DESICCANT DEHUMIDIFCATION UNIT SCHEDULE

MARK				REACTIVATION AIR PERFORMANCE									PROCESS AIR PERFORMANCE										MAXIMUM DIMENSIONS			MAXIMUM WEIGHT		ELECTRICAL		
								INLET AIRFLOW		OUTLET AIRFLOW		PRESSURE DROP																		
		MAKE	MODEL	EAT DB (F)	EAT WB (F)	LAT DB (F)	LAT WB (F)	(cfm)	(L/s)	(cfm)	(L/s)	(" w.c.)	(Pa)	HEAT INPUT	PROCESS AIR AIRFLOW (cfm)	PROCESS AIR AIRFLOW (L/s)	EAT DB DB (F)	EAT WB (F)	PROCESS LAT DB (F)	PROCESS LAT WB (F)	WATER ABSROPTION (lbs/hr)	PROCESS HEAT GAIN	PROCESS FAN E.S.P. ("w.c.)	PROCESS FAN E.S.P. (Pa)	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

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

FAN SCHEDULE

MARK		MAKE	MODEL	LOCATION ROOM NAME	ZONE SERVED	AIRFLOW		FAN ESP		FAN POWER		MAXIMUM WEIGHT		MAXIMUM DIMENSIONS		ELECTRICAL		NOTES
						(cfm)	(L/s)	(in-wg)	(Pa)	(HP)	(kW)	KG	LBS	WIDTH	HEIGHT	VOLTAGE	PHASE	
EF	1	Greenheck	CUE-090-VG	EXTERIOR	CRAWLSPACE	500	236	0.50	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

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

CONDENSING UNIT SCHEDULE

MARK		MAKE	MODEL	ZONE SERVED	COOLING CAPACITY (Btu/h)	(kW)	(tons)	EER	SEER	COMPRESSOR TYPE	QTY	STAGES	REFRIGERANT TYPE	ELECTRICAL VOLTAGE	PHASE	CONTROLS	DIMENSIONS HEIGHT	LENGTH	WIDTH	DESIGN WEIGHT (lbs)	(kg)	NOTES
CU	1	Carrier	24AAA	CRAWLSPACE	30000	9	2.5	12.2	14		1	1	R-410a	208 V	1	DDC	2' - 8"	2' - 7"	2' - 7"	151	68	1, 2

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

EQUIPMENT MOUNTED DIRECT EXPANSION COIL SCHEDULE

MARK		EQUIPMENT SERVED	COIL CAPACITY TOTAL (Btu/h)	(kW)	(tons)	SENSIBLE (Btu/h)	(kW)	EDB (°F)	(°C)	EWB (°F)	(°C)	LDB (°F)	(°C)	LWB (°F)	(°C)	MAXIMUM AIR FLOW PRESSURE DROP	SUPPLY AIRFLOW (cfm)	(L/s)	REFRIGERANT	MAXIMUM AIRFLOW VELOCITY	NOTES
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

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

PUMP SCHEDULE

MARK		MAKE	MODEL	PUMP TYPE	INLET DIAMETER	OUTLET DIAMETER	FLOW	HEAD	MOTOR	ELECTRICAL VOLTAGE	PHASE	DESIGN WEIGHT (lbs)	(Kg)	NOTES
P	1	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	2	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	3	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	4	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	5	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	6	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	7	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	8	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	9	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1
P	10	Little Giant	BE-S50	Effluent Centrifugal Pump, Self-Priming	0"	1 1/4"	8 GPM	45 FT	0.50 hp	115 V	1	42	19	1

1. PROVIDE DUPLEX CONTROLLER FOR EACH PUMP PAIR TO BE LOCATED AT EACH RESPECTIVE SUMP PIT.

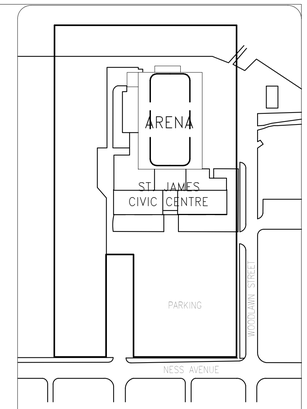
CONTROL DAMPERS SCHEDULE

MARK		WIDTH (in.)	WIDTH (mm)	HEIGHT (in.)	HEIGHT (mm)	THERMAL	ACTUATOR TYPE	CONTROLLED BY
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

1. COORDINATE COLOUR WITH ARCHITECTURAL..



KEY PLAN
NTS

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

0	2020-10-30	ISSUED FOR CONSTRUCTION

APEGM
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035

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ARENA CRAWLSPACE RESTORATION
2055 NESS AVENUE
WINNIPEG, MANITOBA

Sheet Title
MECHANICAL SCHEDULE

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20057	2020-09-17
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