

A1 SIZE – 594mm x 841mm

LAST SAVE: 2025/10/28 – 2:46pm
PATH: M:\694715\ENG\45MEC\DD – General DWG\MacCLEAN\1–0630M–M00XX–001–PD.dwg

DIFFUSER, GRILLE AND LOUVRE SCHEDULE		
TAG	SIZE	DESCRIPTION
S1	400x150	STEEL LOUVERED SUPPLY GRILLE, SINGLE DEFLECTION 19MM BLADE SPACING
S2	400x250	STEEL LOUVERED SUPPLY GRILLE, SINGLE DEFLECTION 19MM BLADE SPACING
E1	350x300	STEEL LOUVERED EXHAUST GRILLE, SINGLE DEFLECTION 19MM BLADE SPACING
E2	500x800	LOUVRED RETURN GRILLE (FRP)

ELECTRIC HEATER SCHEDULE				
TAG	SERVICE	CAPICITY (kW)	V/Ph	DESCRIPTION
HTR–C663	WEST VESTIBULE	4.00	208/1	SURFACE MOUNTED UNIT C/W BUILT IN THERMOSTAT
HTR–C664	SOUTH VESTIBULE	1.50	120/1	SURFACE MOUNTED UNIT C/W BUILT IN THERMOSTAT
HTR–C665	SOUTH VESTIBULE	1.50	120/1	SURFACE MOUNTED UNIT C/W BUILT IN THERMOSTAT

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	MEZZANINE	TONNER STORAGE	1779/1888	28	1	2	575/3	119	371	ELECTRIC HEATED MAKE UP AIR UNIT W/ 20” MIXED FLOW VFD FAN AND A 3 STAGE TOTAL, 1 MODULATING 119kW 575V – 3 COIL	C/W (1) FAN AND 2” MERV8 DISPOSABLE V–BANK FILTER OR APPROVED EQUAL. UNIT INLET END AND DISCHARGE TOP.

SCRUBBER SCHEDULE						
TAG	AIR FLOW (L/S)	ESP (kPa)	FAN (RPM)	MOTOR (HP)	VoIt/Ph	DESCRIPTION
SCBR–C670	2360	0.520		40	575/3	96” FRP TANK C/W (2) ø24” MANWAYS. ø24” INLET. 70” FRP EXHAUST STACK

FAN SCHEDULE						
TAG	SERVICE	AIR FLOW (L/S)	ESP (Pa)	MOTOR (HP)	V/Ph	DESCRIPTION
SF–C630	CHLORINATION ROOM	295	124.4	.1	115/1	INLINE C/W FLEXIBLE CONNECTIONS, VIBRATION ISOLATION AND FILTER BOX
EF–C640	TONNER STORAGE	1869	124.4	1.5	575/3	
EF–C641	TONNER STORAGE	312	124.4	.25	208/3	UN–OCCUPIED EXHAUST FAN REQUIRES VFD FOR BALANCING.
EF–C642	CHLORINATION ROOM	312	124.4	.25	115/1	

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	600/3	0.16 l/s MIN. FLOW WITH 27°C TEMPERATURE RISE.
U–C535	U–C531	32/32	102	600/3	0.16 l/s MIN. FLOW WITH 27°C TEMPERATURE RISE.

ELECTRIC HEATING COIL SCHEDULE				
TAG	SERVICE	CAPICITY (kW)	V/Ph	DESCRIPTION
HCE–C620	CHLORINATION ROOM	20	575/3	IN–LINE DUCT HEATER

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		MACLEAN PUMPING STATION CHLORINE SYSTEM UPGRADE MECHANICAL NEW WORK SCHEDULES	
				DRAWN BY: M. CAUDINO		APPROVED BY: S. NORSWORTHY			
				SCALE: AS NOTED		ISSUED FOR CONSTRUCTION BY: M. SKINNER			
				DATE: 2023–03–06		DATE: 2025/04/30			
				CONSULTANT NO.: 694715–2000–450D–1006					
NO. REVISIONS				DATE		DESIGN CHECK			

CITY DRAWING NUMBER 1–0630M–M0034				SHEET 001	REV. 02	SIZE A1
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