

COIL & REHEAT COIL SCHEDULE

NO.	LOCATION	AIRFLOW CFM (l/s)	MAXIMUM AIRFLOW PRESSURE DROP IN. (pa)	HP	HEATING COIL DATA						CONTROLS							FLA	MCA	MOCP	POWER						REMARKS
					TOTAL BTUH (kW)	EAT DB °F (°C)	LAT DB °F (°C)	SCR (BY MECHANICAL)			INTERLOCK			F.A. SHUT DOWN	DATA CONN.	NOTES	PANEL				EM	V/Ø	FEEDER	COND	BRKR	CCT	
								TYPE	STAGES	REMOTE FEEDER	SUPPLY	INSTALL	WITH														
EHC-1A	ERV-1A	900 (425)	0.005 (1.25)	--	39,239 (11.5)	-40 (-40)	0 (-18)	FULL	--	--	MECHANICAL	MECHANICAL	DISCHARGE AIR TEMP. CONTROLLER WITH REMOTE ROOM RESET	Y				33.3			208V/3ø	3 #8 RW90	21mm	50A/3P	D2-45,46, 47		IN DUCT COIL, PROVIDE SCR AND AIRFLOW PROVING SWITCH.
EHC-2A	ERV-1A	900 (425)	0.005 (1.25)	--	17,060 (5.0)	49 (9.4)	65 (18)	FULL	--	--	MECHANICAL	MECHANICAL	DISCHARGE AIR TEMP. CONTROLLER WITH REMOTE ROOM RESET	Y				13.9			208V/3ø	3 #12 RW90	21mm	20A/3P	D2-48,49, 50		IN DUCT COIL, PROVIDE SCR AND AIRFLOW PROVING SWITCH.
EHC-2	AHU-1A	800 (330)	0.005 (1.25)	--	20,478 (6.0)	50 (10)	74.6 (23.6)	FULL	--	--	MECHANICAL	MECHANICAL	DISCHARGE AIR TEMP. CONTROLLER WITH REMOTE ROOM RESET	Y				33.0	41	45	208V/1ø	2 #8 RW90	27mm	45A/2P	D2-51,52		ELECTRIC COIL PROVIDED AS PACKAGE WITH AHU-1A

PIL BOOTHS EQUIPMENT
ROOFTOP UNIT SCHEDULE

NO.	LOCATION	SUPPLY FAN		PACKAGE UNIT	PROVIDE HEATING COIL Y/N	HEATING COIL DATA			PROVIDE COOLING COIL Y/N	COOLING COIL DATA					HP	PROVIDE HUMIDIFIER SECTION Y/N	PROVIDE RELIEF AIR SECTION Y/N	PROVIDE PRE FILTER Y/N	PROVIDE FINAL FILTER Y/N	FINAL FILTER MERV RATING	UNIT WEIGHT LBS (kg)	CONTROLS						
		AIRFLOW CFM (l/s)	ESP IN. H ₂ O (pa)			CAPACITY BTUH (kW)	EAT °F (°C)	LAT °F (°C)		REFRIGERANT TYPE	CAPACITY kW (BTUH)	TOTAL SENSIBLE BTUH (kW)	EAT °F (°C)									INTERLOCK		DATA CONN.	NOTES	PANEL		
													DB	WB													DB	WB
RTU-1A	PIL 405	800 (377.36)	0.75 (174.5)	YES	NO	45,360 (15)	42.5 (5.8)	95 (35)	YES	R-410A	7.03 (24,000)	6.7 (23,000)	77.2 (25.1)	67.1 (19.5)	60.2 (15.6)	59.2 (15)	1/2	NO	YES	NO	YES	13	212 (96.2)	MECHANICAL	MECHANICAL	DISCHARGE AIR TEMP. CONTROLLER WITH ROOM RESET		
RTU-2A	PIL 406	800 (377.36)	0.75 (174.5)	YES	YES	45,360 (15)	42.5 (5.8)	95 (35)	YES	R-410A	7.03 (24,000)	6.7 (23,000)	77.2 (25.1)	67.1 (19.5)	60.2 (15.6)	59.2 (15)	1/2	NO	YES	NO	YES	13	212 (96.2)	MECHANICAL	MECHANICAL	DISCHARGE AIR TEMP. CONTROLLER WITH ROOM RESET		
RTU-3A	PIL 407	800 (377.36)	0.75 (174.5)	YES	YES	45,360 (15)	42.5 (5.8)	95 (35)	YES	R-410A	7.03 (24,000)	6.7 (23,000)	77.2 (25.1)	67.1 (19.5)	60.2 (15.6)	59.2 (15)	1/2	NO	YES	NO	YES	13	212 (96.2)	MECHANICAL	MECHANICAL	DISCHARGE AIR TEMP. CONTROLLER WITH ROOM RESET		
RTU-4A	PIL 408	800 (377.36)	0.75 (174.5)	YES	YES	45,360 (15)	42.5 (5.8)	95 (35)	YES	R-410A	7.03 (24,000)	6.7 (23,000)	77.2 (25.1)	67.1 (19.5)	60.2 (15.6)	59.2 (15)	1/2	NO	YES	NO	YES	13	212 (96.2)	MECHANICAL	MECHANICAL	DISCHARGE AIR TEMP. CONTROLLER WITH ROOM RESET		

FLA	MCA	MOCP	POWER						REMARKS
			EM	V/ø	FEEDER	COND	BRKR	CCT	
18.1	27.8	30	Y	208V/1ø	2 #10 RW90	21mm	30A/2P	EL5-3,4	BACNET – DDC CONTROLS COMPATIBLE – FACTORY ROOF CURB, AND CONTROL MODULE. MOTORIZED DAMPER ON INSULATED RELIEF & OUTDOOR AIR LOW LEAK DAMPERS EQUIVALENT TO TAMCO 9000. REFER ALSO TO SPECIFICATIONS.
18.1	27.8	30	Y	208V/1ø	2 #10 RW90	21mm	30A/2P	EL5-5,6	BACNET – DDC CONTROLS COMPATIBLE – FACTORY ROOF CURB, AND CONTROL MODULE. MOTORIZED DAMPER ON INSULATED RELIEF & OUTDOOR AIR LOW LEAK DAMPERS EQUIVALENT TO TAMCO 9000. REFER ALSO TO SPECIFICATIONS.
18.1	27.8	30	Y	208V/1ø	2 #10 RW90	21mm	30A/2P	EL5-7,8	BACNET – DDC CONTROLS COMPATIBLE – FACTORY ROOF CURB, AND CONTROL MODULE. MOTORIZED DAMPER ON INSULATED RELIEF & OUTDOOR AIR LOW LEAK DAMPERS EQUIVALENT TO TAMCO 9000. REFER ALSO TO SPECIFICATIONS.
18.1	27.8	30	Y	208V/1ø	2 #10 RW90	21mm	30A/2P	EL5-9,10	BACNET – DDC CONTROLS COMPATIBLE – FACTORY ROOF CURB, AND CONTROL MODULE. MOTORIZED DAMPER ON INSULATED RELIEF & OUTDOOR AIR LOW LEAK DAMPERS EQUIVALENT TO TAMCO 9000. REFER ALSO TO SPECIFICATIONS.

AIR CONDITIONING EVAPORATOR SCHEDULE

NO.	LOCATION	AIRFLOW CFM (l/s)	CAPACITY BTUH (kw)	REFRIGERANT TYPE	HP	UNIT WEIGHT LBS (kg)	CONTROLS					FLA	MCA	MOCP	POWER					REMARKS		
							INTERLOCK				DATA CONN.				NOTES	PANEL	V/ø	FEEDER	COND		BRKR	CCT
							SUPPLY	INSTALL	WITH													
AC-2A	RM-243	400 (188)	12,000 (3.51)	410A	--	146 (66.22)	ELECTRICAL	ELECTRICAL	CU-2 THERMOSTAT		--	--	27.5	33.5	35	208V/1ø	2 #8 RW60	27mm	35A/2P	EL5-31,32	HORIZONTAL DUCTED UNIT / DIGITAL WALL MOUNTED THERMOSTAT. CONNECT HIGH TEMPERATURE ALARM OUTPUT TO DDC, HUMIDIFICATION, HEATER.	

AIR COMPRESSOR SCHEDULE

NO.	DESCRIPTION	LOCATION	TANK CAPACITY GAL. (L)	DESIGN PRESSURE PSI (pa)			NOISE MAX.	INTERLOCK				POWER									CONTROLS										REMARKS	
								SUPPLIED BY		INSTALLED BY		WITH	HP (kw)	FLA	MCA	MOCP	EM	V/ø	FEEDER	BRKR	CCT	INTERLOCK				F.A. SHUT DOWN	DATA CONN.	NOTES	PANEL			
																						SUPPLIED BY		INSTALLED BY					WITH	MECH		ELEC
					MECH	ELEC		MECH	ELEC																							
ACOMP-1	FIRE PROTECTION	WAREHOUSE	2 (7.5)	125 (4846)	1.5 SCFM @ 90 PSI	1	58 DBA	●		●	PRESSURE SWITCH	3/4	7.6				208V/1ø	2 #12 RW90	20A/2P	D2-18,19		●		●			ULC LISTED AIR COMPRESSOR TO MEET DRY SYSTEM DESIGN REQUIREMENTS. COORDINATE WITH ELECTRICAL CONTRACTOR FOR CONNECTIONS. PROVIDE AFTERCOOLER AND AUTO DRAIN					

TERTIARY EQUIPMENT

AIR CONDITIONING EVAPORATOR SCHEDULE

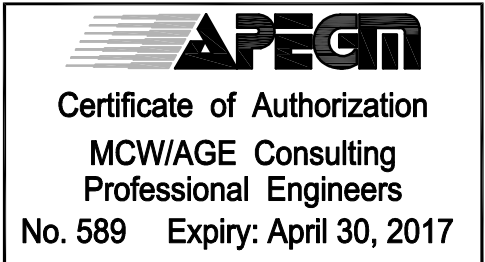
NO.	LOCATION	AIRFLOW CFM (l/s)	CAPACITY BTUH (kw)	REFRIGERANT TYPE	HP	UNIT WEIGHT LBS (KG)	CONTROLS					FLA	MCA	MOCP	POWER					REMARKS	
							INTERLOCK			DATA CONN.	NOTES				PANEL	V/ø	FEEDER	COND	BRKR		CCT
							SUPPLY	INSTALL	WITH												
AC-1B	NEW LOBBY 402	848 (400)	30,700 (8.9)	R-410A	--	40 (18.1)	MECHANICAL	ELECTRICAL	C-1B				1			208V/1ø	2 #12 RW90	21mm	15A/2P	CJ-1B	MUST OPERATE DOWN TO 0°C OUTDOOR TEMP. PROVIDE 120V CONDENSATE PUMP & WIRE & CONNECT.
AC-2B	OFFICE AREA 403	355 (168)	9,000 (2.6)	R-410A	--	22 (10)	MECHANICAL	ELECTRICAL	C-2B				1			208V/1ø	2 #12 RW90	21mm	15A/2P	CJ-2B	MUST OPERATE DOWN TO 0°C OUTDOOR TEMP. PROVIDE 120V CONDENSATE PUMP & WIRE & CONNECT.
AC-3B	NEW WAITING AREA 404	355 (168)	9,000 (2.6)	R-410A	--	22 (10)	MECHANICAL	ELECTRICAL	C-2B				1			208V/1ø	2 #12 RW90	21mm	15A/2P	CJ-3B	MUST OPERATE DOWN TO 0°C OUTDOOR TEMP. PROVIDE 120V CONDENSATE PUMP & WIRE & CONNECT.



MECH ONLY



ELEC ONLY



DO NOT SCALE DRAWINGS

0	ISSUED FOR CONSTRUCTION	2016/11/02
Revision / Révision	Description / Description	Date / Date

Client/client

**PUBLIC WORKS
AND GOVERNMENT
SERVICES AGENCY**

Project title/Titre du projet
**EMERSON, MANITOBA
HIGHWAY 75, UNITED STATES BORDER**

**EXPANSION AND
REDEVELOPMENT OF THE
EMERSON PORT OF ENTRY**

Approved by/Approuvé par
AL/KEI

Designed by/Concepté par
CD/AL/GD

Drawn by/Dessiné par
KL/GA

PWGSC Project Manager/Administrateur de Projets TPSGC
JAMES HUTCHINGS

PWGSC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie, TPSGC

Client/client

Drawing title/Titre du dessin
**MECHANICAL & ELECTRICAL DATA
SHEETS**

Project No./No. du projet R.068431.001	Sheet/ Feuille ME1.1 2 OF 3	Revision no./ La Révision no. 0
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