indicator		+				i idingo	Lai somiasioi	Lai comiació		20		115710100	115710101	111 20101
0208	1	PT-F700A	Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	Mech. Contractor		I110	WF-P0007	WB-A0465	WF-M0451	WF-E0104
0209	1	FT-F703A	Flow Indicator Transmitter	Filter TKF700A Outlet Flow			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WF-P0007	WB-A0453	WB-A0402	WF-E0104
0210	1	FE-F703A	Flow Element	Filter TKF700A Outlet Flow					Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0007	WB-A0453	WB-A0453	WF-M0404
												Analyzer assembly mounted on					
0211	1	AT-F710A	Turbidity Analyzer/ Transmitter	Filter TKF700A Outlet Turbidity						E&I Contractor	E&I Contractor	HDPE wall mounted panel		WF-P0007	WB-A0459	WB-A0459	WF-E0104
0212	1	AT-F710B	Particle Counter Transmitter	Filter TKF700A Outlet Particle Count						E&I Contractor	E&I Contractor			WF-P0007		WF-M0452	WF-E0104
		E. E	E								5-1-0	Rotameter Complete With Low Flow					
0213	1		Flow Indicator	Filter TKF700A Outlet Turbidity Sample Flow						E&I Contractor	E&I Contractor	Switch		WF-P0007	WD 404/2	WF-M0452	WF-E0104
0214	'	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
0215	1	FI-F710B	Flow Indicator	Filter TKF700A Outlet Particle Counter Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow 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	O Million		WF-P0007	WB-A0463	WF-M0452	WF-E0104
0217	1		Level Indicator Transmitter	Filter No. 8 Level			120V	0-10 m	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WF-P0008		WB-A0402	WF-E0134
0218	1	LE-F800A	Level Element	Filter No. 8 Level					Flange	E&I Contractor	E&I Contractor		l120	WF-P0008	WD AD4EE	WB-A0401	WF-E0134
			Differential Pressure Indicator														+
0219	1	PT-F800A	Transmitter	Overall Filter Differential Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	Mech. Contractor		I110	WF-P0008	WB-A0465	WF-M0451	WF-E0104
0220	1		Differential Pressure Indicator	Top Filter Media Differential Pressure						Mech. Contractor	Mech. Contractor		I110	WF-P0008		WF-M0451	
0221	1		Differential Pressure Indicator	Bottom Filter Media Differential Pressure						Mech. Contractor	Mech. Contractor		I110	WF-P0008		WF-M0451	
0222	1		Flow Indicator Transmitter	Filter TKF800A Outlet Flow			120V		Wall/Stand	Mech. Contractor	E&I Contractor		l100	WF-P0008	WB-A0453	WB-A0402	WF-E0104
0223	1	FE-F803A	Flow Element	Filter TKF800A Outlet Flow					Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0008	WB-A0453	WB-A0453	WF-M0404
0224	1	AT E010A	Turbidity Apolyzor/ Transmitter	Filter TKF800A Outlet Turbidity						EVI Contractor	E81 Contractor	Analyzer assembly mounted on HDPE wall mounted panel		WF-P0008	WB-A0459	WF-M0452	WF-E0104
0224	1		Turbidity Analyzer/ Transmitter  Particle Counter Transmitter	Filter TKF800A Outlet Turbidity Filter TKF800A Outlet Particle Count		ļ				E&I Contractor E&I Contractor	E&I Contractor E&I Contractor	HOPE wan mounted parier		WF-P0008 WF-P0008	VVD-AU439	WF-M0452 WF-M0452	WF-E0104 WF-E0104
0225	'	V1-1010D	Tarable Counter Hansmiller	THE THE OVER OURSELF ARREST COURT						Lai Conilacioi	EXT CONTRACTOR	Rotameter Complete With Low Flow		VV1 -F 0008		VVI TIVIU43Z	VVI -LU IU4
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		Filter TKF800A Outlet Turbidity Sample Flow Low						E&I Contractor	E&I Contractor			WF-P0008	WB-A0463	WF-M0452	WF-E0104
	+			,	+	1						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
		DT					_				L	Flange mounted pressure transmitter					
0230	1			Backwash Tank TNKF910A Level			Loop Powered	U-180 Кра	Ů	E&I Contractor	Mech. Contractor	measuring level in tank	l111	WF-P0009	WB-A0465	WB-A0408	WF-E0102
0231	1	F1-F911A	Flow Indicator Transmitter	Filter Backwash Pump P-F911A Outlet Flow			120V		Wall/Stand	Mech. Contractor	E&I Contractor		l100	WF-P0009	WB-A0453	WB-A0402	WF-E0103

							INST	RUMENT 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.
0232	1		Flow Element	Filter Backwash Pump P-F911A Outlet Flow					Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0009	WB-A0453	WB-A0453	WF-E0103
0233	1	PI-F911A	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	I115	WF-P0009			WF-E0103
0235	1	PT-F911A	Pressure Indicator Transmitter	Filter Backwash Pump P-F911A Outlet Pressure			Loop Powered	0-180 Kpa	Manifold	E&I Contractor	E&I Contractor	'	l111	WF-P0009	WB-A0465		WF-E0103
0236	1	TT-F911A	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature				'		Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0103
0237	1	TT-F911B	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0103
0238	1	TT-F911C	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0103
0239	1	TT-F911D	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
0240	1	TT-F911E	Temperature Transmitter	Filter Backwash Pump P-F911A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	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	l131	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	TT-F911H	Temperature Transmitter	Filter Backwash Pump P-F911A Back Bearing Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0103
0244	1	TT-F911A	Temperature Indicator Transmitter	Filter Backwash Pump P-F911A Outlet Temperature						E&I Contractor	E&I Contractor		I131	WF-P0009			WF-E0103
0245	1	TE-F911A	Temperature Element	Filter Backwash Pump P-F911A Outlet Temperature					Thermowell	E&I Contractor	Mech. Contractor		I131	WF-P0009			WF-E0103
0246	1		Vibration Transmitter	Filter Backwash Pump P-F911A Vibration						Vendor Package	Mech. Contractor	Wired to local panel		WF-P0013			WF-E0103
	·																
												Flange mounted pressure transmilter					1
0247	1	PT-F920A	Pressure Indicator/Level Transmitter	Backwash Tank TNKF920A Level			Loop Powered	0-180 Kpa	Flange	E&I Contractor	Mech. Contractor	measuring level in tank	I120	WF-P0009	WB-A0465	WB-A0408	WF-E0104
0248	1		Flow Indicator Transmitter	Filter Backwash Pump P-F921A Outlet Flow			120V	'	Wall/Stand	Mech. Contractor	E&I Contractor	J J	I100	WF-P0009	WB-A0453	WB-A0402	WF-E0104
0249	1		Flow Element	Filter Backwash Pump P-F921A Outlet Flow					Flange	Mech. Contractor	Mech. Contractor	600 mm	I100	WF-P0009	WB-A0453	WB-A0453	WF-E0104
0250	1		Pressure Indicator	Filter Backwash Pump P-F921A Outlet Pressure					3.	Mech. Contractor	Mech. Contractor		l112	WF-P0009			WF-E0104
0251	1		Pressure Switch	Filter Backwash Pump P-F921A High Outlet Pressure						E&I Contractor	E&I Contractor	Wired to local panel	I115	WF-P0009			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		1111	WF-P0009	WB-A0465		WF-E0104
0253	1	TT-F921A	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	l131	WF-P0013			WF-E0104
0254	1	TT-F921B	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	I131	WF-P0013			WF-E0104
0255	1	TT-F921C	Temperature Transmitter	Filter Backwash Pump P-F921A Winding Temperature						Vendor Package	Mech. Contractor	Wired to local panel	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	I131	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	I131	WF-P0013			WF-E0104
0261	1	TT-F921A	Temperature Indicator Transmitter	Filter Backwash Pump P-F921 Outlet Temperature						E&I Contractor	E&I Contractor	Willou to local parier	I131	WF-P0009			WF-E0104
0262	1	TE-F921A	Temperature Element	Filter Backwash Pump P-F921 Outlet Temperature					Thermowell	E&I Contractor	Mech. Contractor		I131	WF-P0009			WF-E0104
0263	1	VT-F921A	Vibration Transmitter	Filter Backwash Pump P-F921A Vibration					memowen	Vendor Package	Mech. Contractor	Wired to local panel	1101	WF-P0013			WF-E0104
0264	0		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		Level Indicator Transmitter	Backwash Area Process Sump Pump Level			120V	0-3 m	Wall/ Stand	E&I Contractor	E&I Contractor	I and the desire graining	I120	WF-P0012	WB-A0455	WB-A0402	WF-E0104
0266	0	LE-F980B	Level Element	Backwash Area Process Sump Pump Level			120 V	0 0 111	Flange	E&I Contractor	E&I Contractor		I120	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		Conductivity Level Switch	Backwash Area Process Sump Pump P-F984A Stop Level			120V	0 0 111	Flange	E&I Contractor	E&I Contractor		1126	WF-P0012	WB-A0458	N/A	WF-E0104
0269	0		Conductivity Level Switch	Backwash Area Process Sump Pump P-F984A Start Level			120V		Flange	E&I Contractor	E&I Contractor		1126	WF-P0012	WB-A0458	N/A	WF-E0104
0270	1		Flow Switch	Sprinkler and Standpipes Fire Pump Outlet Flow			1201		riange	Mech. Contractor	Mech. Contractor		TBC	WH-P0006	VVD 710+30	14/7.	WM-E0112
0270	1		Flow Switch	Outdoor Hydrant Emergency Pump Outlet Flow						Mech. Contractor	Mech. Contractor		TBC	WH-P0006			WM-E0112
0272	1		Flow Element	Fire Pump Test Line Flow						Mech. Contractor	Mech. Contractor	200 mm	I100	WH-P0006			WM-E0112
	1		Flow Indicator Transmitter	· ·					Wall/Stand			200 11111			WD 00465		WM-E0112
0273	1			Fire Pump Test Line Flow  Fire Pump Poom Process Sump Level					Wall/Stand	Mech. Contractor	E&I Contractor		I100	WH-P0006	WB-A0465 WB-A0455		
0274	1		Level Element	Fire Pump Room Process Sump Level			120\/	0.2 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WH-P0007			WM-E0112
0275	1			Fire Pump Room Process Sump Level			120V	0-2 mtrs	vvali/ Statiu	E&I Contractor	E&I Contractor		I120	WH-P0007	WB-A0455 WB-A0455	WB-A0402 WB-A0401	WM-E0112 WM-E0112
0276	1		Level Element	Fire Pump Room Process Sump Level			1201/	0.2 mtrc	Mall/ Stand	E&I Contractor	E&I Contractor		l120	WH-P0007		WB-A0401 WB-A0402	
0277	1			Fire Pump Room Process Sump Level			120V	0-2 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor	Wired to local control panel	I120	WH-P0007	WB-A0455 WB-A0463		WM-E0112 WM-E0112
0278	1		Level Switch	Fire Pump Room Sanitary Sump Low Love Switch		ļ	120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0001			
0279	1			Fire Pump Room Sanitary Sump Low Level Switch		ļ	120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0001	WB-A0463		WM-E0112
0280	1	LS-H500C	Level Switch	Fire Pump Room Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	I125	WH-P0001	WB-A0463	WB-A0406	WM-E0112
0281	ı	LS-H500D	Level Switch	Fire Pump Room Sanitary Sump High Level Switch		ļ	120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0001	WB-A0463	WB-A0406	WM-E0112
0282	1	LS-H510A	Level Switch	Backwash Pump Gallery Sanitary Sump Low Low Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0002	WB-A0463	WB-A0406	WF-E0104

								RUMENT INDEX									
RECORD	REV.	TAG		DESCRIPTION	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		BY	BY		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
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	LS-H510C	Lovel Switch	Backwash Pump Gallery Sanitary Sump High High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0002	WB-A0463	WB-A0406	WF-E0104
0204	1									Ů		'					
0203	1	LS-H510D	Level Switch	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	1125	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	l125	WH-P0003	WB-A0463	WB-A0406	WA-E0102
0288	1	LS-H530A	Level Switch	Admin Area Sanitary Sump Light Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0289	1	LS-H530B	Level Switch	Admin Area Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0290	1	LS-H530C	Level Switch	Admin Area Sanitary Sump High High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	1125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0291	1	LS-H530D	Level Switch	Admin Area Sanitary Sump High Level Switch			120V			Vendor Package	E&I Contractor	Wired to local control panel	l125	WH-P0004	WB-A0463	WB-A0406	WA-E0102
0292	1	PS-H601A	Pressure Switch	Wet Air Receiver PV-H601A High Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0293	1	PS-H601B	Pressure Switch	Wet Air Receiver PV-H601B Low Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0294	1	PS-H602A	Pressure Switch	Wet Air Receiver PV-H602A High Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0295	1	PS-H602B	Pressure Switch	Wet Air Receiver PV-H602B Low Pressure						Vendor Package	Mech. Contractor	Wired to local control panel		WH-P0008			WF-E0134
0296	1	PS-H605A	Pressure Switch	Dry Air Receiver PV-H605A High Pressure						Mech. Contractor	Mech. Contractor			WH-P0008	WBA0463		WF-E0134
0297	1	PS-H605B	Pressure Switch	Dry Air Receiver PV-H605A Low Pressure						Mech. Contractor	Mech. Contractor			WH-P0008	WBA0463		WF-E0134
0298	1	PT-H701A	Pressure Indicator Transmitter	Potable Water to Clearwell Area Pressure			Loop Powered	0-500 Kpa	Gauge Valve	E&I Contractor	E&I Contractor		l111	WH-P0005	WB-A0465		WA-E0102
0299	1	PT-H704A	Pressure Indicator Transmitter	Potable Water to Water Treatment Plant Pressure			Loop Powered	0-500 Kpa	Caugo Valvo	E&I Contractor	E&I Contractor		l111	WH-P0005	WB-A0465		WA-E0102
0300	1	LT-1000A	Level Indicator Transmitter	Raw Water Pumping Station Level			120V	0-12 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		1110	WI-P0003	WB-A0465	WB-A0402	WI-E0132
0300	1	LE-1000A	Level Element	Raw Water Pumping Station Level			1200	0-12 111113	Flange	E&I Contractor	E&I Contractor		1120	WI-P0001	WB-A0455	WB-A0402	WI-E0132
0301	1	LE-1000A	Level Element	Raw Water Pumping Station Level					Flange	E&I Contractor	E&I Contractor		1400	WI-P0001	WB-A0455	WB-A0401	WI-E0132 WI-E0132
0302	1			. •			1201/	0.12 mtrc	· ·				1120	WI-P0002	WB-A0455		
0303	1	LT-1000B	Level Indicator Transmitter	Raw Water Pumping Station Level			120V	0-12 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor	Measured from floor of well	1120			WB-A0402	WI-E0132
0304	1	LS-1000A LS-1000B	Level Switch	Raw Water Pumping Station Low Low Level			120V	3 mtrs	Bracket	E&I Contractor	E&I Contractor		1125	WI-P0001 WI-P0002	WB-A0463 WB-A0463	WB-A0406 WB-A0406	WI-E0132 WI-E0132
0305	1	LS-1000B	Level Switch	Raw Water Pumping Station Low Low Level			120V	3 mtrs 12.4 mtrs	Bracket	E&I Contractor	E&I Contractor	Measured from floor of well  Measured from floor of well	1125	WI-P0002	WB-A0463	WB-A0406	WI-E0132 WI-E0132
0306	1		Level Switch Level Switch	Raw Water Pumping Station High High Level			120V	12.4 mtrs	Bracket	E&I Contractor	E&I Contractor	Measured from floor of well	1125		WB-A0463	WB-A0406	
0307	1	LS-I000D		Raw Water Pumping Station High High Level			120V		Bracket	E&I Contractor	E&I Contractor	ivieasured from floor of well	l125	WI-P0002	WD-A0403		WI-E0132
0308	1	PI-I001A	Pressure Indicator	Raw Water Pump P-1001A Outlet Pressure				0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor		l112	WI-P0001		WB-A0404	WI-M0201
0309	1	PI-1001B	Pressure Indicator Speed Indicator Transmitter	Raw Water Pump P-1001A Outlet Pressure			1201/	0-300Kpa	Pipe Motor	Mech. Contractor	Mech. Contractor		l112	WI-P0001 WI-P0003		WB-A0404	WI-M0201
0310	1		Speed Indicator Transmitter	Raw Water Pump P-1001A Speed Monitor			120V			Supply Contractor	E&I Contractor	Fitted to nump Motor	1121		W/D A0466		WI-E0132
0311	1	TE-I001A	Temperature Element	Raw Water Pump P-1001A Top Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132
0312	1	TE-I001B	Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0313	1	TE-1001C	Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0314	1		Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0315	1		Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0316	1		Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor		l131	WI-P0003	WB-A0466		WI-E0132
0317	1		Temperature Element	Raw Water Pump P-1001A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0003	WB-A0466		WI-E0132
0318	1		Temperature Element	Raw Water Pump P-1001A Bottom Bearing Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132
0319	'	TE-I001I	Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003	WB-A0466		WI-E0132
0320	1	TT-I001I	Temperature Transmitter	VSD Temperature Monitor			120V		Local Control Panel	Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
0320	1		Temperature Element	VSD Temperature Monitor			24VDC		Motor	Supply Contractor  Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003			WI-E0132 WI-E0132
0021		1 = 100 IJ	remperature Element	10 Tomporatare monitor			21100		IVIOLOI	Supply Contractor	Supply Contractor	i illou to vob		VVI-1 0003			VVI-LUIJZ
	1								Local Control								
0322	1	TT-I001J	Temperature Transmitter	VSD Temperature Monitor			120V			Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
0323	1		`	Raw Water Pump P-1001A Vibration Monitor			120V		Motor	Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
0324	1		Pressure Indicator	Raw Water Pump P-1002A Outlet Pressure			-	0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor		l112	WI-P0001		WB-A0404	WI-M0201
0325	1		Pressure Indicator	Raw Water Pump P-1002A Outlet Pressure				0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor		l112	WI-P0001		WB-A0404	WI-M0201
0326	1		Speed Indicator Transmitter	Raw Water Pump Pl002 Speed Monitor			120V	er pe	Motor	Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
0327	1		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		Temperature Element	Raw Water Pump P-1002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	I131	WI-P0003	WB-A0466		WI-E0132
0329	1		Temperature Element	Raw Water Pump P-1002A Winding Temperature			24VDC		Motor	Supply Contractor	Supply Contractor		1131	WI-P0003			WI-E0132
JJ2 /	'	1 L 1002C	romporature Element	man mater i ump i 1002/1 willully reliperature			21100		IVIOLOI	Supply Contractor	Supply Contractor	rated to pump word	1131	VVI-1 0003	**D-V0400		WI-LUIJZ

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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	331111121113	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0330	1	TE-1002D	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-I002E	Temperature Element	Raw Water Pump P-1002A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132
0332	1	TE-I002F	Temperature Element	Raw Water Pump P-1002A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132
0333	1	TE-I002G	Temperature Element	Raw Water Pump P-1002A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132
0334	1	TE-I002H	Temperature Element	Raw Water Pump P-1002A Bottom Bearing Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0003	WB-A0466		WI-E0132
0335	1	TE-I002I	Temperature Element	VSD Temperature Monitor		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003			WI-E0132
0227	1	TT 10001	Town crob up Tropowittor	VCD Townsestive Maritar		1201/		Local Control	Cumulu Cantrastar	E 0.1 Combrantos			W/I D0000			WI F0122
0336	1		Temperature Transmitter	VSD Temperature Monitor		120V			Supply Contractor	E&I Contractor	Fitted to VCD		WI-P0003			WI-E0132
0337	'	TE-I002J	Temperature Element	VSD Temperature Monitor		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0003			WI-E0132
0338	1	TT-I002J	Temperature Transmitter	VSD Temperature Monitor		120V		Local Control Panel	Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
0339	1	VT-I0023	Vibration Indication Transmitter	Raw Water Pump P-I002A Vibration Monitor		120V		Motor	Supply Contractor  Supply Contractor	E&I Contractor			WI-P0003			WI-E0132
0340	1	PI-1002A	Pressure Indicator	Raw Water Pump P-1003A Outlet Pressure		1200	0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor		1112	WI-P0002		WB-A0404	WI-M0201
0341	1	PI-1003B	Pressure Indicator	Raw Water Pump P-1003A Outlet Pressure			0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor		1112	WI-P0002		WB-A0404	WI-M0201
0342	1	ST-1003A	Speed Indicator Transmitter	Raw Water Pump P-1003A Speed Monitor		120V	0 0001.ра	Motor	Supply Contractor	E&I Contractor		1112	WI-P0004		WBAGGG	WI-E0132
0343	1	TE-I003A	Temperature Element	Raw Water Pump P-1003A Top Bearing Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0004	WB-A0466		WI-E0132
0344	1	TE-I003B	Temperature Element	Raw Water Pump P-1003A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0004	WB-A0466		WI-E0132
0345	1	TE-I003C	Temperature Element	Raw Water Pump P-1003A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0004	WB-A0466		WI-E0132
0346	1	TE-I003D	Temperature Element	Raw Water Pump P-1003A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	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	l131	WI-P0004	WB-A0466		WI-E0132
0348	1	TE-I003F	Temperature Element	Raw Water Pump P-1003A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	l131	WI-P0004	WB-A0466		WI-E0132
0349	1	TE-I003G	Temperature Element	Raw Water Pump P-1003A 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	l131	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
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								Local Control								!
0352	1	TT-I003I	Temperature Transmitter	VSD Temperature Monitor		120V		Panel	Supply Contractor	E&I Contractor			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
								Local Control								
0354	1	TT-I003J	Temperature Transmitter	VSD Temperature Monitor		120V		Panel	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0355	1	VT-1003A	Vibration Indicator Transmitter	Raw Water Pump P-1003A Vibration Monitor		120V		Motor	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0356	1	PI-1004A	Pressure Indicator	Raw Water Pump P-1004A Outlet Pressure			0-200Kpa	Pipe	Mech. Contractor	Mech. Contractor		l112	WI-P0002		WB-A0404	WI-M0201
0357	1	PI-1004B	Pressure Indicator	Raw Water Pump P-1004A Outlet Pressure			0-300Kpa	Pipe	Mech. Contractor	Mech. Contractor		l112	WI-P0002		WB-A0404	WI-M0201
0358	1		Speed Indicator Transmitter	Raw Water Pump P-1004A Speed Monitor		120V		Motor	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0359	1		Temperature Element	Raw Water Pump P-1004A Top Bearing Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0004	WB-A0466		WI-E0132
0360	1		Temperature Element	Raw Water Pump P-1004A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0004	WB-A0466		WI-E0132
0361	1		Temperature Element	Raw Water Pump P-1004A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor		1131	WI-P0004	WB-A0466		WI-E0132
0362	1	TE-1004D	Temperature Element	Raw Water Pump P-1004A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	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	1131	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	1131	WI-P0004	WB-A0466		WI-E0132
0365	1	TE-I004G	Temperature Element	Raw Water Pump P-1004A Winding Temperature		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0004	WB-A0466		WI-E0132
0366	1		Temperature Element	Raw Water Pump P-1004A Bottom Bearing Temperature  VSD Temperature Monitor		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to pump Motor	1131	WI-P0004	WB-A0466		WI-E0132
0367	'	TE-I004I	Temperature Element	vsb remperature infolitor		24VDC		Motor	Supply Contractor	Supply Contractor	Fitted to VSD		WI-P0004			WI-E0132
								Loop Control								
0368	1	TT-I004I	Temperature Transmitter	VSD Temperature Monitor		120V		Local Control Panel	Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0369	1		Temperature Element	VSD Temperature Monitor VSD Temperature Monitor		24VDC		Motor	Supply Contractor		Fitted to VSD		WI-P0004			WI-E0132 WI-E0132
3307		I L 10045	Tomporature Element	100 Tomporature Monitor		24000		MOTO	Supply Contractor	Supply Contractor	T MOU TO VOD		VVI 1 0004			WI LUIJZ
								Local Control								
0370	1	TT-I004J	Temperature Transmitter	VSD Temperature Monitor		120V			Supply Contractor	E&I Contractor			WI-P0004			WI-E0132
0371	1		Vibration Indicator Transmitter	Raw Water Pump P-1004A Vibration Monitor	+	120V		Motor	Supply Contractor	E&I Contractor		+	WI-P0004			WI-E0132
0372	1		Temperature Indicator Transmitter	Train 1 Raw Water Temperature			0-30 C	Head	E&I Contractor	Mech. Contractor	+	l131	WP-P0001	WB-A0465		WA-E0102
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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	WANDIACIONEN	WODEL	SUPPLY	RANGE	MODIVINO	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0373	1	TE-I011A	Temperature Element	Train 1 Raw Water Temperature					Thermowell	E&I Contractor	Mech. Contractor		l131	WP-P0001		WB-A0408	WA-E0102
0374	1	TT-I012A	Temperature Indicator Transmitter	Train 2 Raw Water Temperature				0-30 C	Head	E&I Contractor	Mech. Contractor		l131	WP-P0001	WB-A0465		WA-E0102
0375	1	TE-I012A	Temperature Element	Train 2 Raw Water Temperature					Thermowell	E&I Contractor	Mech. Contractor		l131	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		l112	WP-P0001		WB-A0404	WP-M0208
0377	0	PI-I014A	Pressure Indicator	Common Standby Ferric Chloride Dosing Flash Mixing Pump P-I014A Discharge Pressure Gauge					Pipe	Mech. Contractor	Mech. Contractor		l112	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	1	FS-I017D	Flow Switch	Train 1 Ferric Chloride Dosing Flow Low		<del> </del>					Mech. Contractor		1105	WP-P0001	WB-A0463		WA-E0102
0380	1	FS-I018D	Flow Switch	Train 2 Ferric Chlroride Dosing Flow Low							Mech. Contractor		l105	WP-P0001	WB-A0463		WA-E0102
0381	1	FS-I022E	Flow Switch	Train 1 Sulphuric Acid Dosing Flow Low							Mech. Contractor		I105	WP-P0001	WB-A0463		WA-E0102
0382	1	FS-I023E	Flow Switch	Train 2 Sulfphuric Acid Dosing Flow Low							Mech. Contractor		l105	WP-P0001	WB-A0463		WA-E0102
0383	1	AE-I024B	pH Element	Raw Water pH					Backboard	E&I Contractor	E&I Contractor	Analytical instruments shall be mounted on backboards		WP-P0001		WB-A0409	WA-E0102
0384	1	AT-I024B	pH Indicator Transmitter	Raw Water pH					Backboard	E&I Contractor	E&I Contractor			WP-P0001		WB-A0409	WA-E0102
0385	1	FI-I024B	Sample Flow Indicator	Raw Water pH Sample Flow					Backboard	E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WP-P0001		WB-A0409	
0386	1	FS-I024B	Flow Switch	Raw Water pH Low Sample Flow		1			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			WP-P0001			WA-E0102
0388	0	AE-I025B	pH Element	Train 1 Post Flash Mixer Raw Water pH					Backboard	E&I Contractor	E&I Contractor			WP-P0001			WA-E0102
0389	0		Sample Flow Indicator	Train 1 Post Flash Mixer Raw Water pH Sample Flow					Backboard	E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WP-P0001			
0390	1	FS-I025B	Flow Switch	Train 1 Post Flash Mixer Raw Water pH Low Sample Flow					Backboard	E&I Contractor	E&I Contractor		l105	WP-P0001	WB-A0463		WA-E0102
0391	1	AT-I026B	pH Indicator Transmitter	Train 2 Post Flash Mixer Raw Water pH						E&I Contractor	E&I Contractor			WP-P0001	WB-A0460	WB-A0409	WP-M0111
0392	1	AE-I026B	pH Element	Train 2 Post Flash Mixer Raw Water pH						E&I Contractor	E&I Contractor			WP-P0001		WB-A0409	WP-M0111
0393	0	FI-I026B	Sample Flow Indicator	Train 2 Post Flash Mixer Raw Water pH Low Sample Flow						E&I Contractor	E&I Contractor	Rotameter Complete With Low Flow Switch		WP-P0001			
0394	1	FS-I026B	Flow Switch	Train 2 Post Flash Mixer Raw Water pH Sample Flow		<del> </del>				E&I Contractor	E&I Contractor		1105	WP-P0001	WB-A0463		WP-M0111
0395	1	AT-I027B	Turbidity Indicator Transmitter	Raw Water Turbidity					Backboard	E&I Contractor	E&I Contractor			WP-P0001	WB-A0459	WB-A0409	WP-M0111
0396	1	AE-I027B	Turbidity Element	Raw Water Turbidity		<del> </del>			Backboard	E&I Contractor	E&I Contractor			WP-P0001	WB-A0460	WB-A0409	WP-M0111
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	1	FS-I027B	Flow Switch	Raw Water Turbidity Low Sample Flow					Backboard	E&I Contractor	E&I Contractor		1105	WP-P0001	WB-A0463	WB-A0409	WP-M0214
0399	1		Flow Element	Re- circ pump P-J701A Outlet Flow					Flange	Mech. Contractor	Mech. Contractor	100mm	I100	WF-P0014	WB-A0453	WB-A0453	WF-E0103
0400	1		Flow Indicator Transmitter	Re- circ pump P-J701A Outlet Flow			120V		ŭ	Mech. Contractor	E&I Contractor	Tooliili	I100	WF-P0014	WB-A0453	WB-A0402	WF-E0103
0401	1		Flow Element	Re- circ pump P-J702A Outlet Flow			1201		Flange	Mech. Contractor	Mech. Contractor	100mm	I100	WF-P0014	WB-A0453	WB-A0453	WF-E0103
0402	1		Flow Indicator Transmitter	Re- circ pump P-J702A Outlet Flow		1	120V		Wall/Stand	Mech. Contractor	E&I Contractor	Toomin	I100	WF-P0014	WB-A0453	WB-A0402	WF-E0103
0402	0		Level Element	Liquid Oxygen Storage Tank #1 Level		1	1200		Wall/Stariu	Supply Contractor	Supply Contractor		1100	WO-P0001	WB-A0433	WB-A0402	TBC
0403	0		Level Indicator Transmitter	Liquid Oxygen Storage Tank #1 Level		1		TBC	Wall/ Stand					WO-P0001	WB-A0465		TBC
	1					1	120V	TDC		Supply Contractor	Supply Contractor				WD-A0403		TBC
0405	1		Level Switch	Liquid Oxygen Storage Tank #1 Level Low				TDC	TBC	Supply Contractor	Supply Contractor		1111	WO-P0001	WD 404/F		
0406	1		Pressure Indicator Transmitter	Liquid Oxygen Storage Tank #1 Pressure			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	<u> </u>			Liquid Oxygen Storage Tank Outlet Presuure						Supply Contractor	Mech. Contractor		l112	WO-P0001			TBC
0409	1	TE-0012A	Temperature Element	Liquid Oxygen Tank Oxygen Temperature		<u> </u>				Supply Contractor	Mech. Contractor		I131	WO-P0001	MD 40.15		TBC
0410	1	TT-0012A	Temperature Indicator Transmitter	Liquid Oxygen Tank Oxygen Temperature				TDO		Supply Contractor	Mech. Contractor		l131	WO-P0001	WB-A0465		TBC
0411	1	PT-0015A	Pressure Indicator Transmitter	Liquid Oxygen Storage Tank Outlet Pressure			Loop Powered	TBC		Supply Contractor	Mech. Contractor		l111	WO-P0001	WB-A0465		TBC
0412	0	LE-O020A		Liquid Oxygen Storage Tank #2 Level		1				Supply Contractor	Supply Contractor			WO-P0002			TBC
0413	0		Level Indicator Transmitter	Liquid Oxygen Storage Tank #2 Level				TBC	Wall/ Stand	Supply Contractor	Supply Contractor			WO-P0002	WB-A0465		TBC
0414	1		Level Switch	Liquid Oxygen Storage Tank #2 Level Low			120V		TBC	Supply Contractor	Supply Contractor			WO-P0002			TBC
0415	1		Pressure Indicator Transmitter	Liquid Oxygen Storage Tank #2 Pressure			Loop Powered	TBC		Supply Contractor	Mech. Contractor		l111	WO-P0002	WB-A0465		TBC
0416	1	PS-0020A	Pressure Switch	Liquid Oxygen Storage Tank #2 Pressure High									I115	WO-P0002			TBC

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	BY	ВУ	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
110.	140.	TOTAL	WOTKOMENT THE	<u> </u>			001121	TOWE		51	51		DATIACONEET	Diutimio	LOOI DIII.	DETAIL	5110.
0417	1	PT-0030A	Pressure Indicator Transmitter	Liquid Oxygen Particle Filter GFO030A Differential Pressure			Loop Powered	13 Kpa	Gauge Valve	Supply Contractor	Mech. Contractor		l111	WO-P0003	WB-A0465	WB-A0404	WO-E0132
0418	1		Pressure Indicator Transmitter	Liquid Oxygen Particle Filter GFO031A Differential Pressure			Loop Powered	13 Kpa	Gauge Valve	Supply Contractor	Mech. Contractor		l111	WO-P0003	WB-A0465	WB-A0404	WO-E0132
0419	1		Analyser Element	Liquid Oxygen to Ozone Generators Dewpoint Analyzer						Supply Contractor	Mech. Contractor			WO-P0003			WO-E0132
0420	1		Dew Point Analyzer	Liquid Oxygen to Ozone Generators Dewpoint Analyzer						Supply Contractor	E&I Contractor			WO-P0003	WB-A0465		WO-E0132
0421	1		Pressure Indicator	Liquid Oxygen to Ozone Generators Pressure Indicator						Supply Contractor	Mech. Contractor		l112	WO-P0003			
0422	1	PI-O050A	Pressure Indicator	Nitrogen Boost Air Receiver Pressure						Supply Contractor	Mech. Contractor		l112	WO-P0004			
0423	1		Pressure Switch	Nitrogen Boost Air Receiver Pressure Switch High						Supply Contractor	Mech. Contractor		l115	WO-P0004			WC-E0131
0424	1		Analyser Element	Nitrogen Boost Unit to Ozone Generator Dewpoint						Supply Contractor	Mech. Contractor			WO-P0004			WC-E0131
0425	1	AT-0051A	Dew Point Analyzer	Nitrogen Boost Unit to Ozone Generator Dewpoint						Supply Contractor	E&I Contractor			WO-P0004	WB-A0465		WC-E0131
0426	1	FI-0051A	Flow Indicator	Nitrogen Boost Unit to Ozone Generators Flow						Supply Contractor	Mech. Contractor			WO-P0004			WC-E0131
0427	1	FS-0051A	Flow Switch	Nitrogen Boost Unit to Ozone Generators Low Flow						Supply Contractor	Mech. Contractor			WO-P0004			WC-E0131
0428	1	PI-0051A	Pressure Indicator	Nitrogen Boost Unit to Ozone Generators Pressure						Supply Contractor	Mech. Contractor		l112	WO-P0004			WO-M0401
0429	1	AE-O110A	Gas Sensor	Ambient Ozone Gas						Supply Contractor	E&I Contractor			WO-P0005			WO-E0132
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	1	PT-O110A	Pressure Indicator Transmitter	Liquid Oxygen to Ozone Generator GEN-O110A Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	Mech. Contractor		l111	WO-P0005	WB-A0465	WB-A0404	WO-E0132
0434	1	TE-O110A	Temperature Element	Liquid Oxygen to Ozone Generator GEN-O110A Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0005			WO-E0132
0435	1	TT-O110A	Temperature Indicator Transmitter	Liquid Oxygen to Ozone Generator GEN-O110A Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0005	WB-A0465		WO-E0132
0436	1	LS-0110A	Level Switch	Ozone Generator GEN-0110A Inlet Side High Level Switch			120V			Supply Contractor	Supply Contractor			WO-P0005			WO-E0132
0437	1	LS-0110B	Level Switch	Ozone Generator GEN-0110A Outlet Side High Level Switch			120V			Supply Contractor	Supply Contractor			WO-P0005			WO-E0132
				Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-													
0438	1	PT-0411A	Pressure Indicator Transmitter	0410 Inlet Pressure			Loop Powered	0-400 Kpa	Manifold	Supply Contractor	Mech. Contractor		l111	WO-P0016	WB-A0465		WO-E0132
0439	1	AE-0112A	Analyser Element	Ozone Generator GEN-O110A Outlet Ozone Gas						Supply Contractor	Mech. Contractor			WO-P0005			WO-E0132
0440	1	AT-O112A	Analyser Indicator Transmitter	Ozone Generator GEN-O110A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0005	WB-A0465		WO-E0132
0441	1	FE-0112A	Flow Element	Ozone Generator GEN-O110A Flow					Spool piece	Supply Contractor	Mech. Contractor	50 mm	I101	WO-P0005			WO-E0132
0442	1	FT-0112A	Flow Indicator Transmitter	Ozone Generator GEN-O110A Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		l101	WO-P0005	WB-A0454		WO-E0132
0443	1		Pressure Indicator Transmitter	Ozone Generator GEN-O110A Outlet Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	Mech. Contractor		l111	WO-P0005	WB-A0465	WB-A0404	WO-E0132
0444	1	TE-O112A	Temperature Element	Ozone Generator GEN-O110A Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0005			WO-E0132
0445	1	TT-0112A	Temperature Indicator Transmitter	Ozone Generator GEN-O110A Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0005	WB-A0465		WO-E0132
0446	1	AE-O130A	Gas Sensor	Ambient Ozone Gas						Supply Contractor	E&I Contractor			WO-P0006			WO-E0132
0447	1	AT-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
0449	1	AT-O130B	Gas Level Indicator Transmitter	Ambient Oxygen Gas Level						Supply Contractor	E&I Contractor			WO-P0006	WB-A0465		WO-E0132
0450	1		Pressure Indicator Transmitter	Liquid Oxygen to Ozone Generator GEN-O130A Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	Mech. Contractor		l1111	WO-P0006	WB-A0465	WB-A0404	WO-E0132
0451	1		Temperature Element	Liquid Oxygen to Ozone Generator GEN-O130A Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0006			WO-E0132
0452	1		Temperature Transmitter	Liquid Oxygen to Ozone Generator GEN-O130A Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0006	WB-A0465		WO-E0132
0453	1	LS-0130A	Level Switch	Ozone Generator GEN-0130A Inlet Side High Level Switch			120V			Supply Contractor	Supply Contractor			WO-P0006			WO-E0132
0454	1	LS-0130B	Level Switch	Ozone Generator GEN-O130A Outlet Side High Level Switch			120V			Supply Contractor	Supply Contractor			WO-P0006			WO-E0132
				Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX-													
0455	1		Pressure Indicator Transmitter	0420A Inlet Pressure			Loop Powered	0-400 Kpa	Manifold	Supply Contractor	Mech. Contractor		l1111	WO-P0017	WB-A0465		WO-E0132
0456	1		Analyser Element	Ozone Generator GEN-O130A Outlet Ozone Gas						Supply Contractor	Mech. Contractor			WO-P0006			WO-E0132
0457	1		Analyser Indicator Transmitter	Ozone Generator GEN-O130A Outlet Ozone Gas						Supply Contractor	E&I Contractor			WO-P0006	WB-A0465		WO-E0132
0458	1		Flow Element	Ozone Generator GEN-O130A Flow					1 1	Supply Contractor	Mech. Contractor	50 mm	l101	WO-P0006			WO-E0132
0459	1	FT-0132A	Flow Indicator Transmitter	Ozone Generator GEN-O130A Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		l101	WO-P0006	WB-A0454		WO-E0132
														l			
0460	1	PT-0132A	Pressure Indicator Transmitter	Ozone Generator GEN-0130A Outlet Pressure		1	Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	Mech. Contractor	1	l111	WO-P0006	WB-A0465	WB-A0404	WO-E0132

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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.
0461	1	TE-O132A	Temperature Element	Ozone Generator GEN-O130A Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0006			WO-E0132
0462	1	TT-O132A	Temperature Indicator Transmitter	Ozone Generator GEN-O130A Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0006	WB-A0465		WO-E0132
0463	1	AE-O150A	Gas Sensor	Ambient Ozone Gas						Supply Contractor	E&I Contractor			WO-P0007			WO-E0132
0464	1	AT-O150A	Gas Level Indicator Transmitter	Ambient Ozone Gas Level						Supply Contractor	E&I Contractor			WO-P0007	WB-A0465		WO-E0132
0465	0	PT-O150A	Pressure Indicator Transmitter	Liquid Oxygen to Ozone Generator GEN-0150A Pressure			Loop Powered	0-206 Kpa	Caugo Valvo	Supply Contractor	Mech. Contractor		l111	WO-P0007	WB-A0465	WB-A0404	WO-M0204
	1	TE-O150A	Temperature Element	Liquid Oxygen to Ozone Generator GEN-0150A Pressure			Loop Powered	0-200 кра	Gauge valve	Supply Contractor Supply Contractor	Mech. Contractor		I131	WO-P0007	WD-A0400	WD-A0404	WO-M0204
0466 0467	1	TT-O150A	Temperature Transmitter	Liquid Oxygen to Ozone Generator GEN-0150A Temperature							Mech. Contractor		1131	WO-P0007	WB-A0465		WO-M0204
	1	LS-0150A	Level Switch	Ozone Generator GEN-O150A Inlet Side High Level Switch			120V			Supply Contractor			1131	WO-P0007	WD-A0403		WO-IVI0204 WO-E0132
0468	1	LS-0150A	Level Switch	Ozone Generator GEN-O150A Uniter State High Level Switch			120V 120V			Supply Contractor	Supply Contractor			WO-P0007	ļ		WO-E0132 WO-E0132
0469	'	L3-U130B	Level Switch	· ·			1200			Supply Contractor	Supply Contractor			WO-P0007			WO-E0132
0470	1	PT-O431A	Pressure Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Inlet Pressure			Loop Powered	0-400 Kpa	Manifold	Supply Contractor	Mech. Contractor		1111	WO-P0018	WB-A0465		WO-E0132
0471	1		Analyser Element	Ozone Generator GEN-O150A Outlet Ozone Gas						Supply Contractor	Mech. Contractor			WO-P0007			WO-E0132
0472	1		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-0150A Flow					Spool piece	Supply Contractor	Mech. Contractor	50 mm	l101	WO-P0007			WO-E0132
0474	1	FT-O152A	Flow Indicator Transmitter	Ozone Generator GEN-0150A Flow		-	120V		Wall/Stand	Supply Contractor	E&I Contractor		1101	WO-P0007	WB-A0454		WO-E0132
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0475	1	PT-O152A	Pressure Indicator Transmitter	Ozone Generator GEN-0150A Outlet Pressure			Loop Powered	0-206 Kpa	Gauge Valve	Supply Contractor	Mech. Contractor		l111	WO-P0007	WB-A0465	WB-A0404	WO-E0132
0476	1	TE-O152A	Temperature Element	Ozone Generator GEN-0150A Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0007			WO-E0132
0477	1	TT-O152A	Temperature Indicator Transmitter	Ozone Generator GEN-0150A Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0007	WB-A0465		WO-E0132
0478	1	FE-O216A	Flow Element	Ozone Injection Line to Ozone Contactor #1 Flow					Spool piece	Supply Contractor	Mech. Contractor	38 mm	I101	WO-P0008			WO-E0132
0479	1	FT-0216A	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
0480	1	FE-O217A	Flow Element	Ozone Injection Line to Ozone Contactor #1 Flow					Spool piece	Supply Contractor	Mech. Contractor	38 mm	l101	WO-P0008	†		WO-E0132
0481	1	FT-0217A	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-0218A	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
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0484	1	AE-O221A	Analyser Element	Sample Element SE-0210A Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0485	1		Analyser Indicator Transmitter	Sample Element SE-0210A Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022	WB-A0465		WR-E0122
0486	1	FI-0221A	Flow Indicator	Sample Element SE-0210A Dissolved Ozone Sample Flow					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0.407	1	FC 0221A	Flow Code	County Flore and CF 0010A Plancked October County Law Flore					Damel	Complete Complete states	Ent Control to			INO DOOGO			WD F0100
0487	'	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	ΔF-Ω226Δ	Analyser Element	Sample Element SE-0210B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0400	'	AL-0220A	Analyser Element	Sample Element SE-92 10b bissolved Ozone Sample Analysei					i and	Supply Contractor	Lar contractor			WO-1 0022			WIN-LUIZZ
0489	1	AT-0226A	Analyser Indicator Transmitter	Sample Element SE-0210B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0022	WB-A0465		WR-E0122
0490	1		Flow Indicator	Sample Element SE-0210B Dissolved Ozone Sample Flow					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
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0491	1	FS-0226A	Flow Switch	Sample Element SE-0210B Dissolved Ozone Sample Low Flow					Panel	Supply Contractor	E&I Contractor			WO-P0022			WR-E0122
0492	1	FE-0236A	Flow Element	Ozone Injection Line to Ozone Contactor #2 Flow					Spool piece	Supply Contractor	Mech. Contractor	38 mm	l101	WO-P0009	<u> </u>		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		l101	WO-P0009	WB-A0454		WO-E0132
0494	1	FE-O237A	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
0.400		AT C044:	An along the disease T 20	County Florest CF 0000A Planty 10					Daniel	Committee Co. 1	Ent Comit			WO 50000	MD 404/5	·	WO 50446
0499	1		Analyser Indicator Transmitter	Sample Element SE-0230A Dissolved Ozone Sample Analyser						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	ES-02/11	Flow Switch	Sample Element SE-0230A Dissolved Ozone Sample Low Flow					Panol	Sunnly Contractor	E&I Contractor			WO-P0023			WC-E0112
0501		1 3-0241A	I IOW SWILLII	Dampic Eightent SE-0230A Dissolved Ozone Sample Low Flow					Panel	Supply Contractor	Lai Cuillaciui			VVO-PUU23			WC-EUTIZ

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	RECORD		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	ВУ		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
	0502	1	AE-O246A	Analyser Element	Sample Element SE-0230B Dissolved Ozone Sample Analyser					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
2	0503	1	AT-0246A	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-0246A	Flow Indicator	Sample Element SE-0230B Dissolved Ozone Sample Flow					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
Column	0505	1	FS-O246A	Flow Switch	Sample Element SE-0230B Dissolved Ozone Sample Low Flow					Panel	Supply Contractor	E&I Contractor			WO-P0023			WC-E0112
1	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-0310A	Temperature Switch	Electrolyser Power Supply Unit PSU-O310A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0019			WO-E0132
Process	0508	1													WO-P0019			WO-E0132
Section   1	0509	1	FI-O320A	Flow Indicator	Open Loop Cooling Water to Power Supply Unit PSU-0320A Flow										WO-P0020			WO-M0205
Section   Sect	0510	1	TS-O320A	Temperature Switch	Electrolyser Power Supply Unit PSU-O320A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0020			WO-E0132
1	0511	1	ZS-0320A	Position Switch	Electrolyser Power Supply Unit PSU-O320A Door Switch					Skid	Supply Contractor	Supply Contractor			WO-P0020			WO-E0132
1	0512	1	FI-O330A	Flow Indicator	Open Loop Cooling Water to Power Supply Unit PSU-0330A Flow					Skid	Supply Contractor	Supply Contractor			WO-P0021			WO-M0205
1	0513	1	TS-O330A	Temperature Switch	Electrolyser Power Supply Unit PSU-O330A High Temperature					Skid	Supply Contractor	Supply Contractor			WO-P0021			WO-E0132
14   A   A   Colon   A   A   Colon   A	0514	1	ZS-O330A	Position Switch	Electrolyser Power Supply Unit PSU-0330A Door Switch					Skid	Supply Contractor	Supply Contractor			WO-P0021			WO-E0132
1	0515	1	AE-O404A	Analyser Element	Open Loop Cooling Water Turbidity					Panel	E&I Contractor	E&I Contractor			WO-P0015			WO-E0132
1	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
Fig.	0517	1	FI-O404A	Variable Area Flowmeter	Open Loop Cooling Water to Turbidity Analyzer Flow					Panel	E&I Contractor	E&I Contractor			WO-P0015			WO-E0132
Fig.	0518	1	FS-0404A	Flow Switch	Open Loop Cooling Water to Turbidity Analyzer Low Flow					Panel	E&I Contractor	E&I Contractor			WO-P0015			WO-E0132
Possible   Fig.   Possible   Po	0519	1	FE-O410A	Flow Element	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Flow					Flange	Supply Contractor	Mech. Contractor	75 mm	l100	WO-P0016	WB-A0453	WB-A0453	WO-E0132
Possible	0520	1	FT-O410A	Flow Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O410A Inlet Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		l100	WO-P0016	WB-A0465		WO-E0132
Parameter   Para	0521	1	PI-O410A	Pressure Indicator	Pressure						Supply Contractor	Mech. Contractor		l112	WO-P0016			
1 February   Supply Contractor   Supply Contra	0522	1	PI-O410B	Pressure Indicator							Supply Contractor	Mech. Contractor		l112	WO-P0016			
1 To 410	0523	1	TE-O410A	Temperature Element						Thermowell	Supply Contractor	Mech. Contractor		1131	WO-P0016			WO-E0132
1 Fe Out 10 Femous Femo	0524	1	TT-O410A	Temperature Indicator Transmitter							Supply Contractor	E&I Contractor		1131	WO-P0016	WB-A0465		WO-E0132
The Park In The Pa	0525	1	TE-O410B	Temperature Element						Thermowell	Supply Contractor	Mech. Contractor		l131	WO-P0016			WO-E0132
952 1 CE-O411A Conductivity Element 0410A Pump Outlet Conductivity	0526	1	TT-O410B	Temperature Indicator Transmitter							Supply Contractor	E&I Contractor		l131	WO-P0016	WB-A0465		WO-E0132
1 CT-0411 Conductivity Indicator Transmitter 0410 A Pump Outlet Conductivity of 200ne Generator Closed Loop Cooling Water to Heat Exchanger HEX-0529 The Fig. 1 Cooling Water to Heat Exchanger HEX-0530 The Fig. 2 Cooling Water	0527	1	CE-O411A	Conductivity Element							Supply Contractor	E&I Contractor			WO-P0016			WO-E0132
1 FE-O411A Flow Element 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0530 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0532 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0532 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0533 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0533 T PI-O411A Flow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed	0528	1	CT-O411A	Conductivity Indicator Transmitter							Supply Contractor	E&I Contractor			WO-P0016	WB-A0465		WO-E0132
1 FT-0411A Fow Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 FT-0411A Pressure Indicator Transmitter 0410 Inlet Flow Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 FT-0411A Pressure Indicator Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 FT-0411A Pressure Indicator Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 FT-0411A Pressure Indicator Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0531 FT-0411A Pressure Indicator Indic	0529	1	FE-O411A	Flow Element						Flange	Supply Contractor	Mech. Contractor	75 mm Rotary Flowmeter		WO-P0016			WO-E0132
1 PI-O411A Pressure Indicator 0410A Pump Outlet Pressure 0410A Pump Outlet Pressure Surply Contractor 0410A Pump Outlet Pressure Supply Contractor 0410A Pum	0530	1	FT-0411A	Flow Indicator Transmitter				120V		Wall/Stand	Supply Contractor	E&I Contractor			WO-P0016	WB-A0465		WO-E0132
	0531	1	PI-O411A	Pressure Indicator							Supply Contractor	Mech. Contractor		l112	WO-P0016			
	0532	1	PI-O411B	Pressure Indicator							Supply Contractor	Mech. Contractor		l112	WO-P0016			

RECORD	REV.	TAG		DESCRIPTION				CALIBRATED		SUPPLIED	INICTALLED		SPEC.	DolD	INSTRUMENT	INSTALLATION	LOCATION
		NAME	INSTRUMENT TYPE	SERVICE	MANUFACTURER	MODEL	POWER SUPPLY	RANGE	MOUNTING	BY	INSTALLED BY	COMMENTS		P&ID	LOOP DIA.	DETAIL	DWG.
NO.	No.	NAME	INSTRUMENT TYPE	Ozone Generator Closed Loop Cooling Water De-Ionized Water to Heat			SUPPLY	KANGE		В	В		DATA SHEET	DRAWING	LUUP DIA.	DETAIL	DWG.
0533	1	SOL-O411A	Solenoid Actuator	Exchanger HEX-0410A						Supply Contractor	Mech. Contractor			WO-P0016			WO-E0132
0534	1	TE-O411A	Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0410 Inlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0016			WO-E0132
0535	1	TT-0411A	Temperature Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0410 Inlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0016	WB-A0465		WO-E0132
0536	1	TE-O411B	Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0410 Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0016			WO-E0132
0537	1	TT-O411B	Temperature Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0410 Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0016	WB-A0465		WO-E0132
0538	1		'	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0410A Outlet Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0016			
0539	1		Flow Element	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Flow					Flange	Supply Contractor	Mech. Contractor	75 mm	l100	WO-P0017	WB-A0453	WB-A0453	WO-E0132
	1		Flow Indicator Transmitter				120V					75 11111		WO-P0017	WB-A0465	WD 710403	WO-E0132
0540	'	F1-U42UA	Flow indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Flow  Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet			1200		Wall/Stand	Supply Contractor	E&I Contractor		I100	WO-P0017	WD-A0400		WO-E0132
0541	1	PI-O420A	Pressure Indicator	Pressure  Open Loop Cooling Water to Heat Exchanger HEX-O420A Outlet						Supply Contractor	Mech. Contractor		I112	WO-P0017			
0542	1	PI-O420B	Pressure Indicator	Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0017			
0543	1	TE-O420A	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0017			WO-E0132
0544	1	TT-O420A	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O420A Inlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0017	WB-A0465		WO-E0132
0545	1	TE-O420B	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O420A Outlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0017			WO-E0132
0546	1	TT-O420C	Temperature Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O420A Outlet Temperature						Supply Contractor	E&I Contractor		l131	WO-P0017	WB-A0465		WO-E0132
0547	1	CE-O421A	Conductivity Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Pump Outlet Conductivity						Supply Contractor	E&I Contractor			WO-P0017			WO-E0132
0548	1	CT-O421A	Conductivity Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Pump Outlet Conductivity						Supply Contractor	E&I Contractor			WO-P0017	WB-A0465		WO-E0132
0549	1	FE-O421A	Flow Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Inlet Flow					Flange	Supply Contractor	Mech. Contractor	75 mm Rotary Flowmeter		WO-P0017			WO-E0132
0550	1	FT-0421A	Flow Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0420A Inlet Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor			WO-P0017	WB-A0465		WO-E0132
0551	1	PI-O421A	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Pump Outlet Pressure						Supply Contractor	Mech. Contractor		l112	WO-P0017			
0552	1	PI-O421B	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0420A Outlet Pressure						Supply Contractor	Mech. Contractor		l112	WO-P0017			
0553	1	SOL-0421A	Solenoid Actuator	Ozone Generator Closed Loop Cooling Water De-Ionized Water to Heat Exchanger HEX-0420A						Supply Contractor	Mech. Contractor			WO-P0017			WO-E0132
0554	1	TE-O421A	Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0420A Inlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0017			WO-E0132
0555	1		Temperature Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0420A Inlet Temperature						Supply Contractor	E&I Contractor		l131	WO-P0017	WB-A0465		WO-E0132
0556	1		Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0420A Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0017			WO-E0132
0557	1		Temperature Indicator Transmitter	Ozone Generator Closed Louop Cooling Water to Heat Exchanger HEX- 0420A Outlet Temperature						Supply Contractor	E&I Contractor		l131	WO-P0017	WB-A0465		WO-E0132
0558	1		Pressure Indicator	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0420A Outlet Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0017			
0559	1		Flow Element	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Flow					Flange	Supply Contractor	Mech. Contractor	75 mm	1112	WO-P0017 WO-P0018	WB-A0453	WB-A0453	WO-E0132
0560			Flow Indicator Transmitter	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor		I100	WO-P0018	WB-A0465		WO-E0132
0561	1	PI-O430A	Pressure Indicator	Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0018			

DECORD	DEV	TAC		DESCRIPTION				RUMENT INDEX		CHINDLED	INCTALLED		CDEO	DolD	INCEDUMENT	INCTALLATION	LOCATION
RECORD		TAG	INIOTEUMENT TYPE	DESCRIPTION	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.	NAME	INSTRUMENT TYPE	SERVICE			SUPPLY	RANGE		ВҮ	ВУ		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0562	1	PI-O430B	Pressure Indicator	Open Loop Cooling Water to Heat Exchanger HEX-O430A Outlet Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0018			
0563	1	TE-O430A	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O430A Inlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0018			WO-E0132
0564	1	TT-O430A	Temperature Indicator Transmitter	Open Loop Cooling water to Heat Exchanger HEX-0430A Inlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0018	WB-A0465		WO-E0132
0545	1	TE 0420B	Temperature Element	Open Loop Cooling Water to Heat Exchanger HEX-O430A Outlet						Supply Contractor	Mech. Contractor		l131	WO-P0018			WO-E0132
0565	- +	TE-0430B	remperature Element	Temperature  Open Loop Cooling Water to Heat Exchanger HEX-O430A Outlet						Supply Contractor	iviecii. Contractor		1131	WO-P0016			WO-E0132
0566	1	TT-O430B	Temperature Indicator Transmitter	Temperature						Supply Contractor	E&I Contractor		I131	WO-P0018	WB-A0465		WO-E0132
0567	1	CE-0431A	Conductivity Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Pump Outlet Conductivity						Supply Contractor	E&I Contractor			WO-P0018			WO-E0132
0568	1	CT-O431A	Conductivity Indicator Transmitter	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Pump Outlet Conductivity						Supply Contractor	Mech. Contractor			WO-P0018	WB-A0465		WO-E0132
0569	1	FE-O431A	Flow Element	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Inlet Flow					Flange	Supply Contractor	Mech. Contractor	75 mm Rotary Flowmeter		WO-P0018			WO-E0132
0570	1	FT-O431A	Flow Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Inlet Flow			120V		Wall/Stand	Supply Contractor	E&I Contractor			WO-P0018	WB-A0465		WO-E0132
0571	1	PI-O431A	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Pump Outlet Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0018			
0572	1	PI-O431B	Pressure Indicator	Ozone Generator Closed Loop Cooling Water to Heat Exchanger HEX- 0430A Outlet Pressure						Supply Contractor	Mech. Contractor		l112	WO-P0018			
0573	1	SOL-O431A	Solenoid Actuator	Ozone Generator Closed Loop Cooling Water De-Ionized Water to Heat Exchanger HEX-0430A						Supply Contractor	Mech. Contractor			WO-P0018			WO-E0132
0574	1	TE-O431A	Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Inlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0018			WO-E0132
0575	1		Temperature Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Inlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0018	WB-A0465		WO-E0132
0576	1		Temperature Element	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Outlet Temperature						Supply Contractor	Mech. Contractor		l131	WO-P0018			WO-E0132
0577	1		Temperature Indicator Transmitter	Ozone Generator Closed Looop Cooling Water to Heat Exchanger HEX- 0430A Outlet Temperature						Supply Contractor	E&I Contractor		l131	WO-P0018	WB-A0465		WO-E0132
0578	1		Pressure Indicator	Ozone Generator Closed Loop Cooling Water Heat Exchanger HEX- 0420A Outlet Pressure						Supply Contractor	Mech. Contractor		I112	WO-P0018			
0579	1		Pressure Indicator Transmitter	Ozone Contactor #1 to Ozone Destruct Units Pressure			Loop Powered	-7.5 Kpa to 7.5 Kpa	Manifold	Supply Contractor	Mech. Contractor		I111	WO-P0012	WB-A0465		WO-E0132
				Ozone Contactor #1 to Ozone Destruct Units Demister Differential													
0580 0581			Pressure Indicator Transmitter Gas Sensor	Pressure Ozone Contactor #2 to Ozone Destruct Analyzer			Loop Powered	0-1.25 Kpa	Manifold	Supply Contractor Supply Contractor	Mech. Contractor  Mech. Contractor		l111	WO-P0012 WO-P0014	WB-A0465		WO-E0132 WO-E0132
0301	'	AL-0303A	Gas Scrisor	Ozone Contactor #2 to Ozone Destruct Analyzor						Зарргу Соппастог	IVICCII. CONTRACTO			WO-1 0014			WO-E0132
0582			Gas Analyzer Indicator Transmitter	Ozone Contactor #2 to Ozone Destruct Analyzer						Supply Contractor	E&I Contractor			WO-P0014	WB-A0465		WO-E0132
0583	1	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	Mech. Contractor		l111	WO-P0014	WB-A0465		WO-E0132
0584	1	PT-O505B	Pressure Indicator Transmitter	Ozone Contactor #2 to Ozone Destruct Units Demister Differential Pressure			Loop Powered	0-10 Kpa	Manifold	Supply Contractor	Mech. Contractor		l111	WO-P0014	WB-A0465		WO-E0132
0585	1	AE-O501A	Gas Sensor	Ozone Contactor #1 to Ozone Destruct Analyzer			·			Supply Contractor	Mech. Contractor			WO-P0012			WO-E0132
0504	1	AT 0501A	Gas Analyzer Indicator Transmitter	Ozone Contactor #1 to Ozone Destruct Analyzer						Supply Contractor	E&I Contractor			WO-P0012	WB-A0465		WO-E0132
0586 0587			Analyser Element	Ozone Destruct Unit #1 Vent Ozone Analyzer						Supply Contractor Supply Contractor	Mech. Contractor			WO-P0012 WO-P0012	WD-A0400		WO-E0132 WO-E0132
	-	712 001011	Ozone Gas Analyzer Indicator	Section Section Contract Contr						очерну обличания	moon contractor						
0588			Transmitter	Ozone Destruct Unit #1 Vent Ozone Analyzer						Supply Contractor	E&I Contractor			WO-P0012	WB-A0465		WO-E0132
0589			Pressure Indicator Transmitter	Catalytic Destruct Unit CDU-O510 Differential Pressure			Loop Powered	0-5 Kpa		Supply Contractor	Mech. Contractor		l111	WO-P0012	WB-A0465		WO-E0132
0590	1		Pressure Indicator Transmitter	Ozone Destruct Unit #1 Blower Differential Pressure			Loop Powered	0-10 Kpa	Manifold	Supply Contractor	Mech. Contractor		l111	WO-P0012	WB-A0465		WO-E0132
0591	1	TE-O510A	Temperature Element	Ozone Destruct Unit #1 Heater Inlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0012			WO-E0132
0592	1	TT-O510A	Temperature Indicator Transmitter	Ozone Destruct Unit #1 Heater Inlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0012	WB-A0465		WO-E0132
0593	1	TE-O510B	Temperature Element	Ozone Destruct Unit #1 Heater Outlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0012			WO-E0132
0594	1	TT-O510B	Temperature Indicator Transmitter	Ozone Destruct Unit #1 Heater Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0012	WB-A0465		WO-E0132

0595 1 TI 0596 1 T	TAG NAME INSTRUMENT TYPE  TE-O510C Temperature Element  TT-O510C Temperature Indicator Transmitter	DESCRIPTION  SERVICE  Catalytic Destruct Unit CDU-0510A Outlet Temperature	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
0595 1 TI 0596 1 T	TE-0510C Temperature Element					DANCE		DV	BY		DATA CHEET			DETAIL	DWC
0596 1 T	'	Catalytic Destruct Office CDO-OSTOA Outlet Temperature			SUPPLY	RANGE		BY Supply Contractor	Mech. Contractor		DATA SHEET	WO-P0012	LOOP DIA.	DETAIL	DWG. WO-E0132
	11-0310C Temperature mulcator transmitter	Catalytic Destruct Unit CDU-0510A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0012 WO-P0012	WB-A0465		WO-E0132
0377 I A	AE-O520A Analyser Element	Ozone Destruct Unit #2 Vent Ozone Analyzer						Supply Contractor	Mech. Contractor		1131	WO-P0012 WO-P0013	WD-A0403		WO-E0132
	Ozone Gas Analyzer Indicator	Ozone Destruct Onit #2 Vent Ozone Analyzei						Зирріу Сопітастої	IVIECTI. COTILIACIOI			WO-F 0013			WO-L0132
0598 1 A	,	Ozone Destruct Unit #2 Vent Ozone Analyzer						Supply Contractor	E&I Contractor			WO-P0013	WB-A0465		WO-E0132
	AE-O520B Analyser Element	Ambient Ozone Gas Sensor						Supply Contractor	E&I Contractor			WO-P0013			WO-E0132
	Ozone Gas Analyzer Indicator							11.5							-
0600 1 A	, and the second	Ambient Ozone Gas Level						Supply Contractor	E&I Contractor			WO-P0013	WB-A0465		WO-E0132
0601 1 P	PT-O520A Pressure Indicator Transmitter	Catalytic Destruct Unit CDU-0520A Differential Pressure		l	oop Powered	0-5 Kpa	Manifold	Supply Contractor	Mech. Contractor		l111	WO-P0013	WB-A0465		WO-E0132
0602 1 P	PT-O520B Pressure Indicator Transmitter	Ozone Destruct Unit #2 Blower Differential Pressure		l	oop Powered	0-10 Kpa	Manifold	Supply Contractor	Mech. Contractor		I111	WO-P0013	WB-A0465		WO-E0132
0603 1 T	TE-O520A Temperature Element	Ozone Destruct Unit #2 Heater Inlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0013			WO-E0132
0604 1 T	TT-O520A Temperature Indicator Transmitter	Ozone Destruct Unit #2 Heater Inlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0013	WB-A0465		WO-E0132
0605 1 T	TE-O520B Temperature Element	Ozone Destruct Unit #2 Heater Outlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0013			WO-E0132
0606 1 T	TT-O520B Temperature Indicator Transmitter	Ozone Destruct Unit #2 Heater Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0013	WB-A0465		WO-E0132
0607 1 TI	TE-O520C Temperature Element	Catalytic Destruct Unit CDU-0520A Outlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0013			WO-E0132
0608 1 T	TT-O520C Temperature Indicator Transmitter	Catalytic Destruct Unit CDU-0520A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0013	WB-A0465		WO-E0132
0609 1 A	AE-O530A Analyser Element	Ozone Destruct Unit #3 Vent Ozone Analyzer						Supply Contractor	Mech. Contractor			WO-P0014			WO-E0132
	Ozone Gas Analyzer Indicator														
0610 1 A	AT-O530A Transmitter	Ozone Destruct Unit #3 Vent Ozone Analyzer						Supply Contractor	E&I Contractor			WO-P0014	WB-A0465		WO-E0132
0611 1 P	PT-O530A Pressure Indicator Transmitter	Catalytic Destruct Unit CDU-0530 Differential Pressure		l	oop Powered	0-5 Kpa	Manifold	Supply Contractor	Mech. Contractor		l111	WO-P0014	WB-A0465		WO-E0132
0612 1 P	PT-O530B Pressure Indicator Transmitter	Ozone Destruct Unit #3 Blower Differential Pressure		l	oop Powered	0-10 Kpa	Manifold	Supply Contractor	Mech. Contractor		l111	WO-P0014	WB-A0465		WO-E0132
0613 1 T	TE-O530A Temperature Element	Ozone Destruct Unit #3 Heater Inlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0014			WO-E0132
0614 1 T	TT-O530A Temperature Indicator Transmitter	Ozone Destruct Unit #3 Heater Inlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0014	WB-A0465		WO-E0132
0615 1 T	TE-O530B Temperature Element	Ozone Destruct Unit #3 Heater Outlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0014			WO-E0132
0616 1 T	TT-O530B Temperature Indicator Transmitter	Ozone Destruct Unit #3 Heater Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0014	WB-A0465		WO-E0132
0617 1 TI	TE-O530C Temperature Element	Catalytic Destruct Unit CDU-0530A Outlet Temperature						Supply Contractor	Mech. Contractor		I131	WO-P0014			WO-E0132
0618 1 T	TT-O530C Temperature Indicator Transmitter	Catalytic Destruct Unit CDU-0530A Outlet Temperature						Supply Contractor	E&I Contractor		I131	WO-P0014	WB-A0465		WO-E0132
0619 1 F	FT-P001A Flow Indicator Transmitter	DAF Recycle Water Flow to Saturator P001A		1	120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0013	WB-A0453	WB-A0402	WP-E0133
0620 1 F	FE-P001A Flow Element	DAF Recycle Water Flow to Saturator P001A				0-150 L/s	Flange	Mech. Contractor	Mech. Contractor	250 mm	I100	WP-P0013	WB-A0453	WB-A0453	WP-E0133
										Transmitter mounted on bypass level					
0621 1 L	LT-P001A Level Indicator Transmitter	DAF Saturator Vessel P001A Level		L	oop powered	0-600 mm		Supply Contractor	Supply Contractor	indicator		WP-P0013	WB-A0465		WP-E0133
0,000	15 Book   151   1	DAT C					By pass					WD Doodo	MD 404/5		MD FOADO
		DAF Saturator Vessel P001A Level			1201/	F0.0		Supply Contractor	Mech. Contractor		NI/A	WP-P0013	WB-A0465	N1/A	WP-E0133
		DAF Saturator Vessel P001A Level Low			120V	50.8mm	Flange	Supply Contractor	Mech. Contractor		N/A	WP-P0013	WB-A0463	N/A	WP-E0133
	PT-P001A Pressure Indicator Transmitter	DAF Saturator Vessel P001A Pressure		L	_oop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		l111	WP-P0013	WB-A0465	WB-A0408	WP-E0133
	PI-P001A Pressure Indicator	DAF Saturator Vessel P001A Pressure Reducing Valve						Supply Contractor	Mech. Contractor		I112	WP-P0013			WP-M0131
	PI-P001B Pressure Indicator	DAF Saturator Vessel P001A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0013			WD 50122
0627 1 P	PS-P001A Pressure Switch	DAF Saturator Vessel P001A Pressure Low						Supply Contractor	Mech. Contractor		l115	WP-P0013			WP-E0133
0628 1 SC	SOL-P001A Solenoid Actuator	DAF Saturator Vessel P001A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0013			WP-E0133
		DAF Saturator Vessel P001A Temperature						Supply Contractor	E&I Contractor		l131	WP-P0013			WP-E0133
	'	DAF Saturator Vessel P001A Temperature					Thermowell	Supply Contractor	Mech. Contractor		I131	WP-P0013			WP-E0133
	FT-P002A Flow Indicator Transmitter	DAF Recycle Water Flow to Saturator P002A		1	120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0013	WB-A0453	WB-A0402	WP-E0133
	FE-P002A Flow Element	DAF Recycle Water Flow to Saturator P002A			1201	0-150 L/s	Flange	Mech. Contractor	Mech. Contractor	250 mm	I100	WP-P0013	WB-A0453	WB-A0453	WP-E0133
0032	TE-F002A TIOW Element	DAI NECYCLE Water Flow to Saturator Flooza				0-130 L/3	i larige	Ween. Contractor	IVIECTI. COTILIACIOI	Transmitter mounted on bypass level	1100	WF-F0013	WD-A0433	WD-A0433	WF-E0133
0633 O L	LT-P002A Level Indicator Transmitter	DAF Saturator Vessel P002A Level		l l	oop powered	0-600 mm		Supply Contractor	Supply Contractor	indicator		WP-P0013	WB-A0465		WP-E0133
<del>-                                    </del>			+		-T-1-1-1-00	-	By pass	111. 3 2 2 1 1 1 1 1 1 1	Tri y zzimadol			. 50.0			
0634 O L	LE-P002A Level Element	DAF Saturator Vessel P002A Level						Supply Contractor	Mech. Contractor			WP-P0013	WB-A0465		WP-E0133
0635 O L	LS-P002A Level Switch	DAF Saturator Vessel P002A Level Low		1	120V	50.8mm	Flange	Supply Contractor	Mech. Contractor		N/A	WP-P0013	WB-A0463	N/A	WP-E0133
0636 1 P	PT-P002A Pressure Indicator Transmitter	DAF Saturator Vessel P002A Pressure		l	oop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor	+	I111	WP-P0013	WB-A0465	WB-A0408	WP-E0133
0637 O P	PI-P002A Pressure Indicator	DAF Saturator Vessel P002A Pressure Reducing Valve						Supply Contractor	Mech. Contractor	+	I112	WP-P0013			
0638 O P	PI-P002B Pressure Indicator	DAF Saturator Vessel P002A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0013			

RECORD	DEV	TAC		DESCRIPTION				CALIBRATED		CHIDDLIED	INCTALLED		SPEC.	DolD	INCTDUMENT	INICTALLATION	LOCATION
	REV.	TAG			MANUFACTURER	MODEL	POWER		MOUNTING	SUPPLIED	INSTALLED	COMMENTS		P&ID	INSTRUMENT	INSTALLATION	LOCATION
NO.	No.		RUMENT TYPE	SERVICE			SUPPLY	RANGE		ВУ	ВУ		DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0639	1	PS-P002A Pressure Swite	ch	DAF Saturator Vessel P002A Pressure Low						Supply Contractor	Mech. Contractor		I115	WP-P0013			WP-E0133
0640	1	SOL-P002A Solenoid Actua	ator	DAF Saturator Vessel P002A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0013			WP-E0133
0641	1		ndicator Transmitter		_				_		Mech. Contractor		l131	WP-P0013			WP-E0133
	1	· ·		DAF Saturator Vessel P002A Temperature						Supply Contractor							
0642	1	TE-P002A Temperature E		DAF Daturator Vessel P002A Temperature			1001/		Wall/Ctand	Supply Contractor	Mech. Contractor		I131	WP-P0013	WD AGAES	WD 40402	WP-E0133
0643	1	FT-P003A Flow Indicator	rransmiller	DAF Recycle Water Flow to Saturator P003A			120V	0.45017	Wall/Stand	Mech. Contractor	E&I Contractor	050	I100	WP-P0015	WB-A0453	WB-A0402	WP-E0134
0644	1	FE-P003A Flow Element		DAF Recycle Water Flow to Saturator P003A				0-150 L/s	Flange	Mech. Contractor	Mech. Contractor	250 mm	l100	WP-P0015	WB-A0453	WB-A0453	WP-E0134
0645	0	LT D002A L aval Indicator	Transmittor	DAE Saturator Voccol D002A Lovel			Loop poworod	0.400 mm		Supply Contractor	Supply Contractor	Transmitter mounted on bypass level		WP-P0014	WB-A0465		WP-E0134
0645	- 0	LT-P003A Level Indicator	Transmiller	DAF Saturator Vessel P003A Level			Loop powered	0-600 mm	D	Supply Contractor	Supply Contractor	indicator		VVP-P0014	WD-A0403		WF-E0134
0646	0	LE-P003A Level Element		DAF Saturator Vessel P003A Level					By pass indicator	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
0648	1		ator Transmitter	DAF Saturator Vessel P003A Pressure	+		Loop Powered	0-1000 Kpa	Flange	Supply Contractor	Mech. Contractor		l111	WP-P0014	WB-A0465	WB-A0408	WP-E0134
0649	0	PI-P003A Pressure Indic		DAF Saturator Vessel P003A Pressure Reducing Valve	+				- 3	Supply Contractor	Mech. Contractor		l112	WP-P0014			+
0650	0	PI-P003B Pressure Indic		DAF Saturator Vessel P003A Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0014			++
0651	1	PS-P003A Pressure Swite		DAF Saturator Vessel P003A Pressure Low						Supply Contractor	Mech. Contractor		I115	WP-P0014			WP-E0134
0031		1 3 1 003/1 1 1 c33dre 3Will	511	DAT Saturator vesser rooster ressure Edw	1					Зарргу Соптастог	Wicch. Contractor		1113	WI 1 0014			WI E0154
0652	1	SOL-P003A Solenoid Actua	ator	DAF Saturator Vessel P003A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0014			WP-E0134
0653	1		ndicator Transmitter	DAF Saturator Vessel P003A Temperature	+				+	Supply Contractor	Mech. Contractor		l131	WP-P0014	<del> </del>		WP-E0134
0654	1	TE-P003A Temperature B		DAF Saturator Vessel P003A Temperature						Supply Contractor	Mech. Contractor		I131	WP-P0014			WP-E0134
0655	1	FT-P004A Flow Indicator		DAF Recycle Water Flow to Saturator P004A			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0015	WB-A0453	WB-A0402	WP-E0134
0656	1	FE-P004A Flow Element	Transmitter	DAF Recycle Water Flow to Saturator P004A	1		1201	0-150 L/s	Flange	Mech. Contractor	Mech. Contractor	250 mm	I100	WP-P0015	WB-A0453	WB-A0453	WP-E0134
0030		TE-1 004A TIOW Element		DAI NCCYCIC WAIGI FIOW to Saturator Footh	<u> </u>			0-130 03	riange	Ween. Contractor	IVICCII. COITHACIOI		1100	WI -1 0013	WD-70433	WD-A0433	WI -E0134
0657	0	LT-P004A Level Indicator	· Transmitter	DAF Saturator Vessel P004A Level			Loop powered	0-600 mm		Supply Contractor	Supply Contractor	Transmitter mounted on bypass level indicator		WP-P0014	WB-A0465		WP-E0134
		ETT 00 IX EGVOT ITIAICUTOI	Transmitter	DATE STRUCTURE VOSSET VOTAL EGYPT			200p powerou	0 000 111111	By pass	очрену общиског	очрріў облаченої	mulactor		*** 1 0011	VVB 710 100		WI 20101
0658	0	LE-P004A Level Element		DAF Saturator Vessel P004A Level						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		ator Transmitter	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 Indic		DAF Saturator Vessel P004A Pressure Reducing Valve					19	Supply Contractor	Mech. Contractor		l112	WP-P0014	1		+
0662	0	PI-P004B Pressure Indic		DAF Saturator Vessel P004A Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0014			++
0663	1	PS-P004A Pressure Swite		DAF Saturator Vessel P004A Pressure Low						Supply Contractor	Mech. Contractor		I115	WP-P0014			WP-E0134
0003	'	1 3 1 004/1 1 1033urc Switt	511	DAT Saturator vesser rooman ressure Edw						Зарргу Соптастог	Wicch. Contractor		1113	WI 1 0014			WI E0154
0664	1	SOL-P004A Solenoid Actua	ator	DAF Saturator Vessel P004A Outlet Flow Shutoff Valve Actuator						Supply Contractor	Mech. Contractor			WP-P0014			WP-E0134
0665	1	TT-P004A Temperature I	ndicator Transmitter	DAF Saturator Vessel P004A Temperature						Supply Contractor	Mech. Contractor		l131	WP-P0014			WP-E0134
0666	1	TE-P004A Temperature B		DAF Saturator Vessel P004A Temperature	+					Supply Contractor			l131	WP-P0014			WP-E0134
0667	0	PI-P010F Pressure Indic		DAF Recycle Pump P-P010A Inlet Pressure	+				Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0012		WB-A0404	WP-M0209
0668	0	PI-P010G Pressure Indic		DAF Recycle Pump P-P010A Outlet Pressure	+				Pipe	Supply Contractor	Mech. Contractor		I112	WP-P0012	<del> </del>	WB-A0404	WP-M0209
0669	1		Pump - Thermistor	DAF Recycle Pump P-P010A temperature					1.00	Supply Contractor	Mech. Contractor	Wired to local control panel	2	WP-P0012		115710101	WP-E0113
0670	0	PI-P020H Pressure Indic		DAF Recycle Pump P-P020A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor	Willed to local control parter	l112	WP-P0012		WB-A0404	WP-M0209
0671	0	PI-P020J Pressure India		DAF Recycle Pump P-P020A Outlet Pressure	1				Pipe	Supply Contractor	Mech. Contractor		1112	WP-P0012		WB-A0404	WP-M0209
0672	1		Pump - Thermistor	DAF Recycle Pump P-P020A temperature	+					Supply Contractor	Mech. Contractor	Wired to local control panel		WP-P0012			WP-E0113
0673	0	PI-P030F Pressure Indic	•	DAF Recycle Pump P-P030A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor	Timod to local control parior	l112	WP-P0012		WB-A0404	WP-M0209
0674	0	PI-P030G Pressure India		DAF Recycle Pump P-P030A Outlet Pressure	1	-			Pipe	Supply Contractor	Mech. Contractor	1	I112	WP-P0012		WB-A0404	WP-M0209
0675	1		Pump - Thermistor	DAF Recycle Pump P-P030A Coulet Plessure  DAF Recycle Pump P-P030A temperature	1				i ihc	Supply Contractor	Mech. Contractor	Wired to local control panel	1112	WP-P0012		VV D-70404	WP-IVI0209 WP-E0113
0676	0	PI-P040F Pressure Indic	,	DAF Recycle Pump P-P040A Inlet Pressure	1				Pipe	Supply Contractor	Mech. Contractor	Trifed to local control pariel	l112	WP-P0012		WB-A0404	WP-E0113 WP-M0210
	Ť				1							1					WP-M0210
0677	0	PI-P040G Pressure Indic		DAF Recycle Pump P-P040A Outlet Pressure	1				Pipe	Supply Contractor	Mech. Contractor	Wired to local control name!	l112	WP-P0014		WB-A0404	
0678	1	*	Pump - Thermistor	DAF Recycle Pump P-P040A temperature	ļ				Dino	Supply Contractor	Mech. Contractor	Wired to local control panel	1110	WP-P0014		WD 40404	WP-E0114
0679	0	PI-P050H Pressure India		DAF Recycle Pump P-P050A Inlet Pressure	1				Pipe	Supply Contractor	Mech. Contractor		I112	WP-P0014		WB-A0404	WP-M0210
0680	0	PI-P050J Pressure Indic		DAF Recycle Pump P-P050 Outlet Pressure	<u> </u>				Pipe	Supply Contractor	Mech. Contractor	Mine data level en la la	l112	WP-P0014		WB-A0404	WP-M0210
0681	1		Pump - Thermistor	DAF Recycle Pump P-P050A temperature					D:	Supply Contractor	Mech. Contractor	Wired to local control panel	14.10	WP-P0014		WB ****	WP-E0114
0682	0	PI-P060F Pressure Indic		DAF Recycle Pump P-P060A Inlet Pressure					Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-A0404	WP-M0210
0683	0	PI-P060G Pressure Indic	ator	DAF Recycle Pump P-P060A Outlet Pressure	1		1	1	Pipe	Supply Contractor	Mech. Contractor		l112	WP-P0014		WB-A0404	WP-M0210

DECORD	DEV	TAC		DESCRIPTION				RUMENT INDEX		CHIDDLIED	INCTALLED		CDEC	DolD	INCTDUMENT	INICTALLATION	LOCATION
RECORD	REV.	TAG	INOTOLINENT TYPE		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.
0684	1		,	DAF Recycle Pump P-P060A temperature			4001/		M/ II/O/ 1	Supply Contractor	Mech. Contractor	Wired to local control panel	1400	WP-P0014	14/0 40450	1MD 40400	WP-E0114
0685	1		ndicator Transmitter	Raw Water Flow to DAF TNKP100A			120V	0.75017-	Wall/Stand	Mech. Contractor	E&I Contractor	450	I100	WP-P0002	WB-A0453	WB-A0402	WA-E0112
0686	1		Element	Raw Water Flow to DAF TNKP100A			1201/	0-650 L/s	Flange	Mech. Contractor	Mech. Contractor	450 mm	I100	WP-P0002	WB-A0453	WB-A0453	WA-E0112
0687	0		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 E	Element	DAF TNKP100A Level					Bracket	Supply Contractor	E&I Contractor		l120	WP-P0004	WB-A0455	WB-A0401	WP-E0133
0689	1	SOL-P120A Solenoi	oid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP100A)						Supply Contractor	Mech. Contractor			WP-P0004			WP-E0133
0690	1	SOL-P120B Solenoi		DAF Basin Float Trough Spray Wash Valve (TNKP100A)						Supply Contractor	Mech. Contractor			WP-P0004			WP-E0133
0691	1			Raw Water Flow to DAF TNKP200A			120V		Wall/Stand	Mech. Contractor	E&I Contractor		1100	WP-P0002	WB-A0453	WB-A0402	WA-E0112
0692	1		Element	Raw Water Flow to DAF TNKP200A				0-650 L/s	Flange	Mech. Contractor	Mech. Contractor	450 mm	1100	WP-P0002	WB-A0453	WB-A0453	WA-E0112
0693	0		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 E	Element	DAF TNKP200A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0005	WB-A0455	WB-A0401	WP-E0133
0695	1	SOL-P220A Solenoi	oid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP200A)						Supply Contractor	Mech. Contractor			WP-P0005			WP-E0133
0696	1	SOL-P220B Solenoi	nid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP200A)						Supply Contractor	Mech. Contractor			WP-P0005			WP-E0133
0697	1	FT-P300A Flow In		Raw Water Flow to DAF TNKP300A			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0002	WB-A0453	WB-A0402	WA-E0112
0698	1		Element	Raw Water Flow to DAF TNKP300A			.201	0-650 L/s	Flange	Mech. Contractor	Mech. Contractor	450 mm	1100	WP-P0002	WB-A0453	WB-A0453	WA-E0112
0699	0		Indicator Transmitter	DAF TNKP300A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor	100 11111	I120	WP-P0006	WB-A0455	WB-A0402	WP-E0133
0700	1		Element	DAF TNKP300A Level			1201	0 000 111111	Bracket	Supply Contractor	E&I Contractor		I120	WP-P0006	WB-A0455	WB-A0401	WP-E0133
0701	1	SOL-P320A Solenoi		DAF Basin Headwall Spray Wash Header Valve (TNKP300A)						Supply Contractor	Mech. Contractor			WP-P0006			WP-E0133
0702	1	SOL-P320B Solenoi	oid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP300A)						Supply Contractor	Mech. Contractor			WP-P0006			WP-E0133
0703	1	FT-P400A Flow In	ndicator Transmitter	Raw Water Flow to DAF TNKP400A			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0002	WB-A0453	WB-A0402	WA-E0112
0704	1	FE-P400A Flow El	lement	Raw Water Flow to DAF TNKP400A				0-650 L/s	Flange	Mech. Contractor	Mech. Contractor	450 mm	I100	WP-P0002	WB-A0453	WB-A0453	WA-E0112
0705	0	LT-P400A Level Ir	ndicator 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 E	Element	DAF TNKP400A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0007	WB-A0455	WB-A0401	WP-E0133
0707	1	SOL-P420A Solenoi	oid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP400A)						Supply Contractor	Mech. Contractor			WP-P0007			WP-E0133
0708	1	SOL-P420B Solenoi		DAF Basin Float Trough Spray Wash Valve (TNKP400A)						Supply Contractor	Mech. Contractor			WP-P0007			WP-E0133
0709	1	FT-P500A Flow In	ndicator Transmitter	Raw Water Flow to DAF TNKP500A			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0003	WB-A0453	WB-A0402	WA-E0112
0710	1	FE-P500A Flow El		Raw Water Flow to DAF TNKP500A				0-650 L/s	Flange	Mech. Contractor	Mech. Contractor	450 mm	I100	WP-P0003		WB-A0453	WA-E0112
0711	0	LT-P500A Level Ir		DAF TNKP500A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		l120	WP-P0008	WB-A0455	WB-A0402	WP-E0134
0712	1	LE-P500A Level E	Element I	DAF TNKP500A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0008	WB-A0455	WB-A0401	WP-E0134
0713	1	SOL-P520A Solenoi	oid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP500A)						Supply Contractor	Mech. Contractor			WP-P0008			WP-E0134
0714	1	SOL-P520B Solenoi	oid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP500A)						Supply Contractor	Mech. Contractor			WP-P0008			WP-E0134
0715	1	FT-P600A Flow In		Raw Water Flow to DAF TNKP600A			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0003	WB-A0453	WB-A0402	WA-E0112
0716	1	FE-P600A Flow El		Raw Water Flow to DAF TNKP600A				0-650 L/s	Flange	Mech. Contractor	Mech. Contractor	450 mm	I100	WP-P0003	WB-A0453	WB-A0453	WA-E0112
0717	0	LT-P600A Level Ir		DAF TNKP600A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		l120	WP-P0009	WB-A0455	WB-A0402	WP-E0134
0718	1	LE-P600A Level E		DAF TNKP600A Level					Bracket	Supply Contractor	E&I Contractor		l120	WP-P0009	WB-A0455	WB-A0401	WP-E0134
0719	1	SOL-P620A Solenoi		DAF Basin Headwall Spray Wash Header Valve (TNKP600A)						Supply Contractor	Mech. Contractor			WP-P0009			WP-E0134
0720	1	SOL-P620B Solenoi		DAF Basin Float Trough Spray Wash Valve (TNKP600A)						Supply Contractor	Mech. Contractor			WP-P0009			WP-E0134
0721	1	FT-P700A Flow In		Raw Water Flow to DAF TNKP700A			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0003	WB-A0453	WB-A0402	WA-E0112
0722	1	FE-P700A Flow El		Raw Water Flow to DAF TNKP700A				0-650 L/s	Flange	Mech. Contractor	Mech. Contractor	450 mm	I100	WP-P0003	WB-A0453	WB-A0453	WA-E0112
0723	0	LT-P700A Level Ir		DAF TNKP700A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		l120	WP-P0010	WB-A0455	WB-A0402	WP-E0134
0724	1	LE-P700A Level E	Element	DAF TNKP700A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0010	WB-A0455	WB-A0401	WP-E0134

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	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
NO.	NO.	INAIVIE	INSTRUMENT TYPE	SERVICE			SUPPLY	KANGE		DY	Dĭ		DATA SHEET	DRAWING	LOUP DIA.	DETAIL	DWG.
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	1	FT-P800A	Flow Indicator Transmitter	Raw Water Flow to DAF TNKP800A			120V		Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0003	WB-A0453	WB-A0402	WA-E0112
0728	1	FE-P800A	Flow Element	Raw Water Flow to DAF TNKP800A				0-650 L/s	Flange	Mech. Contractor	Mech. Contractor	450 mm	I100	WP-P0003	WB-A0453	WB-A0453	WA-E0112
0729	0	LT-P800A L	Level Indicator Transmitter	DAF TNKP800A Level			120V	0-600 mm	Wall/ Stand	Supply Contractor	E&I Contractor		I120	WP-P0011	WB-A0455	WB-A0402	WP-E0134
0730	1	LE-P800A L	Level Element	DAF TNKP800A Level					Bracket	Supply Contractor	E&I Contractor		I120	WP-P0011	WB-A0455	WB-A0401	WP-E0134
0731	1	SOL-P820A	Solenoid Actuator	DAF Basin Headwall Spray Wash Header Valve (TNKP800A)						Supply Contractor	Mech. Contractor			WP-P0011			WP-E0134
0732	1		Solenoid Actuator	DAF Basin Float Trough Spray Wash Valve (TNKP800A)						Supply Contractor	Mech. Contractor			WP-P0011			WP-E0134
0733	1		Pressure Indicator Transmitter	DAF Air Receiver Pressure			Loop Powered	TBC		Mech. Contractor	E&I Contractor		l111	WP-P0016			WR-E0132
0734	1	PS-P910A	Pressure Switch	Air Compressor CMPP910A High Outlet Air Pressure						Supply Contractor	Mech. Contractor	Wired to local control panel	l115	WP-P0016			WR-E0132
0735	1	PI-P910A	Pressure Indicator	Air Compressor CMPP910A Outlet Air Pressure						Supply Contractor	Mech. Contractor		l112	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		WP-P0016			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	PI-P911A	Pressure Indicator	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		l112	WP-P0016			WR-E0132
0740	1	PI-P911E	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	PI-P911G F	Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		l112	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 F	Pressure Indicator	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		l131	WP-P0016			WR-E0132
0747	1	PI-P921A	Pressure Indicator	Air Receiver PV-P920A Pressure						Mech. Contractor	Mech. Contractor		l112	WP-P0016			WR-E0132
0748	1	PI-P921D F	Pressure Indicator	Filter Inlet Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0016			WR-E0132
0749	1	PI-P921E F	Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0016			WR-E0132
0750	1	PI-P921F F	Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		I112	WP-P0016			WR-E0132
0751	1		Pressure Indicator	FilterOutlet Pressure						Supply Contractor	Mech. Contractor		l112	WP-P0016			WR-E0132
0752	1	PT-P930A F	Pressure Indicator/Level Transmitter	DAF Float Sump P930A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	Mech. Contractor		l111	WP-P0018	WB-A0465	WB-A0408	WP-E0113
	1			·							Mech. Contractor			WP-P0018		WB-A0408	WP-E0113
0753	1		Pressure Indicator/Level Transmitter	DAF Float Transfer Pump P931A			Loop Powered	0-100 Kpa	Flange	E&I Contractor			l111	WP-P0018	WD-AU400	WD-AU406	WP-EUII3
0754	1		Pressure Indicator	·						Mech. Contractor	Mech. Contractor		l112				
0755	ı	PI-P932A F	Pressure Indicator	DAF Float Transfer Pump P932A Discharge						Mech. Contractor	Mech. Contractor		l112	WP-P0018			+
0756	1	PT-P940A	Pressure Indicator/Level Transmitter	DAF Float Sump P940A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	Mech. Contractor		l111	WP-P0018	WB-A0465	WB-A0408	WP-E0113
0757	1			DAF Float Sump P940A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	Mech. Contractor		l111	WP-P0018	WB-A0465	WB-A0408	WP-E0113
0758	1	PI -P941A	Pressure Indicator	DAF Float Transfer Pump P94A1 Discharge						Mech. Contractor	Mech. Contractor		l112	WP-P0018			
0759	1	PI -P942A F	Pressure Indicator	DAF Float Transfer Pump P942A Discharge						Mech. Contractor	Mech. Contractor		l112	WP-P0018			
0760	1	PT-P950A	Pressure Indicator/Level Transmitter	DAF Float Sump P950A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	Mech. Contractor		l111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0761	1			DAF Float Sump P950A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	Mech. Contractor		l111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0762	1		Pressure Indicator	DAF Float Transfer Pump P951A Discharge						Mech. Contractor	Mech. Contractor		l112	WP-P0019			
0763	1	PI -P952A	Pressure Indicator	DAF Float Transfer Pump P952A Discharge						Mech. Contractor	Mech. Contractor		l112	WP-P0019			
0764	1	PT-P960A	Pressure Indicator/Level Transmitter	DAF Float Sump P960A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	Mech. Contractor		l111	WP-P0019	WB-A0465	WB-A0408	WP-E0114
0765	1	PT-P960B F	Pressure Indicator/Level Transmitter	DAF Float Sump P960A Level			Loop Powered	0-100 Kpa	Flange	E&I Contractor	Mech. Contractor		l111	WP-P0019	WB-A0465	WB-A0408	WP-E0114

RECORD RE	EV.	TAG	DESCRIPTION													
NO. N			DECOMI NOT	MANUFACTURER	MODEL	POWER	CALIBRATED	MOUNTING	SUPPLIED	INSTALLED	COMMENTS	SPEC.	P&ID	INSTRUMENT	INSTALLATION	LOCATION
	lo.	NAME INSTRUMENT TYPE	SERVICE	WANUFACTURER	WODEL	SUPPLY	RANGE	WOONTING	BY	BY	COMMENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
0766	1	PI -P961A Pressure Indicator	DAF Float Transfer Pump P961A Discharge						Mech. Contractor	Mech. Contractor		l112	WP-P0019			1
0767	1	PI -P962A Pressure Indicator	DAF Float Transfer Pump P962A Discharge						Mech. Contractor	Mech. Contractor		I112	WP-P0019			
0768	0	LS-P970A Level Switch	DAF Effluent Channel West Side (Train 1)			120V	2.4 mtrs from bottom of channel	Flange	E&I Contractor	E&I Contractor		I125	WP-P0017	WB-A0463	WB-A0406	WP-E0133
0769	0	LT-P970A Level Indicator Transmitter	DAF Effluent Channel West Side (Train 1)			120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WP-P0017	WB-A0455	WB-A0402	WP-E0133
0770	0	LE-P970A Level Element	DAF Effluent Channel West Side (Train 1)					Flange	E&I Contractor	E&I Contractor		I120	WP-P0017	WB-A0455	WB-A0401	WP-E0133
0771 (	0	LS-P971A Level Switch	DAF Effluent Channel East Side (Train 2)			120V	2.4 mtrs from bottom of channel	Flange	E&I Contractor	E&I Contractor		I125	WP-P0017	WB-A0463	WB-A0406	WP-E0134
0772 (	0	LT-P971A Level Indicator Transmitter	DAF Effluent Channel East Side (Train 2)			120V	0-5 m	Wall/ Stand	E&I Contractor	E&I Contractor		I120	WP-P0017	WB-A0455	WB-A0402	WP-E0134
0773	0	LE-P971A Level Element	DAF Effluent Channel East Side (Train 2)					Flange	E&I Contractor	E&I Contractor		l120	WP-P0017	WB-A0455	WB-A0401	WP-E0134
0774	1 .	AE-P975A Turbidity Analyzer	DAF Common Effluent Channel Turbidity					Backboard	E&I Contractor	E&I Contractor			WP-P0017			WP-E0113
0775	1 .	AT-P975A Turbidity Indicator Transmitter	DAF Common Effluent Channel Turbidity				3-5 NTU	Backboard	E&I Contractor	E&I Contractor			WP-P0017			WP-E0113
077/		EL DOZEA Consola Flavola disease	DAF Common Fiftherst Observed Tout 11th Commits Floring					Dlubl	Fol Control don	Ent Control to	Rotameter Complete With Low Flow		WD D0017			WD F0112
0776		FI-P975A Sample Flow Indicator	DAF Common Effluent Channel Turbidity Sample Flow					Backboard	E&I Contractor	E&I Contractor	Switch		WP-P0017			WP-E0113
0777		FS-P975A Flow Switch	DAF Common Effluent Channel Turbidity Low Sample Flow					Backboard	E&I Contractor	E&I Contractor			WP-P0017			WP-E0113
0770		AE-P976A PH Element	DAF Common Effluent Channel pH				4.0	Backboard	E&I Contractor	E&I Contractor			WP-P0017			WP-E0113
0779		AT-P976A pH Indicator Transmitter  LE-P980A Level Element	DAF Common Effluent Channel pH				4-8	Backboard	E&I Contractor	E&I Contractor		I120	WP-P0017	WB-A0455	WB-A0401	WP-E0113
0780		LE-P980A Level Element  LT-P980A Level Indicator Transmitter	DAF Area Process Sump Pump Level  DAF Area Process Sump Pump Level			1201/	0-4 m	Bracket Wall/ Stand	E&I Contractor E&I Contractor	E&I Contractor		I120 I120	WP-P0020 WP-P0020	WB-A0455	WB-A0401 WB-A0402	WA-E0102 WA-E0102
0781		LE-P980B Level Element	DAF Area Process Sump Pump Level			120V	0-4 111	Bracket		E&I Contractor			WP-P0020	WB-A0455 WB-A0455	WB-A0402	WA-E0102 WA-E0102
0782		LT-P980B Level Indicator Transmitter	DAF Area Process Sump Pump Level			120V	0-4 m	Wall/ Stand	E&I Contractor E&I Contractor	E&I Contractor  E&I Contractor		I120 I120	WP-P0020	WB-A0455 WB-A0455	WB-A0401	WA-E0102 WA-E0102
0783 0784 0		FT-P990A Flow Indicator Transmitter	Sump P930A and Sump P940A Float Flow			120V 120V	0-4 111	Wall/Stand	Mech. Contractor	E&I Contractor		I100	WP-P0020	WB-A0453 WB-A0453	WB-A0402 WB-A0402	WP-M0209
		FE-P990A Flow Element	Sump P930A and Sump P940A Float Flow			1201	0-25 L/s	Flange	Mech. Contractor	Mech. Contractor	75 mm	I100	WP-P0018	WB-A0453 WB-A0453	WB-A0453	WP-M0209
		FT-P993A Flow Indicator Transmitter	Sump P950A and Sump P960A Float Flow			120V	0-23 E/3	Wall/Stand	Mech. Contractor	E&I Contractor	75 111111	I100	WP-P0019	WB-A0453 WB-A0453	WB-A0403	WP-M0209
		FE-P993A Flow Element	Sump P950A and Sump P960A Float Flow			1201	0-25 L/s	Flange	Mech. Contractor	Mech. Contractor	75 mm	I100	WP-P0019	WB-A0453 WB-A0453	WB-A0453	WP-M0209
0707		TET 773/T HOW Element	Washwater Recovery Tanks Sludge to Flocculation Chamber				0 20 03	riange	Wiceri. Contractor	Ween. Contractor	75 11111	1100	WI 1 0017	WB 710433	WB 710433	WI WOZO7
0788	0 /	AE-R001A Suspended Solids Monitor	Suspended Solids Monitor					In Line	E&I Contractor	E&I Contractor		l160	WR-P0006	WB-A0462	WB-A0410	WR-E0401
0789	0 /	AT-R001A Suspended Solids Analyzer	Washwater Recovery Tanks Sludge to Flocculation Chamber 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	1	FT-R001B Flow Indicator Transmitter	Washwater Recovery Tanks Sludge to Flocculation Chamber Flow			120V		Wall/Stand	Mech Contractor	E&I Contractor		l100	WR-P0006	WB-A0453	WB-A0402	WR-E0401
0791	1	FE-R001B Flow Element	Washwater Recovery Tanks Sludge to Flocculation Chamber Flow				0-2500 l/m	Flange	Mech Contractor	Mech Contractor	150 mm	l100	WR-P0006	WB-A0453	WB-A0453	WR-E0401
0792	0	Multiple Point Conductivity Level LS-R001A Switch	Flocculation Chamber Level Switch			120V	Low setpoint 0.1 mtr from bottom of chamber High setpoint 0.94 mtrs from bottom of chamber High high setpoint 1.1 mtrs from bottom of chamber	Bracket	E&I Contractor	E&I Contractor		l126	WR-P0006	WB-A0458	N/A	WR-E0401
0793		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 1	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	0 1	AE-R010A Suspended Solids Monitor	Washwater Recovery Tank Supernatent Suspended Solids Monitor					In Line	E&I Contractor	E&I Contractor	Mounted on backboard	l160	WR-P0006	WB-A0462	WB-A0410	WR-E0401
0798	0 .	AT-R010A Suspended Solids Analyzer	Washwater Recovery Tank Supernatent Suspended Solids Monitor			120V	0-50 g/l	Wall/ Stand	E&I Contractor	E&I Contractor	Mounted on backboard	l160	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

								TRUMENT 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	MANOTAGTORER	WODEL	SUPPLY	RANGE	MOONTHIO	ВҮ	ВҮ	GOWINENTS	DATA SHEET	DRAWING	LOOP DIA.	DETAIL	DWG.
												Mounted to monitor flow over the					
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	weir	l126	WR-P0001	WB-A0458	N/A	WR-E0123
0803	0	CD D0104	Sample Pump	Washwater Recovery Tank Supernatent Suspended Solids Monitor			120V	To suit required sample flow rate	Floor	Mech Contractor	Mech Contractor			WR-P0006			WR-E0401
			' '	Sample Pump				<u> </u>					1105		WD 10142	WB-A0406	WR-E0401
0804	0	LS-R020A		Supernatent Pump Station Live Live Level			120V	2.25 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		I125	WR-P0007	WB-A0463		
0805	0	LS-R020B		Supernatent Pump Station High High Level			120V	7.4 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		I125	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-RUZUA	Level Element	Supernatent Pump Station Level					Bracket	E&I Contractor	E&I Contractor		l120	WR-P0007	WB-A0455	WB-A0401	WR-E0401
0808	0	LS-R020C	Multiple Point Conductivity Level Switch	Overflow Channel Level Switch			120V	High setpoint 0.74 mtrs from bottom of chamber High high setpoint 0.84 mtrs from bottom of chamber	Flange	E&I Contractor	E&I Contractor		1126	WR-P0007	WB-A0458		WR-E0122
0809		LS-R020D	Multiple Point Conductivity Level	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		Reverse Spin Relay	Supernatent Pump P-R021A Reverse Spin Relay			1201	That it of the state of the sta	i idiigo	Mech Contractor	Mech Contractor	Part of speed transmilter	1120	WR-P0007			WR-E0401
30.10	$\vdash$	31 NOZIA	Total So Spirittolay	ospensioner ump i 102 in novoise opin noug						sorr sorringetor	com continuctor	Mounted local to pump with repeat		*****			20701
0811	1	ST-R021A	Speed Indicator Transmitter	Supernatent Pump P-R021A Speed Indicator Transmitter						Mech Contractor	Mech Contractor	indication at MCC		WR-P0007			WR-E0401
0812	1	SOL-R021R	Solenoid Actuator	Supernatent Pump P-R021A Outlet Control Valve Solenoid Operator					Valve	Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			
0813	1		Temperature Transmitter	Supernatent Pump P-R021A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			-
0814	1	TT-R021C	Temperature Indicator Transmitter	Supernatent Tump F-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					'	Mech Contractor	Mech Contractor	Wired to MCC	I131	WR-P0007			
0013	'	11-K021D	Temperature muicator Transmitter	Supernatent Pump P-Roz IA Top Bearing Temperature					Pump	INIECTI CONTRACTO	IVIECTI CUTILI ACIUI		1131	WK-P0007			
0816	1		Vibration Transmitter	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	Solenoid Actuator	Supernatent Pump P-R022A Outlet Control Valve Solenoid Operator					Valve	Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			
0820	1	TT-R022B	Temperature Indicator Transmitter	Supernatent Pump P-R022A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0821	1	TT-R022C	Temperature Indicator Transmitter	Supernatent Pump P-R022A Bottom Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0822	1	TT-R022D	Temperature Indicator Transmitter	Supernatent Pump P-R022A Top Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	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		Solenoid Actuator	Supernatent Pump P-R023A Outlet Control Valve Solenoid Operator					Valve	Mech Contractor	Mech Contractor	Wired to MCC		WR-P0007			
0826	1	TT-R023B	Temperature Indicator Transmitter	Supernatent Pump P-R023A Winding Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0827	1	TT-R023C	Temperature Indicator Transmitter	Supernatent Pump P-R023A Bottom Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	WR-P0007			
0828	1	TT-R023D	Temperature Indicator Transmitter	Supernatent Pump P-R022A Top Bearing Temperature					Pump	Mech Contractor	Mech Contractor	Wired to MCC	l131	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	0	AE-R024A	Turbidity/ TSS Monitor	Supernatent Pump Station Outlet Turbidity/TSS					Inline	Mech Contractor	Mech Contractor			WR-P0007			WR-E0401
0831	0	AT-R024A	Turbidity/ TSS Analyzer	Supernatent Pump Station Outlet Turbidity/TSS					Wall/ Stand	Mech Contractor	Mech Contractor			WR-P0007			WR-E0401
0832	1	FE-R024A	Flow Element	Supernatent Pump Station Outlet Flow				0-3500 l/m	Flange	Mech Contractor	Mech Contractor		I100	WR-P0007	WB-A0453	WB-A0453	WR-E0401
0833	1	FT-R024A	Flow Indicator Transmitter	Supernatent Pump Station Outlet Flow			120V		Wall/Stand	Mech Contractor	E&I Contractor	600mm	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			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			Level Switch	Washwater Recovery Tank WRTR100A High High Level		1	120V	2.1 mtrs from slab	Flange	E&I Contractor	E&I Contractor		I125	WR-P0002	WB-A0463	WB-A0406	WR-E0401
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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.
0838	0	LT-R100D Level Indicator Transmitter	Washwater Recovery Tank WRTR100A Level			120V	0-6 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	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		I120	WR-P0002	WB-A0455	WB-A0401	WR-E0401
0840	0	LT-R100E Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Level			120V	0-4000NTU 0-50 g/l	Wall/ Stand	E&I Contractor	E&I Contractor		1160	WR-P0002	WB-A0462	WB-A0410	WR-E0122
0841	0	LE-R100E Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Level			40014		In Liquid	E&I Contractor	E&I Contractor		1160	WR-P0002	WB-A0462	WB-A0410	WR-E0122
0842	0	LS-R200A Level Switch	Washwater Recovery Tank WRTR200A Low Low Level			120V	6.2 mtrs from slab	Flange	E&I Contractor	E&I Contractor		I125	WR-P0003	WB-A0463	WB-A0406	WR-E0401
0843	0	LS-R200B Level Switch	Washwater Recovery Tank WRTR200A High High Level			120V	2.1 mtrs from slab	Flange	E&I Contractor	E&I Contractor		I125	WR-P0003	WB-A0463	WB-A0406	WR-E0401
0844	0	LT-R200D Level Indicator Transmitter	Washwater Recovery Tank WRTR200A Level			120V	0-6 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WR-P0003	WB-A0455	WB-A0402	WR-E0401
0845	0	LE-R200D Level Element	Washwater Recovery Tank WRTR200A Level			4001/		Flange	E&I Contractor	E&I Contractor		I120	WR-P0003	WB-A0455	WB-A0401	WR-E0401
0846	0	LT-R200E Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Level			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	0	LE-R200E Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Level			1001/	( 2 material fragmentals	In Liquid	E&I Contractor	E&I Contractor		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		I125	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		l120	WR-P0004	WB-A0455	WB-A0402	WR-E0401
0851	0	LE-R300D Level Element	Washwater Recovery Tank WRTR300A Level			1001/	0.4000NTH 0.50 =//	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 Level			120V	0-4000NTU 0-50 g/l	Wall/ Stand	E&I Contractor	E&I Contractor		1160	WR-P0004	WB-A0462	WB-A0410	WR-E0122
0853	0	LE-R300E Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Level			1201/	/ 2 matro from alah	In Liquid	E&I Contractor	E&I Contractor		1160	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		I125	WR-P0005	WB-A0463 WB-A0463	WB-A0406	WR-E0401
0855	0	LS-R400B Level Switch  LT-R400D Level Indicator Transmitter	Washwater Recovery Tank WRTR400A High High Level			120V	2.1 mtrs from slab	Flange Wall/ Stand	E&I Contractor	E&I Contractor		I125	WR-P0005	WB-A0463 WB-A0455	WB-A0406	WR-E0401
0856	0		Washwater Recovery Tank WRTR400A Level			120V	0-6 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WR-P0005		WB-A0402	WR-E0401
0857	0	LE-R400D Level Element	Washwater Recovery Tank WRTR400A Level			1201/	0.4000NTU 0.50 a/l	Flange Wall/ Stand	E&I Contractor	E&I Contractor		I120 I160	WR-P0005	WB-A0462 WB-A0462	WB-A0410	WR-E0401 WR-E0122
0858	0	LT-R400E Turbidity/TSS Monitor  LE-R400E Turbidity/TSS Monitor	Washwater Recovery Tank WRTR100A Turbidity/TSS Level Washwater Recovery Tank WRTR100A Turbidity/TSS Level			120V	0-4000NTU 0-50 g/l	Wall/ Stand	E&I Contractor E&I Contractor	E&I Contractor E&I Contractor		1160	WR-P0005 WR-P0005	WB-A0462	WB-A0410 WB-A0410	WR-E0122 WR-E0122
0859	0	AE-R500B TSS Analyser Sensor	Gravity Thickener GT500A TSS					In Liquid	E&I Contractor	E&I Contractor		1100	WR-P0003	WD-A0402	WD-A0410	WR-E0122 WR-E0401
0000	U	AL-NOOD 133 Analyser Sensor	Gravity Mickeller G1500A 133						Lar contractor	Lar Contractor		+	WIX-F 0000			WIN-LU401
0861	0	AT-R500B TSS Analyser Indicator Transmitter	Gravity Thickener GT500A TSS						E&I Contractor	E&I Contractor			WR-P0008			WR-E0401
0862	0	AE-R500C Turbidity Analyser Sensor	Gravity Thickener GT500A Turbidity						E&I Contractor	E&I Contractor			WR-P0008			WR-E0401
-		Turbidity Analyser Indicator	,													+
0863	0	AT-R500C Transmitter	Gravity Thickener GT500A Turbidity						E&I Contractor	E&I Contractor			WR-P0008			WR-E0401
0864	0	LS-R500A Level Switch	Gravity Thickener GT500A High Level			120V	6.8 mtrs from bottom of tank	Bracket	E&I Contractor	E&I Contractor		I125	WR-P0008	WB-A0463	WB-A0406	WR-E0401
0865	0	VS-R500A Torque Switch	Gravity Thickener GT500A High Torque Switch						Mech Contractor	Mech Contractor			WR-P0008			WR-E0401
0866	0	AE-R600B TSS Analyser Sensor	Gravity Thickener GT600A TSS						E&I Contractor	E&I Contractor			WR-P0008			WR-E0401
0867	0		Gravity Thickener GT600A TSS						E&I Contractor	E&I Contractor			WR-P0008			WR-E0401
0868	0	AE-R600C Turbidity Analyser Sensor	Gravity Thickener GT600A Turbidity						E&I Contractor	E&I Contractor			WR-P0008			WR-E0401
00/0	_	Turbidity Analyser Indicator	Consider Third const. CT/ OOA Trushidite.						E 0.1 Combractor	E.O.I. Combractor			WD D0000			WD F0401
0869	0	AT-R600C Transmitter	Gravity Thickener GT600A Turbidity			1001/	( O code from bottom of book	Deselvet	E&I Contractor	E&I Contractor		1105	WR-P0008	1MD 404/2	MD AGAG	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		1120	WR-P0008	M/D AD4EE	WB-A0401	WR-E0401
0872	0	LE-R710D Level Element	Thickened Sludge Tank TKR710 Level	1		1201/	0.9.2 mtre	Mall/ Stand	E&I Contractor	E&I Contractor		I120	WR-P0009	WB-A0455		WR-E0401
0873	0	LT-R710D Level Indicator Transmitter  LS-R710A Level Switch	Thickened Sludge Tank TKR710 Level			120V	0-8.3 mtrs	Wall/ Stand	E&I Contractor	E&I Contractor		l120	WR-P0009	WB-A0455 WB-A0463	WB-A0402	WR-E0401
0874	0		Thickened Sludge Tank TKR710 Low Low Level			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  LE-R720D Level Element	Thickened Sludge Tank TKR710 High High Level Thickened Sludge Tank TKR720 Level			120V	8 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		I125	WR-P0009	WB-A0463 WB-A0455	WB-A0406 WB-A0401	WR-E0401 WR-E0401
0876	0		-			1201/	0.9.2 mtre	Mall/ Stand	E&I Contractor	E&I Contractor		I120	WR-P0009			
0877 0878	0	LT-R720D Level Indicator Transmitter  LS-R720A Level Switch	Thickened Sludge Tank TKR720 Level Thickened Sludge Tank TKR720 Low Low Level			120V 120V	0-8.3 mtrs 1.4 mtrs from bottom of tank	Wall/ Stand Flange	E&I Contractor E&I Contractor	E&I Contractor E&I Contractor		I120 I125	WR-P0009 WR-P0009	WB-A0455 WB-A0463	WB-A0402 WB-A0406	WR-E0401 WR-E0401
0879	0	LS-R720B Level Switch	Thickened Sludge Tank TKR/20 Low Low Level  Thickened Sludge Tank TKR/20 High High Level			120V	8 mtrs from bottom of tank	Flange	E&I Contractor	E&I Contractor		1125	WR-P0009	WB-A0463	WB-A0406	WR-E0401
0879	0	AE-R730B TSS Analyser Sensor	Thickened Sludge to Freeze Thaw Ponds TSS			1201	o mas nom bottom or tank	i ianyt	E&I Contractor	E&I Contractor		1120	WR-P0009	WD-M0403	WD-A0400	WR-E0401 WR-E0401
0000		7.2 177000 1700 Analysic Schsol	Thioreston Stange to Freeze Haw Folias 133						Ear Contractor	Ear Contractor			VVIX-1 0007	<u> </u>		WIN EUTUI
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	1		120V		Wall/Stand	Mech Contractor	E&I Contractor	1	I100	WR-P0009	WB-A0453	WB-A0402	WR-E0401
0884	0	PI-R730 Pressure Indicator	Thickened Sludge to Freeze Thaw Ponds Pressure		<u> </u>				Mech Contractor	E&I Contractor		I112	WR-P0009			+
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The City of Winnipeg Water Treatment Program Supply and Installation of Water Treatment Plant Process Mechanical and Electrical Bid Opportunity 742-2005 Addendum 2 Section 17700-A (R1) Page 23 of 23 April 2006

RE	CORD	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.
088	5	0	SOL-R730A	Solenoid Valve	Thickened Sludge to Freeze Thaw Ponds Pump Outlet Control Valve Solenoid Operator						Mech Contractor	E&I Contractor			WR-P0009			WR-E0401