

DESICCANT DEHUMIDIFICATION UNIT SCHEDULE																																	
MARK	MAKE	MODEL	REACTIVATION AIR PERFORMANCE						PROCESS AIR PERFORMANCE						PROCESS AIR PERFORMANCE					MAXIMUM DIMENSIONS				MAXIMUM WEIGHT		ELECTRICAL							
			EAT DB (F)	EAT WB (F)	LAT DB (F)	LAT WB (F)	INLET AIRFLOW		OUTLET AIRFLOW		PRESSURE DROP		HEAT INPUT		PROCESS LAT DB		PROCESS LAT WB (F)	WATER ABSORPTION (lbs/hr)	PROCESS HEAT GAIN	PROCESS FAN E.S.P.		FILTERS	HEIGHT	LENGTH	WIDTH	(lbs)	(kg)	VOLTAGE	PHASE	NOTES			
DDH	1	NOVELAIRE	DH-1000	79	73	127	91	400	189	400 CFM	189 L/s	0.7	169	15 kW	1000	472	50	32	87	53	13.6	46000 Btu/h	1.0 in-wg	249 Pa	STD	3'-7"	6'-10"	4'-2"	1200	544	208 V	3	1, 2

- UNIT SHALL BE CONTROLLED AND MONITORED VIA DDC SYSTEM. PROVIDE BACnet INTERFACE WITH EQUIPMENT FOR CONNECTION TO BUILDING DDC SYSTEM.
- UNIT SHALL BE SUITABLE FOR OUTDOOR INSTALLATION.

FAN SCHEDULE																		
MARK	MAKE	MODEL	LOCATION	ZONE SERVED	AIRFLOW		FAN ESP		FAN POWER		MAXIMUM WEIGHT		MAXIMUM DIMENSIONS		ELECTRICAL		NOTES	
					(cfm)	(L/s)	(in-wg)	(Pa)	(HP)	(kW)	KS	lbs	WIDTH	HEIGHT	VOLTAGE	PHASE		
EF	1	Greenheck	CUE-090-VG	EXTERIOR	CRAWLSPACE	500	236	0.59	124	0.09	0.07	14	31	1'-7"	1'-7"	208 V	1	1, 2, 6
F	1	Greenheck	GJX-31	CRAWLSPACE	CRAWLSPACE	2247	1060	0.23	57	0.75	0.56	57	126	1'-5"	1'-5"	208 V	3	3, 4, 5, 6
F	2	Greenheck	GJX-31	CRAWLSPACE	CRAWLSPACE	2247	1060	0.23	57	0.75	0.56	57	126	1'-5"	1'-5"	208 V	3	3, 4, 5, 6

- PROVIDE VARI-GREEN EC MOTOR COMPLETE WITH MOTOR MOUNTED SPEED CONTROL FOR BALANCING
- FAN SHALL BE SIDEWALL MOUNTED ON EXTERIOR WALL.
- FAN SHALL BE SUPPLIED WITH PERMATECTOR COATING
- PROVIDE OPTIONAL INLET AND OUTLET SILENCERS
- PROVIDE GALVANIZED GUARDS FOR INLET AND OUTLET
- CONTROLLED BY DDC

CONDENSING UNIT SCHEDULE																						
MARK	MAKE	MODEL	ZONE SERVED	COOLING CAPACITY				COMPRESSOR				ELECTRICAL		DIMENSIONS			DESIGN WEIGHT		NOTES			
				(Btu/h)	(kW)	(tons)	EER	SEER	TYPE	QTY	STAGES	REFRIGERANT TYPE	VOLTAGE	PHASE	CONTROLS	HEIGHT	LENGTH	WIDTH		(lbs)	(kg)	
CU	1	Carrier	24AAA	CRAWLSPACE	30000	9	2.5	12.2	14					208 V	1	DDC	2'-8"	2'-7"	2'-7"	151	68	1, 2

- CONDENSING UNIT SHALL BE CONTROLLED BY DDC.
- UNIT SHALL BE SELECTED IN CONJUNCTION WITH COIL EDX-1.

EQUIPMENT MOUNTED DIRECT EXPANSION COIL SCHEDULE																					
MARK	EQUIPMENT SERVED	COIL CAPACITY				EDB		EWB		LDB		LWB		MAXIMUM AIR FLOW PRESSURE DROP (in-wg)	SUPPLY AIRFLOW		REFRIGERANT	MAXIMUM AIRFLOW VELOCITY	NOTES		
		(Btu/h)	(kW)	(tons)	(Btu/h)	(kW)	(°F)	(°C)	(°F)	(°C)	(°F)	(°C)	(°F)		(°C)	(cfm)				(L/s)	
EDX	1	CU-1	27630	8.1	2.3	21740	6	80	27	67	19	60	15	59	15	0.50 in-wg	1000	472	R-410a	350 FPM	1

- COIL SHALL BE SELECTED IN CONJUNCTION WITH CONDENSING UNIT CU-1.

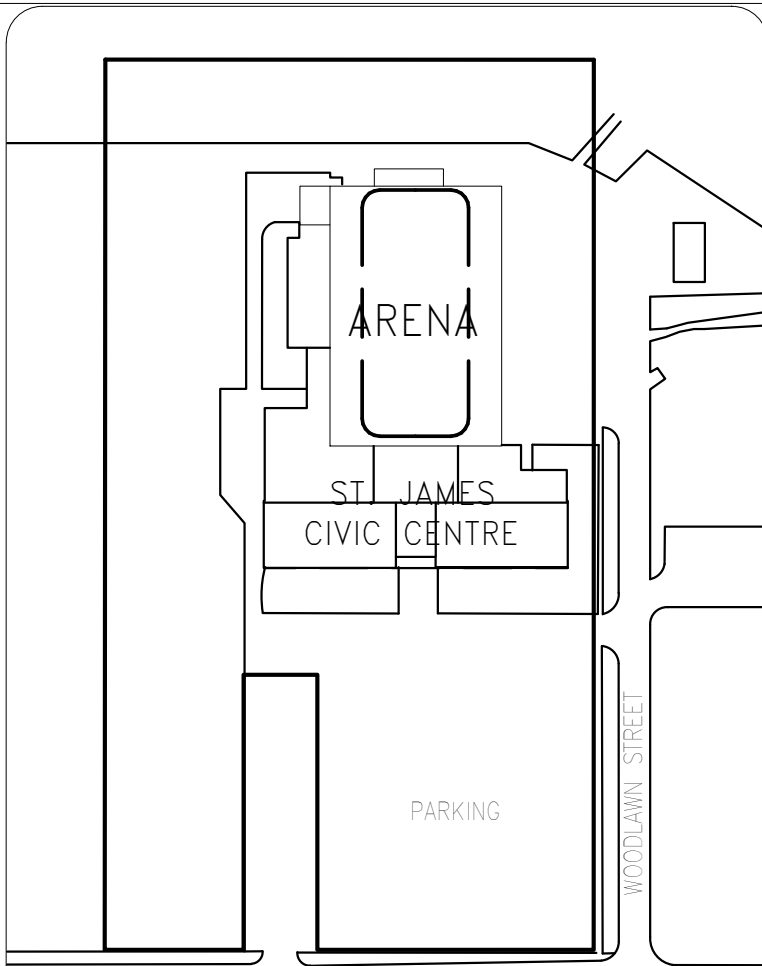
PUMP SCHEDULE											
MARK	MAKE	MODEL	PUMP TYPE	OUTLET DIAMETER	FLOW	HEAD	MOTOR	ELECTRICAL		NOTES	
								VOLTAGE	PHASE		
P	1	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	2	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	3	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	4	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	5	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	6	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	7	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	8	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	9	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2
P	10	Liberty	280 Series	Submersible	1 1/2"	25 GPM	27 FT	0.50 hp	115 V	1	1, 2

- PROVIDE DUPLEX CONTROLLER FOR EACH PUMP PAIR TO BE LOCATED AT EACH RESPECTIVE SUMP PIT.
- PUMP SHALL BE CAPABLE OF HANDLING 3/4" SOLIDS.

CONTROL DAMPERS SCHEDULE							
MARK	WIDTH		HEIGHT		THERMAL	ACTUATOR TYPE	CONTROLLED BY
	(in.)	(mm)	(in.)	(mm)			
M	AA	16	406	16	406	YES	DDC
M	BB	16	406	16	406	YES	DDC
M	CC	16	406	16	406	YES	DDC
M	DD	10	254	10	254	YES	DDC

DIFFUSER & GRILLES SCHEDULE			
MARK	MODEL	BUILT-IN DAMPER	NOTES
R	1	16X16 Price 98 series	1

- COORDINATE COLOUR WITH ARCHITECTURAL.



The General Contractor shall check & verify all dimensions and report any errors or omissions to the designers.

1	2020-11-19	ISSUED FOR ADDENDUM 1ME
0	2020-10-30	ISSUED FOR CONSTRUCTION

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Project
SJCC RINK CRAWLSPACE
ARENA CRAWLSPACE RESTORATION
2055 NESS AVENUE
WINNIPEG, MANITOBA

Sheet Title
MECHANICAL SCHEDULE

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