

EQUIPMENT SCHEDULE
VQ3 - FAN COIL UNIT (FCU) W/ MATCHING VARIABLE REFRIGERANT VOLUME (VRV)

SIRAS/UNIT	VARIABLE REFRIGERANT VOLUME (VRV)										FAN COIL UNIT (FCU)										REMARKS						
	TOTAL COOLING CAP (RTON)	LOADING CAP (RTON)	LOCATION	MODEL	QTY	CONDENSING CAP (RTON)	REFRIGERANT TYPE	PIPE CONNECTIONS (L/S)	ELECTRICAL DATA (V/F/PH/Hz)	ER	STATUS/UNIT	LOCATION	QTY	TOTAL COOLING CAP (RTON)	LOADING CAP (RTON)	MODEL TYPE	AIR FLOW RATE (CFM)	EAC (HP)	PIPE CONNECTIONS (L/S)	ELECTRICAL DATA (V/F/PH/Hz)		ER	BASE OF DESIGN MODEL				
VQ3/VRV-1	22.0 / 17.0	8TH FLOOR	DAKIN FFC025AM	1	28.0(12.0) / 35.000(8.0)	R-410A	9.50A	22.20A	6.84	380	3	60	13.96	VQ3/FCU-2	VP LOBBY	1	7.12(4.0) / 24.200(2.0)	4-WAY CEILING CASSETTE FREE BLOW	750	-	9.50A	15.90A	0.063	220	1	60	DAKIN FFC025AM
			DAKIN FFC025AM	1	33.5(12.0) / 114.000(9.0)	R-410A	12.70A	28.60A	8.70	380	3	60	13.10	VQ3/FCU-4	VP CAFETERIA	1	11.2(4.0) / 38.200(3.0)	4-WAY CEILING CASSETTE FREE BLOW	1200	-	9.50A	15.90A	0.158	220	1	60	DAKIN FFC025AM
VQ3/VRV-2	8.0 / 7.0	8TH FLOOR	DAKIN FFC025AM	1	22.4(8.0) / 76.400(6.0)	R-410A	9.50A	19.10A	5.17	380	3	60	14.78	VQ3/FCU-5	VP CAFETERIA FUNCTION ROOM	3	14.0(3.0) / 47.800(4.0)	4-WAY CEILING CASSETTE FREE BLOW	1500	-	9.50A	15.90A	0.178	220	1	60	DAKIN FFC025AM
			DAKIN FFC025AM	1	11.2(4.0) / 38.200(3.0)	R-410A	12.70A	28.60A	8.70	380	3	60	13.10	VQ3/FCU-4	VP CAFETERIA	1	11.2(4.0) / 38.200(3.0)	4-WAY CEILING CASSETTE FREE BLOW	1200	-	9.50A	15.90A	0.158	220	1	60	DAKIN FFC025AM
VQ3/VRV-3	36.0 / 28.0	8TH FLOOR	DAKIN FFC025AM	2	50.0(18.0) / 171.000(14.0)	R-410A	15.90A	28.60A	15.30	380	3	60	11.18	VQ3/FCU-5	SERVER ROOM	3	14.0(3.0) / 47.800(4.0)	4-WAY CEILING CASSETTE FREE BLOW	1500	-	9.50A	15.90A	0.178	220	1	60	DAKIN FFC025AM
			DAKIN FFC025AM	1	7.12(4.0) / 24.200(2.0)	R-410A	9.50A	19.10A	5.17	380	3	60	14.78	VQ3/FCU-4	EMPLOYEE'S OFFICE	2	11.2(4.0) / 38.200(3.0)	4-WAY CEILING CASSETTE FREE BLOW	1200	-	9.50A	15.90A	0.158	220	1	60	DAKIN FFC025AM
VQ3/VRV-4	8.0 / 6.0	8TH FLOOR	DAKIN FFC025AM	1	22.4(8.0) / 76.400(6.0)	R-410A	9.50A	19.10A	5.17	380	3	60	14.78	VQ3/FCU-8	F. TOILET	1	9.4(2.0) / 18.100(1.5)	WALL MOUNTED FREE BLOW	600	-	8.40A	12.70A	0.033	220	1	60	DAKIN FFC025AM
			DAKIN FFC025AM	1	33.5(12.0) / 114.000(9.0)	R-410A	12.70A	28.60A	8.70	380	3	60	13.10	VQ3/FCU-5	SERVER ROOM	3	14.0(3.0) / 47.800(4.0)	4-WAY CEILING CASSETTE FREE BLOW	1500	-	9.50A	15.90A	0.178	220	1	60	DAKIN FFC025AM
VQ3/VRV-5	12.0 / 9.5	8TH FLOOR	DAKIN FFC025AM	1	33.5(12.0) / 114.000(9.0)	R-410A	12.70A	28.60A	8.70	380	3	60	13.10	VQ3/FCU-8	M. TOILET	1	9.4(2.0) / 18.100(1.5)	WALL MOUNTED FREE BLOW	600	-	8.40A	12.70A	0.033	220	1	60	DAKIN FFC025AM
			DAKIN FFC025AM	1	45.0(14.0) / 136.000(11.0)	R-410A	12.70A	28.60A	10.70	380	3	60	12.71	VQ3/FCU-7	DAY CARE CENTER	1	11.2(4.0) / 38.200(3.0)	CEILING SUSPENDED FREE BLOW	1200	-	9.50A	15.90A	0.189	220	1	60	DAKIN FFC025AM
VQ3/VRV-6	26.0 / 21.0	8TH FLOOR	DAKIN FFC025AM	1	45.0(14.0) / 136.000(11.0)	R-410A	12.70A	28.60A	10.70	380	3	60	12.71	VQ3/FCU-5	VP LOBBY AREA	4	14.0(3.0) / 47.800(4.0)	4-WAY CEILING CASSETTE FREE BLOW	1500	-	9.50A	15.90A	0.178	220	1	60	DAKIN FFC025AM
			DAKIN FFC025AM	1	11.2(4.0) / 38.200(3.0)	R-410A	9.50A	19.10A	5.17	380	3	60	14.78	VQ3/FCU-8	F. TOILET	1	9.4(2.0) / 18.100(1.5)	WALL MOUNTED FREE BLOW	600	-	8.40A	12.70A	0.033	220	1	60	DAKIN FFC025AM

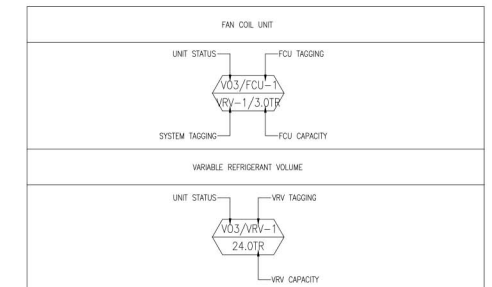
ADD - FAN COIL UNIT (FCU) W/ MATCHING VARIABLE REFRIGERANT VOLUME (VRV)

SIRAS/UNIT	VARIABLE REFRIGERANT VOLUME (VRV)										FAN COIL UNIT (FCU)										REMARKS						
	TOTAL COOLING CAP (RTON)	LOADING CAP (RTON)	LOCATION	MODEL	QTY	CONDENSING CAP (RTON)	REFRIGERANT TYPE	PIPE CONNECTIONS (L/S)	ELECTRICAL DATA (V/F/PH/Hz)	ER	STATUS/UNIT	LOCATION	QTY	TOTAL COOLING CAP (RTON)	LOADING CAP (RTON)	MODEL TYPE	AIR FLOW RATE (CFM)	EAC (HP)	PIPE CONNECTIONS (L/S)	ELECTRICAL DATA (V/F/PH/Hz)		ER	BASE OF DESIGN MODEL				
VQ3/VRV-7	18.0 / 12.0	6TH FLOOR	DAKIN FFC015AM	1	45.0(16.0) / 154.000(13.0)	R-410A	12.70A	28.60A	12.90	380	3	60	11.94	ADD/FCU-13	7F HALLWAY	4	3.4(1.5) / 12.300(1.20)	2-WAY CEILING CASSETTE FREE BLOW	600	-	6.40A	12.70A	0.039	220	1	60	DAKIN FFC015AM
VQ3/VRV-8	18.0 / 13.8	6TH FLOOR	DAKIN FFC015AM	1	50.0(18.0) / 171.000(14.0)	R-410A	15.90A	28.60A	15.30	380	3	60	11.18	ADD/FCU-10	LACUNATING AREA	1	3.2(1.5) / 7.5000(0.40)	WALL MOUNTED FREE BLOW	225	-	6.40A	12.70A	0.019	220	1	60	DAKIN FFC015AM
VQ3/VRV-9	18.0 / 13.8	6TH FLOOR	DAKIN FFC015AM	1	50.0(18.0) / 171.000(14.0)	R-410A	15.90A	28.60A	15.30	380	3	60	11.18	ADD/FCU-12	EMPLOYEE'S OFFICE	3	4.5(1.5) / 15.400(1.20)	WALL MOUNTED FREE BLOW	450	-	6.40A	12.70A	0.030	220	1	60	DAKIN FFC015AM
VQ3/VRV-10	18.0 / 13.8	6TH FLOOR	DAKIN FFC015AM	1	50.0(18.0) / 171.000(14.0)	R-410A	15.90A	28.60A	15.30	380	3	60	11.18	ADD/FCU-9	M. TOILET / F. CHANGING RM.	2	9.4(2.0) / 18.100(1.5)	WALL MOUNTED FREE BLOW	600	-	8.40A	12.70A	0.033	220	1	60	DAKIN FFC015AM
VQ3/VRV-11	18.0 / 13.8	6TH FLOOR	DAKIN FFC015AM	1	50.0(18.0) / 171.000(14.0)	R-410A	15.90A	28.60A	15.30	380	3	60	11.18	ADD/FCU-11	RECREATION AREA	1	7.12(3.0) / 24.200(2.0)	WALL MOUNTED FREE BLOW	750	-	9.50A	15.90A	0.050	220	1	60	DAKIN FFC015AM

VENTILATING FANS

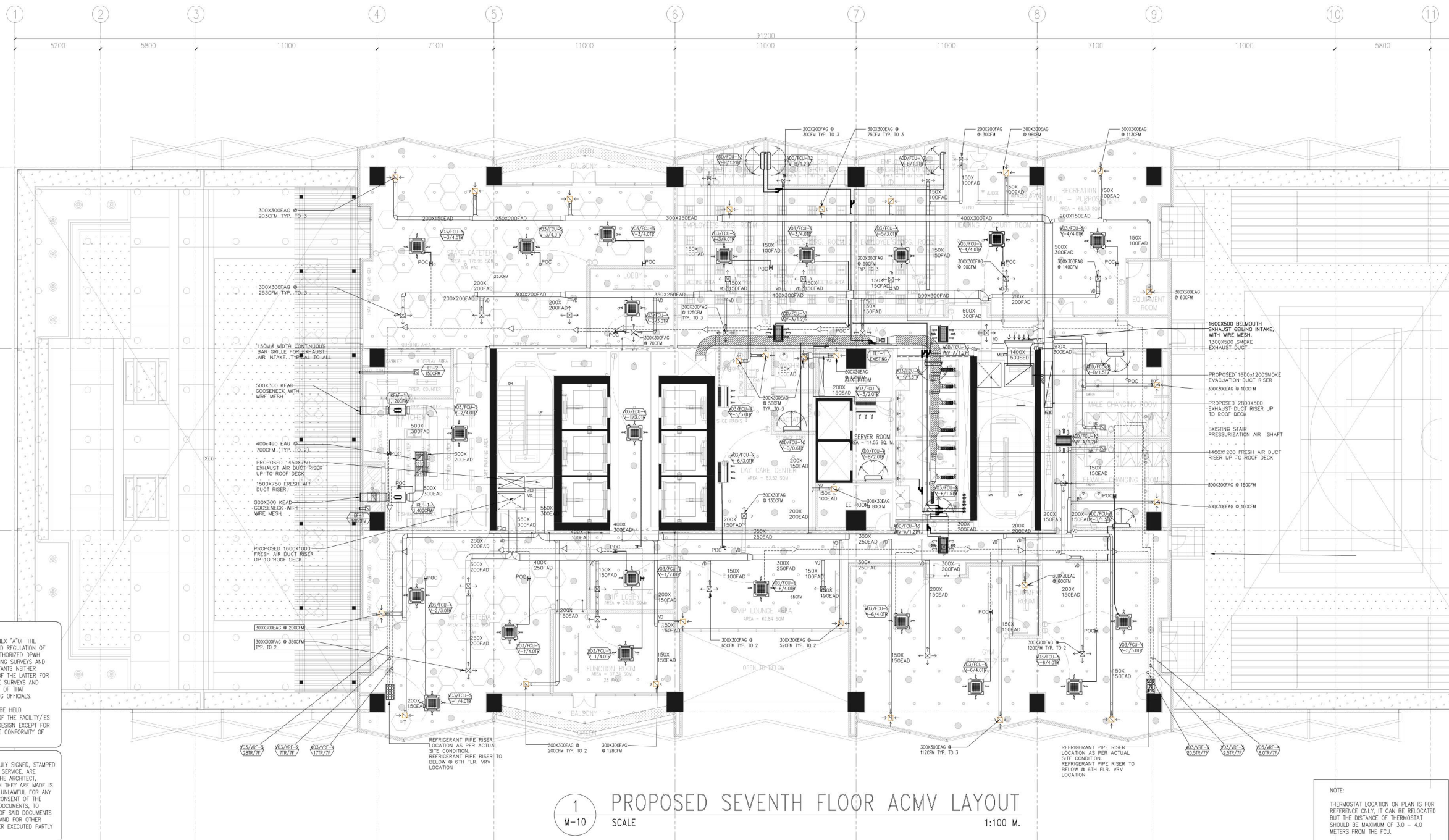
UNIT DESIGNATION	AREA SERVED	QTY	HP FLOW (CFM)	TYPE	TOTAL STATIC PRESSURE (IN. WG)	OUTLET NOISE (DB)	MOTOR/FAH (HP)	MOTOR TYPE	MOTOR EFFICIENCY (%)	ELECTRICAL CONNECTIONS (V/F/PH/Hz)	ER	REMARKS
ADD-VF-1	KITCHEN	1	1400	CENTRIFUGAL PLANE FAN CABINET TYPE	300	7.34	0.50	BELT DRIVE	85.5	220	1	60
ADD-VF-2	KITCHEN	1	1120	CENTRIFUGAL PLANE FAN CABINET TYPE	250	7.34	0.50	BELT DRIVE	85.5	220	1	60
VQ3-VF-1	COMMON TOILET	1	2100	AXIAL FAN WITH BACKWARD CURVE	30	-	0.08	DIRECT DRIVE	-	220	3	60
ADD-VF-3	PREPARATION AREA	1	100	CEILING CASSETTE	65	-	0.10	DIRECT DRIVE	85.5	220	1	60
ADD-VF-2	OFFICE	1	100	CEILING CASSETTE	65	-	0.10	DIRECT DRIVE	85.5	220	1	60

TAGGING DESCRIPTION:



LEGEND AND SYMBOLS/ABBREVIATION:

SYMBOLS	DESCRIPTION
[Symbol]	4-WAY CEILING CASSETTE TYPE FREEBLOW
[Symbol]	2-WAY CEILING CASSETTE TYPE FREEBLOW
[Symbol]	WALL MOUNTED TYPE FREEBLOW
[Symbol]	CEILING SUSPENDED TYPE FREEBLOW
[Symbol]	NEW REFRIGERANT PIPE
[Symbol]	NEW REFRIGERANT PIPE RISER
[Symbol]	NEW REFNET JOINT
[Symbol]	EXISTING REFRIGERANT PIPE
[Symbol]	EXISTING REFNET JOINT
[Symbol]	THERMOSTAT
[Symbol]	EXISTING EXHAUST AIR FAN
[Symbol]	EXISTING EXHAUST AIR DUCT
[Symbol]	EXISTING EXHAUST AIR GRILLE
[Symbol]	EXISTING FLEXIBLE EXHAUST AIR DUCT
[Symbol]	NEW FRESH AIR DUCT RISER
[Symbol]	NEW EXHAUST AIR DUCT RISER
[Symbol]	MOTORIZED VOLUME DAMPER
[Symbol]	VOLUME DAMPER
[Symbol]	NEW FRESH AND EXHAUST AIR DUCT
[Symbol]	NEW EXHAUST AIR GRILLE
[Symbol]	NEW FRESH AIR GRILLE
[Symbol]	NEW SMOKE CEILING EXHAUST AIR GRILLE
[Symbol]	NEW SMOKE CEILING EXHAUST BELLMOUTH GRILLE
ABBREVIATION	DESCRIPTION
SQ.M	SQUARE METER
CFM	CUBIC FEET PER MINUTE
MM	MILLIMETER
KW	KILOWATT
KG	KILOGRAM
Ø (φ)	DIAMETER
QTY.	QUANTITY
TSP	TOTAL STATIC PRESSURE
Pa	PASCAL
V/PH/Hz	VOLTS/PHASE/HERTZ
FCU	FAN COIL UNIT
EAG	EXHAUST AIR GRILLE
FAG	FRESH AIR GRILLE
EAD	EXHAUST AIR DUCT
FAD	FRESH AIR DUCT
SAD	SUPPLY AIR DUCT
RAD	RETURN AIR DUCT
PAD	PRESSURIZATION AIR DUCT
SCD	SUPPLY CEILING DIFFUSER
LD	LOUVER DOOR



NOTE:
PURSUANT TO SECTION 4 OF ANNEX "A" OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 9164, APPROVAL BY THE AUTHORIZED DPWH OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGN UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATTER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.
THE DESIGN CONSULTANT SHALL BE HELD RESPONSIBLE FOR THE FAILURE OF THE FACILITY/ES / STRUCTURES DUE TO FAULTY DESIGN EXCEPT FOR THE CHANGES MADE WITHOUT THE CONFORMITY OF THE CONSULTANTS.

DRAWINGS AND SPECIFICATIONS DULY SIGNED, STAMPED OR SEALED, AS INSTRUMENTS OF SERVICE, ARE PROPERTY AND DOCUMENTS OF THE ARCHITECT, WHETHER THE OBJECT FOR WHICH THEY ARE MADE IS EXECUTED OR NOT. IT SHALL BE UNLAWFUL FOR ANY PERSON, WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT OR AUTHOR OF SAID DOCUMENTS, TO DUPLICATE OR TO MAKE COPIES OF SAID DOCUMENTS FOR USE IN THE REPEITION OF AND FOR OTHER PROJECTS OR BUILDINGS, WHETHER EXECUTED PARTLY OR IN WHOLE.

1 PROPOSED SEVENTH FLOOR ACMV LAYOUT
SCALE: M-10
1:100 M.

NOTE:
THERMOSTAT LOCATION ON PLAN IS FOR REFERENCE ONLY, IT CAN BE RELOCATED BUT THE DISTANCE OF THERMOSTAT SHOULD BE MAXIMUM OF 3.0 - 4.0 METERS FROM THE FCU.