

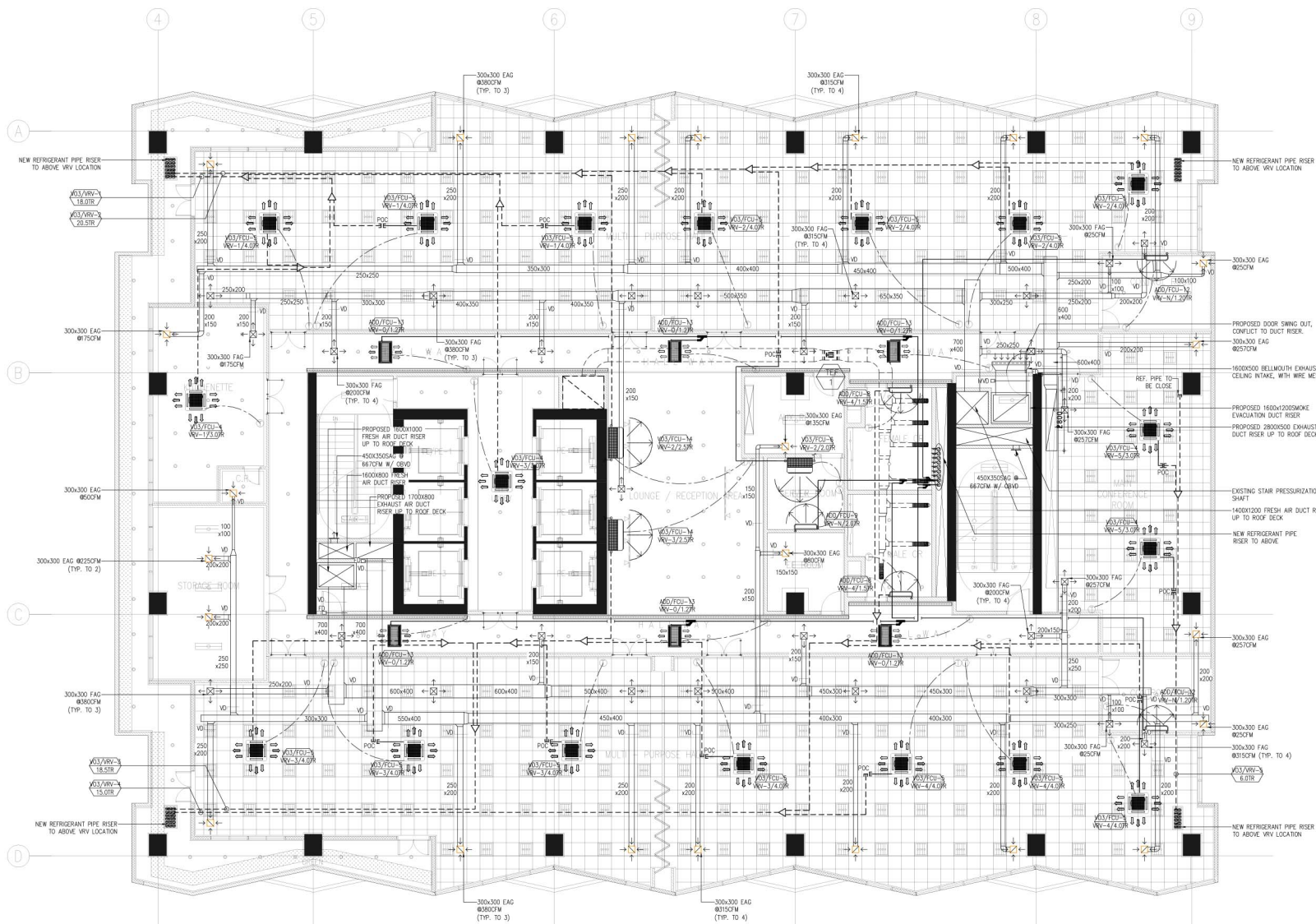
EQUIPMENT SCHEDULE

VO3 - FAN COIL UNIT (FCU) W/ MATCHING VARIABLE REFRIGERANT VOLUME (VRV)

STATUS/UNIT	VARIABLE REFRIGERANT VOLUME (VRV)										FAN COIL UNIT (FCU)										REMARKS
	TOTAL COOLING CAP. (HP)/(TR)	LOCATION	AREA SERVE	MODEL PER CAPACITY	QTY.	COMBINATION PER COOLING CAP. KW(HP) / BTUH(TR)	REFRIGERANT TYPE	PIPING CONNECTIONS LIQUID (MM) GAS (MM) INPUT (KW)	ELECTRICAL DATA VOLT PHASE HERTZ	CER	STATUS/UNIT	LOCATION	QTY.	TOTAL COOLING CAP. KW(HP) / BTUH(TR)	MODEL TYPE	AIR FLOW RATE (CFM)	E.S.P. (Pa)	PIPING CONNECTIONS LIQUID (MM) GAS (MM) INPUT (KW)	ELECTRICAL DATA VOLT PHASE HERTZ	BASIS OF DESIGN (MODEL)	
VO3/VRV-1	22.0/18.0	ROOF DECK	24TH FLOOR	DAIKIN RXQ12AYM	1	33.5(12.0) / 114,000(9.50)	R-410A	12.70# 28.60# 8.70	380 3 60	13.10	VO3/FCU-5	24TH FLOOR	3	14.0(5.0) / 47,800(4.0)	4-WAY CEILING CASSETTE FREE BLOW	1500	-	9.50# 15.90# 0.178	220 1 60	DAIKIN FXFQ125AVM	UNIT IS DAIKIN BRAND OR APPROVED EQUAL
				DAIKIN RXQ10AYM	1	28.0(10.0) / 95,500(8.0)	R-410A	9.50# 22.20# 6.84	380 3 60	13.96	VO3/FCU-4	24TH FLOOR	2	11.2(4.0) / 38,200(3.0)	4-WAY CEILING CASSETTE FREE BLOW	1200	-	9.50# 15.90# 0.158	220 1 60	DAIKIN FXFQ100AVM	
VO3/VRV-2	26.0/20.5	ROOF DECK	24TH FLOOR	DAIKIN RXQ14AYM	1	40.0(14.0) / 136,000(11.50)	R-410A	12.70# 28.60# 10.70	380 3 60	12.71	VO3/FCU-14	24TH FLOOR	1	11.2(4.0) / 38,200(2.5)	CEILING SUSPENDED FREE BLOW	1200	-	9.50# 15.90# 0.199	220 1 60	DAIKIN FXHQ100MAVE	
				DAIKIN RXQ12AYM	1	33.5(12.0) / 114,000(9.50)	R-410A	12.70# 28.60# 8.70	380 3 60	13.10	VO3/FCU-5	24TH FLOOR	4	14.0(5.0) / 47,800(4.0)	4-WAY CEILING CASSETTE FREE BLOW	1500	-	9.50# 15.90# 0.178	220 1 60	DAIKIN FXFQ125AVM	
VO3/VRV-3	24.0/18.5	ROOF DECK	24TH FLOOR	DAIKIN RXQ12AYM	1	33.5(12.0) / 114,000(9.50)	R-410A	12.70# 28.60# 8.70	380 3 60	13.10	VO3/FCU-6	24TH FLOOR	1	7.1(2.5) / 24,200(2.0)	CEILING SUSPENDED FREE BLOW	750	-	9.50# 15.90# 0.145	220 1 60	DAIKIN FXHQ63MAVE	
				DAIKIN RXQ12AYM	1	33.5(12.0) / 114,000(9.50)	R-410A	12.70# 28.60# 8.70	380 3 60	13.10	VO3/FCU-5	24TH FLOOR	4	14.0(5.0) / 47,800(4.0)	4-WAY CEILING CASSETTE FREE BLOW	1500	-	9.50# 15.90# 0.178	220 1 60	DAIKIN FXFQ125AVM	
VO3/VRV-4	20.0/15.0	ROOF DECK	24TH FLOOR	DAIKIN RXQ20AYM	1	56.0(20.0) / 191,000(16.0)	R-410A	15.90# 28.60# 17.70	380 3 60	10.79	VO3/FCU-14	24TH FLOOR	1	11.2(4.0) / 38,200(2.5)	CEILING SUSPENDED FREE BLOW	1200	-	9.50# 15.90# 0.199	220 1 60	DAIKIN FXHQ100MAVE	
				DAIKIN RXQ20AYM	1	56.0(20.0) / 191,000(16.0)	R-410A	15.90# 28.60# 17.70	380 3 60	10.79	VO3/FCU-5	24TH FLOOR	3	14.0(5.0) / 47,800(4.0)	4-WAY CEILING CASSETTE FREE BLOW	1500	-	9.50# 15.90# 0.178	220 1 60	DAIKIN FXFQ125AVM	
VO3/VRV-5	8.0/6.0	ROOF DECK	24TH FLOOR	DAIKIN RXQ8AYM	1	22.4(8.0) / 76,400(6.0)	R-410A	9.50# 19.10# 5.17	380 3 60	14.78	VO3/FCU-8	24TH FLOOR	2	5.6(2.0) / 19,100(1.5)	WALL MOUNTED FREE BLOW	600	-	6.40# 12.70# 0.033	220 1 60	DAIKIN FXAQ50PVE	
				DAIKIN RXQ8AYM	1	22.4(8.0) / 76,400(6.0)	R-410A	9.50# 19.10# 5.17	380 3 60	14.78	VO3/FCU-4	24TH FLOOR	2	11.2(4.0) / 38,200(3.0)	4-WAY CEILING CASSETTE FREE BLOW	1200	-	9.50# 15.90# 0.158	220 1 60	DAIKIN FXFQ100AVM	

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

STATUS/UNIT	VARIABLE REFRIGERANT VOLUME (VRV)			FAN COIL UNIT (FCU)										REMARKS
	TOTAL COOLING CAP. (HP)/(TR)	LOCATION	AREA SERVE	STATUS/UNIT	LOCATION	QTY.	TOTAL COOLING CAP. KW(HP) / BTUH(TR)	MODEL TYPE	AIR FLOW RATE (CFM)	E.S.P. (Pa)	PIPING CONNECTIONS LIQUID (MM) GAS (MM) INPUT (KW)	ELECTRICAL DATA VOLT PHASE HERTZ	BASIS OF DESIGN (MODEL)	
VO3/VRV-0	20.0/15.0	ROOF DECK	23F HALLWAY 24F HALLWAY	ADD/FCU-13	24F HALLWAY	6	3.6(1.5) / 12,300(1.20)	2-WAY CEILING CASSETTE FREE BLOW	600	-	6.40# 12.70# 0.039	220 1 60	DAIKIN FXQ32AVM	UNIT IS DAIKIN BRAND OR APPROVED EQUAL
ADD/VRV-N	16.0/13.1	ROOF DECK	22F OFFICE 24F OFFICE	ADD/FCU-9	24TH FLOOR	1	7.1(2.5) / 24,200(2.0)	WALL MOUNTED FREE BLOW	750	-	9.50# 15.90# 0.050	220 1 60	DAIKIN FXAQ63PVE	
				ADD/FCU-12	24TH FLOOR	2	4.5 (1.5) / 15,400(1.20)	WALL MOUNTED FREE BLOW	450	-	6.40# 12.70# 0.020	220 1 60	DAIKIN FXAQ40PVE	

1 24TH FLOOR ACMV LAYOUT
M-26 SCALE 1:100 M.

NOTE:
PURSUANT TO SECTION 4 OF ANNEX "A" OF THE REVISED IMPLEMENTING RULES AND REGULATION OF R.A. 5184, APPROVAL BY THE AUTHORIZED DPWH OFFICIALS OF DETAILED ENGINEERING SURVEYS AND DESIGN UNDERTAKEN BY CONSULTANTS NEITHER DIMINISHES THE RESPONSIBILITY OF THE LATER FOR THE TECHNICAL INTEGRITY OF THE SURVEYS AND DESIGN NOR TRANSFER ANY PART OF THAT RESPONSIBILITY TO THE APPROVING OFFICIALS.

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PROJECT:
CONSTRUCTION OF FIT-OUT AND LANDSCAPE WORKS FOR THE
TWENTY-THREE (23) STOREY PHILIPPINE STATISTICS AUTHORITY (PSA)
OFFICE BUILDING WITH COVERED ROOF DECK
LOCATION: PSA COMPLEX, EAST AVENUE, DILIMAN, QUEZON CITY

SHEET CONTENT
PROPOSED 24TH FLR. ACMV LAYOUT
EQUIPMENT SCHEDULE
LEGEND & SYMBOLS/ABBREVIATION

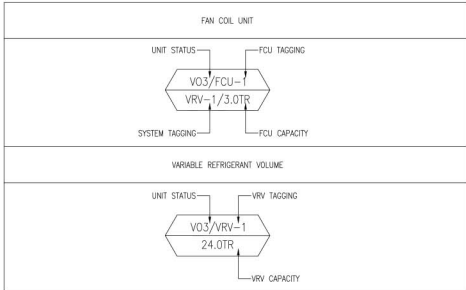
DESIGNER : RTM
CAD : Jva / RM
CHECKED : RTM
DATE : FEB. 2022

REVISIONS
SYMBOL REMARK DATE
M-26

ROOF DECK
VENTILATING FANS

UNIT DESIGNATION	AREA SERVED	QTY.	AIR FLOW (CFM)	TYPE	TOTAL STATIC PRESSURE (Pa)	OUTLET VELOCITY (m/s)	MOTOR/MAX POWER INPUT (kW)	MOTOR TYPE	MOTOR EFFICIENCY (%)	ELECTRICAL CHARACTERISTICS			REMARKS
										VOLTS	PHASE	HERTZ	
SEF-1	7TH FLOOR TO 24TH FLOOR	1	45,000	DIDW CENTRIFUGAL FAN BACKWARD CURVED	750	13.25	30.0	BELT DRIVE	94.1	380	3	60	NEW EQUIPMENT UNDER PHASE 2 DESIGN, UNIT ISA BASE ON KRUGER, NICOTRA & NIAGARA WITH COMPLETE ACCESSORIES
SPF-1	GROUND FLOOR 24TH FLOOR	2	16,000	DIDW CENTRIFUGAL FAN BACKWARD CURVED	250	—	4.17	BELT DRIVE	91.7	380	3	60	
EPF-1	ELEVATOR FIREMANS LIFT	1	16,000	DIDW CENTRIFUGAL FAN BACKWARD CURVED	250	—	4.17	BELT DRIVE	91.7	380	3	60	

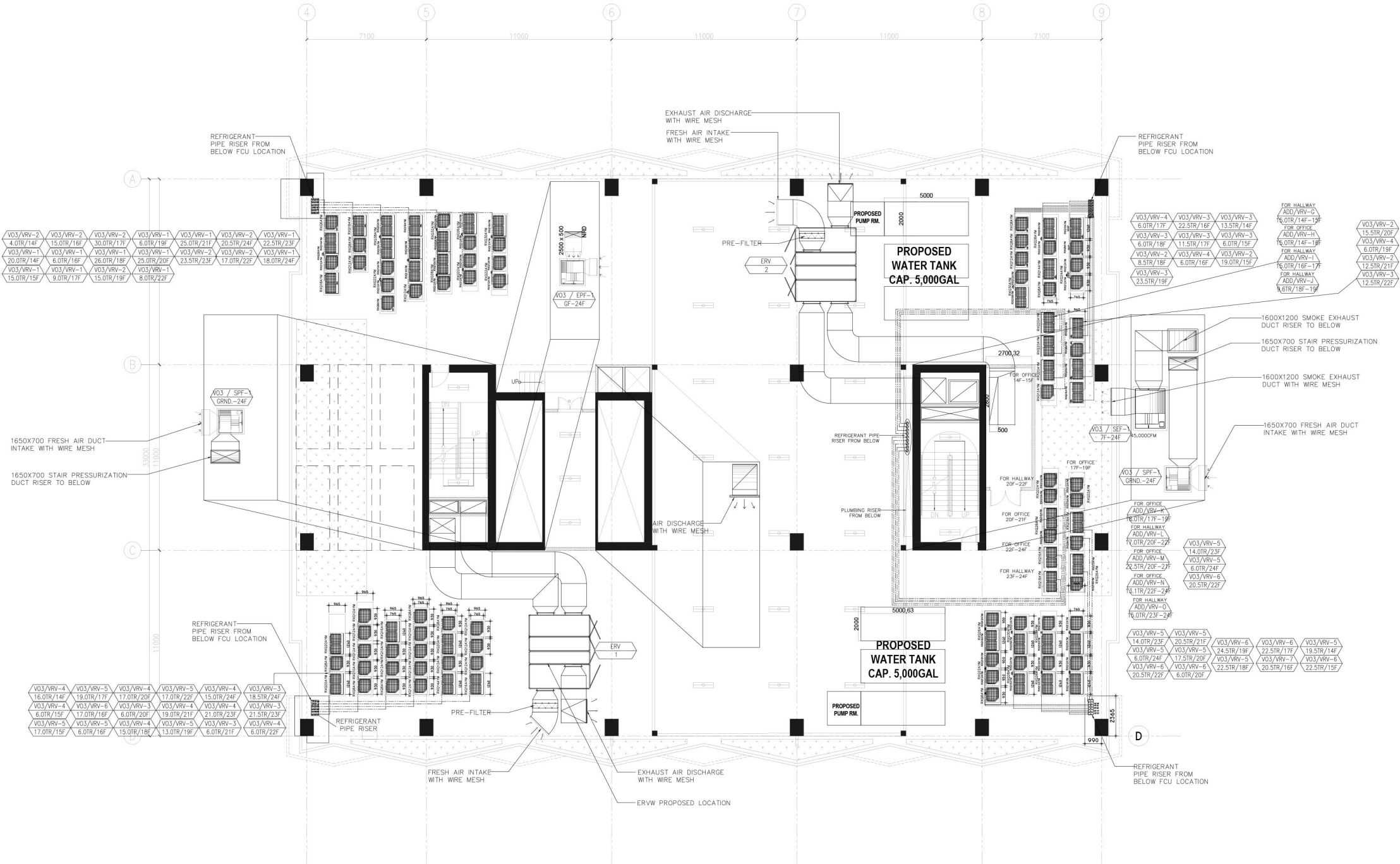
TAGGING DESCRIPTION:



LEGEND AND SYMBOLS/ABBREVIATION:

SYMBOLS	DESCRIPTION
	4-WAY CEILING CASSETTE TYPE FREEBLOW
	2-WAY CEILING CASSETTE TYPE FREEBLOW
	WALL MOUNTED TYPE FREEBLOW
	CEILING SUSPENDED TYPE FREEBLOW
	NEW REFRIGERANT PIPE
	NEW REFRIGERANT PIPE RISER
	NEW REFNET JOINT
	EXISTING REFRIGERANT PIPE
	EXISTING REFNET JOINT
	EXISTING EXHAUST AIR FAN
	EXISTING EXHAUST AIR DUCT
	EXISTING EXHAUST AIR GRILLE
	EXISTING FLEXIBLE EXHAUST AIR DUCT
	NEW FRESH AIR DUCT RISER
	NEW EXHAUST AIR DUCT RISER
	MOTORIZED VOLUME DAMPER
	VOLUME DAMPER
	NEW FRESH AND EXHAUST AIR DUCT
	NEW EXHAUST AIR GRILLE
	NEW FRESH AIR GRILLE
	NEW SMOKE CEILING EXHAUST AIR GRILLE
	NEW SMOKE CEILING EXHAUST BELLMOUTH GRILLE

ABBREVIATION	DESCRIPTION
SQ.M	SQUARE METER
CFM	CUBIC FEET PER METER
MM	MILLIMETER
KW	KILOWATT
KG	KILOGRAM
DIA. (ø)	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



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1 ROOF DECK ACMV LAYOUT
M-27 SCALE 1:100 M.