

# AC SYSTEMS SCHEDULE

Project: Thetrainline.com		Project No. 2859			Manufacturer: Mitsubishi (M) & Denco (D)				Date: 29/04/2016	Revision: 06	
Ref.	Area	Cooling Duty (KW)	Heating Duty (KW)	Air Flow (L-M-H) (L/s)	Model	Dimensions (mm)			Weight (kg)	Electrical Supply	Notes
						L	W (exc plenum)	D			
<b>System 1 – Second floor offices</b>											
<b>Outdoor Units</b>											
CU-01	Ground Floor	50	56	3833	(M) PURY-P450YLM-A1	1750	740	1710	321	380-415v, 50Hz	
<b>Indoor Units</b>											
FCU/2/01	Second Floor Open office area	3.9	5.0	167-200-233	(M) PEFY-P40VMA(L)-E	732	900	250	26	220-240v, 50Hz	Existing FCU, Connects to CU-01
FCU/2/02	Second Floor Open office area	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Existing FCU, Connects to CU-01
FCU/2/03	Second Floor Open office area	3.9	5.0	167-200-233	(M) PEFY-P40VMA(L)-E	732	900	250	26	220-240v, 50Hz	Existing FCU, Connects to CU-01
FCU/2/04	Second Floor Open office area	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Connects to CU-01
FCU/2/05	Second Floor Open office area	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Connects to CU-01
FCU/2/06	Second Floor Open office area	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Connects to CU-01
FCU/2/07	Second Floor Open office area	7.8	10.0	242-300-350	(M) PEFY-P80VMA(L)-E	732	1100	250	32	220-240v, 50Hz	Connects to CU-01
FCU/2/08	Second Floor Open office area	7.8	10.0	242-300-350	(M) PEFY-P80VMA(L)-E	732	1100	250	32	220-240v, 50Hz	Connects to CU-01
FCU/2/09	Second Floor Open office area	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Existing FCU, Connects to CU-01
FCU/2/10	Second Floor UX room	1.9	2.5	100-125-142	(M) PEFY-P20VMA(L)-E	732	700	250	23	220-240v, 50Hz	Connects to CU-01
<b>Controllers</b>											
	Second Floor wellbeing room				TBC by AMD	TBC by AMD	TBC by AMD	TBC by AMD			For VAV units
	Second Floor library				TBC by AMD	TBC by AMD	TBC by AMD	TBC by AMD			For VAV units
	Second Floor project room				TBC by AMD	TBC by AMD	TBC by AMD	TBC by AMD			For VAV units
	Second Floor private meeting room 1				TBC by AMD	TBC by AMD	TBC by AMD	TBC by AMD			For VAV units
	Second Floor private meeting room 2				TBC by AMD	TBC by AMD	TBC by AMD	TBC by AMD			For VAV units
	Second Floor private meeting room 3				TBC by AMD	TBC by AMD	TBC by AMD	TBC by AMD			For VAV units
	Second Floor UX room	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Second Floor Open office area	-	-	-	AE-200E						
<b>BC Controllers</b>											
BC/2/01	2 <sup>nd</sup> floor Open office area ceiling void	-	-	-	(M) CMB-P1010V-GA1	1110	520	289	69	220-240v, 50Hz	Connects to all second floor FCUs. Unit has 10 available connections which will connect to 10 FCUs, FCU/2/01, FCU/2/02,

												FCU/2/03 & FCU/2/09 relocated from existing 3 <sup>rd</sup> floor
<b>System 2 –Third floor offices</b>												
<b>Indoor Units</b>												
FCU/3/01	Third Floor Post room and store	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Existing unit, Connects to existing BC controller	
FCU/3/05	Third Floor Small meeting room 07	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Existing unit, Connects to existing BC controller	
FCU/3/06	Third Floor Collaboration space	6.1	8.0	225-267-317	(M) PEFY-P63VMA(L)-E	732	1100	250	32	220-240v, 50Hz	Existing unit, Connects to existing BC controller	
FCU/3/07	Third Floor Boardroom	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Existing unit, Connects to existing BC controller	
FCU/3/09	Third Floor Reception	3.9	5.0	167-200-233	(M) PEFY-P40VMA(L)-E	732	900	250	26	220-240v, 50Hz	Existing unit, Connects to existing BC controller	
FCU/3/10	Third Floor Medium meeting room 01	3.9	5.0	167-200-233	(M) PEFY-P40VMA(L)-E	732	900	250	26	220-240v, 50Hz	Existing unit, Connects to existing BC controller	
FCU/3/11	Third Floor Medium Meeting 03	4.8	6.3	200-242-283	(M) PEFY-P50VMA(L)-E	732	900	250	28	220-240v, 50Hz	Existing unit, Connects to existing BC controller	
FCU/3/39	Third Floor Creative room 01	1.9	2.5	100-125-142	(M) PEFY-P20VMA(L)-E	732	700	250	23	220-240v, 50Hz	Connects to existing BC controller	
FCU/3/40	Third Floor Small meeting room 06	1.9	2.5	100-125-142	(M) PEFY-P20VMA(L)-E	732	700	250	23	220-240v, 50Hz	Connects to existing BC controller	
FCU/3/41	Third Floor Medium meeting room 02	1.9	2.5	100-125-142	(M) PEFY-P20VMA(L)-E	732	700	250	23	220-240v, 50Hz	Connects to existing BC controller	
FCU/3/42	Third Floor Medium Meeting room	2.3	3.2	100-125-142	(M) PEFY-P25VMA(L)-E	732	700	250	23	220-240v, 50Hz	Connects to existing BC controller	
FCU/3/43	Third Floor Small meeting room 05	1.9	2.5	100-125-142	(M) PEFY-P20VMA(L)-E	732	700	250	23	220-240v, 50Hz	Connects to existing BC controller	
FCU/3/44	Third Floor Collaboration space	6.1	8.0	225-267-317	(M) PEFY-P63VMA(L)-E	732	1100	250	32	220-240v, 50Hz	Connects to existing BC controller	
FCU/3/45	Third Floor Collaboration space	6.1	8.0	225-267-317	(M) PEFY-P63VMA(L)-E	732	1100	250	32	220-240v, 50Hz	Connects to existing BC controller	
<b>Controllers</b>												
-	Third Floor Private meeting room 01	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		
-	Third Floor Private meeting room 02	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		
-	Third Floor Private meeting room 03	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		
	Third Floor Small meeting room 01	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		
	Third Floor Small meeting room 02	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		
	Third Floor Small meeting room 03	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		
	Third Floor Small meeting room 04	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		
	Third Floor Small meeting room 05	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		
	Third Floor Small meeting room	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-		

	06										
	Third Floor Small meeting room 07	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Third Floor Medium room	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Third Floor Medium meeting room 01	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Third Floor Medium meeting room 02	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Third Floor Medium meeting room 03	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Third Floor Creative room	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Third Floor Private meeting room 01	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Third Floor Boardroom	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	
	Third Floor Reception	-	-	-	(M) PAR-31MAA-J	120	120	19	-	-	

### **System 3 – Third floor comms room**

#### **Outdoor Units**

CU-02	Ground Floor	26.9	-	3833	(D) DCRA 32-EC Horizontal blower	1225	620	1142	80	3~400V,N, PE, 50Hz	
CU-03	Ground Floor	26.9	-	3833	(D) DCRA 32-EC Horizontal blower	1225	620	1142	80	3~400V,N, PE, 50Hz	
CU-04	Ground Floor	26.9	-	3833	(D) DCRA 32-EC Horizontal blower	1225	620	1142	80	3~400V,N, PE, 50Hz	

#### **Indoor Units**

FCU/3/46	Third Floor	21.2	-	1300	(D) Downflow (bottom discharge)	800	600	1940	220	3~400V,N, PE, 50Hz	Connects to CU-02
FCU/3/47	Third Floor	21.2	-	1300	(D) Downflow (bottom discharge)	800	600	1940	220	3~400V,N, PE, 50Hz	Connects to CU-03
FCU/3/48	Third Floor	21.2	-	1300	(D) Downflow (bottom discharge)	800	600	1940	220	3~400V,N, PE, 50Hz	Connects to CU-04

### **System 4 – Second floor patch room**

#### **Outdoor Units**

CU-05	Ground Floor	10	11.2	1666	(M) PUHZ-SHW112VHA	950	360	1350	134	1~230V, 50Hz	
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#### **Indoor Units**

FCU/2/11	Second Floor	10	11.2	333-383-433	(M) PKA-RP100KAL	1170	295	365	220	1~230V, 50Hz	Connects to CU-05
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#### **Notes:**

All VRF outdoor units to be supplied in manufacturer's standard external weatherproof finish

All highlighted rows are existing fan coil units included to show which units are on the new fan coil units BC controller

Isolators are to be provided to both internal and external units supplied and installed by the electrical services contractor

All interconnecting power (if applicable) and control wiring between the internal and external units is by the specialist AC unit installation contractor, all other associated wiring, including power supplies to condensers, FCU's, BC Controllers and Controller wiring shall be supplied and installed by the electrical services contractor.