## ELECTRIC DUCT HEATER SCHEDULE

							HE	ATING CO	IL DATA					CONT	ROLS									PC	WER				
NO.	LOCATION	MAKE	MODEL	AIRFLOW CFM (I/s)	AIRFLOW PRESSURE DROP IN.	TOTAL BTUH	EAT DB	LAT DB F	S	SCR (BY MECHANICAL)				INTERLOCK			F.A. SHUT DOWN		PANEL	FLA	МСА	моср	ЕМ	V/ø	FEEDEF		BRKR	ССТ	REMARKS
					(pa)	(kW)	(°C)	(°C)	TYPE	STAGES	REMOTE	E FEEDER	SUPPLY	r INSTALL	WITH	DOWN													
EHC 0-1	STAFF LOUNGE 008	THERMOLEC	SC	635 (300)	0.05 (13)	10,236 (3)	65 (18)	80 (27)	PACK				MECHANICA	L MECHANICAL	TSTAT								 ()	208/3	3#12	3/4"	20A/3P	D-1,3,5	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.
EHC 0-2	STAFF LOUNGE 008	THERMOLEC	SC	450 (212)	0.05 (13)	6,824 (2)	65 (18)	80 (27)	PACK				MECHANICA	L MECHANICAL	TSTAT								 ()	208/3	3#12	3/4"	15A/3P	D-7,9,11	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.
EHC 0-3	BOOK DROP 014	THERMOLEC	SC	635 (300)	0.05 (13)	10,236 (3)	65 (18)	80 (27)	PACK				MECHANICA	L MECHANICAL	TSTAT								 ()	208/3	3#12	3/4"	20A/3P	D-13,15,17	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.
EHC 0-4	MECH 002	THERMOLEC	SC	688 (325)	0.05 (13)	10,236 (3)	65 (18)	80 (27)	PACK				MECHANICA	L MECHANICAL	TSTAT								 ()	208/3	3#12	3/4"	20A/3P	D-19,21,23	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.
EHC 1-1	STAFF LOUNGE 008	THERMOLEC	SC	1130 (531)	0.05 (13)	17,060 (5)	67 (19)	80 (27)	PACK				MECHANICA	L MECHANICAL	TSTAT								 ()	208/3	3#12	3/4"	20A/3P	D-25,27,29	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.
EHC 1-2	STAFF KITCHEN 006	THERMOLEC	SC	688 (325)	0.05 (13)	10,236 (3)	67 (19)	80 (27)	PACK				MECHANICA	L MECHANICAL	TSTAT								 ()	208/3	3#12	3/4"	20A/3P	D-2,4,6	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.
EHC 1-3	MECH 002	THERMOLEC	SC	1130 (533)	0.05 (13)	17,060 (5)	67 (19)	78 (26)	PACK				MECHANICA	L MECHANICAL	TSTAT								 ()	208/3	3#12	3/4"	20A/3P	D-8,10,12	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.
EHC 1-4	READING AND MEETING ROOMS 101	THERMOLEC	SC	1130 (531)	0.05 (13)	30,708 (9)	65 (18)	90 (33)	PACK				MECHANICA	L MECHANICAL	TSTAT								 ()	208/3	3 <b>#</b> 8	3/4"	40A/3P	D-14,16,18	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.
EHC 1-5	READING AND MEETING ROOMS 101	THERMOLEC	SC	1090 (512)	0.05 (13)	30,708 (9)	65 (18)	91 (33)	PACK				MECHANICA		TSTAT								 ()	208/3	3#8	3/4"	40A/3P	D-20,22,24	PROVIDE COMPLETE WITH AIR PROVING SWITCH AND AIR TEMPERATURE SENSOR.

## FAN COIL SCHEDULE (ELECTRIC)

					EXTERNAL	HEATING	G COIL	DATA	COOLING	COIL D	ΑΤΑ	UNIT		CONT	ROLS							PO	WER			
NO.	LOCATION	MAKE	MODEL	AIRFLOW CFM (I/s)	STATIC PRESS. IN. H₂O (pa)	TOTAL BTUH	EAT °F	LAT F	REFRIGERANT TYPE	= (kW)	TOTAL SENSIBLE BTUH	WEIGHT LBS (kG)		INTERLOC	К	NOTES	FLA	МСА	моср	ЕМ	V/ø	FEEDER	COND	BRKR	ССТ	REMARKS
					(pu)	Bion	(.c)	(°C)			(kW)		SUPPLY	INSTALL	WITH											
FC 0-1	STAFF KITCHEN 006	DAIKIN	FXMQ18PBVJU	635 (300)	0.4 (100)	20,556	65 (18)	95 (35)	R-410A	15,299 (4.5)	13,451 (4)	62 (30)	MECHANICAL	MECHANICAL	TSTAT		1.4		15		208V/1ø	2 <b>#</b> 12	1/2"	15A/2P	F-1,3	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. FIELD CONSTRUCT FILTER BOX ON SUCTION SIDE OF FAN COIL AND PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.
FC 0-2	STAFF LOUNGE 008	DAIKIN	FXMQ12PBVJU	450 (212)	0.4 (100)	13,869	65 (18)	95 (35)	R-410A	10,215 (3)	8,324 (2.5)	102 (47)	MECHANICAL	MECHANICAL	TSTAT		2.8		15		208V/1ø	2 <b>#</b> 12	1/2"	15A/2P	F-5,7	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. FIELD CONSTRUCT FILTER BOX ON SUCTION SIDE OF FAN COIL AND PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.
FC 0-3	BOOK DROP 014	DAIKIN	FXMQ18PBVJU	635 (300)	0.8 (200)	20,556	65 (18)	95 (35)	R-410A	15,299 (4.5)	13,451 (4)	80 (27)	MECHANICAL	MECHANICAL	TSTAT		1.8		15		208V/1ø	2 <b>#</b> 12	1/2"	15A/2P	F-9,11	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. FIELD CONSTRUCT FILTER BOX ON SUCTION SIDE OF FAN COIL AND PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.
FC 0-4	MECH 002	DAIKIN	FXMQ24PBVJU	688 (325)	0.8 (200)	27,709	65 (18)	95 (35)	R-410A	20,425 (6)	16,211 (4.7)	80 (27)	MECHANICAL	MECHANICAL	TSTAT		1.8		15		208V/1ø	2#12	1/2"	15A/2P	F-13,15	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. FIELD CONSTRUCT FILTER BOX ON SUCTION SIDE OF FAN COIL AND PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.
FC 1-1	STAFF LOUNGE 008	DAIKIN	FXMQ36PBVJU	1130 (531)	0.8 (200)	41,113	65 (18)	95 (35)	R-410A	30,612 (9)	24,569 (7.2)	102 (47)	MECHANICAL	MECHANICAL	TSTAT		1.8		15		208V/1ø	2 <b>#</b> 12	1/2"	15A/2P	F—17,19	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. FIELD CONSTRUCT FILTER BOX ON SUCTION SIDE OF FAN COIL AND PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.
FC 1-2	STAFF KITCHEN 006	DAIKIN	FXMQ24PBVJU	688 (325)	0.8 (200)	27,755	65 (18)	95 (35)	R-410A	20,425 (6)	16,211 (4.7)	102 (47)	MECHANICAL	MECHANICAL	TSTAT		1.8		15		208V/1ø	2 <b>#</b> 12	1/2"	15A/2P	F-21,23	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. FIELD CONSTRUCT FILTER BOX ON SUCTION SIDE OF FAN COIL AND PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.
FC 1-3	MECH 002	DAIKIN	FXMQ36PBVJU	1130 (533)	0.8 (200)	41,113	65 (18)	95 (35)	R-410A	20,612 (6)	24,569 (7.2)	102 (47)	MECHANICAL	MECHANICAL	TSTAT		2.9		15		208V/1ø	2 <b>#</b> 12	1/2"	15A/2P	F-25,27	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. FIELD CONSTRUCT FILTER BOX ON SUCTION SIDE OF FAN COIL AND PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.
FC 1-4	READING AND MEETING ROOMS 101	DAIKIN	FXMQ36PBVJU	1130 (531)	0.8 (200)	41,113	65 (18)	95 (35)	R-410A	30,612 (6)	24,569 (7.2)	102 (47)	MECHANICAL	MECHANICAL	TSTAT		2.8		15		208V/1ø	2#12	1/2"	15A/2P	F-29,31	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.
FC 1-5	READING AND MEETING ROOMS 101	DAIKIN	FXMQ30PBVJU	1090 (512)	0.8 (200)	34,929	65 (18)	95 (35)	R-410A	25,514 (7.5)	20,395 (6)	102 (47)	MECHANICAL	MECHANICAL	TSTAT		2.8		15		208V/1ø	2#12	1/2"	15A/2P	F-33,35	PROVIDE COMPLETE WITH ADAPTER BOARD FOR AUXILIARY HEAT CONTROL. PROVIDE MINIMUM MERV 8 FILTERS. PROVIDE FLEX CONNECTIONS AND SHUT OFFS AT EACH UNIT.

## CONDENSING UNIT SCHEDULE

			SYSTEM MODEL (UNIT MODEL)	SYSTEM CAPACITY BTUH (UNIT CAPACITY)		OUTDOOR AMBIENT TEMP.		UNIT			CONTROLS	5						POWER			
NO.	NO. LOCATION	MAKE			REFRIGERANT	*F (*C)	MINIMUM EER RATING		INTERLOCK		DATA CONN.	NOTES PANEL	FLA MC	а мс		Ø FEEDER	COND	BRKR	сст	REMARKS	
						MIN MAX			SUPPLY INSTAL	INSTALL	WITH										
CU-01	OUTSIDE REFER TO 1/M4.1.	DAIKIN	REYQ192TTJU (REYQ120TTJU)	192,000 (120,000)	R-410A	-13 122 (-25) (50)	11.90	528 (240)	MECHANICAL	MECHANICAL	DDC, FAN COILS			36.	3 4	45 208V,	<sup>7</sup> 3ø		45A/3P	A-29,31,33	HEAT RECOVERY SYSTEM. PROVIDE BMS INTERFACE COMPATIBLE WITH NEW DDC SYSTEM. CONDENSING UNITS TO OPERATE AS ONE UNIT. TWIN UNITS TOGETHER. FLEX CONNECTIONS AT UNIT.
CU-02	OUTSIDE REFER TO 1/M4.1.	DAIKIN	REYQ192TTJU (REYQ72TTJU)	192,000 (72,000)	R-410A	-13 122 (-25) (50)	11.90	435 (197)	MECHANICAL	MECHANICAL	DDC, FAN COILS			27.	6 3	35 208V,	'3ø		35A/3P	B-33,35.37	HEAT RECOVERY SYSTEM. PROVIDE BMS INTERFACE COMPATIBLE WITH NEW DDC SYSTEM. CONDENSING UNITS TO OPERATE AS ONE UNIT. TWIN UNITS TOGETHER. FLEX CONNECTIONS AT UNIT.

HRV SCHEDULE

				AIRFI	LOW	EXTERNAL	MINIMUM		UNIT		CON	TROLS						PO	WER			
NO.	LOCATION	MAKE	MODEL	(1/	(I/s) PRESS. TEMPERATURE IN. H <sub>2</sub> 0 EFFICIENCY (pa) %		# OF FANS	(kG)	INTERLO		F.A. SHUT DATA CONN. NOTES PANEL		ANEL FLA	MCA N	IOCP E	1 V/ø	FEEDER		BRKR	сст	REMARKS	
				SUPPLY	RETURN					SUPPLY INSTALL	WITH											
HRV-01	MECH 002	TEMPEFF	RGSP 1800	1000 (470)	975 (458)	0.75 (187)	90.5	2	1089 (493)	MECHANICAL MECHANICAL	DDC			11.4	13		、   208V/3	ø 3#12	3/4"	20A/3P	A-36,38,40	PROVIDE WITH MERV 10 FILTERS.

BRANCH SELECTOR BOX SCHEDULE

				00011110		UNIT			CONTRO	LS								POWER			
NO.	LOCATION	MAKE	MODEL	COOLING CAPACITY BTUH	REFRIGERANT TYPE	WEIGHT LBS (kG)		INTERL	оск	DATA CONN.	NOTES	PANEL	FLA	MCA	моср		FEEDEI	R COND	BRKR	ССТ	REMARKS
							SUPPLY	INSTALL	WITH												
BSB-1	STAFF LOUNGE 008	DAIKIN	BSQ94TVJ	96,000	R-410A	50 (23)	MECHANICAL	MECHANICAL	FAN COILS				0.1		15	208V/1ø	2#12	1/2"	15A/2P	F-2,4	NO DRAIN PIPING REQUIRED. PROVIDE SHUT OFF VALVE AT EACH PORT. CAP OFF UNUSED PORTS.
BSB-2	STAFF KITCHEN 006	DAIKIN	BS4Q54TVJ	54,000	R-410A	50 (23)	MECHANICAL	MECHANICAL	FAN COILS				0.1		15	208V/1ø	2 <b>#</b> 12	1/2"	15A/2P	F-6,8	NO DRAIN PIPING REQUIRED. PROVIDE SHUT OFF VALVE AT EACH PORT. CAP OFF UNUSED PORTS.
BSB-3	MECH 002	DAIKIN	BSQ60TVJ	60,000	R-410A	50 (23)	MECHANICAL	MECHANICAL	FAN COILS				0.4		15	208V/1ø	2 <b>#</b> 12	1/2"	15A/2P	F-10,12	NO DRAIN PIPING REQUIRED. PROVIDE SHUT OFF VALVE AT EACH PORT. CAP OFF UNUSED PORTS.



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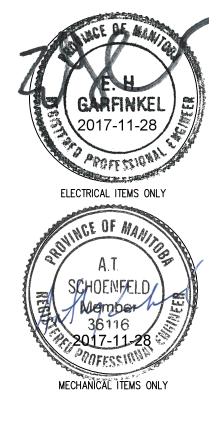
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Project

Cornish Library Renovation

Drawing

JDG

Mechanical Specifications, Schedules, & Charts

Drawn By Scale NTS

ATS Drawing No. ME1.1

Reviewed By

Date Project No. 2017.11.28 1503a

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