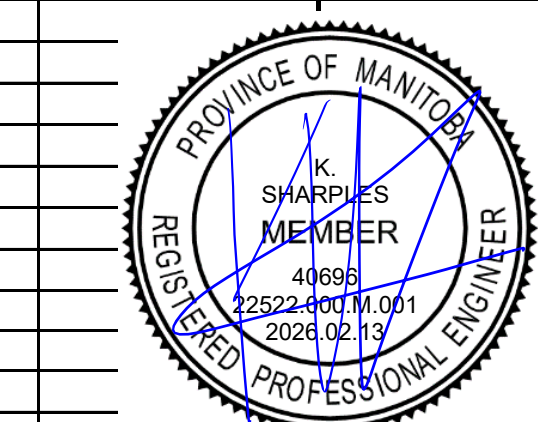


EQUIPMENT NO.			R-P-HTG-01		R-P-HTG-02		R-P-HTG-03		R-P-HTG-04		R-P-HTG-05		R-P-HTG-06		R-P-HTG-07		R-P-HTG-08		R-P-HTG-09	
System			Heating		Heating		Heating		Heating		Heating		Heating		Heating		Heating		Heating	
Location			L02 Mech Room		L02 Mech Room		L02 Mech Room		L02 Mech Room		L02 Mech Room		L02 Mech Room		L02 Mech Room		L02 Mech Room		L02 Mech Room	
Service			Primary Pump		Primary Pump		Primary Pump		Secondary Pump		Secondary Pump		Secondary Pump		Boiler Circulator		Boiler Circulator		Boiler Circulator	
Fluid			50% P. Glycol		50% P. Glycol		50% P. Glycol		50% P. Glycol		50% P. Glycol		50% P. Glycol		50% P. Glycol		50% P. Glycol		50% P. Glycol	
Fluid Flow			USgpm	L/min	168	636	168	636	168	636	263	996	263	996	263	996	116	439	116	439
Total System Flow			USgpm	L/min	224	848	224	848	224	848	789	2,987	789	2,987	789	2,987	--	--	--	--
Head			ft H2O	kPa	15.00	44.76	15.00	44.76	15.00	44.76	50.00	149.20	50.00	149.20	50.00	149.20	10.00	29.84	10.00	29.84
Brake			hp	kW		--		--		--		--		--		--		--		--
Motor			hp	kW	3.00	2.24	3.00	2.24	3.00	2.24	5.00	3.73	5.00	3.73	5.00	3.73	1.50	1.12	1.50	1.12
RPM			1890		1890		1890		2800		2800		2800		2800		1835		1835	
Make			Armstrong		Armstrong		Armstrong		Armstrong		Armstrong		Armstrong		Armstrong		Armstrong		Armstrong	
Model			Series 4380 3x3x5		Series 4380 3x3x5		Series 4380 3x3x5		Series 4380 3x3x5		Series 4380 3x3x5		Series 4380 3x3x5		Series 4380 2.5x2.5x5		Series 4380 2.5x2.5x5		Series 4380 2.5x2.5x5	
Variable Frequency Drives			Yes / No		Yes		Yes		Yes		Yes		Yes		Yes		Yes		Yes	
System Redundancy			%		87.9		87.9		87.9		85.8		85.8		85.8					
Remarks			575/3/60		575/3/60		575/3/60		575/3/60		575/3/60		575/3/60		575/3/60		575/3/60		575/3/60	
					Lead/Lag/Standby				Lead/Lag/Standby											
EQUIPMENT NO.			R-P-CLG-01		R-P-CLG-02		R-P-CLG-03		R-P-CLG-04		R-P-DHWR-01		R-P-SAN-01		R-P-SAN-02		Not Used		Not Used	
System			Cooling		Cooling		Cooling		Cooling		Domestic Water		Sanitary		Sanitary		Intentionally Left		Intentionally Left	
Location			L02 Mech Room		L02 Mech Room		L02 Mech Room		L02 Mech Room		L02 Mech Room		Elevator Sump Pit		Elevator Sump Pit		Blank		Blank	
Service			Primary Pump		Primary Pump		Secondary Pump		Secondary Pump		Recirculation		Elevator		Elevator					
Fluid			50% P. Glycol		50% P. Glycol		50% P. Glycol		50% P. Glycol		Water		Water		Water					
Fluid Flow			USgpm	L/min	301.00	1139.41	301.00	1139.41	213	804	213	804	14	53	50	189	50	189.27		--
Total System Flow			USgpm	L/min	456.00	1726.14	456.00	1726.14	425	1,609	425	1,609	--	--	--	--	--	--	--	--
Head			ft H2O	kPa	20.00	59.68	20.00	59.68	61.00	182.02	61.00	182.02	11.00	32.82	15.00	44.76	15.00	44.76		--
Brake			hp	kW		--		--		--		--		--		--		--		--
Motor			hp	kW	3.00	2.24	3.00	2.24	5.00	3.73	5.00	3.73	0.11	0.08	0.33	0.25	0.33	0.25		--
RPM			1050		1050		2933		2933		2570		1750		1750					
Make			Armstrong		Armstrong		Armstrong		Armstrong		Bell & Gossett		Bell & Gossett		Bell & Gossett					
Model			Series 4380 4x4x8		Series 4380 4x4x8		Series 4380 3x3x5		Series 4380 3x3x5		Ecocirc XL 20-35		2EC0311L		2EC0311L					
Variable Frequency Drives			Yes / No		Yes		Yes		Yes		Yes		ECM		No		No			
System Redundancy			%		85.7		85.7		84.5		84.5		120/1/60		120/1/60		120/1/60			
Remarks			575/3/60		575/3/60		575/3/60		575/3/60		Suitable for potable water		120/1/60		120/1/60					
					Lead/Lag				Lead/Lag				Lead/Lag							





EQUIPMENT NO.			R-P-GW-01		R-P-GW-02		R-P-GW-03		R-P-GW-04							
System			Ground Water		Ground Water		Ground Water		Ground Water							
Location			Ground Water Sump		Ground Water Sump		Ground Water Sump		Ground Water Sump							
			Pit 1		Pit 1		Pit 2		Pit 2							
Service			Ground Water		Ground Water		Ground Water		Ground Water							
Fluid			Water		Water		Water		Water							
Fluid Flow	USgpm	L/min	18	68	18	68	18	68	18	68		--		--		--
Total System Flow	USgpm	L/min	--		--		--		--		--	--	--	--	--	--
Head	ft H2O	kPa	15.00	44.76	15.00	44.76	15.00	44.76	15.00	44.76		--		--		--
Brake	hp	kW		--		--		--		--		--		--		--
Motor	hp	kW	0.33	0.25	0.33	0.25	0.33	0.25	0.33	0.25		--		--		--
RPM			1750		1750		1750		1750							
Make			Bell & Gossett		Bell & Gossett		Bell & Gossett		Bell & Gossett							
Model			2EC0311L		2EC0311L		2EC0311L		2EC0311L							
Variable Frequency Drives	Yes / No		No		No		No		No							
System Redundancy	%															
Remarks			120/1/60		120/1/60		120/1/60		120/1/60							
			Lead/Lag				Lead/Lag									
EQUIPMENT NO.																
System																
Location																
Service																
Fluid																
Fluid Flow	USgpm	L/min		--		--		--		--		--		--		--
Total System Flow	USgpm	L/min	--		--		--		--		--		--		--	
Head	ft H2O	kPa		--		--		--		--		--		--		--
Brake	hp	kW		--		--		--		--		--		--		--
Motor	hp	kW		--		--		--		--		--		--		--
RPM																
Make																
Model																
Variable Frequency Drives	Yes / No															
System Redundancy	%															
Remarks																

PROVINCE OF MANITOBA

REGISTERED

PROFESSIONAL ENGINEER

K. SHARPLES

MEMBER

40696

22522-600.M.001

2026.02.13

