

## **APPENDIX 'B' – INSTRUMENTATION INDEX**

INSTRUMENTATION INDEX

RECORD NO.	TAG NAME	DESCRIPTION		LOCATION	MOUNTING	LOOP DIAGRAM	P&ID	SUPPLIED BY	COMMENTS
		INSTRUMENT TYPE	SERVICE						
001	ESL-L528	POWER FAIL RELAY	120 VAC	MAIN FLOOR	PANEL	1-0178L-A0004	1-0178L-A0004	AUTOMATION	Supplied with CP-L81
002	ESL-L712	POWER FAIL RELAY	600 VAC	MAIN FLOOR	PANEL	1-0178L-A0030	1-0178L-E0007	ELECTRICAL	Supplied with MCC-L71
003	FE-L201	DISCHARGE FLOW METER	FORCEMAIN FLOWMETER	PUMP ROOM	PIPE	1-0178L-A0029	1-0178L-P0003	AUTOMATION	
004	FIT-L201	DISCHARGE FLOW METER TRANSMITTER	FORCEMAIN FLOWMETER	PUMP ROOM	PIPE	1-0178L-A0029	1-0178L-P0003	AUTOMATION	
005	FSL-L011	SEAL WATER FLOW SWITCH	PUMP P-L01	PUMP ROOM	PIPE	1-0178L-A0028	1-0178L-P0003	AUTOMATION	
006	FSL-L021	SEAL WATER FLOW SWITCH	PUMP P-L02	PUMP ROOM	PIPE	1-0178L-A0028	1-0178L-P0003	AUTOMATION	
007	FSL-L662	LOW AIR FLOW SWITCH	HVAC SF-L66	MAIN FLOOR	DUCT	1-0178L-A0043	1-0178L-P0001	MECHANICAL	
008	FSL-L667	LOW AIR FLOW SWITCH	HVAC SF-L67	MOTOR ROOM	DUCT	1-0173L-A0043	1-0178L-P0001	MECHANICAL	
009	FV-L601	VENTILATION INTAKE AIR DAMPER ACTUATOR	HVAC	MAIN FLOOR	DAMPER	1-0178L-A0020	1-0178L-P0002	MECHANICAL	Modulating
010	FV-L602	VENTILATION RETURN AIR DAMPER ACTUATOR	HVAC	MAIN FLOOR	DAMPER	1-0178L-A0020	1-0178L-P0002	MECHANICAL	Modulating
011	FV-L603	VENTILATION EXHAUST AIR DAMPER ACTUATOR	HVAC	MAIN FLOOR	DAMPER	1-0178L-A0020	1-0178L-P0002	MECHANICAL	Modulating
012	FV-L604	VENTILATION SUPPLY AIR DAMPER ACTUATOR	HVAC	MAIN FLOOR	DAMPER	1-0178L-A0020	1-0178L-P0002	MECHANICAL	Modulating
013	FV-L605	VENTILATION RETURN AIR DAMPER ACTUATOR	HVAC	MOTOR ROOM	DAMPER	1-0178L-A0020	1-0178L-P0002	MECHANICAL	Modulating
014	HS-L600	STATION OCCUPIED LIGHT SWITCH	MAIN LEVEL	MAIN FLOOR	WALL	1-0178L-A0018	1-0178L-P0002	ELECTRICAL	
015	HSS-L010-4	EMERGENCY STOP PUSHBUTTON	PUMP P-L01	PUMP ROOM	WALL	1-0178L-E0008	1-0178L-P0003	AUTOMATION	
016	HSS-L010-5	EMERGENCY STOP PUSHBUTTON	PUMP P-L01	MOTOR ROOM	WALL	1-0178L-E0008	1-0178L-P0003	AUTOMATION	
017	HSS-L010-6	EMERGENCY STOP PUSHBUTTON	PUMP P-L01	MAIN FLOOR	PANEL	1-0178L-E0008	1-0178L-P0003	ELECTRICAL	Supplied with MCC-L71
018	HSS-L020-4	EMERGENCY STOP PUSHBUTTON	PUMP P-L02	PUMP ROOM	WALL	1-0178L-E0010	1-0178L-P0003	AUTOMATION	
019	HSS-L020-5	EMERGENCY STOP PUSHBUTTON	PUMP P-L02	MOTOR ROOM	WALL	1-0178L-E0010	1-0178L-P0003	AUTOMATION	
020	HSS-L020-6	EMERGENCY STOP PUSHBUTTON	PUMP P-L02	MAIN FLOOR	PANEL	1-0178L-E0010	1-0178L-P0003	ELECTRICAL	Supplied with MCC-L71
021	IT-L010	CURRENT TRANSDUCER	PUMP P-L01	MAIN FLOOR	PANEL	1-0178L-E0008	1-0178L-P0003	ELECTRICAL	Supplied with MCC-L71
022	IT-L020	CURRENT TRANSDUCER	PUMP P-L01	MAIN FLOOR	PANEL	1-0178L-E0010	1-0178L-P0003	ELECTRICAL	Supplied with MCC-L71
023	KQI-L010	RUN TIME METER	PUMP P-L01	MAIN FLOOR	PANEL	1-0178L-E0008	1-0178L-E0008	ELECTRICAL	Supplied with MCC-L71
024	KQI-L020	RUN TIME METER	PUMP P-L02	MAIN FLOOR	PANEL	1-0178L-E0010	1-0178L-E0010	ELECTRICAL	Supplied with MCC-L71
025	LG-L100-1	SIGHT GLASS LEVEL GAUGE 1	WET WELL	PUMP ROOM	WALL	1-0178L-P0003	1-0178L-P0003	AUTOMATION	
026	LG-L100-2	SIGHT GLASS LEVEL GAUGE 2	WET WELL	PUMP ROOM	WALL	1-0178L-P0002	1-0178L-P0003	AUTOMATION	
027	LIC-L100-1	LEVEL CONTROLLER 1	WET WELL	MAIN FLOOR	PANEL	1-0178L-A0025	1-0178L-P0003	AUTOMATION	Supplied with CP-L81
028	LIC-L100-2	LEVEL CONTROLLER 2	WET WELL	MAIN FLOOR	PANEL	1-0178L-A0025	1-0178L-P0003	AUTOMATION	Supplied with CP-L81
029	LIT-L100-1	SIGHT GLASS PRESSURE TRANSMITTER 1	WET WELL	PUMP ROOM	WALL	1-0178L-A0025	1-0178L-P0003	AUTOMATION	
030	LIT-L100-2	SIGHT GLASS PRESSURE TRANSMITTER 2	WET WELL	PUMP ROOM	WALL	1-0178L-A0025	1-0178L-P0003	AUTOMATION	
031	LSHH-L101	WET WELL HIGH LEVEL SWITCH	WET WELL	WET WELL	SUSPENDED	1-0178L-A0022	1-0178L-P0003	AUTOMATION	Intrinsically safe.
032	LSH-L100	WET WELL HIGH LEVEL SWITCH	WET WELL	WET WELL	SUSPENDED	1-0178L-A0023	1-0178L-P0003	AUTOMATION	Intrinsically safe.
033	LSH-L501	PUMP ROOM FLOOD LEVEL SWITCH	PUMP ROOM	PUMP ROOM	SUSPENDED	1-0178L-A0024	1-0178L-P0003	AUTOMATION	
034	LSH-L502	COMMUNUTOR CHAMBER FLOOD LEVEL SWITCH	COMMUNUTOR ROOM	COMMUNUTOR ROOM	SUSPENDED	1-0178L-A0024	1-0178L-P0003	AUTOMATION	
035	MCC-L71.PM	MCC-L71 600 VAC POWER METER	ELECTRICAL	MAIN FLOOR	PANEL	1-0178L-E0007	1-0178L-E0002	ELECTRICAL	Supplied with MCC-L71
036	PSDH-L660	MAIN FLOOR SUPPLY FAN AIR FILTER PLUGGED SWITCH	HVAC	MAIN FLOOR	FILTER	1-0178L-A0027	1-0178L-P0003	MECHANICAL	
037	PSL-L526	STATION MAIN WATER LOW PRESSURE SWITCH	WATER	MAIN FLOOR	PIPE	1-0178L-A0026	1-0178L-P0003	AUTOMATION	
038	TE-L010-1	MOTOR 1 WINDING RTD 1	PUMP P-L01	MOTOR ROOM	MOTOR WINDING	1-0178L-A0033	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
039	TE-L010-2	MOTOR 1 WINDING RTD 2	PUMP P-L01	MOTOR ROOM	MOTOR WINDING	1-0178L-A0033	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
040	TE-L010-3	MOTOR 1 WINDING RTD 3	PUMP P-L01	MOTOR ROOM	MOTOR WINDING	1-0178L-A0033	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
041	TE-L010-4	MOTOR 1 WINDING RTD 4	PUMP P-L01	MOTOR ROOM	MOTOR WINDING	1-0178L-A0033	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
042	TE-L010-5	MOTOR 1 WINDING RTD 5	PUMP P-L01	MOTOR ROOM	MOTOR WINDING	1-0178L-A0034	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
043	TE-L010-6	MOTOR 1 WINDING RTD 6	PUMP P-L01	MOTOR ROOM	MOTOR WINDING	1-0178L-A0034	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
044	TE-L010-7	PUMP 1 DRIVE-END BEARING RTD	PUMP P-L01	PUMP ROOM	PUMP BEARING	1-0178L-A0035	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
045	TE-L010-8	PUMP 1 NON-DRIVE-END BEARING RTD	PUMP P-L01	PUMP ROOM	PUMP BEARING	1-0178L-A0035	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
046	TE-L020-1	MOTOR 2 WINDING RTD 1	PUMP P-L02	MOTOR ROOM	MOTOR WINDING	1-0178L-A0036	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
047	TE-L020-2	MOTOR 2 WINDING RTD 2	PUMP P-L02	MOTOR ROOM	MOTOR WINDING	1-0178L-A0036	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
048	TE-L020-3	MOTOR 2 WINDING RTD 3	PUMP P-L02	MOTOR ROOM	MOTOR WINDING	1-0178L-A0036	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
049	TE-L020-4	MOTOR 2 WINDING RTD 4	PUMP P-L02	MOTOR ROOM	MOTOR WINDING	1-0178L-A0036	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
050	TE-L020-5	MOTOR 2 WINDING RTD 5	PUMP P-L02	MOTOR ROOM	MOTOR WINDING	1-0178L-A0037	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
051	TE-L020-6	MOTOR 2 WINDING RTD 6	PUMP P-L02	MOTOR ROOM	MOTOR WINDING	1-0178L-A0037	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
052	TE-L020-7	PUMP 2 DRIVE-END BEARING RTD	PUMP P-L02	PUMP ROOM	PUMP BEARING	1-0178L-A0038	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
053	TE-L020-8	PUMP 2 NON-DRIVE-END BEARING RTD	PUMP P-L02	PUMP ROOM	PUMP BEARING	1-0178L-A0038	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
054	TE-L660-1	MAIN FLOOR SUPPLY DUCT TEMPERATURE SENSOR	HVAC	MAIN FLOOR	DUCT	1-0178L-A0019	1-0178L-P0002	MECHANICAL	
055	TE-L680-1	MOTOR ROOM SUPPLY DUCT TEMPERATURE SENSOR	HVAC	MOTOR ROOM	DUCT	1-0178L-A0021	1-0178L-P0002	MECHANICAL	
056	TIC-L660	MAIN FLOOR HVAC TEMPERATURE CONTROLLER	HVAC	MAIN FLOOR	WALL	1-0178L-A0019	1-0178L-P0002	MECHANICAL	
057	TIC-L680	MOTOR ROOM HVAC TEMPERATURE CONTROLLER	HVAC	MOTOR ROOM	WALL	1-0178L-A0021	1-0178L-P0002	MECHANICAL	
058	TIT-L607	MAIN FLOOR TEMPERATURE INDICATING TRANSMITTER	MAIN LEVEL	MAIN FLOOR	CEILING	1-0178L-A0032	1-0178L-P0002	AUTOMATION	
059	TIT-L608	PUMP FLOOR TEMPERATURE INDICATING TRANSMITTER	PUMP ROOM	MAIN FLOOR	CEILING	1-0178L-A0032	1-0178L-P0002	AUTOMATION	
060	TS-L611	MAIN FLOOR UNIT HEATER THERMOSTAT	UH-L61	MAIN FLOOR	WALL	1-0178L-P0002	1-0178L-P0002	MECHANICAL	Supplied with Unit Heater UH-L61

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RECORD NO.	TAG NAME	DESCRIPTION		LOCATION	MOUNTING	LOOP DIAGRAM	P&ID	SUPPLIED BY	COMMENTS
		INSTRUMENT TYPE	SERVICE						
061	TS-L621	LOWER LEVEL UNIT HEATER THERMOSTAT	UH-L62	LOWER LEVEL	WALL	1-0178L-P0002	1-0178L-P0002	MECHANICAL	Supplied with Unit Heater UH-L62
062	TS-L631	MOTOR ROOM UNIT HEATER THERMOSTAT	UH-L63	MOTOR ROOM	WALL	1-0178L-P0002	1-0178L-P0002	MECHANICAL	Supplied with Unit Heater UH-L63
063	TS-L641	PUMP ROOM UNIT HEATER THERMOSTAT	UH-L64	PUMP ROOM	WALL	1-0178L-P0002	1-0178L-P0002	MECHANICAL	Supplied with Unit Heater UH-L64
064	TS-L651	COMMUNITOR CHAMBER UNIT HEATER THERMOSTAT	UH-L65	COMMUNITOR ROOM	WALL	1-0178L-P0002	1-0178L-P0002	MECHANICAL	Supplied with Unit Heater UH-L65
065	TS-L661	MAIN FLOOR DUCT HEATER SCR CONTROLLER	HCE-L60	MAIN FLOOR	WALL	1-0178L-P0002	1-0178L-P0002	MECHANICAL	Supplied with Heater Scr HCE-L60
066	VT-L010-1	PUMP 1 DRIVE-END BEARING VIBRATION SENSOR X	PUMP P-L01	PUMP ROOM	PUMP BEARING	1-0178L-A0039	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
067	VT-L010-2	PUMP 1 DRIVE-END BEARING VIBRATION SENSOR Y	PUMP P-L01	PUMP ROOM	PUMP BEARING	1-0178L-A0039	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
068	VT-L010-3	MOTOR 1 DE BEARING VIBRATION SENSOR X	PUMP P-L01	MOTOR ROOM	MOTOR BEARING	1-0178L-A0040	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
069	VT-L010-4	MOTOR 1 DE BEARING VIBRATION SENSOR Y	PUMP P-L01	MOTOR ROOM	MOTOR BEARING	1-0178L-A0040	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
070	VT-L010-5	MOTOR 1 ODE BEARING VIBRATION SENSOR X	PUMP P-L01	MOTOR ROOM	MOTOR BEARING	1-0178L-A0040	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
071	VT-L010-6	MOTOR 1 ODE BEARING VIBRATION SENSOR Y	PUMP P-L01	MOTOR ROOM	MOTOR BEARING	1-0178L-A0040	1-0178L-P0003	PROCESS	Supplied with Pump P-L01
072	VT-L020-1	PUMP 2 DRIVE-END BEARING VIBRATION SENSOR X	PUMP P-L02	PUMP ROOM	PUMP BEARING	1-0178L-A0041	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
073	VT-L020-2	PUMP 2 DRIVE-END BEARING VIBRATION SENSOR Y	PUMP P-L02	PUMP ROOM	PUMP BEARING	1-0178L-A0041	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
074	VT-L020-3	MOTOR 2 DE BEARING VIBRATION SENSOR X	PUMP P-L02	MOTOR ROOM	MOTOR BEARING	1-0178L-A0042	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
075	VT-L020-4	MOTOR 2 DE BEARING VIBRATION SENSOR Y	PUMP P-L02	MOTOR ROOM	MOTOR BEARING	1-0178L-A0042	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
076	VT-L020-5	MOTOR 2 ODE BEARING VIBRATION SENSOR X	PUMP P-L02	MOTOR ROOM	MOTOR BEARING	1-0178L-A0042	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
077	VT-L020-6	MOTOR 2 ODE BEARING VIBRATION SENSOR Y	PUMP P-L02	MOTOR ROOM	MOTOR BEARING	1-0178L-A0042	1-0178L-P0003	PROCESS	Supplied with Pump P-L02
078	XS-L711	MCC-L71 SURGE PROTECTION DEVICE	MCC-L71	MAIN FLOOR	PANEL	1-0178L-A0031	1-0178L-E0007	ELECTRICAL	Supplied with MCC-L71
079	XV-L011	SEAL WATER SOLENOID VALVE	PUMP P-L01	MOTOR ROOM	PIPE	1-0178L-E0008	1-0178L-P0003	ELECTRICAL	
080	XV-L021	SEAL WATER SOLENOID VALVE	PUMP P-L02	MOTOR ROOM	PIPE	1-0178L-E0010	1-0178L-P0003	ELECTRICAL	
081	ZSC-L531	ENTRY DOOR CONTACT	MAIN LEVEL	MAIN FLOOR	DOOR	1-0178L-A0017	1-0178L-P0002	AUTOMATION	
082	ZSC-L532	ENTRY DOOR CONTACT	MAIN LEVEL	MAIN FLOOR	DOOR	1-0178L-A0017	1-0178L-P0002	AUTOMATION	
083	RIV-S-661-LIT	HYDROSTATIC LEVEL TRANSMITTER	CSO	UPSTREAM WEIR	PIPE	1-0178-A-A0204-001-00		EXISTING	
084	RIV-S-951-LIT	RADAR LEVEL TRANSMITTER	CSO	DOWNSTREAM WEIR	PIPE	1-0178-A-A0204-001-00		EXISTING	
085	RIV-S-851-ZT	INCLINATION TRANSMITTER	CSO	FLAP GATE	WALL	1-0178-A-A0204-001-00		EXISTING	
086	RIV-S-651-FE/VE/LE	FLOW METER SENSOR	CSO	INFLOW	PIPE	1-0178-A-A0204-001-00		EXISTING	
087	RIV-S-651-FIT/VIT/LIT	FLOW METER TRANSMITTER	CSO	INFLOW	WALL	1-0178-A-A0204-002-00		EXISTING	