AIR HANDLING UNIT SCHEDULE

NO.	LOCATION	MAKE	MODEL	AIRFLOW CFM (l/s)	EXTERNAL STATIC PRESS. IN. H_2O (pa)	HP	PACKAGE UNIT	# OF FANS	SUPPLY FAN AIRFLOW CFM (l/s)	SUPPLY FAN ESP IN. H_2O (pa)	EXHAUST FAN AIRFLOW CFM (l/s)	EXHAUST FAN ESP IN. H_2O (pa)	PROVIDE HEATING COIL Y/N	HEATING COIL DATA: HEATING MEDIUM	THERMOFLUID Y/N	THERMOFLUID %	THERMOFLUID TYPE	TOTAL INPUT BTUH (kW)	TOTAL OUTPUT BTUH (kW)	WATER FLOW GPM (l/s)	EWT °F (°C)	LWT °F (°C)	EAT °F (°C)	LAT °F (°C)	AIR PRESS DROP IN. H_2O (pa)	H_2O PRESS DROP FT. H_2O (pa)	PROVIDE COOLING COIL Y/N	COOLING COIL DATA: COOLNG MEDIUM	REFRIGERANT TYPE	WATER FLOW GPM (l/s)	TOTAL BTUH (kW)	TOTAL SENSIBLE BTUH (kW)	EAT °F (°C) DB	EAT °F (°C) WB	LAT °F (°C) DB	LAT °F (°C) WB	EWT °F (°C)	LWT °F (°C)	AIR PRESS DROP IN. H_2O (pa)	H_2O PRESS DROP IN. H_2O (pa)	UNIT WEIGHT LBS (kG)	CONTROLS: INTERLOCK SUPPLY	INTERLOCK INSTALL	INTERLOCK WITH	F.A. SHUT DOWN	DATA CONN.	NOTES	PANEL
AHU-1	WEST PARKING LOT	DECTRON	LD-182-VT-X-P5ET223302C2AFOH	23,000 (10855)	2 (500)	15X2	YES	2	23,000 (10855)	2 (500)	3,872 (1,827)	1.5 (375)	YES	NATURAL GAS	NO			1,000,000 (293)	800,000 (234.4)				-35 (-37)	85 (29.4)			YES	DX/ELEC	R-410A		569,200 (166.8)	313,100 (91.7)					85 (29.4)				16,000 (7,257)	MECHANICAL	MECHANICAL	EXISTING HRV / DDC	--	--	--	
AHU-2	BASEMENT MECHANICAL ROOM	DAIKIN	CAH009GDAM	4,200 (1980)	2 (500)	5	YES	1	4,200 (1980)	2 (500)			YES	THERMAL FLUID	YES	50	PG	275,351 (--)		28.6 (1.8)	120 (48.8)	100 (37.7)	14 (-10)	73.3 (22.9)	0.31 (77.1)	7.5 (--)	NO													1,397 (633)	MECHANICAL	MECHANICAL	THERMOSTAT / DDC	--	--	--	
MUA-1	BASEMENT ELECTRICAL ROOM	DAIKIN	CAH003GHAM	750 (354)	2 (500)	1.5	YES	1	750 (354)	1 (250)			YES	THERMAL FLUID	YES	50	PG	81,130 (--)		8.7 (0.7)	120 (48.8)	99 (--)	-32 (-35)	68 (24.4)	0.17 (42.3)	6.0 (--)	NO													535 (242)	MECHANICAL	MECHANICAL	BOILERS B-1, & B-2	--	--	--	

AIR HANDLING UNIT SCHEDULE CONTINUED

NO.	FLA	MCA	MOCP	POWER: EM	V/ø	FEEDER	COND	BRKR	CCT	STARTER: TYPE	SUPPLY	INSTALL	FUNC	PL	PB	HOA	REMARKS
AHU-1		--	125	-- (--)	600V/3ø	3ø3 RW90	1 1/4" (35MM)	125A/3P	MD-1	VFD							COMPLETE WITH BACnet. COMPLETE WITH RAYCHEM SELF REGULATING HEAT TRACE FOR CONDENSATE AND HEAT RECOVERY PIPING. (4 CIRCUITS)
AHU-2	5.3	--	--	-- (--)	600V/3ø	3ø12 RW90	3/4" (21MM)	20A/3P	PANEL 100	MAGNETIC	ELECTRICAL	ELECTRICAL	FVNR	*		*	C/W MERV 8 PRE FILTER AND MERV 13 FINAL FILTER.
MUA-1	6.25	--	--	-- (--)	208V/1ø	2ø12 RW90	3/4" (21MM)	15A/2P	PANEL B	MAGNETIC	ELECTRICAL	ELECTRICAL	FVNR	*		*	C/W VSD ON FAN MOTOR CONTROLLED TO MAINTAIN COMMISSIONED BOILER ROOM OPERATING PRESSURE. FILTER, WEATHER HOOD, LOW LEAK INSULATED MOTORIZED DAMPER.

DOMESTIC HOT WATER HEATER SCHEDULE

NO.	LOCATION	MAKE	MODEL	TANK VOLUME GAL (L)	TANK CAPACITY BTUH (kW)	RECOVERY AT 85°F (29.4°C) TEMP RISE GPH (LPH)	UNIT WEIGHT FULL LBS (kG)	POWER: EM	V/ø	FEEDER	COND	BRKR	CCT	REMARKS
DHWH-1	BASEMENT MECHANICAL ROOM	AO SMITH	DSE-65A-54	65 (246)	184,255 (54)	221 (836)	885 (401)	-- (--)	600V/3ø	4ø4 RW90	1 1/4" (35MM)	70A/3P	MD-1	MANUFACTURER SHALL ENSURE THAT UNITS ARE FACTORY WIRED FOR THE SELECTED VOLTAGE & PHASING
DHWH-2	BASEMENT MECHANICAL ROOM	AO SMITH	DSE-65A-54	65 (246)	184,255 (54)	221 (836)	885 (401)	-- (--)	600V/3ø	4ø4 RW90	1 1/4" (35MM)	70A/3P	MD-1	MANUFACTURER SHALL ENSURE THAT UNITS ARE FACTORY WIRED FOR THE SELECTED VOLTAGE & PHASING

CONDENSING UNIT/AIR CONDITIONING UNIT SCHEDULE

NO.	LOCATION	MAKE	MODEL	CAPACITY BTUH (kW)	REFRIGERANT TYPE	OUTDOOR AMBIENT TEMP. °F (°C) MIN	MAX	SEER RATING	HP	UNIT WEIGHT LBS (kG)	CONTROLS: INTERLOCK SUPPLY	INTERLOCK INSTALL	INTERLOCK WITH	DATA CONN.	NOTES	PANEL	FLA	MCA	MOCP	POWER: V/ø	FEEDER	COND	BRKR	CCT	REMARKS
CU-2	CRAWLSPACE	DAIKIN	RXS12LVJU	11,500 (3.4)	R-410A	40 (--)	105 (--)	15.5	--	75 (34)	MECHANICAL	MECHANICAL	AC-2	--	--		--	8.75	15	208V/1ø	2ø12	3/4" (21MM)	15A/2P	EXISTING CIRCUIT	--
CU-3	CRAWLSPACE	DAIKIN	RKB12AXVJU	11,000 (3.2)	R-410A	40 (--)	105 (--)	17	--	57 (26)	MECHANICAL	MECHANICAL	AC-3	--	--		--	7.7	15	208V/1ø	2ø12	3/4" (21MM)	15A/2P	EXISTING CIRCUIT	--
CU-4	CRAWLSPACE	DAIKIN	RK36NMVJU	34,400 (10)	R-410A	40 (--)	105 (--)	15.9	--	133 (60)	MECHANICAL	MECHANICAL	AC-4	--	--		--	17	20	208V/1ø	2ø12	3/4" (21MM)	20A/2P	EXIST PANEL IN BSMT	--
AC-2	ENGINEERS OFFICE	DAIKIN	FDXS12LVJU	11,500 (3.4)	R-410A	-- (--)	-- (--)	15.5	--	47 (21)	MECHANICAL	MECHANICAL	CU-2	--	--										COMPLETE WITH CONDENSATE PUMP (ASPEN LINE MINIVOLT ASPMLUNI), TO BE DRAINED TO NEAREST SANITARY DRAIN APPROVED BY CONSULTANT. POWERED FROM CU-2.
AC-3	STAFF LOUNGE	DAIKIN	FTKB12AXVJU	11,000 (3.2)	R-410A	-- (--)	-- (--)	17	--	20 (9.5)	MECHANICAL	MECHANICAL	CU-3	--	--										COMPLETE WITH CONDENSATE PUMP (ASPEN LINE MINIVOLT ASPMLUNI), TO BE DRAINED TO NEAREST SANITARY DRAIN APPROVED BY CONSULTANT. POWERED FROM CU-3.
AC-4	MPR	DAIKIN	FTX36NVJU	34,400 (10)	R-410A	-- (--)	-- (--)	15.9	--	38 (17)	MECHANICAL	MECHANICAL	CU-4 AND WF-1	--	--										COMPLETE WITH CONDENSATE PUMP (ASPEN LINE MINIVOLT ASPMLUNI), TO BE DRAINED TO NEAREST SANITARY DRAIN APPROVED BY CONSULTANT. POWERED FROM CU-4. INTERLOCK WITH WALL FIN HEATER TO PREVENT SIMULTANEOUS HEATING AND COOLING.

EXHAUST FAN SCHEDULE

NO.	LOCATION	MAKE	MODEL	FAN TYPE	AIRFLOW CFM (l/s)	EXTERNAL STATIC PRESS. IN. H_2O (pa)	HP	MAX SONES	SPEED RPM	UNIT WEIGHT W/O ACCESS. LBS (kG)	CONTROLS: INTERLOCK SUPPLY	INTERLOCK INSTALL	INTERLOCK WITH	F.A. SHUT DOWN	DATA CONN.	NOTES	PANEL	FLA	MCA	MOCP	POWER: EM	V/ø	FEEDER	COND	BRKR	CCT	STARTER: TYPE	SUPPLY	INSTALL	FUNC	PL	PB	HOA	REMARKS
EF-5	1:17A JANITORIAL ROOM	GREENHECK	CSP-A125	DIRECT DRIVE	80 (38)	0.3 (-)	FRAC	0.4	980	16 (--)	MECHANICAL	MECHANICAL	DISCONNECT	--	--	--		--	--	--	-- (--)	120V/1ø	2ø12	3/4" (21MM)	15A/1P	N-36	MANUAL	ELECTRICAL	ELECTRICAL		*	*		TO RUN CONTINUOUSLY
EF-6	1:17B ELECTRICAL ROOM	GREENHECK	CSP-A700-VG	DIRECT DRIVE WITH SPEED CONTROL	730 (--)	0.3 (--)	FRAC	1.5	1127	36 (--)	MECHANICAL	MECHANICAL	ROOM THERMOSTAT	--	--	--		--	--	--	-- (--)	120V/1ø	2ø12	3/4" (21MM)	15A/1P	N-37	MANUAL	ELECTRICAL	ELECTRICAL		*	*		--

ENGINEERS GEOSCIENTISTS MANITOBA
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MECHANICAL AND ELECTRICAL SCHEDULES

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