VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE-VOCATIONAL WING

MARK		ZONE SERVED	MAKE	MODEL	HANDEDNESS	INLET DIA.	ATTENUATOR	DESIGN AIR VOLUME		MINIMUM AIR VOLUME	
							900MM (3FT)	(cfm)	(L/s)	(cfm)	(L/s)
VAV	158	CULINARY ARTS 1:106	Price	SDV5000	Left	14	Yes	1728	816	432	204
VAV	159	BAKING CLASSROOM 1:106G	Price	SDV5000	Left	8	Yes	552	261	141	67
VAV	160	CORRIDOR 1:106L	Price	SDV5000	Left	5	Yes	200	94	51	24
VAV	161	DISH WASHING AREA 1:106F	Price	SDV5000	Right	7	Yes	400	189	100	47
VAV	162	OFFICE 1:106E	Price	SDV5000	Left	4	Yes	100	47	25	12
VAV	163	CULINARY ARTS 1:106	Price	SDV5000	Left	14	Yes	1728	816	432	204
VAV	164	CULINARY ARTS 1:106	Price	SDV5000	Left	14	Yes	1728	816	432	204

UNIT HEATER (HYDRONIC) SCHEDULE-VOCATIONAL WING

MARK		MAKE	MODEL	AIRFLOW		MOTOR HP	LOCATION	HEAT INPUT		FLOW		HEAD		FLUID TEMPERATURE		MAXIMUM WEIGHT		ELECTRICAL		NOTES
				(cfm)	(L/s)			(Btu/h)	(kW)	(gpm)	(L/s)	(ft H2O)	(psi)	IN	OUT	(lbs)	(Kg)	VOLTAGE	PHASE	
UH	2	Rittling	RH-47	450	212	0.066 hp	MECH. MEZZ.1M:02	21400	6	2.1	0.1	0.83	2.5	160 °F	140 °F	50.00	22.68	115 V	1	1
UH	5	Rittling	RH-18	450	212	0.033 hp	STORAGE ROOM 1:103C	3100	1	0.3	0.0	0.83	2.5	160 °F	145 °F	37.00	16.78	115 V	1	1
UH	6	Rittling	RH-18	450	212	0.033 hp	STORAGE ROOM 1:100B	1600	0	0.2	0.0	0.83	2.5	160 °F	145 °F	37.00	16.78	115 V	1	1
UH	13	Rittling	RH-18	450	212	0.033 hp	UNDERSLAB / CRAWLSPACE WEST VOC. WING	6000	2	0.6	0.0	0.83	2.5	160 °F	145 °F	37.00	16.78	115 V	1	1
UH	14	Rittling	RH-18	450	212	0.033 hp	UNDERSLAB / CRAWLSPACE WEST VOC. WING	6000	2	0.6	0.0	0.83	2.5	160 °F	145 °F	37.00	16.78	115 V	1	1

1.HYDRONIC UNIT HEATER; UNIT TO BE MOUNDER FROM UNDERSIDE OF STRUCTURE; ORDER UNIT w/ HANGING SPRING ISOLATORS, STRAINER, AND ISOLATION VALVE KIT.

VENTILATION SCHEDULE - ASHRAE 62-1 - 2016 - VOCATIONAL WING

AIR SYSTEM	ZONE TYPE	SUPPLY AIR (Vpz)	AREA	OUTDOOR AIR RATE		ZONE POPULATION (Pz)	AIR DISTRIBUTION EFFECTIVENESS (Ez)	SPACE OUTDOOR AIR (Voz)	BREATHING OUTDOOR AIR (Vbz)	TOTAL (Vot)	Voc Wing Phase
				PER AREA (Ra)	PER PERSON (Rp)						
AHU-7	Educational Facilities - Wood/metal shop _ Ashrae 62.1_16	3748 CFM	4128 SF	0.18 CFM/SF	10 CFM	64	0.8	1383	1729	1729	Yes
AHU-7										1729	
AHU-8	Educational Facilities - Wood/metal shop _ Ashrae 62.1_16	3322 CFM	2716 SF	0.18 CFM/SF	10 CFM	64	0.8	1129	1411	1411	Yes
AHU-8										1411	
AHU-9	Office Buildings - Office space - Enclosed _ Ashrae 62.1_90.1_10	100 CFM	174 SF	0.06 CFM/SF	5 CFM	1	0.8	15	19	19	Yes
AHU-9	General - Corridors _ Ashrae 62.1_16	200 CFM	366 SF	0.06 CFM/SF	0 CFM	2	0.8	22	27	27	Yes
AHU-9	Food and Beverage Service - Kitchen (cooking) _ Ashrae 62.1_16	6133 CFM	3120 SF	0.12 CFM/SF	8 CFM	38	0.8	659	824	824	Yes
AHU-9										871	
AHU-10	Educational Facilities - Classrooms (age 9 plus) _ Ashrae 62.1_16	1545 CFM	1764 SF	0.12 CFM/SF	10 CFM	30	0.8	512	640	640	Yes
AHU-10										640	
FC-101	Educational Facilities - Computer lab _ Ashrae 62.1_16	1200 CFM	637 SF	0.12 CFM/SF	10 CFM	28	0.8	356	445	445	Yes
FC-101										445	
FC-103	Office Buildings - Office space - Enclosed _ Ashrae 62.1_90.1_10	53 CFM	100 SF	0.06 CFM/SF	5 CFM	1	0.8	11	14	14	Yes
FC-103										14	
FC-104	Office Buildings - Office space - Enclosed _ Ashrae 62.1_90.1_10	238 CFM	76 SF	0.06 CFM/SF	5 CFM	5	0.8	30	37	37	Yes
FC-104										37	

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035

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No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	JS/MP	24-04-01

SEAL

PROVINCE OF MANITOBA
J.P. SCHELLENBERG
Member
31336
2024-04-08
REGISTERED PROFESSIONAL ENGINEER

JS DRAWN	JS CHECKED	JS DESIGNED	JS APPROVED
DATE 2024-04-01	USER APPROVAL		

Winnipeg
THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
PEMBINA TRAILS COLLEGIATE
VOCATIONAL WING
TENDER NO. 954-2023B
50 FRONTIER TRAIL, WINNIPEG, MANITOBA, R3Y 2H1

SHEET TITLE
Mechanical Schedules 3

SCALE	PROJECT No:	SHEET No:
	2020-127	M7.3

DRAWING SHEET SIZE: A1 (594x841) PLOT 1:1
ESE 24049