

NEW AIR HANDLING UNIT SCHEDULE																
TAG	AREA SERVED	SUPPLY FAN			UNIVERSAL COIL (HOT WATER HEATING)							UNIVERSAL COIL (DX COOLING)		VOLTAGE	MAKE / MODEL	
		AIRFLOW L/s (CFM)	E.S.P. (IN. W.C.)	MOTOR POWER kW (HP)	CAPACITY kW (MBH)	FLOW RATE L/s (USGPM)	PRESSURE DROP (ftHd)	EWT °C (°F)	LWT °C (°F)	EAT °C (°F)	LAT °C (°F)	WORKING FLUID	CAPACITY kW (MBH)			TONS
AHU-1	OFFICES	1133 (2400)	0.5	1.5 (2)	47.4 (161.63)	1 (15.7)	0.7	82 (180)	71 (160)	7 (45)	40 (105)	Hot Water	26.83 (91.55)	8	208/3	DAIKIN/ CAH007GDAM

NOTE: SECTIONAL UNIT TO FIT THROUGH DOOR

NEW CONDENSING UNIT SCHEDULE								
TAG	ASSOCIATED EQUIPMENT	TOTAL HEAT REJECTION		REFRIGERANT	SEER / EER	ELECTRICAL (V/Ph.)	OVERALL PHYSICAL DIMENSIONS (L x W x H) (in)	MAKE / MODEL
		(TONS)						
CU-1	AHU-1	8		R410A	13.1	600/3	35.8x35.8x45	Aaon/ CFA-009-B-A-4-DC00K:0-A0-00-00-000-0-N000-000B000-0A000B

NEW BOILER SCHEDULE																	
TAG	DESCRIPTION	INPUT kW (MBH)	OUTPUT kW (MBH)	GAS PRESSURE		WATER VOLUME L (USGAL)	WATER FLOW		HEAD LOSS		EWT °C (°F)	LWT °C (°F)	RELIEF VALVE		ELECTRICAL POWER (V/PH/Hz)	MAKE / MODEL	
				MINIMUM (IN. W.C.)	MAXIMUM (IN. W.C.)		20°F ΔT L/s (USGPM)	40°F ΔT L/s (USGPM)	20°F ΔT (FT.)	40°F ΔT (FT.)			SIZE mm (IN.)	RATING (MBH)			PRESSURE (PSI)
B-1	Natural Gas Boiler	175.84 (600)	171.45 (585)	4	14	45 (12)	3.7 (59)	1.8 (29)	4.40	2.80	71 (160)	82 (180)	19 (3/4)	697	50	120/1/60	Lochinvar / FTX600N
B-2	Natural Gas Boiler	175.84 (600)	171.45 (585)	4	14	45 (12)	3.7 (59)	1.8 (29)	4.40	2.80	71 (160)	82 (180)	19 (3/4)	697	50	120/1/60	Lochinvar / FTX600N

NOTE: 100% BACKUP

NEW WALL FIN SCHEDULE										
TAG	DESCRIPTION	AREA SERVED	QUANTITY	HEATING PERFORMANCE			LENGTH		WORKING FLUID	MAKE / MODEL
				CAPACITY kW (MBH)	FLOW RATE L/s (USGPM)	AWT °C (°F)	FIN (MM)	COVER (MM)		
1	HYDRONIC WALL FIN	1.02, 1.05A, 1.18	3	1.9 (6.48)	0.04 (0.66)	82 (180)	1219	3530, 2184, 3180	HOT WATER	ENGINEERED AIR/ WF-1A
2	HYDRONIC WALL FIN	1.03	1	2.8 (9.55)	0.06 (0.97)	82 (180)	1529	2133	HOT WATER	ENGINEERED AIR/ WF-1A
3	HYDRONIC WALL FIN	1.05	1	6 (20.47)	0.13 (2.08)	82 (180)	3952	6000	HOT WATER	ENGINEERED AIR/ WF-1A
4	HYDRONIC WALL FIN	1.17	1	2.5 (8.53)	0.05 (0.87)	82 (180)	1675	2007	HOT WATER	ENGINEERED AIR/ WF-1A
5	HYDRONIC WALL FIN	1.11	1	5.6 (19.11)	0.12 (1.94)	82 (180)	3858	4623	HOT WATER	ENGINEERED AIR/ WF-1A
6	HYDRONIC WALL FIN	1.12, 1.10, 1.10, 1.14	4	2.3 (7.85)	0.05 (0.8)	82 (180)	1524	2057, 3530/2235, 2160	HOT WATER	ENGINEERED AIR/ WF-1A
7	HYDRONIC WALL FIN	1.13, 1.09, 1.20	3	0.9 (3.07)	0.02 (0.31)	82 (180)	610	1092, 1118, 1220	HOT WATER	ENGINEERED AIR/ WF-1A
8	HYDRONIC WALL FIN	1.05, 1.08	2	0.9 (3.07)	0.02 (0.31)	82 (180)	610	914914	HOT WATER	ENGINEERED AIR/ WF-1A

NOTE: WALL FIN AND ENCLOSURE INCLUDED

NEW RADIANT HEATER SCHEDULE							
TAG	DESCRIPTION	LOCATION	INPUT	LENGTH	ELECTRICAL	MAKE / MODEL	COMMENTS
			kW (MBH)	(MM)	(V/Ph)		
BU-1	NATURAL GAS RADIANT HEATER	VEHICLE WORKSHOP(1.22/1.23)	23.45 (80)	6650	120/1	SUPERIOR/ UA80	STRAIGHT CONFIGURATION
BU-2	NATURAL GAS RADIANT HEATER	VEHICLE WORKSHOP(1.22/1.23)	36.63 (125)	12750	120/1	SUPERIOR/ UA125 U	U-SHAPED RADIANT HEATER 12750 MM TO BE TOTAL LENGTH
BU-3	NATURAL GAS RADIANT HEATER	VEHICLE WORKSHOP(1.22/1.23)	23.45 (80)	6650	120/1	SUPERIOR/ UA80	STRAIGHT CONFIGURATION
BU-4	NATURAL GAS RADIANT HEATER	GARAGE AREA(1.26)	36.63 (125)	12750	120/1	SUPERIOR/ UA125 U	STRAIGHT CONFIGURATION
BU-5	NATURAL GAS RADIANT HEATER	GARAGE AREA(1.26)	36.63 (125)	12750	120/1	SUPERIOR/ UA125 U	STRAIGHT CONFIGURATION
BU-6	NATURAL GAS RADIANT HEATER	GARAGE AREA(1.26)	36.63 (125)	12750	120/1	SUPERIOR/ UA125 U	STRAIGHT CONFIGURATION
BU-7	NATURAL GAS RADIANT HEATER	GARAGE AREA(1.26)	36.63 (125)	12750	120/1	SUPERIOR/ UA125 U	STRAIGHT CONFIGURATION
BU-8	NATURAL GAS RADIANT HEATER	PAINT SPRAY BOOTH AREA(1.21)	23.45 (80)	6650	120/1	SUPERIOR/ UA80	STRAIGHT CONFIGURATION
BU-9	NATURAL GAS RADIANT HEATER	PAINT SPRAY BOOTH AREA(1.21)	23.45 (80)	6650	120/1	SUPERIOR/ UA80	STRAIGHT CONFIGURATION

NEW DOMESTIC WATER HEATER SCHEDULE							
TAG	DESCRIPTION	STORAGE CAPACITY	RECOVERY RATE	HEATING CAPACITY	ELECTRICAL	MAKE / MODEL	NOTES
		L (USGAL)	LPH(GPH @ 100F)	(kW)	(V/Ph./Hz.)		
HWT-1	ELECTRIC WATER HEATER	151 (40)	68 (18)	5	208/3/60	BRADFORD WHITE/ LE240S3-3NCWW-458	NON-SIMULTANEOUS
HWT-2	ELECTRIC WATER HEATER	151 (40)	68 (18)	5	208/3/60	BRADFORD WHITE/ LE240S3-3NCWW-458	NON-SIMULTANEOUS

NEW UNIT HEATER SCHEDULE										
TAG	AREA SERVED	HEATING			ELECTRICAL	DIMENSIONS				DESIGN MAKE / MODEL
		CAPACITY kW (MBH)	AIRFLOW L/s (CFM)	MOTOR w (HP)		HEIGHT mm	WIDTH mm	LENGTH mm	WEIGHT kg	
UH-1	BATTERY STORAGE	8 (27.3)	224 (475)	37.3 (0.05)	115/1	560	470	610	43	ENGINEERED AIR/ H2 - EXPLOSION PROOF
UH-2	MECHANICAL ROOM	9.4 (32.07)	224 (475)	37.3 (0.05)	115/1	560	470	610	43	ENGINEERED AIR/ H2

EXISTING MOTORIZED DAMPER SCHEDULE							
TAG	DAMPER	SIZE (mm)	INSULATED	APPLICATION	BLADE	MAKE	COMMENTS
MD-1	AH-1 OUTSIDE AIR	480x480	YES	VERTICAL MULTIPLE BLADES	PARALLEL/ PB	ALUMAVENT/ 3900	COMPLETE WITH ACTUATOR MATCHED WITH EXISTING
MD-2	AH-1 RETURN AIR	400x400	YES	VERTICAL MULTIPLE BLADES	PARALLEL/ PB	ALUMAVENT/ 3900	COMPLETE WITH ACTUATOR MATCHED WITH EXISTING
MD-3	AH-1 RELIEF AIR	400x400	YES	VERTICAL MULTIPLE BLADES	PARALLEL/ PB	ALUMAVENT/ 3900	COMPLETE WITH ACTUATOR MATCHED WITH EXISTING
MD-4	EF-5 OUTSIDE AIR INTAKE	600x600	YES	VERTICAL MULTIPLE BLADES	PARALLEL/ PB	ALUMAVENT/ 3900	COMPLETE WITH ACTUATOR MATCHED WITH EXISTING
MD-5	EF-7 OUTSIDE AIR INTAKE	600x600	YES	VERTICAL MULTIPLE BLADES	PARALLEL/ PB	ALUMAVENT/ 3900	COMPLETE WITH ACTUATOR MATCHED WITH EXISTING
MD-6	EF-8 OUTSIDE AIR INTAKE	400x400	YES	VERTICAL MULTIPLE BLADES	PARALLEL/ PB	ALUMAVENT/ 3900	COMPLETE WITH ACTUATOR MATCHED WITH EXISTING
MD-7	EF-10 OUTSIDE AIR INTAKE	700x300	YES	VERTICAL MULTIPLE BLADES	PARALLEL/ PB	ALUMAVENT/ 3900	COMPLETE WITH ACTUATOR MATCHED WITH EXISTING
MD-8	CRAWLSPACE INTAKE	400x400	YES	VERTICAL MULTIPLE BLADES	PARALLEL/ PB	ALUMAVENT/ 3900	COMPLETE WITH ACTUATOR MATCHED WITH EXISTING

NOTE: VERIFY ALL SIZES ON SITE PRIOR TO ORDER.

EXHAUST FAN SCHEDULE						
TAG	DESCRIPTION	FAN		MOTOR	ELECTRICAL	MAKE / MODEL
		AIRFLOW L/s (CFM)	E.S.P. Pa (IN. W.G.)			
EF-1	WASHROOM EXHAUST FAN	236 (500)	93 (0.375)	186 (1/4)	115/60/1	CANARM/ 409
EF-2	LUNCH/ CONFERENCE EXHAUST FAN	90 (190)	32 (0.125)	fract	115/60/1	LOREN COOK/ GN-186
EF-3	BATTERY STORAGE EXHAUST FAN	118 (250)	62 (0.25)	142 (0.188)	115/60/1	LOREN COOK/ 60TCN28D (VF) - EXPLOSION PROOF
* EF-4	ELECT WORKSHOP EXHAUST FAN	61 (130)	32 (0.125)	6.7 (0.0094)	115/60/1	LOREN COOK/ GN-148
* EF-5	VEHICLE MAIN. EXHAUST FAN	736 (1560)	93 (0.375)	313 (0.42)	115/60/1	LOREN COOK/ 120SQ17D (VF)
EF-6	VEHICLE TAILPIPE EXHAUST FAN	236 (500)	622 (2.5)	1119 (1.5)	208/60/3	NEDERMAN/ F-2000
* EF-7	GARAGE/ STORAGE EXHAUST FAN	1214 (2572)	93 (0.375)	373 (0.5)	208/60/3	LOREN COOK/ 165TCNH11D
* EF-8	BUOY MAIN. EXHAUST FAN	736 (1560)	93 (0.375)	328 (0.44)	115/60/1	LOREN COOK/ 135SQ17D (VF)
EF-9	PAINT BOOTH (DEMOLISHED)					NOT REQUIRED
EF-10	CRAWLSPACE EXHAUST FAN	165 (350)	124 (0.5)	186 (1/4)	115/60/1	CANARM/ 407
EF-11	WELDING EXHAUST FAN	380 (807)	62 (0.25)	1119 (1.5)	208/60/3	NEDERMAN/ F-2000
EF-12	ELECTRICAL ROOM EXHAUST FAN	84 (178)	62 (0.25)	fract	115/60/1	BROAN/ 509N

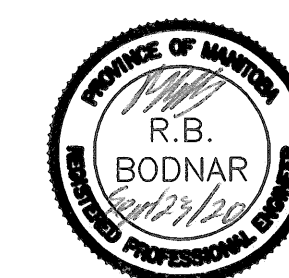
* UPSIZED OVER EXISTING UNIT

EXISTING FORCE FLOW HEATER SCHEDULE						
TAG	AREA SERVED	HEAT OUTPUT	AIRFLOW	HOT WATER FLOW	ELECTRICAL	ACTUAL MAKE / MODEL
		kW (MBH)	L/s (CFM)	L/s (GPM)	(V/Ph.)	
FF-1	1.01	15.21 (51.91)	264 (560)	0.32 (5.07)	115/1	ENGINEERED AIR/ RECESSED TYPE
FF-2	1.16	5.61 (19.13)	104 (220)	0.13 (2.06)	115/1	ENGINEERED AIR/ CUH-3
FF-3	1.15	7.61 (25.96)	142 (300)	0.13 (2.06)	115/1	ENGINEERED AIR/ CUH-3
FF-4	1.12	7.61 (25.96)	142 (300)	0.13 (2.06)	115/1	ENGINEERED AIR/ CUH-3
FF-5	1.24	7.61 (25.96)	142 (300)	0.13 (2.06)	115/1	ENGINEERED AIR/ CUH-3

EXPANSION TANK SCHEDULE					
TAG	DESCRIPTION	TANK VOLUME	ACCEPTANCE VOLUME	MAKE / MODEL	NOTES
		L (USGAL)	L (USGAL)		
ET-1	EXPANSION TANK	95 (25)	77 (21)	BELL AND GOSSETT/ D SERIES	ASME/ FLOOR MOUNTED

CEILING FAN SCHEDULE							
TAG	LOCATION	FAN		MOTOR	ELECTRICAL	MAKE / MODEL	COMMENTS
		DIAMETER	SPEED				
		MM (in)	RPM	W	(V/Ph.)		
CF-1	WASHROOM EXHAUST FAN	1219 (48)	325.00	62.00	120/ 1	CANARM/ CP48HPWP	COMPLETE WITH FAN GUARD
CF-2	LUNCH/ CONFERENCE EXHAUST FAN	1219 (48)	325.00	62.00	120/ 1	CANARM/ CP48HPWP	COMPLETE WITH FAN GUARD
CF-3	BATTERY STORAGE EXHAUST FAN	1219 (48)	325.00	62.00	120/ 1	CANARM/ CP48HPWP	COMPLETE WITH FAN GUARD
CF-4	ELECT WORKSHOP EXHAUST FAN	1219 (48)	325.00	62.00	120/ 1	CANARM/ CP48HPWP	COMPLETE WITH FAN GUARD
CF-5	VEHICLE MAIN. EXHAUST FAN	1219 (48)	325.00	62.00	120/ 1	CANARM/ CP48HPWP	COMPLETE WITH FAN GUARD
CF-6	VEHICLE TAILPIPE EXHAUST FAN	1219 (48)	325.00	62.00	120/ 1	CANARM/ CP48HPWP	COMPLETE WITH FAN GUARD

HYDRONIC PUMP SCHEDULE								
TAG	DESCRIPTION	FLUID	PERFORMANCE		MOTOR		MAKE / MODEL	
			FLOW L/s (USGPM)	HEAD kPa (FT.)	POWER kW (HP)	SPEED (RPM)		
P-1	HYDRONIC HEATING	WATER	3.15 (50)	120 (40)	1.12 (1.5)	1725	BELL & GOSSETT / E-90 1.5AB	
P-2	HYDRONIC HEATING	WATER	3.15 (50)	120 (40)	1.12 (1.5)	1725	BELL & GOSSETT / E-90 1.5AB	
P-3	DOMESTIC HOT WATER RECIRCULATION PUMP	WATER	EXISTING TO REMAIN					
P-4	AHU-1	WATER	1 (15.7)	15 (5)	0.062 (0.0831)	2950	BELL & GOSSETT / NRF-25	



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Revision	Description	Date
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0	Issued for Tender	2020/03/23

Client: _____ client

DFO CENTRAL AND ARCTIC REGION

CANADIAN COAST GUARD BASE

Project: _____ Project

SELKIRK, MANITOBA

HVAC REFURBISHMENT

Designed by: **MJ** Conçu par

Drawn by: **MJ** Dessiné par

Approved by: *[Signature]* Approuvé par

DFO Project Manager: **ALDIN JANSEN** Administrateur de Projets MPO

Drawing title: **MECHANICAL SCHEDULES** Titre du dessin

Project no./No. du projet: _____ Drawing no./No. du dessin: _____ Revision no.: _____

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