

AHU SCHEDULE

TAG	LOCATION	SERVICE	AIRFLOW (L/S)	ESP (Pa)	SUPPLY MOTORS		V/Ph	HEATING CAPACITY (kW)	WEIGHT (KG)	DESCRIPTION	NOTES
					(QTY)	(HP)					
AHU–C601	ROOF	TONNER STORAGE	2124	145	1	5	575/3	119	374.5	EMERGENCY UNIT. ELECTRIC HEATED MAKE UP AIR UNIT W/ 20” MIXED FLOW DIRECT DRIVE FAN AND A 3 STAGE TOTAL, (1) MODULATING 119kW 575 – 3 COIL	C/W (1) FANS AND 2” MV EZ KLEEN MESH FILTER AND MERV8 DISPOSABLE V–BANK FILTER OR APPROVED EQUAL.
AHU–C602	ROOF	TONNER STORAGE	425	25	1	1	575/3	35	215.5	ELECTRIC HEATED MAKE UP AIR UNIT W/ 15” MIXED FLOW DIRECT DRIVE FAN AND A 1 STAGE MODULATING, (1) 35kW 575 – 3 COIL	C/W (1) FANS AND 2” MV EZ KLEEN MESH FILTER AND MERV8 DISPOSABLE V–BANK FILTER OR APPROVED EQUAL.

FAN SCHEDULE

TAG	SERVICE	AIR FLOW (L/S)	ESP (Pa)	MOTOR (HP)	V/Ph	DESCRIPTION
SF–C630	CHLORINATION ROOM	153	124.4	.1	115/1	INLINE C/W FLEXIBLE CONNECTIONS, VIBRATION ISOLATION AND A MERV8 FILTER BOX
EF–C640	TONNER STORAGE	446	124.4	.25	115/1	NORMAL OPERATION. FRP DOWN BLAST FAN
EF–C641	TONNER STORAGE	163	124.4	.12	115/1	UN–OCCUPIED OPERATION. CENTRIFUGAL FRP FAN. ARRANGMENT 10 BELT DRIVE C/W UB DISCHARGE POSITION AND WEATHER HOOD. 125x140x800 LONG HOODED EXHAUST STACK.
EF–C642	CHLORINATION ROOM	163	124.4	.25	115/1	FRP DOWN BLAST FAN

SCRUBBER SCHEDULE

TAG	AIR FLOW (L/S)	ESP (kPa)	FAN (RPM)	MOTOR (HP)	Volt/Ph	DESCRIPTION
SCBR–C670	2360	0.273		40	575/3	96” FRP TANK C/W (2) ø24” MANWAYS. ø24” INLET. 70” FRP EXHAUST STACK

SAFETY SHOWER/EYEWASH WATER HEATER SCHEDULE

TAG	SERVICE	CONN. (mm) (IN/OUT)	CAPACITY (kW)	V/Ph	DESCRIPTION
U–C534	U–C530 & EXISTING	32/32	102	575/3	0.16 l/s MIN. FLOW WITH 27°C TEMPERATURE RISE.

DIFFUSER, GRILLE AND LOUVRE SCHEDULE

TAG	SIZE	DESCRIPTION
S1	400x350	STEEL LOUVERED SUPPLY GRILLE, SINGLE DEFLECTION 19MM BLADE SPACING
S2	600x600	SQUARE PLAQUE DIFFUSER W/ 200mm NECK
L1	300x400	EXTRUDED ALUMINIUM – FIXED BLADES. 39 DEGREE Z–BLADES
E1	300x300	STEEL LOUVERED EXHAUST GRILLE, SINGLE DEFLECTION 19MM BLADE SPACING
E2	600x600	LOUVRED RETURN GRILLE (FRP)

ELECTRIC HEATING COIL SCHEDULE

TAG	SERVICE	CAPICITY (kW)	V/Ph	DESCRIPTION
HCE–C620	CHLORINATION ROOM	9.00	575/3	IN–LINE DUCT HEATER C/W THERMOSTAT

ELECTRIC HEATER SCHEDULE

TAG	SERVICE	CAPICITY (kW)	V/Ph	DESCRIPTION
HTR–C663	VESTIBULE	2.00	208/1	SURFACE MOUNTED UNIT C/W BUILT IN THERMOSTAT

DRAWING NUMBER	REFERENCE DRAWINGS



ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
AtkinsRéalis Canada Inc.
No. 4489

				 148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7204-786-8080		ENGINEER'S SEAL		 THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT					
DESIGNED BY: T. SHAW		CHECKED BY: S. NORSWORTHY											
DRAWN BY: M. CAUDINO		APPROVED BY: S. NORSWORTHY		SCALE: AS NOTED		ISSUED FOR CONSTRUCTION BY: M. SKINNER		MCPHILLIPS PUMPING STATION CHLORINE SYSTEM UPGRADE MECHANICAL NEW WORK SCHEDULES					
DATE: 2023–03–06		DATE: 2025/04/30		CONSULTANT NO.: 694715–3000–45DD–1005									
00	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30	TS	SN				CITY DRAWING NUMBER 1–0640C–M0006			SHEET 0001	REV. 00	SIZE A1
NO.	REVISIONS	DATE	DESIGN	CHECK									