



PROVINCE OF NEWFOUNDLAND AND LABRADOR

PEG
Newfoundland
and Labrador
PERMITTING AND INSPECTION
DIVISION

PERMIT HOLDER

This Permit Allows
R. L. Foster JUN-28, 2017
Amec Foster Wheeler Americas Limited

To practice Professional Engineering
in Newfoundland and Labrador,
Permit No. as Issued by PEG
which is valid for the year **2017** . D0018

VRF SYSTEM – INDOOR UNIT SCHEDULE																					
TAG NO.	ROOMS SERVICED	NOMINAL TONNAGE	MANUFACTURER*	MODEL No.	REFRIGERANT	DESCRIPTION	CONNECTED TO:		SUPPLY FAN AIRFLOW (L/S)	COOLING CAPACITY			HEATING CAPACITY		ELECTRICAL			DIMENSIONS		WEIGHT (kg)	OPTIONS & ACCESSORIES
							CONDENSER	ZONE CHANGEOVER DEVICE		TOTAL (kW)	SENSIBLE (kW)	ENTERING AIR °C DB	LEAVING AIR °C WB	TOTAL (kW)	ENTERING AIR °C DB	POWER SUPPLY	MCA	MOP	W*H*D(mm)		
FC1	EM CLEAN WORKSHOP 120	1.5	DAIKIN	FMA018PBWU	R410A	CEILING MOUNTED DUCTED	CU1	YES	300	4.99	4.28	26	18.6	6.08	20	208//50	1.6	15	1000x300x701	36	NAVIGATION REMOTE CONTROLLER
FC2	MCTS OIC 104	0.6	DAIKIN	PF5007YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	198	2.08	1.85	26	18.6	2.58	20	208//50	0.3	15	841x246x841	19	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC3	KITCHEN 105	0.6	DAIKIN	PF5007YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	198	2.08	1.85	26	18.6	2.58	20	208//50	0.3	15	574x287x574	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC4	LAN ROOM 108	0.8	DAIKIN	FMA009PWU	R410A	WALL MOUNTED UNIT	CU1	YES	132	2.64	2.06	26	18.6	3.25	20	208//50	0.3	15	795x290x236	12.02	NAVIGATION REMOTE CONTROLLER, REFCO CONDENSATE PUMP MODEL 4678482
FC5	SHARED EQUIPMENT 111	0.6	DAIKIN	FMA007PBWU	R410A	CEILING MOUNTED DUCTED	CU1	YES	150	2.08	1.77	26	18.6	2.57	20	208//50	0.6	15	551x300x701	25	NAVIGATION REMOTE CONTROLLER, MERV 13 FILTER KIT, ADAPTOR PCB
FC6A	EM ELECTRONICS EQUIP. RM. 114	1	DAIKIN	PF5012YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	205	3.33	2.62	26	18.6	4.1	20	208//50	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT
FC6B	EM ELECTRONICS EQUIP. RM. 114	1	DAIKIN	PF5012YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	205	3.33	2.62	26	18.6	4.1	20	208//50	0.3	15	841x246x841	19.09	STANDARD DECORATION PANEL, MERV 13 FILTER KIT
FC6C	EM ELECTRONICS EQUIP. RM. 114	1	DAIKIN	PF5012YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	205	3.33	2.62	26	18.6	4.1	20	208//50	0.3	15	841x246x841	19.09	STANDARD DECORATION PANEL, MERV 13 FILTER KIT
FC6D	EM ELECTRONICS EQUIP. RM. 114	1	DAIKIN	PF5012YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	205	3.33	2.62	26	18.6	4.1	20	208//50	0.3	15	841x246x841	19.09	STANDARD DECORATION PANEL, MERV 13 FILTER KIT
FC7A	MCTS OPERATIONS RM. 214	0.6	DAIKIN	PF5007YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	198	2.08	1.85	26	18.6	2.58	20	208//50	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC7B	MCTS OPERATIONS RM. 214	0.6	DAIKIN	PF5007YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	198	2.08	1.85	26	18.6	2.58	20	208//50	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC7C	MCTS OPERATIONS RM. 214	0.6	DAIKIN	PF5007YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	198	2.08	1.85	26	18.6	2.58	20	208//50	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC7D	MCTS OPERATIONS RM. 214	0.6	DAIKIN	PF5007YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	198	2.08	1.85	26	18.6	2.58	20	208//50	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC8	ROOMS 201, 203, 205	0.6	DAIKIN	FMA007PBWU	R410A	CEILING MOUNTED DUCTED	CU1	YES	150	2.08	1.70	26	18.6	2.58	20	208//50	0.6	15	551x300x701	25	NAVIGATION REMOTE CONTROLLER, MERV 13 FILTER KIT, ADAPTOR PCB
FC9	SHARED BOARDROOM/TRAINING 213	1.0	DAIKIN	PF5012YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	205	3.33	2.62	26	18.6	4.1	20	208//50	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC10	MCTS KITCHEN 212	0.6	DAIKIN	PF5007YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	198	2.08	1.85	26	18.6	2.58	20	208//50	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC11	WORKSHOP – DIRTY 113	0.6	DAIKIN	PF5007YUW	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (340mmx340mm)	CU1	YES	198	2.08	1.85	26	18.6	2.58	20	208//50	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DECORATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC12	C&P BLDG LAN ROOM 102	0.8	DAIKIN	FMA009PWU	R410A	WALL MOUNTED UNIT	CU4	YES	132	2.64	2.06	26	18.6	3.25	20	208//50	0.3	15	795x290x236	12.02	REMOTE CONTROLLER, REFCO CONDENSATE PUMP MODEL 4678482
FC13	C&P WORKSTATIONS 101	0.8	DAIKIN	FMA009PWU	R410A	WALL MOUNTED UNIT	CU4	YES	132	2.64	2.06	26	18.6	3.25	20	208//50	0.3	15	795x290x236	12.02	REMOTE CONTROLLER, REFCO CONDENSATE PUMP MODEL 4678482
NOTE: ALTERNATIVE MANUFACTURERS: MITSUBISHI, LG, TOSHIBA, OR APPROVED EQUAL																					

LOW AMBIENT A/C SYSTEM – INDOOR UNIT SCHEDULE																			
TAG NO.	ROOMS SERVED	NOMINAL TONNAGE	MANUFACTURER*	MODEL No.	REFRIGERANT	DESCRIPTION	CONNECTED TO:		COOLING CAPACITY				HEATING CAPACITY		ELECTRICAL		DIMENSIONS WxHxD(mm)	WEIGHT (Kg)	OPTIONS & ACCESSORIES
							CONDENSER	ZONE CHANGEOVER DEVICE	SUPPLY FAN	AREFLOW (L/S)	TOTAL (kW)	SENSIBLE (kW)	ENTERING AIR T.C DB : T.C WB	TOTAL (kW)	ENTERING AIR T.C DB	POWER SUPPLY			
FC14	E&I ELECTRONICS EQUIP. RM. 114 (BACKUP SYSTEM)	2.5	DAIKIN	FTXS30LVU	R410A	WALL MOUNTED UNIT	C12	YES	333	8.79	5.84	26	18.6	-	-	-	989x940x271	81.19	REMOTE CONTROLLER, MEVRY 13 FILTER KIT, REFCO CONDENSATE PUMP MODEL 4678482
FC15	E&I ELECTRONICS EQUIP. RM. 114 (BACKUP SYSTEM)	2.5	DAIKIN	FTXS30LVU	R410A	WALL MOUNTED UNIT	C13	YES	333	8.79	5.84	26	18.6	-	-	-	989x940x271	81.19	REMOTE CONTROLLER, MEVRY 13 FILTER KIT, REFCO CONDENSATE PUMP MODEL 4678482

*NOTE: ALTERNATIVE MANUFACTURERS: MITSUBISHI, LG, TOSHIBA, OR APPROVED EQUAL

VRF SYSTEM – AIR-COOLED CONDENSING UNIT SCHEDULE																									
TAG NO.		MANUFACTURER*	MODEL No.	REFRIGERANT	NOMINAL TONNAGE	COOLING CAPACITY		HEATING CAPACITY		ELECTRICAL			REFRIGERANT CHARGE		CONNECTION RATIO	DIMENSIONS		EFFICIENCY (NON-DUCTED/DUCTED)		OPTIONS & ACCESSORIES					
						ENTERING AIR °C DB	ENTERING AIR °C DB	ENTERING AIR °C WB	POWER SUPPLY	MCA	MOP	RUNNING CURRENT	FACTORY (kg)	ADPT. CHARGE (kg)	(%)	WxHxD(mm)	WEIGHT (kg)	EER	I EER	COP47	COP17	SCHE			
CUI1		DAIKIN	REYQ120FAJU	R410A	10	31.55	23.88	39.33	-15	600/3/60	18.2	25	N/A	11.70	11.72	129.2	1242x1694x67	329.76	13.9/12.6	25.4/20.7	3.98/3.51	2.54/2.32	27.9/25.1	-	
*NOTE: ALTERNATIVE MANUFACTURERS: MITSUBISHI, LG, TOSHIBA, OR APPROVED EQUAL																									
LOW AMBIENT A/C SYSTEM – AIR-COOLED CONDENSING UNIT SCHEDULE																									
TAG NO.		MANUFACTURER*	MODEL No.	REFRIGERANT	NOMINAL TONNAGE	COOLING CAPACITY		HEATING CAPACITY		ELECTRICAL			REFRIGERANT CHARGE		CONNECTION RATIO	DIMENSIONS		EFFICIENCY (NON-DUCTED/DUCTED)		OPTIONS & ACCESSORIES					
						ENTERING AIR °C DB	ENTERING AIR °C DB	ENTERING AIR °C WB	POWER SUPPLY	MCA	MOP	RUNNING CURRENT	FACTORY (kg)	ADPT. CHARGE (kg)	(%)	WxHxD(mm)	WEIGHT (kg)	EER	I EER	COP47	COP17	SCHE			
CU2		DAIKIN	RKS30LVAJU	R410A	2.5	8.79	-10 TO 46.1	-	-	208V//60	19.5	20	-	2.81	-	-	986x940x321	81.2	10.71	19.30	-	-	-	-	
CU3		DAIKIN	RKS30LVAJU	R410A	2.5	8.79	-10 TO 46.1	-	-	208V//60	19.5	20	-	2.81	-	-	986x940x321	81.2	10.71	19.30	-	-	-	-	
CU4		DAIKIN	RYT036FAJU	R410A	3	10	-10 TO 46.1	10.84	-15	208V//60	16.5	25	15.3	2.81	-	-	991x940x321	78	12	-	-	-	-	-	
NOTE: ALTERNATIVE MANUFACTURERS: MITSUBISHI, LG, TOSHIBA, OR APPROVED EQUAL																									

VRF SYSTEM – ZONE HEAT RECOVERY DEVICE SCHEDULE												
TAG NO.	CONDENSING UNIT SERVED	MANUFACTURER	MODEL No.	REFRIGERANT	MAX. CAPACITY PER PORT (KW)	ELECTRICAL			DIMENSIONS		WEIGHT	OPTIONS & ACCESSORIES
						POWER SUPPLY	WCA	MOP	WxHxD(mm)	(kg)		
BS1	CUI1	DAIKIN	BSQ5454TUJ	R410A	15.82	208/1/60	0.4	15	371x297x480	22		–
BS2	CUI1	DAIKIN	BSQ5454TUJ	R410A	15.82	208/1/60	0.4	15	371x297x480	22		–
BS3	CUI1	DAIKIN	BSQ607UJ	R410A	17.56	208/1/60	0.1	15	387x206x325	12.25		–

NOTE: ALTERNATIVE MANUFACTURERS: MITSUBISHI, LG, TOSHIBA, OR APPROVED EQUAL.

[illegible]