

LAST SAVE: 2025-04-03 8:55:07 AM
 PATH: \\BIM-380\\City of Winnipeg - NEWPCC Upgrades 202\\16086\\262-ACM-P3 0-A_v21.rvt

PUMP SCHEDULE													
TAG	LOCATION	SERVICE	MANUFACTURER	MODEL	FLUID	FLOW, L/S	HEAD, METERS	FLA, AMPS	kW	Power, V,PH,HZ	CASING	IMPELLER	COMMENTS
P - P 5100	MECH.RM. 2-202	DHW CIRCULATOR	ARMSTRONG	290SS	WATER	25 GPM 1.57 L/S	10 FT 3.05m	1.90		115/1/60	STAINLESS STEEL	NORYL IMPELLER	C/W AQUASTAT CONTROL, AND CHECK VALVE
P - P 5101	MECH.RM. 2-202	DHW CIRCULATOR	ARMSTRONG	290SS	WATER	25 GPM 1.57 L/S	10 FT 3.05m	1.90		115/1/60	STAINLESS STEEL	NORYL IMPELLER	C/W AQUASTAT CONTROL, AND CHECK VALVE
P - P 5200	LOADING BAY M-100	GRINDER PUMP	ZOELLER	BAX840	WATER	45 GPM 2.84 L/S	20 FT 6.1m	4.5		575/3/60	CAST IRON	CAST IRON	HARDENED 440 C SS ROCKWELL C55-60
P - P 6610	BASEMENT B-002	PLANT HWS DUTY	ARMSTRONG	4380-1.5x1.5x5	WATER	65 GPM 4.1 L/S	98 FT 30m		3.75	575/3/60	CAST IRON E-COATED	BRONZE	C/W SUCTION GUIDE & FLOW TREX VALVE. SENSORLESS FLOW CONTROL
P - P 6620	BASEMENT B-002	PLANT HWS STND.BY	ARMSTRONG	4380-1.5x1.5x5	WATER	65 GPM 4.1 L/S	98 FT 30m		3.75	575/3/60	CAST IRON E-COATED	BRONZE	C/W SUCTION GUIDE & FLOW TREX VALVE. SENSORLESS FLOW CONTROL
P - P 6630	BASEMENT B-002	BLDG. GS DUTY	ARMSTRONG	4380-1.5x1.5x5	GLYCOL	70 GPM 4.4 L/S	98 FT 30m		3.75	575/3/60	CAST IRON E-COATED	BRONZE	C/W SUCTION GUIDE & FLOW TREX VALVE. SENSORLESS FLOW CONTROL
P - P 6640	BASEMENT B-002	BLDG GS STND.BY	ARMSTRONG	4380-1.5x1.5x5	GLYCOL	70 GPM 4.4 L/S	98 FT 30m		3.75	575/3/60	CAST IRON E-COATED	BRONZE	C/W SUCTION GUIDE & FLOW TREX VALVE. SENSORLESS FLOW CONTROL

EMERGENCY EYE WASH/SHOWER SCHEDULE						
TAG	LOCATION	MANUFACTURER	EYE WASH CAP	SHOWER CAP	MODEL	COMMENTS/ACCESSORIES
U-P 5110	LOADING BAY	HAWS	3.7USGPM (14LPM)	-	7360B-7460B	c/w FLOW SWITCH, AUDIBLE; VISUAL ALARMS; SIGNAGE & SS LID COVER
U-P 5120	POLYMER RM.	HAWS	3.7USGPM (14LPM)	20USGPM (75LPM)	8300-8309	c/w FLOW SWITCH, AUDIBLE & VISUAL ALARMS & SIGNAGE

HEAT EXCHANGER SCHEDULE													
TAG	SERVICE	MANUFACTURER	MODEL	CAPACITY (kW)	HOT SIDE				COLD SIDE				COMMENTS
					EWT (°C)	LWT (°C)	FLOW (L/S)	FLUID	EGT (°C)	LGT (°C)	FLOW (L/S)	FLUID	
HE-P 6601	HYDRONIC SYSTEM	B&G	P20	190	82	71	4.1	WATER	68	79	4.4	50% PG	GASKETED PLATE, INSULATING BLANKET
HE-P 6602	HYDRONIC SYSTEM	B&G	P20	190	82	71	4.1	WATER	68	79	4.4	50% PG	GASKETED PLATE, INSULATING BLANKET

GLYCOL FILL STATION SCHEDULE						
TAG	LOCATION	MANUFACTURER	MODEL	TANK VOL L (USG)	ELECTRICAL SUPPLY (V/Ph/hz)	COMMENTS
FDR - P 6691	MECH. RM. B - 002	AXIOM	SF-100	208 / 55	120/1/60	HYDRONIC SYSTEM

AIR SEPARATOR SCHEDULE						
TAG	LOCATION	MANUFACTURER	MODEL	CONNECTION SIZE (mm)	STANDARD FLOW LPS (GPM)	COMMENTS
U - P 6692	MECH. RM. B - 002	ARMSTRONG	DAS-3	80	9.1 (144)	HYDRONIC SYSTEM

UNIT HEATER SCHEDULE												
TAG	SERVICE	MANUFACTURER	MODEL	CAPACITY (KW)	AIRFLOW (L/S)	HEAT SOURCE	FLUID FLOW (L/S)	VOLTS/HZ/PH	POWER (KW)	STANDBY POWER	COMMENTS	
UH-P 6650	BASEMENT B-002 CORRIDOR	RITTLING	RH-18	1.20	146	GLYCOL	0.0334	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
UH-P 6651	FAN ROOM B-003	RITTLING	RH-18	0.52	146	GLYCOL	0.0189	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
UH-P 6652	FAN ROOM B-003	RITTLING	RH-18	0.52	146	GLYCOL	0.0189	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
UH-P 6653	POLYMER ROOM M-103	RITTLING	RH-18	1.52	189	GLYCOL	0.0422	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
UH-P 6654	POLYMER ROOM M-103	RITTLING	RH-18	1.52	189	GLYCOL	0.0422	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
UH-P 6655	LOADING BAY M-100	RITTLING	RH-47	6.21	345	GLYCOL	0.1727	120/60/1	0.086	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT,EXPLOSION PROOF	
UH-P 6656	LOADING BAY M-100	RITTLING	RH-47	6.21	345	GLYCOL	0.1727	120/60/1	0.086	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT,EXPLOSION PROOF	
UH-P 6657	DEWATERING 2-200	RITTLING	RH-18	2.50	189	GLYCOL	0.0695	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
UH-P 6658	DEWATERING 2-200	RITTLING	RH-18	2.50	189	GLYCOL	0.0695	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
UH-P 6659	MECHANICAL RM 2-202	RITTLING	RH-18	2.40	189	GLYCOL	0.0669	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	

MIXING VALVE SCHEDULE				
TAG	LOCATION	MANUFACTURER	MODEL	COMMENTS/ACCESSORIES
U - P 5111	LOADING BAY	HAWS-AXION	9201E	31 USGPM / 117.3 LPM CAPACITY
U - P 5121	POLYMER RM.	HAWS-AXION	9201E	31 USGPM / 117.3 LPM CAPACITY

DOMESTIC WATER HEATER SCHEDULE							
TAG	LOCATION	MANUFACTURER	MODEL	RATED HEATING OUTPUT (KW)	VOLTS	PHASE	COMMENTS/ACCESSORIES
TK - P 5100	MECH. RM. 2 - 202	RHEEM	EGS-120-12-G	4 / 4 / 4	208/240	3	120 USG
TK - P 5101	MECH. RM. 2 - 202	RHEEM	ST-120	-	-	-	120 USG STORAGE TNK

TRAP PRIMER SCHEDULE						
TAG	LOCATION	MANUFACTURER	MODEL	VOLTS	PHASE	COMMENTS/ACCESSORIES
U - P5130	LOADING BAY. - 100	PRECISION PLUMBING PRODUCTS	PTS	120	1	SURFACE WALL-MOUNTED,REFERRED TO DRAWINGS FOR QUANTITY DRAINS SERVED

EXPANSION TANK SCHEDULE									
TAG	LOCATION	MANUFACTURER	MODEL	TYPE	TANK CAPACITY (L)	PRE-CHARGE (kPa)	DIAMETER (mm)	HEIGHT (mm)	COMMENTS
V - P 5100	MECH. RM. 2 - 202	AMTROL	ST-5C-DD	DIAPHRAGM	3.6	375	203	356	
V - P 6690	BASEMENT B - 002	AMTROL	200-L	BLADDER	200	84	600	950	

FORCE FLOW HEATER SCHEDULE												
TAG	SERVICE	MANUFACTURER	MODEL	CAPACITY (KW)	AIRFLOW (L/S)	HEAT SOURCE	FLUID FLOW (L/S)	VOLTS/HZ/PH	POWER (KW)	STANDBY POWER	COMMENTS	
HTR-P 6670	STAIR B-001	RITTLING	RW-03	3.85	142	GLYCOL	0.1070	120/60/1	0.084	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
HTR-P 6671	STAIR M-101	RITTLING	RW-03	3.85	142	GLYCOL	0.1070	120/60/1	0.012	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
HTR-P 6672	STAIR 2-201	RITTLING	RW-03	3.85	142	GLYCOL	0.1070	120/60/1	0.012	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
HTR-P 6673	STAIR M-104	RITTLING	RW-02	1.61	104	GLYCOL	0.0448	120/60/1	0.012	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	
HTR-P 6674	STAIR 2-203	RITTLING	RW-02	1.61	104	GLYCOL	0.0448	120/60/1	0.012	N	C/W 24 V CONTROL CIRCUIT, WALL MOUNTED THERMOSTAT	

BACKFLOW PREVENTOR SCHEDULE				
TAG	LOCATION	MANUFACTURER	MODEL	COMMENTS/ACCESSORIES
BFP - 5001	BASEMENT RM. B - 002	WATTS	009	C/W AIR GAP 909AGA
BFP - 5002	POLYNER RM. M - 103	WATTS	009	C/W AIR GAP 909AGA

GENERAL NOTES

- EQUIPMENT THAT DOES NOT COME WITH FACTORY DISCONNECT / ISOLATION SWITCHES, SHALL BE COVERED AND PROVIDED BY DIVISION 26. COORDINATE AS REQUIRED.

REFERENCE DRAWINGS		
DWG NO.	CITY DWG NO.	REFERENCE DRAWING TITLE
A0-M701	1-0101-MDTL-A001 001	DETAILS AND SCHEMATICS
A0-M702	1-0101-MDTL-A001 002	DETAILS AND SCHEMATICS
A0-M703	1-0101-MDTL-A001 003	DETAILS AND SCHEMATICS
A0-M704	1-0101-MDTL-A001 003	DETAILS AND SCHEMATICS
P3-M101	1-0101-MGAD-P602 001	LOWER LEVEL PLUMBING & HVAC FLOOR PLAN
P3-M102	1-0101-MGAD-P603 001	MAIN LEVEL PLUMBING & HVAC FLOOR PLAN
P3-M103	1-0101-MGAD-P604 001	SECOND LEVEL PLUMBING & HVAC FLOOR PLAN
P3-M104	1-0101-MGAD-P605 001	LOWER LEVEL VENTILATION PLAN
P3-M105	1-0101-MGAD-P606 001	MAIN LEVEL VENTILATION PLAN
P3-M106	1-0101-MGAD-P607 001	SECOND LEVEL VENTILATION PLAN
P3-M107	1-0101-MGAD-P608 001	ROOF HVAC PLAN
P3-M301	1-0101-MGAD-P609 001	SECTIONS
P3-M302	1-0101-MGAD-P609 002	SECTIONS
P3-M401	1-0101-MSCH-P601 001	PLUMBING SCHEDULES
P3-M402	1-0101-MSCH-P601 001	HVAC SCHEDULES

				AECOM DESIGNED BY: BW / DJP CHECKED BY: BP DRAWN BY: DJP APPROVED BY: NW SCALE: 1 : 1 RELEASED FOR CONSTRUCTION BY: DATE: 2020-12-09 DATE: ENGINEER'S SEAL PROVINCE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER DAVID PETERSON 2025-04-03				Winnipeg THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT NORTH END SEWAGE TREATMENT PLANT PRIMARY CLARIFICATION PROJECT MECHANICAL PLUMBING SCHEDULES											
01 ISSUED FOR ADDENDUM 11								2025-04-04				BP				ALS			
00 ISSUED FOR TENDER								2025-01-31				BW				BP			
NO. REVISIONS								DATE				DESIGN				CHECK			
CONSULTANT NO.:								P3-M401											
CITY DRAWING NUMBER								SHEET				REV.		SIZE					
1-0101-MSCH-P601								001				01		A1					