



PROVIDER OF ARCHITECTURAL AND LABORER PERMIT HOLDER
The Permit Holders
June 28, 2017
AMEC Foster Wheeler Americas Limited
To provide Professional Engineering Services
Project No. as Issued by PEG 20018
Which is valid for the year 2017



NOTES:
1. CONTRACTOR TO VERIFY ALL SITE CONDITIONS, LOCATIONS AND DIMENSIONS OUT ALL SYSTEMS BEFORE INITIATING WORK. COORDINATE SYSTEM SHUT DOWNS & SERVICE INTERRUPTIONS WITH OWNER.
2. PROVIDE ALL MATERIALS & LABOUR FOR INSTALLATION OF ALL DIMENSIONS AND LOCATIONS AND COORDINATE WITH DRAWINGS THAT FORM PART OF THIS CONTRACT.
3. DO NOT SCALE FROM DRAWINGS.
4. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

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 POWER SUPPLY	DIMENSIONS		WEIGHT (kg)	OPTIONS & ACCESSORIES		
							CONDENSER ZONE CHANGEOVER DEVICE	AIRFLOW (L/S)		SENSIBLE (kW)	ENTERING AIR C. DB	TOTAL (kW)	ENTERING AIR C. DB		ENTERING AIR C. WB	ENTERING AIR C. WB			WEIGHT (kg)	
FC1	EM CLEAN WORKSHOP 120	1.5	DAIKIN	FXM018BVJU	R410A	CEILING MOUNTED DUCTED	CU1	YES	300	4.99	4.28	26	18.6	20	208/1/60	1.6	15	1000x300x701	36	NAVIGATION REMOTE CONTROLLER
FC2	MCTS OIC 104	0.6	DAIKIN	FXF007YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	198	2.08	1.85	26	18.6	20	208/1/60	0.3	15	841x246x841	19	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC3	KITCHEN 105	0.6	DAIKIN	FXF007YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	198	2.08	1.85	26	18.6	20	208/1/60	0.3	15	574x287x574	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC4	LAN ROOM 108	0.8	DAIKIN	FXA009YJU	R410A	WALL MOUNTED UNIT	CU1	YES	132	2.64	2.06	26	18.6	20	208/1/60	0.3	15	795x290x236	12.02	NAVIGATION REMOTE CONTROLLER, REFCO CONDENSATE PUMP MODEL 4678482
FC5	SHARED EQUIPMENT 111	0.6	DAIKIN	FXM007BVJU	R410A	CEILING MOUNTED DUCTED	CU1	YES	150	2.08	1.77	26	18.6	20	208/1/60	0.6	15	551x300x701	25	NAVIGATION REMOTE CONTROLLER, MERV 13 FILTER KIT, ADAPTOR PCB
FC6A	EM ELECTRONICS EQUIP. RM. 114	1	DAIKIN	FXFQ12YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	205	3.33	2.82	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT
FC6B	EM ELECTRONICS EQUIP. RM. 114	1	DAIKIN	FXFQ12YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	205	3.33	2.82	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT
FC6C	EM ELECTRONICS EQUIP. RM. 114	1	DAIKIN	FXFQ12YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	205	3.33	2.82	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT
FC6D	EM ELECTRONICS EQUIP. RM. 114	1	DAIKIN	FXFQ12YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	205	3.33	2.82	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT
FC7A	MCTS OPERATIONS RM. 214	0.6	DAIKIN	FXF007YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	198	2.08	1.85	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC7B	MCTS OPERATIONS RM. 214	0.6	DAIKIN	FXF007YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	198	2.08	1.85	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC7C	MCTS OPERATIONS RM. 214	0.6	DAIKIN	FXF007YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	198	2.08	1.85	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC7D	MCTS OPERATIONS RM. 214	0.6	DAIKIN	FXF007YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	198	2.08	1.85	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC8	ROOMS 201, 203, 205	0.6	DAIKIN	FXM007BVJU	R410A	CEILING MOUNTED DUCTED	CU1	YES	150	2.08	1.70	26	18.6	20	208/1/60	0.6	15	551x300x701	25	NAVIGATION REMOTE CONTROLLER, MERV 13 FILTER KIT, ADAPTOR PCB
FC9	SHARED BOARDROOM/TRAINING 213	1.0	DAIKIN	FXFQ12YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	205	3.33	2.82	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC10	MCTS KITCHEN 212	0.6	DAIKIN	FXF007YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	198	2.08	1.85	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC11	WORKSHOP - DIRTY 113	0.6	DAIKIN	FXF007YJU	R410A	4-WAY DISCHARGE CEILING MOUNTED CASSETTE (940mmx940mm)	CU1	YES	198	2.08	1.85	26	18.6	20	208/1/60	0.3	15	841x246x841	19.09	NAVIGATION REMOTE CONTROLLER, STANDARD DEGRADATION PANEL, MERV 13 FILTER KIT, ADAPTOR PCB
FC12	C&P BLDG LAN ROOM 102	0.8	DAIKIN	FXA009YJU	R410A	WALL MOUNTED UNIT	CU4	YES	132	2.64	2.06	26	18.6	20	208/1/60	0.3	15	795x290x236	12.02	REMOTE CONTROLLER, REFCO CONDENSATE PUMP MODEL 4678482
FC13	C&P WORKSTATIONS 101	0.8	DAIKIN	FXA009YJU	R410A	WALL MOUNTED UNIT	CU4	YES	132	2.64	2.06	26	18.6	20	208/1/60	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 SERVICED	NOMINAL TONNAGE	MANUFACTURER*	MODEL No.	REFRIGERANT	DESCRIPTION	CONNECTED TO:		SUPPLY FAN AIRFLOW (L/S)	COOLING CAPACITY		HEATING CAPACITY		ELECTRICAL POWER SUPPLY	DIMENSIONS		WEIGHT (kg)	OPTIONS & ACCESSORIES		
							CONDENSER ZONE CHANGEOVER DEVICE	AIRFLOW (L/S)		SENSIBLE (kW)	ENTERING AIR C. DB	TOTAL (kW)	ENTERING AIR C. WB		ENTERING AIR C. WB	WEIGHT (kg)				
FC14	EM ELECTRONICS EQUIP. RM. 114 (BACKUP SYSTEM)	2.5	DAIKIN	FXS30LVJU	R410A	WALL MOUNTED UNIT	CU2	YES	333	8.79	5.84	26	18.6	20	208/1/60	0.3	15	989x440x321	81.19	REMOTE CONTROLLER, MERV 13 FILTER KIT, REFCO CONDENSATE PUMP MODEL 4678482
FC15	EM ELECTRONICS EQUIP. RM. 114 (BACKUP SYSTEM)	2.5	DAIKIN	FXS30LVJU	R410A	WALL MOUNTED UNIT	CU3	YES	333	8.79	5.84	26	18.6	20	208/1/60	0.3	15	989x440x321	81.19	REMOTE CONTROLLER, MERV 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 POWER SUPPLY	ELECTRICAL		REFRIGERANT CHARGE (kg)	CONNECTION RATIO (%)	DIMENSIONS		WEIGHT (kg)	EFFICIENCY (NON-DUCTED/DUCTED)	OPTIONS & ACCESSORIES				
					ENTERING AIR C. DB	ENTERING AIR C. WB	ENTERING AIR C. DB	ENTERING AIR C. WB		MCA	MOP			WEIGHT (kg)	WEIGHT (kg)				EER	IEER	CPH47	CPH17
CU1	DAIKIN	RFQ1207VCU	R410A	10	31.55	23.88	39.33	-15	600/3/60	18.2	25	N/A	11.70	11.72	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 POWER SUPPLY	ELECTRICAL		REFRIGERANT CHARGE (kg)	CONNECTION RATIO (%)	DIMENSIONS		WEIGHT (kg)	EFFICIENCY (NON-DUCTED/DUCTED)	OPTIONS & ACCESSORIES				
					ENTERING AIR C. DB	ENTERING AIR C. WB	ENTERING AIR C. DB	ENTERING AIR C. WB		MCA	MOP			WEIGHT (kg)	WEIGHT (kg)				EER	IEER	CPH47	CPH17
CU2	DAIKIN	RKS30LVJU	R410A	2.5	8.79	-10 TO 46.1	-	-	208/1/60	19.5	20	-	2.81	-	986x940x321	81.2	10.71	19.30	-	-	-	-
CU3	DAIKIN	RKS30LVJU	R410A	2.5	8.79	-10 TO 46.1	-	-	208/1/60	19.5	20	-	2.81	-	986x940x321	81.2	10.71	19.30	-	-	-	-
CU4	DAIKIN	RKT0367AVJU	R410A	3	10	-10 TO 46.1	10.84	-15	208/1/60	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 (kg)	OPTIONS & ACCESSORIES
						POWER SUPPLY	MCA	MOP	WEIGHT (mm)		
BS1	CU1	DAIKIN	BS40S4TVU	R410A	15.82	208/1/60	0.4	15	371x297x480	22	-
BS2	CU1	DAIKIN	BS40S4TVU	R410A	15.82	208/1/60	0.4	15	371x297x480	22	-
BS3	CU1	DAIKIN	BS060TVU	R410A	17.58	208/1/60	0.1	15	387x206x325	12.25	-

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

MCTS CENTRE AND C&P BUILDING PLACENTIA

MECHANICAL EQUIPMENT SCHEDULES

designed: J.L.
date: JUNE 28, 2017

checked: J.B.
date: JUNE 28, 2017

approved: J.B.
date: JUNE 28, 2017

submitter: J.B.
date: JUNE 28, 2017

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