ASHRAE 62.1-2013 OUTDOOR AIR COMPLIANCE SCHEDULE

UNIT DESIGNATION	SPACE NAME	SPACE DESIGNATION	PEOPLE OUTSIDE AIR RATE (L/S/OCCUPANT)	NUMBER OF OCCUPANTS	ZONE AIR DISTRIBUTION EFFECTIVENESS FACTOR	OCCUPANT OUTSIDE AIR VOLUME (L/S)	OCCUPANT OUTSIDE AIR VOLUME W/ EFFECTIVENESS (L/S)	AREA OF SPACE (M^2)	AREA OUTSIDE AIR RATE ($L/S/M^2$)	OCCUPIED MINIMUM AREA OUTSIDE AIR VOLUME (L/S)	*OCCUPIED MINIMUM AREA OUTSIDE AIR VOLUME W/ EFFECTIVENESS (L/S)	**COMBINED OUTSIDE AIR VOLUME W/ EFFECTIVENESS (L/S)
AHU-1 & EXISTING HRV (HRV-1)	1:14 POOL DECK	SWIMMING (POOL & DECK)	0 L/S / OCCUPANT	402	0.7	0	0	1195	2.40 L/S / M^2	2868	4097	4097
TOTALS												4097
AHU-2	B:01 STAFF ROOM	BREAKROOMS	2.5 L/S / OCCUPANT	6	0.8	15	18.75	90.5	0.3 L/S / M^2	27.15	33.9	52.65
	B:01 STAFF CHANGE ROOMS	BREAKROOMS	2.5 L/S / OCCUPANT	2	0.8	5	6.2	18.9	0.3 L/S / M^2	5.67	7	13.2
	B:02.1 OFFICE	OFFICE	2.5 L/S / OCCUPANT	1	0.8	2.5	3.1	14.6	0.3 L/S / M^2	4.38	5.4	8.5
	B:03 WORK ROOM	OFFICE	2.5 L/S / OCCUPANT	3	0.8	7.5	9.3	28.3	0.3 L/S / M^2	8.49	10.6	19.9
	B:04 HALL	CORRIDOR	0 L/S / OCCUPANT	0	0.8	0	0	25.6	0.3 L/S / M^2	7.68	9.6	9.6
	B:07 HALL	CORRIDOR	0 L/S / OCCUPANT	0	0.8	0	0	4.5	0.3 L/S / M^2	1.35	1.6	1.6
	1:02A LOBBY	LOBBY	2.5 L/S / OCCUPANT	10	0.8	25	31.2	73.7	0.3 L/S / M^2	22.11	27.6	58.8
	1:10 FIRST AID	OFFICE	2.5 L/S / OCCUPANT	2	0.8	5	6.25	9	0.3 L/S / M^2	2.7	3.3	9.55
	1:06 FAMILY CHANGE ROOM	MULTIPURPOSE	2.5 L/S / OCCUPANT	47	0.8	117.5	146.8	130	0.3 L/S / M^2	39	48.75	195.55
	1:12 MALE CHANGE ROOM	MULTIPURPOSE	2.5 L/S / OCCUPANT	16	0.8	40	50	49.1	0.3 L/S / M^2	14.73	18.4	68.4
	1:13 FEMALE CHANGE ROOM	MULTIPURPOSE	2.5 L/S / OCCUPANT	25	0.8	62.5	78.1	66.5	0.3 L/S / M^2	19.95	24.9	103
TOTALS												540.7
HRV-2	1:15 MPR	MULTIPURPOSE	2.5 L/S / OCCUPANT	20	0.8	50	62.5	41.4	0.3 L/S / M^2	12.4	15.5	78
TOTALS												186.7
EXISTING RTU	1:02B RECEPTION	RECEPTION DESK	2.5 L/S / OCCUPANT	1	0.8	2.5	3.1	11	0.3 L/S / M^2	3.3	4.1	7.2
	1:08B COPY AREA	OFFICE	2.5 L/S / OCCUPANT	1	0.8	2.5	3.1	11.5	0.3 L/S / M^2	3.45	4.3	7.4
	1:08A OPEN OFFICE	OFFICE	2.5 L/S / OCCUPANT	2	0.8	5	6.25	14	0.3 L/S / M^2	4.2	5.25	11.5
	1:09 PRIVATE OFFICE	OFFICE	2.5 L/S / OCCUPANT	1	0.8	2.5	3.1	10.75	0.3 L/S / M^2	3.22	4	7.1
TOTALS												33.2

NOTES: CALCULATIONS BASED ON ASHRAE STANDARD 62.1-2013, VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY.
**INFORMATION PROVIDED FOR REFERENCE ONLY.

GRILLE, DIFFUSER & LOUVER SCHEDULE

TYPE	SERVICE	MAKE	MODEL	BORDER	CORE	BLADE	FRAME	FASTEN	FINISH	REMARKS
A	SUPPLY AIR	PRICE	SCD	--	--	--	--	--	--	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. COLORS AND FINISHES BY ARCHITECTURAL.
B	SUPPLY AIR	PRICE	500	--	--	--	--	--	--	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. COLORS AND FINISHES BY ARCHITECTURAL.
C	RETURN AIR	PRICE	80	--	--	--	--	--	--	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. COLORS AND FINISHES BY ARCHITECTURAL.
D	EXHAUST AIR	PRICE	80	--	--	--	--	--	--	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. COLORS AND FINISHES BY ARCHITECTURAL.
E	EXHAUST AIR	PRICE	600	--	--	--	--	--	--	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. COLORS AND FINISHES BY ARCHITECTURAL.
F	RETURN AIR	PRICE	600	--	--	--	--	--	--	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. COLORS AND FINISHES BY ARCHITECTURAL.
G	RETURN AIR	PRICE	530	--	--	--	--	--	--	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. COLORS AND FINISHES BY ARCHITECTURAL.
H	LOUVRE	PRICE	DE439	--	--	--	--	--	--	REFER TO MECHANICAL DRAWINGS FOR SIZES AND LOCATIONS. COLORS AND FINISHES BY ARCHITECTURAL.

ENGINEERS
GEOSCIENTISTS
MANITOBA
Certificate of Authorization
MCW Consultants Ltd.
No. 7183

THIS IS A PRINT OF A DOCUMENT THAT HAS BEEN ELECTRONICALLY AUTHENTICATED WITH TECHNOLOGY AUTHORIZED BY THE EGM. THE ORIGINAL IS IN ELECTRONIC FORM.

MCW
MCW Consultants Ltd.
210-1821 Wellington Avenue
Winnipeg, Manitoba, R3H 0G4
Phone - (204) 775-7900
mcw_wpg@mcw.com
www.mcw.com

13600

No.	Date	Issue / Revision	By
0	22/12/2023	ISSUED FOR CONSTRUCTION	DG/JVL

Drawn By: EJ
Printing Date: 22/12/2023

PROVINCE OF MANITOBA 2023-12-21 K. E. ISAAK REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL ONLY

PROVINCE OF MANITOBA J.E. VAN LEEUWEN Member 38282 REGISTERED PROFESSIONAL ENGINEER 2023-12-21
MECHANICAL ONLY

Drawings and specifications, as instruments of service are the property of the architects, the copyright in the same being reserved to them. No reproduction may be made without the permission of the architects, and when made, must bear their names. All prints to be returned.

The contractor is to verify dimensions and data noted herein with conditions on the site and is held responsible for reporting any discrepancy to the architects for adjustment.

LM Architectural Group
500-136 Market Ave
Winnipeg Manitoba Canada R3B 0P4
t: (204) 942.0691 f: (204) 943.8676
www.lm-architects.com

CITY OF WINNIPEG
BONIVITAL POOL RENEWAL

1215 Archibald St, Winnipeg, MB.

MECHANICAL AND ELECTRICAL SCHEDULES

Comm. No.: 2129 Sheet: **ME1.4**