Air Conditioning Equipment Schedule - Level 3

Designation	Area Served	Brand /	Model Offered	Туре	Designed Capacity (kW)	Offered Capacity (kW)	Qty	No of Set	Power Input (kW)	Running Current (Amp)	Maximum Circuit (Amp)	Isolator Size (A/Ph)	Qty	Pipe Size Liquid	Pipe Size Gas	Airflow Rate (CMH)	Dimension (HxWxD)	Control Panel Designation	Control Panel Power Requirement
CU-2-9	ROOF	MITSUBISHI	PUCY-EP450YSKD PUCY-P250YKD	VRF - 410A	43.4	50.4	1		5.95	9.50	14.25	32A(3¢)	1	ø 9.52	ø 22.22	10500	1650 x 920 x 740		
			PUCY-P200YKD				1		4.66	7.40	11.10	20A(3φ)	1	ø 9.52	ø 22.22	10500	1650 x 920 x 740		
FCU-9-1		MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE	6.32	7.1	1		0.03	0.36	0.54	13A(1¢)	1	ø 9.52	ø 15.88	1140	258 x 840 x 840		
FCU-9-2 FCU-9-3	03-01 NSMB	MITSUBISHI MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE  4-WAY CEILING CASSETTE	6.32	7.1	1	1	0.03	0.36	0.54	13A(1¢) 13A(1¢)	1 1	ø 9.52 ø 9.52	ø 15.88 ø 15.88	1140 1140	258 x 840 x 840 258 x 840 x 840		
FCU-9-4	US-UT NSMB	MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE	6.32	7.1	1		0.03	0.36	0.54	13A(1φ)	1	ø 9.52	ø 15.88	1140	258 x 840 x 840		
PFCU-9-5	_	MITSUBISHI	PEFY-P125VMHS-E-F	FRESH AIR INTAKE	7.94	14.0	1		0.22	1.43	2.15	13A(1¢)	1	ø 9.52	ø 15.88	1200	380 x 1195 x 900		
FCU-9-6	03-01B Ops OFFICE	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	3.27	3.6	1		0.02	0.23	0.35	13A(1¢)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-9-7	03-02 MEETING ROOM	MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE	7.02	7.1	1		0.03	0.36	0.54	13Α(1φ)	1	ø 9.52	ø 15.88	1140	258 x 840 x 840		
CU-2-10 FCU-10-1	ROOF	MITSUBISHI MITSUBISHI	PUCY-P350YKD PLFY-P63VEM-PA	VRF - 410A 4-WAY CEILING CASSETTE	35.77 6.32	7.1	1		9.66	15.40 0.36	23.10 0.54	32A(3φ) 13A(1φ)	1	ø 12.70 ø 9.52	ø 28.58 ø 15.88	12600 1140	1650 x 1220 x 740 258 x 840 x 840		
FCU-10-2		MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE	6.32	7.1	1		0.03	0.36	0.54	13A(1φ)	1	ø 9.52	ø 15.88	1140	258 x 840 x 840		
FCU-10-3	03-01 NSMB	MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE	6.32	7.1	1	1	0.03	0.36	0.54	13A(1¢)	1	ø 9.52	ø 15.88	1140	258 x 840 x 840		
FCU-10-4		MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE	6.32	7.1	1		0.03	0.36	0.54	13Α(1φ)	1	ø 9.52	ø 15.88	1140	258 x 840 x 840		
FCU-10-5	03-01A HD OFFICER	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	3.49	3.6	1		0.02	0.23	0.35	13Α(1φ)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-10-6	03-02 MEETING ROOM	MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE	7.02	7.1	1		0.03	0.36	0.54	13A(1φ)	1	ø 9.52	ø 15.88	1140	258 x 840 x 840		
OH 2 11	ROOF	MITCHIDICHI	PUCY-P250YKD	VRF - 410A	27.03	28.0	1		5.05	9.50	14.25	32A(3¢)	1	ø 0.52	# 22.22	10500	1650 x 920 x 740		
CU-2-11 FCU-11-1	03-03A OFFICE ROOM	MITSUBISHI MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	27.93	5.6	1		5.95	0.32	0.48	13A(1φ)	1	ø 9.52 ø 6.35	ø 22.22 ø 12.70	10500 1140	258 x 840 x 840		
FCU-11-2	03-03C OFFICE ROOM	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	4.72	5.6	1		0.03	0.32	0.48	13A(1φ)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840 258 x 840 x 840		
FCU-11-3	03-03D OFFICE ROOM	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	5.45	5.6	1	1	0.03	0.32	0.48	13Α(1φ)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
FCU-11-4	03-08 CONFERENCE	MITSUBISHI	PLFY-P80VEM-PA	4-WAY CEILING CASSETTE	8.05	9.0	1		0.05	0.50	0.75	13Α(1φ)	1	ø 9.52	ø 15.88	1380	258 x 840 x 840		
FCU-11-5	03-09 WAITING ROOM	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	4.90	5.6	1		0.03	0.32	0.48	13Α(1φ)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
												70./7.)							
CU-2-12 FCU-12-1	ROOF 03-03 OFFICE	MITSUBISHI MITSUBISHI	PUCY-P350YKD PLFY-P32VFM-E	VRF - 410A 4-WAY CEILING CASSETTE	35.77	40.0	1		9.66	15.40 0.23	23.10 0.35	32A(3φ) 13A(1φ)	1 1	ø 12.70 ø 6.35	ø 28.58 ø 12.70	12600 570	1650 x 1220 x 740 208 x 570 x 570		
FCU-12-1	03-03 OFFICE	MITSUBISHI	PLFY-P63VEM-PA	4-WAY CEILING CASSETTE	6.15	7.1	1		0.02	0.23	0.54	13A(1φ)	1	ø 9.52	ø 12.70	1140	258 x 840 x 840		
FCU-12-3	03-03 OFFICE	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	2.11	3.6	1	1	0.02	0.23	0.35	13A(1¢)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-12-4	03-08 CONFERENCE	MITSUBISHI	PLFY-P80VEM-PA	4-WAY CEILING CASSETTE	8.05	9.0	1		0.05	0.50	0.75	13Α(1φ)	1	ø 9.52	ø 15.88	1380	258 x 840 x 840		
FCU-12-5	03-09 WAITING ROOM	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	4.90	5.6	1		0.03	0.32	0.48	13A(1¢)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
PFCU-12-6	03-03 OFFICE	MITSUBISHI	PEFY-P125VMHS-E-F	FRESH AIR INTAKE	3.47	14.0	1		0.16	0.67	1.01	13Α(1φ)	1	ø 9.52	ø 15.88	1200	380 x 1000 x 900		
CII 2 13	POOF	MITCHIDICUI	PUCY-P550YSKD	VPE 4104	44.80	61.5	1		7.90	12.5	19.75	32A(3¢)	1	d 12.70	# 22.20	10500	1650 × 020 × 740		
CU-2-13	ROOF	MITSUBISHI	PUCY-P300YKD	VRF - 410A	44.80	61.5	1		7.82 5.95	9.50	18.75 14.25	32A(3φ) 32A(3φ)	1	ø 12.70 ø 9.52	ø 22.20 ø 22.22	10500 10500	1650 x 920 x 740		
FCU-13-1	03-04 DTD Branch	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	5.38	5.6	1		0.03	0.32	0.48	13A(1¢)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
FCU-13-2	03-04A Hd DTD	MITSUBISHI	PLFY-P32VEM-PA	4-WAY CEILING CASSETTE	2.93	3.6	1		0.02	0.23	0.35	13Α(1φ)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-13-3	03-05 PLAN Branch	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	2.93	3.6	1	1	0.02	0.23	0.35	13Α(1φ)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-13-4	03-06 OOTW	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	3.23	3.6	1		0.03	0.32	0.48	13Α(1φ)	1	ø 6.35	ø 12.70	570	258 x 840 x 840		
PFCU-13-5	CORRIDOR	MITSUBISHI	PEFY-P200VMHS-E-F	FRESH AIR INTAKE	8.38	22.4	1		0.26	1.66	2.49	13A(1¢)	1	ø 9.52	ø 19.05	1680	470 x 1250 x 1120		
FCU-13-6	03-06A DISCUSSION ROOM	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	4.57	5.6			0.03	0.32	0.48	13A(1¢)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
FCU-13-7 FCU-13-8	03-06B HD CO/I 03-07 ANCILLARY OFFICE	MITSUBISHI MITSUBISHI	PLFY-P32VFM-E PLFY-P100VEM-PA	4-WAY CEILING CASSETTE  4-WAY CEILING CASSETTE	2.93	3.6	1		0.03	0.32	0.48	13A(1φ) 13A(1φ)	1 1	ø 6.35 ø 9.52	ø 12.70 ø 15.88	1140 1740	258 x 840 x 840 298 x 840 x 840		
	33 07 AROLLANCE OFFICE	WITGODIOTII	TELL LOOVEM LY	T WAT GETEING GAGGETTE	10.00	11.2	'		0.07	0.07	1.01	10/1(14)	'	7 3.02	p 10.00	1710	230 % 010 % 010		
CU-2-14	ROOF	MITSUBISHI	PUCY-P350YKD	VRF - 410A	39.41	40.0	1		9.66	15.40	23.10	32A(3¢)	1	ø 12.70	ø 28.58	12600	1650 x 1220 x 740		
FCU-14-1	03-11 DTD Branch	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	2.69	3.6	1		0.02	0.23	0.35	13Α(1φ)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-14-2	03-05 Plans Branch	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	5.19	5.6	1		0.03	0.32	0.48	13Α(1φ)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
FCU-14-3	07.051.00.00	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	3.37	3.6	1		0.02	0.23	0.35	13A(1¢)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-14-4 FCU-14-5	03-05A Hd Plans 03-06 00TW	MITSUBISHI MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE  4-WAY CEILING CASSETTE	5.60	5.6	1	] 1 ]	0.03	0.32	0.48	13A(1φ) 13A(1φ)	1 1	ø 6.35 ø 6.35	ø 12.70 ø 12.70	1140	258 x 840 x 840 258 x 840 x 840		
FCU-14-6	03-06C DY HD OOTW	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	2.91	3.6	1		0.02	0.23	0.35	13A(1φ)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-14-7	03-06D HD OOTW	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	3.60	3.6	1		0.02	0.23	0.35	13A(1¢)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-14-8	03-07 ANCILLARY OFFICE	MITSUBISHI	PLFY-P100VEM-PA	4-WAY CEILING CASSETTE	10.50	11.2	1		0.07	0.67	1.01	13A(1¢)	1	ø 9.52	ø 15.88	1740	298 x 840 x 840		
CU-2-15	ROOF	MITSUBISHI	PUCY-P350YKD	VRF - 410A	29.8	40.0	1		7.82	12.5	18.75	32A(3¢)	1	ø 12.70	ø 22.20	10500	1650 x 920 x 740		
FCU-15-1	03-15 ANCILLARY OFFICE	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	5.05	5.6	1		0.03	0.32	0.48	13A(1¢)	1 1	Ø 6.35	ø 12.70	1140	258 x 840 x 840 208 x 570 x 570		
FCU-15-2 PFCU-15-3	US-15 ANCILLARY OFFICE	MITSUBISHI MITSUBISHI	PLFY-P32VFM-E PEFY-P125VMHS-E-F	4-WAY CEILING CASSETTE  FRESH AIR INTAKE	2.56 7.22	3.6	1		0.02	0.23 1.43	0.35 2.15	13A(1φ) 13A(1φ)	1	ø 6.35 ø 9.52	ø 12.70 ø 15.88	570 1200	380 x 1195 x 900		
FCU-15-4	03-16 DICUSSION ROOM	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	6.65	5.6	1	1	0.03	0.32	0.48	13A(1¢)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
FCU-15-5	03-16 DY HD MP	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	2.85	3.6	1		0.02	0.23	0.35	13A(1¢)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-15-6	03-16 DIV PSYCH	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	2.87	3.6	1		0.02	0.23	0.35	13A(1¢)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-15-7	03-16B INTERVIEW	MITSUBISHI	PLFY-P32VFM-E	4-WAY CEILING CASSETTE	2.42	3.6	1		0.02	0.23	0.35	13A(1¢)	1	ø 6.35	ø 12.70	570	208 x 570 x 570		
CU-2-16 FCU-16-1	ROOF  03-15 ANCILLARY OFFICE	MITSUBISHI MITSUBISHI	PUCY-P200YKD PLFY-P50VEM-PA	VRF - 410A 4-WAY CEILING CASSETTE	22.29 5.05	22.4 5.6	1 1		0.03	7.40 0.32	0.48	20A(3φ) 13A(1φ)	1 1	ø 9.52 ø 6.35	ø 22.22 ø 12.70	10500 1140	1650 x 920 x 740 258 x 840 x 840		
FCU-16-1 FCU-16-2	03-15 ANCILLARY OFFICE	MITSUBISHI	PLFY-P30VEM-PA	4-WAY CEILING CASSETTE	1.47	3.6	1	1	0.03	0.32	0.48	13A(1φ)	1	Ø 6.35	ø 12.70	570	208 x 570 x 570		
FCU-16-3	03-16 MANPOWER BRANCH	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	5.13	5.6	1		0.03	0.36	0.54	13A(1¢)	1	ø 9.52	ø 15.88	1140	258 x 840 x 840		
FCU-16-4	03-16 MANPOWER BRANCH	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	5.13	5.6	1		0.03	0.32	0.48	13Α(1φ)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
FCU-16-5	03-16 HD MP	MITSUBISHI	PLFY-P50VEM-PA	4-WAY CEILING CASSETTE	3.99	5.6	1		0.03	0.32	0.48	13Α(1φ)	1	ø 6.35	ø 12.70	1140	258 x 840 x 840		
OU 2			Burger = 555							.5.77	27.7	70./		2			4050		
CU-2-17A FCU-17A-1	R00F	MITSUBISHI MITSUBISHI	PUCY-P350YKD  PKFY-P100VKM-E	VRF - 410A	35.01 8.79	40.0	1 1		9.66	15.40 0.58	23.10 0.87	32A(3φ) 13A(1φ)	1 1	ø 12.70 ø 9.52	ø 28.58 ø 15.88	12600 1560	1650 x 1220 x 740 365 x 1170 x 295		ACP-BLK 2-L3-01
FCU-17A-1 FCU-17A-2	03-13 NCR 03-12 NCR	MITSUBISHI		WALL MOUNTED  WALL MOUNTED	8.79	11.2	1	1	0.08	0.58	0.87	13A(1φ) 13A(1φ)	1	ø 9.52 ø 9.52	Ø 15.88	1560	365 x 1170 x 295	DUTY	ACP-BLK 2-L3-01 ACP-BLK 2-L3-02
FCU-17A-3	03-11 NCR	MITSUBISHI	PKFY-P100VKM-E	WALL MOUNTED	8.75	11.2	1		0.08	0.58	0.87	13A(1φ)	1	ø 9.52	ø 15.88	1560	365 x 1170 x 295	-	ACP-BLK 2-L3-03
FCU-17A-4	03-14 NCR	MITSUBISHI	PKFY-P100VKM-E	WALL MOUNTED	8.73	11.2	1		0.08	0.58	0.87	13Α(1φ)	1	ø 9.52	ø 15.88	1560	365 x 1170 x 295		ACP-BLK 2-L3-04
		MITSUBISHI	PUCY-P350YKD	VRF - 410A	35.01	40.0	1		9.66	15.40	23.10	32A(3¢)	1	ø 12.70	ø 28.58	12600	1650 x 1220 x 740		
CU-2-17B	ROOF								1								1	i contraction of the contraction	I.
FCU-17B-1	03-13 NCR	MITSUBISHI	PKFY-P100VKM-E	WALL MOUNTED	8.79	11.2	1		0.08	0.58	0.87	13A(1¢)	1	ø 9.52	ø 15.88	1560	365 x 1170 x 295		
		MITSUBISHI MITSUBISHI	PKFY-P100VKM-E  PKFY-P100VKM-E  PKFY-P100VKM-E	WALL MOUNTED  WALL MOUNTED  WALL MOUNTED	8.79 8.75 8.75	11.2 11.2	1 1	1	0.08	0.58 0.58 0.58	0.87 0.87 0.87	13A(1¢) 13A(1¢) 13A(1¢)	1 1	ø 9.52 ø 9.52 ø 9.52	ø 15.88 ø 15.88	1560 1560 1560	365 x 1170 x 295 365 x 1170 x 295 365 x 1170 x 295	STANDBY	

M&E CONSULTANTS Pdc Consultants Pte Ltd

DATE RETURNED: □ NO EXCEPTION TAKEN □ MAKE CORRECTIONS NOTED PRIOR TO GENERAL USE

RECEIVED BY:

☐ TO REVISE & RESUBMIT ☐ REJECTED & RESUBMIT

SIGNATURE:

DATE RECEIVED:

\* WHERE RESUBMISSION IS REQUIRED, SUBMIT REVISED DRAWINGS FOR REVIEW PRIOR TO PROCEEDING WITH WORK • This review is for general arrangement only and does not extend to dimensions of setting out of the works and does not release the contractor of his responsibilities to ensure full compliance THIS REVIEW DOES NOT RELEASE THE CONTRACTOR OF HIS RESPONSIBILITIES TO ENSURE WORKS IN COMPLIANCE TO CONTRACT SPECIFICATION, OTHER DRAWINGS AND STATUTORY REQUIREMENT HAVING JURISDICTION OVER THE INSTALLATION. **AS-BUILT DRAWING** 

Project Ref. No.: A2105-00599-2022





PEH SEOH CHIN HCD (Army Camps)

D&B Main Contractor:



DEENN ENGINEERING PTE LTD

29 Harrison Road, Lian Beng Building , Singapore 369648

EDMUND TEO KUAN WEI

Senior Programme Manager

TEL. No.6283 1468 FAX No. 6280 9360 e-mail : lianbengconstn@pacific.net.sg Website: www.lianbeng.com.sg

Architect:

## ID ARCHITECTS PTE LTD

3 HarbourFront Place, #03-01, HarbourFront Tower Two, Singapore 099254 Tel:6225 6011 general@idarchitects.com.sg www.idarchitects.com.sg



Structure:

TW—ASIA Consultants Pte Ltd NO. 28 SIN MING LANE #04-137 MIDVIEW CITY SINGAPORE 573972 TEL : 62916292 FAX : 62932196

#### M&E Consultant:



Pdcconsultants Pte Ltd

23 New Industrial Road #06-03 Solstice Business Center Singapore 536209 t: 6444 7748 f: 6444 7141 e: contact@pdcengrs.com

### Sub Contractor:



INTAC SYSTEMS SOLUTION PTE LTD BLOCK 1 KAKI BUKIT AVENUE 3 #04-03 KB-1, SINGAPORE 416087 Tel: +65 6842 7318 Fax: +65 6842 7319 Email: intacss@intacss.com.sg

Project No.: D2019-00162

# Project Title:

PROPOSED ADDITIONS OF 1 BLOCK OF 3-STOREY OFFICE BUILDING (BLK 2), 1 BLOCK OF 6-STOREY ACCOMMODATION BUILDING (BLK 3), 1 BLOCK OF 4-STOREY ACCOMMODATION BUILDING (BLK 4), 1 BLOCK OF 2-STOREY TRAINING MULTIPLEX (BLK 9), 1 BLOCK OF MSVS (BLK 10), AND ANCILLARY FACILITIES (BLK 5, 6 & 8) TO EXISTING DIEPPE BARRACK ON LOT 05019M MK13 AT SEMBAWANG ROAD (MANDAI PLANNING AREA)

#### Drawing title:

BLOCK 2 - ACMV EQUIPMENT SCHEDULE-03

	Initial	Date											
Drawn	MS	30/12/24	Scale	NTS									
Checked	HK	30/12/24	Software	CAD									
Drawing no.:				Revision no.:									

D2019-00162/ISS/ACMV-BLK 2-07

THIS DRAWING IS COPYRIGHT

THIS DRAWING IS THE PROPERTY OF DSTA. IF FOUND, PLEASE RETURN TO DSTA BUILDING AND INFRASTRUCTURE PROGRAMME CENTRE, 1 DEPOT ROAD, SINGAPORE 109679.
REPRODUCTION OF DRAWING WITHOUT THE WRITTEN PERMISSION OF DSTA BI IS STRICTLY PROHIBITED. ANY UNAUTHORIZED REPRODUCTION OR POSSESSION

SHALL BE DEALT WITH UNDER THE OFFICIAL SECRETS ACT.