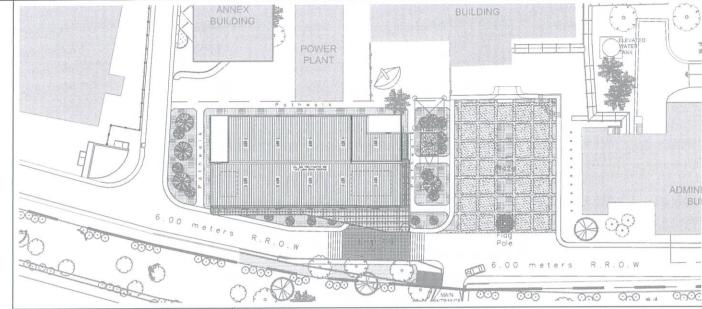


GENERAL NOTES:

- ALL MECHANICAL WORKS SHALL BE DONE IN ACCORDANCE WITH THE LATEST REQUIREMENT IN THE PHILIPPINE MECHANICAL CODE. PSME, ASME, ASHRAE, SMACNA, AND OTHER STANDARDS.
- ALL MECHANICAL DRAWINGS SHALL BE READ IN CONJUNCTION WITH GENERAL NOTES, SPECIFICATIONS, MISCELLANEOUS DETAILS AND ARCHITECTURAL, STRUCTURAL AND ELECTRICAL FINAL DESIGN DRAWINGS.
- 3. UNLESS OTHERWISE SPECIFIED, ALL DUCT SIZES AND OTHER DIMENSIONS ARE IN
- ALL DUCT DIMENSIONS INDICATED ARE INSIDE CLEAR DIMENSIONS IN MM., EXCLUDING INTERNAL LINING & EXTERNAL INSULATION THICKNESS, UNLESS OTHERWISE INDICATED.
- 5. ALL SUPPLY AIR DUCTS SHALL BE INSULATED. THE RETURN AIR DUCTS SHALL BE INSULATED WHERE IT IS PASSING THROUGH NON-AIR CONDITIONED AREA OR CEILING SPACES NOT USED AS RETURN AIR PLENUM.
- 6. PROVIDE 6MM SQUARE MESH SCREEN ON ALL DUCT AND WALL OPENINGS IN CEILING
- FLEXIBLE DUCT CONNECTION TO ANY AIR OUTLET SHALL NOT EXCEED A LENGTH OF 1.50 METERS AND SHOULD BE STRAIGHTENED AS MUCH AS POSSIBLE TO ACHIEVE MINIMUM RESISTANCE TO AIR FLOW.
- DUCTWORK, FITTINGS, HANGERS AND ACCESSORIES SHALL BE AS PER SMACNA RECOMMENDATIONS AND AS SPECIFIED IN THE SPECIFICATIONS.
- BELLMOUTH OPENING FOR RETURN AIR SHALL BE SIZED AT A MAXIMUM VELOCITY OF 2.5 METERS PER SECOND.
- 10. ALL OPEN ENDED DUCTS SHALL BE BELLMOUTHED, SCREENED AND REINFORCED WITH 37.5mm x 37.5mm x 3.5mm GALVANIZED STEEL ANGLES BOLTED, SCREWED OR RIVETED 150mm ON CENTER (MAXIMUM) ALL AROUND THE EXTERIOR PERIMETER OF THE DUCT.
- 11. PIPES, SLEEVES AND DUCTS PASSING THROUGH FIRE BARRIER, THE GAP BETWEEN THE PIPES AND ITS SLEEVES, AND THE GAP BETWEEN THE DUCTS AND FIRE BARRIERS MUST BE FIRMLY SEALED WITH FIRESTOP MATERIALS HAVING A PERIOD OF FIRE RESISTANCE EQUAL TO THE FIRE BARRIERS. DETAILS OF DUCTS AND PIPES THROUGH WALL AND FLOOR SHALL COMPLY WITH U.L. STANDARD AND REQUIREMENTS.
- 12 ALL DUCTS PASSING THRU SLAB SHALL BE PROVIDED WITH FIRE DAMPERS.
- 13. WHERE DUCT REQUIRING INSULATION PASSES THROUGH A FIRE BARRIER AND IS PROVIDED WITH A FIRE DAMPER, THE EXTERNAL INSULATION MUST HAVE A PERIOD OF FIRE RESISTANCE EQUAL TO THE BARRIERS.
- 14. VOLUME CONTROL DAMPER SHALL BE PROVIDED FOR SUPPLY AIR DUCT AT EACH BRANCH, WHETHER SHOWN OR NOT SHOWN ON PLANS.
- 15. ALL DUCT ELBOWS MUST BE FITTED WITH TURNING VANES TO SMACNA STANDARD.
- 16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL FIRE DAMPERS NECESSARY AND REQUIRED BY CODE IN ORDER TO SUIT FIELD CONDITIONS. REFER TO ARCHITECTURAL DRAWINGS FOR FIRE RESISTANCE RATING OF BUILDING FIRE RATED
- 17. PROVIDE ACCESS PANELS IN THE CEILING TO ALL FIRE DAMPERS, VOLUME DAMPERS, FCU CONTROL VALVES AND OTHER CONCEALED EQUIPMENT.CONTRACTOR SHALL COORDINATE WITH THE ARCHITECT FOR THE FINAL LOCATION OF ACCESS PANELS TO SUIT
- ALL OPENING FOR DUCTS AND PIPES SHALL NOT, IN ANYWAY, PENETRATE STRUCTURAL RIB ON BEAMS UNLESS OTHERWISE AUTHORIZED.
- 19. COORDINATE AND REFER TO ARCHITECTURAL CEILING PLANS AND FINAL FF & E LAYOUT FOR EXACT LOCATION OF ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES, COORDINATE EXACT LOCATION OF SLOTS, GRILLES, REGISTERS, AND DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLANS. IF A PARTICULAR ITEM IS NOT SHOWN ON THE ARCHITECTURAL REFLECTED CEILING PLAN, PREPARE A DRAWING AND PRESENT IT TO THE ARCHITECT FOR HIS REVIEW AND/OR APPROVAL
- 20. SIZE OF ALL BRANCH DUCTS TO GRILLES, LOUVERS OR DIFFUSERS SHALL BE THE SAME OF THE NECK SIZE OF THE RESPECTIVE GRILLES, LOUVERS OR DIFFUSERS UNLESS OTHERWISE SPECIFIED.
- 21. ALL HVAC EQUIPMENT SHALL BE SELECTED TO MEET THE REQUIRED CAPACITIES AND DATA INDICATED ON THE EQUIPMENT SCHEDULE.
- 22. FAN SYSTEM RESISTANCE, AND ELECTRICAL MOTOR RATINGS STATED IN THE SCHEDULES ARE DESIGN APPROXIMATIONS ONLY AND SHALL BE CHECKED AND REVISED BY MECHANICAL SERVICES CONTRACTOR PRIOR TO THE FINAL ORDERING OF EQUIPMENT WITHOUT ADDITIONAL COST TO THE CONTRACT.
- 23. REFER TO ARCHITECTURAL DRAWINGS FOR DOOR GRILLE AND DOOR UNDERCUT SIZES
- 24. PROVIDE SLEEVES WHERE PIPES/DUCTS PENETRATE THROUGH WALL AND SLABS.
- 25. ALL CONDENSATE DRAIN PIPES SHALL BE INSULATED AS PER SPECIFICATIONS.
- ALL JOINTS FOR CONDENSATE DRAIN PIPE (CDP) CONNECTIONS TO PLUMBING STUB-OUTS OR CDP LINES SHALL BE PART OF MECHANICAL WORKS.
- 28. ALL VRF & SPLIT TYPE AIR CONDITIONING SYSTEM SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. REFRIGERANT PIPING LAYOUT AND SIZE SHALL BE APPROVED BY CERTIFIED CONTRACTOR.

- 28. INSTALL ALL EQUIPMENT AS PER MANUFACTURER'S RECOMMENDATIONS.
- KITCHEN EXHAUST DUCTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH NFPA 96 AND ENCLOSURES AROUND HORIZONTAL & VERTICAL RUNS SHALL BE COORDINATED WITH THE ARCHITECTURAL LYYOUTS.
- 28. CONTRACTOR SHALL EXECUTE ALL ELECTRICAL WORKS RELATED TO MECHANICAL SYSTEM INCLUDING ALL CONTROLS TO PROVIDE A COMPLETE AND OPERABLE SYSTEM TO THE SATISFACTION OF THE ENGINEER AND AS PRE APPROVED SHOP DRAWINGS.
- 29. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ALL TRADES AT SITE. HE IS RESPONSIBLE TO PROVIDE DUCT REDUCERS (AS NECESSARY) TO ABIDE WITH ARCHITECTURAL, STRUCTURAL AND MECHANICAL REQUIREMENTS.
- 30. UNLESS OTHERWISE NOTED, ALL EXTERNAL LOUVERS SHALL BE WEATHERPROOF TYPE WITH 12mm STAINLESS WIRE MESH SUPPLIED AND INSTALLED BY OTHERS (BUILDER'S WORK).
- 31. UNLESS OTHERWISE NOTED, THE FREE AREA OF ALL EXTERNAL LOUVERS SHALL BE A MINIMUM OF 50% OF GROSS AREA.
- 32. EMERGENCY STOP OR DISCONNECT SWITCHES SHALL BE INSTALLED ADJACENT
- THE CONTRACTOR SHALL PROVIDE AND SELECT SILENCERS FOR ALL FAN AT SUCTION AND DISCHARGE SIDE CONNECTIONS TO ACHIEVE THE SPECIFIED ROOM AND EXTERNAL ACOUSTIC LEVELS AS REQUIRED. COORDINATE WITH THE ACOUSTIC AND/OR CONTRACTOR.
- 34. ALL AIR GRILLES / LOUVERS SHALL BE MADE OF ALUMINUM UNLESS OTHERWISE SPECIFIED. THE COLOR & SURFACE FINISHING OF THE GRILLES / LOUVERS SHALL BE SUBMITTED TO ARCHITECT FOR APPROVAL BEFORE MATERIAL ORDERING, UNLESS OTHERWISE SPECIFIED, COLOR FINISH SHALL BE IN BAKED ENAMEL PAINT.
- ALL ANTI-VIBRATION MOUNTS FOR EQUIPMENT AND PIPE WORK SHALL BE OF SEISMIC SPRING TYPE UNLESS OTHERWISE SHOWN ON DRAWINGS.
- ALL EQUIPMENT, DUCTWORKS AND OTHER ACCESSORIES INSTALLED OUTDOOR SHALL BE WEATHERPROOFED AND PROTECTED.
- 37. MAINTAIN DUCTWORK LEVEL AND AS HIGH AS POSSIBLE UNLESS OTHERWISE NOTED. TRANSITION RECTANGULAR DUCTWORK ON THE TOP AND AT THE SIDES, ALL DUCT TRANSITIONS FROM SQUARE TO ROUND SHALL BE SMOOTH SQUARE TO ROUND TRANSITIONS. SPIN—IN FITTINGS AT THE END OF CAPPED DUCTES ARE NOT ACCEPTABLE. DUCTS ARE NOT ACCEPTABLE.
- 38. ALL WIRING IN THE CEILING PLENUM SHALL BE PLENUM RATED CABLE PER NFPA-70 OR BE INSTALLED IN METAL CONDUIT.
- 39. ALL CEILING MOUNTED AIR DISTRIBUTION DEVICES LOCATED IN INACCESSIBLE CEILINGS SHALL HAVE FACE OPERABLE DAMPERS TO ALLOW AIR BALANCING OF THE SYSTEM AFTER THE CEILING IS IN PLACE.
- 40. FOR ALL EQUIPMENT, DUCTWORK, PIPING AND APPURTENANCES EXPOSED TO AN OUTDOOR ENVIRONMENT, SPECIAL CARE SHALL BE TAKEN TO ENSURE THAT THE UNIT CASING, MOTORS, VALVES AND OTHER APPURTENANCES ARE PROPERLY PROTECTED AS SPECIFIED. PROVIDE ETHER AN EPOXY COATING, STANLESS STEEL MATERIALS OR OTHER SIMILAR WEATHERPROOFING PROTECTION.
- ALL FANS, FCU'S, AND OTHER AIR DISTRIBUTION EQUIPMENT DISCHARGING INTO COMMON DUCTS, RISER OR HEADERS SHALL BE PROVIDED WITH BACKDRAFT DAMPERS, WHETHER SHOWN OR NOT SHOWN ON DRAWINGS.
- 41 AFTER SUBMITTAL APPROVALS AND PRIOR TO ORDERING OF ANY EQUIPMENT . AFTER SUBMITTAL APPROVALS AND PRIOR TO ORDERING OF ANY EQUIPMENT OR ACCESSORIES, OR BEFORE FABRICATION AND/OR ASSEMBLY OF PIPING, DUCTS AND ANY DEVICES/COMPONENTS, THE CONTRACTOR SHALL ENSURE THAT EVERYTHING HAS BEEN VERIFIED AT SITE AND COORDINATED WITH ALL THE OTHER DISCIPLINES AS TO THE CONTRACTIBILITY AND MAINTAINABILITY OF THE EQUIPMENT AND UTILITIES. IF FOR ANY REASON, CONFLICT ARISE DUE TO CONTRACTOR'S FAILURE TO FOLLOW THE ABOVE OR HIS LACK OF DUE DILIGENCE, ALL WORKS AS NECESSITATED SHALL BE PERFORMED BY THE CONTRACTOR WITHOUT ADDITIONAL COST CHANGE ORDER.
- 48. ALL CEILING MOUNTED OR CEILING HANGED EQUIPMENT MUST BE PROVIDED WITH VIBRATION ISOLATOR TO PREVENT MECHANICAL NOISE TRANSFER.
- 49. ALL REFRIGERANT PIPES INSTALLED MUST BE CONDUCTED WITH PRESSURE TEST PRIOR TO FINAL INSTALLATION.
- AL KITCHEN EXHAUST DUCTWORK (COMMERCIAL) SHALL BE MADE OF B.I. PIPE
- 51. ALL KITCHEN EXHAUST DUCTWORK (RESIDENTIAL) SHALL BE MADE OF B.I. PIPE GA. 18 W/ 50kg/m3 INSULATION
- 52. EXHAUST DUCT FOR STP SHALL BE MADE OF STAINLESS STEEL.
- 53. ALL INSTALLATION WORK SHALL BE DONE IN A NEAT AND WORKMAN LIKE MANNER.
- 54. ALL MATERIALS SHALL BE NEW AND CLEAN.
- 55. PROVIDE WASHABLE FILTER ON RANGE HOOD.
- 56. ANY DISCREPANCY ON DRAWING SHALL BE SUBJECT FOR VERIFICATION.
- 57. ALL NECESSARY GOVERNMENT PERMIT SHALL BE PAID BY THE CONTRACTOR.





SITE DEVELOPMENT

	ABBREVI	ATIONS	S
ACMV	AIR CONDITIONING AND MECHANICAL VENTILATION	KW	KILOWATT
ACCU	AIR-COOLED CONDENSING UNIT	L-R	LEFT TO RIGHT
BDD	BACKDRAFT DAMPER	LPS	LITERS PER SECOND
В.І.	BLACK IRON	LCP	LOCAL CONTROL PANEL
C/W	COMPLETE WITH	LPD	LIFT PRESSURIZATION DUCT
CFM	CUBIC FEET PER MINUTE	LPF	LIFT PRESSURIZATION FAN
СМН	CUBIC METER PER HOUR	MD	MOTORIZED DAMPER
DA	DAMPER ACTUATOR	MS	MOTOR STARTER
DL	DOOR LOUVER	MTS	METERS
DSPC	DIFFERENTIAL STATIC PRESSURE CONTROLLER	NFA	NET FREE AREA
DPS	DIFFERENTIAL PRESSURE SENSOR	NTS	NOT TO SCALE
EAD	EXHAUST AIR DUCT	Pa	PASCALS
EAG	EXHAUST AIR GRILLE	PH	PHASE
EAL	EXHAUST AIR LOUVER	RAD	RETURN AIR DUCT
EF	EXHAUST FAN	RH	RANGE HOOD
ESP	EXTERNAL STATIC PRESSURE	RP	REFRIGERANT PIPE
F/A	FROM ABOVE	SAD	SUPPLY AIR DUCT
F/B	FROM BELOW	SCD	SUPPLY CEILING DIFFUSER
FAF	FRESH AIR FAN	SED	SMOKE EXTRACTION DUCT
FACP	FIRE ALARM CONTROL PANEL	SEF	SMOKE EXTRACTION FAN
FAD	FRESH AIR DUCT	SPD	STAIRWELL PRESSURIZATION DUCT
FCU	FAN COIL UNIT	T/A	TO ABOVE
FDAS	FIRE DETECTION ALARM SYSTEM	T/B	TO BELOW
FD	FIRE DAMPER	T-B	тор то воттом
HP	HORSEPOWER	TEB	TOILET EXHAUST BLOWER
HZ	HERTZ	TED	TOILET EXHAUST DUCT
JF	JET FAN	TEF	TOILET EXHAUST FAN
KEB	KITCHEN EXHAUST BLOWER	VRF	VARIABLE REFRIGERANT FLOW
KSB	KITCHEN SUPPLY BLOWER	VD	VOLUME DAMPER

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(FCII)	EQUIPMENT TAG		DUCT TRANSITION (RECTANGULAR TO ROUND)
4	AIR-COOLED CONDENSING UNIT	No.	VOLUME DAMPER (PLAN)
	AR-COOLED CONDENSING UNIT (SCEHMATIC)	VO.	VOLUME DAMPER (SCHEMATIC
ш	WALL MOUNTED FCU (PLAN)	П ##	BELLMOUTH WITH INSECT SCREEN
D	WALL MOUNTED FCU (SCHEMATIC)	-db-	JET FAN
تت	VRF OUTDOOR UNIT - UPBLAST (SCHEMATIC)		EXHAUST AIR DUCT RISER
1010	VRF OUTDOOR UNIT - UPBLAST (PLAN)	\boxtimes	FRESH AIR DUCT RISER
	VRF OUTDOOR UNIT - SIDETHROW (SCHEMATIC)	溪山	SUPPLY/FRESH AIR ORILLE
	CEILING CONCEALED FCU (PLAN)) L	EXHAUST/RETURN AIR GRILLE
	CEILING CONCEALED FCU (SCHEMATIC)	ш	EXHAUST/RETURN AIR LOUVE
-	CEILING CASSETTE FCU (PLAN)	<u> </u>	SUPPLY/FRESH AIR LOUVER
	CEILING CASSETTE FCU (SCHEMATIC)	ж	CEILING CASSETTE TYPE TOILET EXHAUST FAN
凩	CEILING SUSPENDED FCU (PLAN)		RANGE HOOD
ġ ē	CENTRIFUGAL, FAN	D	AIR VENT CAP
-	FLEXIBLE DUCT		REFRICERANT PIPE
	DUCT	——	REFRIGERANT PIPE RISER DOWN
	ECCENTRIC DUCT REDUCER	——о	REFRIGERANT PIPE RISER UP
	CONCENTRIC DUCT REDUCER	A	REFRIGERANT PIPE FITTINGS
_	SUPPLY LINEAR DIFFUSER	9-	MOTORIZED DAMPER (PLAN)*
_	RETURN LINEAR DIFFUSER	, MO	MOTORIZED DAMPER (SCHEMATIC)
_/px	DOOR LOUVER	M	MOTOR STARTER
d	IN-LINE AXIAL FAN	9	LOCAL CONTROL PANEL
D()4	IN-LINE CENTRIFUGAL FAN		DAMPER ACTUATOR
[]	DUCT STUB-OUT	DRG.	DIFFERENTIAL STATIC PRESSURE CONTROLLER
_FD	FIRE DAMPER (SCHEMATIC)	(PS)	DIFFERENTIAL STATIC PRESSURE SENSOR





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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

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NOTES/REVISIONS

ROIECT

NEW CAAP OFFICE BUILDING

CAAP HEAD OFFICE NAIA ROAD PASAY CITY

 GENERAL NOTES SITE DEVEL OPMENT

ABBREVIATION, LEGEND AND SYMBOLS

DRAWING SCALE: M-00 AS SHOWN

GENERAL NOTES M-00 SCALE:

ABBREVIATION, LEGEND AND SYMBOLS M-00 SCALE:

SPLIT TYPE AC UNITS

	FAN COIL UNIT AIR COOLED CONDENSING UNIT											
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	COOLING CAPACITY (kW)	UNIT DESIGNATION	QTY	TOTAL COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REFRIGERANT	REMARKS
FCU-GF	2	OFFICE AREA	GROUND FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-GF	2	14.0 kW	230 / 1 / 60	4.49 kW		
FCU-GF	6	MAIN LOBBY	GROUND FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-GF	6	14.0 kW	230 / 1 / 60	4.49 kW	R-410A	EACH UNIT SHALL BE FACTORY TESTED AND ASSEMBLED TO MEET THE DESIGN REQUIREMENTS AND SHALL BE COMPLETE WITH DECORATIVE PANELS WASHABLE TYPE AIR FILTERS, AND WIRED REMOTE CONTROLLERS,
FCU-GF	2	CONFERENCE-1	GROUND FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-GF	2	14.0 kW	230 / 1 / 60	4.49 kW		FAN SPEED CONTROL AND WIDE RANGE OF TEMPERATURE SETTINGS. COMPRESSOR SHALL BE INVERTER TYPE.
FCU-GF	1	CONFERENCE-2	GROUND FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-GF	1	14.0 kW	230 / 1 / 60	4.49 kW		
		•	FAN COIL UNIT				A	IR COOLED CONDE	ISING UNIT			
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	COOLING CAPACITY (kW)	UNIT DESIGNATION	QTY	TOTAL COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REFRIGERANT	REMARKS
FCU-2ND	8	OFFICE AREA	SECOND FLOOR	FLOOR MOUNTED	14.0 KW	ACCU-2ND	8	14.0 kW	230 / 1 / 60	4.49 kW	R-410A	EACH UNIT SHALL BE FACTORY TESTED AND ASSEMBLED TO MEET THE DESIGN REQUIREMENTS AND SHALL BE COMPLETE WITH DECORATIVE PANELS, WASHABLE TYPE AIR FILTERS, AND WIRED REMOTE CONTROLLERS.
FCU-2ND	1	MEETING ROOM	SECOND FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-2ND	1	14.0 kW	230 / 1 / 60	4.49 kW		FAN SPEED CONTROL AND WIDE RANGE OF TEMPERATURE SETTINGS, COMPRESSOR SHALL BE INVERTER TYPE.
			FAN COIL UNIT				A	IR COOLED CONDE				
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	COOLING CAPACITY (kW)	UNIT DESIGNATION	QTY	TOTAL COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REFRIGERANT	REMARKS
FCU-3RD	8	OFFICE AREA	THIRD FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-3RD	8	14.0 kW	230 / 1 / 60	4.49 kW	R-410A	EACH UNIT SHALL BE FACTORY TESTED AND ASSEMBLED TO MEET THE DESIGN REQUIREMENTS AND SHALL BE COMPLETE WITH DECORATIVE PANELS, WASHABLE TYPE AIR FILTERS, AND WIRED REMOTE CONTROLLERS.
FCU-3RD	1	MEETING ROOM	THIRD FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-3RD	1	14.0 kW	230 / 1 / 60	4.49 kW		FAN SPEED CONTROL AND WIDE RANGE OF TEMPERATURE SETTINGS. COMPRESSOR SHALL BE INVERTER TYPE.
	FAN COIL UNIT AIR COOLED CONDENSING UNIT											
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	COOLING CAPACITY (kW)	UNIT DESIGNATION	QTY	TOTAL COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REFRIGERANT	REMARKS
FCU-4TH	8	OFFICE AREA	FOURTH FLOOR	FLOOR MOUNTED	14.0 KW	ACCU-4TH	8	14.0 kW	230 / 1 / 60	4.49 kW	R-410A	EACH UNIT SHALL BE FACTORY TESTED AND ASSEMBLED TO MEET THE DESIGN REQUIREMENTS AND SHALL BE COMPLETE WITH DECORATIVE PANELS, WASHABLE TYPE AIR FILTERS, AND WIRED REMOTE CONTROLLERS,
FCU-4TH	1	MEETING ROOM	FOURTH FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-4TH	1	14.0 kW	230 / 1 / 60	4.49 kW		FAN SPEED CONTROL AND WIDE RANGE OF TEMPERATURE SETTINGS. COMPRESSOR SHALL BE INVERTER TYPE.
			FAN COIL UNIT				A	IR COOLED CONDE				
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	COOLING CAPACITY (kW)	UNIT DESIGNATION	QTY	TOTAL COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REFRIGERANT	REMARKS
FCU-5TH	8	OFFICE AREA	FIFTH FLOOR	FLOOR MOUNTED	14.0 kW	ACCU-5TH	8	14.0 kW	230 / 1 / 60	4.49 kW	R-410A	EACH UNIT SHALL BE FACTORY TESTED AND ASSEMBLED TO MEET THE DESIGN REQUIREMENTS AND SHALL BE COMPLETE WITH DECORATIVE PANELS, WASHABLE TYPE AIR FILTERS, AND WIRED REMOTE CONTROLLERS,
FCU-5TH	1	MEETING ROOM	FIFTH FLOOR	FLOOR MOUNTED	14,0 kW	ACCU-5TH	1	14.0 kW	230 / 1 / 60	4.49 kW		FAN SPEED CONTROL AND WIDE RANGE OF TEMPERATURE SETTINGS. COMPRESSOR SHALL BE INVERTER TYPE.
			FAN COIL UNIT				A	IR COOLED CONDE				
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	COOLING CAPACITY (kW)	UNIT DESIGNATION	QTY	TOTAL COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REFRIGERANT	REMARKS
FCU-6TH	8	OFFICE AREA	SIXTH FLOOR	FLOOR MOUNTED	14,0 kW	ACCU-6TH	8	14.0 kW	230 / 1 / 60	4.49 kW	R-410A	EACH UNIT SHALL BE FACTORY TESTED AND ASSEMBLED TO MEET THE DESIGN REQUIREMENTS AND SHALL BE COMPLETE WITH DECORATIVE PANELS, WASHABLE TYPE AIR FILTERS, AND WIRED REMOTE CONTROLLERS,
FCU-6TH	1	MEETING ROOM	SIXTH FLOOR	FLOOR MOUNTED	14.0 KW	ACCU-6TH	1	14.0 kW	230 / 1 / 60	4.49 kW		FAN SPEED CONTROL AND WIDE RANGE OF TEMPERATURE SETTINGS. COMPRESSOR SHALL BE INVERTER TYPE.
			FAN COIL UNIT				Al	R COOLED CONDEN	SING UNIT			
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	COOLING CAPACITY (kW)	UNIT DESIGNATION	QTY	TOTAL COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REFRIGERANT	REMARKS
FCU-GF	1	FCC/CCTV/SEC ROOM (BACK-UP)	GROUND FLOOR	WALL MOUNTED	2.8 kW	ACCU-GF	1	2.8 KW	230 / 1 / 60	1.024kW	R-410A	EACH UNIT SHALL BE FACTORY TESTED AND ASSEMBLED TO MEET THE DESIGN REQUIREMENTS AND SHALL BE COMPLETE WITH DECORATIVE PANELS, WASHABLE TYPE AIR FILTERS, AND WIRED REMOTE CONTROLLERS, FAN SPEED CONTROL AND WIDE RANGE OF TEMPERATURE SETTINGS. COMPRESSOR SHALL BE INVERTER TYPE.

KITCHEN RANGEHOOD	
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UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	DRIVE	AIR F		ELECTRICAL CHARACTERISTICS	POWER	REMARKS	
DESIGNATION		GERVED				LO	HI	(Volts / Phase / Cycle)	(W)		
RH	6	PANTRY	GF-6TH FLOOR	DUCTED TYPE	DIRECT	273	459	230 / 1 / 60	127 W	COMPLETE WITH GREASE AND ODOR CONTROL FILTER. SIMILAR TO KDK.	

TOILET EXHAUST FANS:

UNIT	QTY	AREA SERVED	LOCATION	TYPE	DRIVE	DRIVE AIR FLO		E.S.P	ELECTRICAL CHARACTERISTICS	POWER INPUT	REMARKS	
DESIGNATION	411	AKEA GERVED	LOGATION			СМН	MH CFM (Pa)		(Volts / Phase / Cycle)	(W)		
TEF	6	T&B	GF-6TH FLOOR	CEILING MOUNTED CASSETTE TYPE, EXHAUST FAN	DIRECT	120	70	50	230 / 1 / 60	21	WITH BUILT-IN BACKDRAFT DAMPER. MINIMUM OF 35 dB WHEN RUNNING, FAN TO BE INTERLOCKED WITH LIGHT SWITCH.	
TEF	6	PWD	GF-6TH FLOOR	CEILING MOUNTED CASSETTE TYPE, EXHAUST FAN	DIRECT	120	70	50	230 / 1 / 60	21	WITH BUILT-IN BACKDRAFT DAMPER. MINIMUM OF 35 dB WHEN RUNNING. FAN TO BE INTERLOCKED WITH LIGHT SWITCH.	
TEF	12	FEMALE	GF-6TH FLOOR	CEILING MOUNTED CASSETTE TYPE, EXHAUST FAN	DIRECT	330	194	75	230 / 1 / 60	48	WITH BUILT-IN BACKDRAFT DAMPER, MINIMUM OF 35 dB WHEN RUNNING.	
TEF	12	MALE	GF-6TH FLOOR	CEILING MOUNTED CASSETTE TYPE, EXHAUST FAN	DIRECT	480	282	75	230 / 1 / 60	65	WITH BUILT-IN BACKDRAFT DAMPER. MINIMUM OF 35 dB WHEN RUNNING.	







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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASSY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE	
DESIGNED BY:	IDDD	
DRAWN BY:	IDDD	6
CHECKED BY:	**	-

DEVIEWED I



SUBMITTED B



RECOMMEND APPROVAL:



APPROVED BY:



PROJECT:

NEW CAAP OFFICE
BUILDING

LOCATIO

CAAP HEAD OFFICE NAIA ROAD, PASAY CITY

SHEET CONTENTS:
• EQUIPMENT SCHEDULE

DRAWING SCALE:	SHEET NO:					
45 511014/11	M-01					
AS SHOWN						

VRF TYPE	AIR	CONDITION	NING UNITS	3:									
				INDOORUNIT							OUTDOOR UNIT		
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	ТҮРЕ	SELECTED COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	POWER INPUT	UNIT DESIGNATION	LOCATION	SELECTED TOTAL COOLING CAPACITY (NW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REMARKS
FCU-GF	1	DEPT MANAGER	GROUND FLOOR	WALL MOUNTED	5.6 KW	230 / 1 / 60	32.0 W						THE RESERVE AND COMPLETE WILCONTERN FRANCE OF THE
FCU-GF	1	DEPT. MANAGER	GROUND FLOOR	WALL MOUNTED	2.2 kW	230 / 1 / 60	11.0 W	ACCU-GF	GROUND FLOOR	14.0	400/3/60	3.78	HIGH COP UNITS COMPLETE W/ CONTROLLER AND FILTER. INVERTER COMPRESSOR W/ R-410A REFRIGERANT
FCU-GF	2	MALE/FEMALE(T&B)	GROUND FLOOR	WALL MOUNTED	45 kW	230 / 1 / 60	23.0 W	ACCUAR	ACCU LEDGE				(ACCU SIDE-THROW TYPE)
FCU-GF	1	FCC/CCTV/SEC ROOM	GROUND FLOOR	WALL MOUNTED	2.8 kW	230 / 1 / 60	120 W				OUTDOOR UNIT		
				INDOORUNIT							FLECTRICAL	TOTAL	
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	ТУРЕ	SELECTED COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	POWER INPUT	UNIT DESIGNATION	LOCATION	COOLING CAPACITY (kW)	CHA RACTERISTICS (Volts / Phase / Cycle)	POWER INPUT (kW)	REMARKS
FCU-2ND	1	DEPT. MANAGER	2ND FLOOR	WALL MOUNTED	5.6 kW	230 / 1 / 60	32.0 W						
FCU-2ND	3	DEPT MANAGER	2ND FLOOR	WALL MOUNTED	2.2 kW	230 / 1 / 60	11.0 W						
FCU-2ND	1	HALLWAY	2ND FLOOR	FLOOR MOUNTED	2.8 kW	230 / 1 / 60	36.0 W						HIGH COP UNITS, COMPLETE W/ CONTROLLER AND FILTER.
FCU-2ND	2	ADG I & ADG II	2ND FLOOR	FLOOR MOUNTED	2.2 KW	230 / 1 / 60	24.0 W	ACCU-2ND	SECOND FLOOR ACCU LEDGE	39 2	400/3/60	8.68	INVERTER COMPRESSOR W/ R-410A REFRIGERANT (ACCU UP-BLAST TYPE)
FCU-2ND	1	ELEVATOR LOBBY	2ND FLOOR	FLOOR MOUNTED	5.6 kW	230 / 1 / 60	54.0 W		ACCU LEDGE				(ACCO OF-BOAST TIPE)
FCU-2ND	2	MALE/FEMALE(T&B)	2ND FLOOR	WALL MOUNTED	4.5 KW		23.0 W						
FCU-2ND	1	LOUNGE AREA	2ND FLOOR	FLOOR MOUNTED	5.6 kW 2.8 kW	230 / 1 / 60	12.0 W						
FCU-2ND	1	SERVER	2ND FLOOR	WALL MOUNTED INDOOR UNIT	2.5 KW	23071760	120 W				OUTDOOR UNIT		
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	SELECTED COOLING CAPACITY (W)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	POWER INPUT	UNIT DESIGNATION	LOCATION	SELECTED TOTAL COOLING CAPACITY (NW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REMARKS
		DEPT MANAGER	3RD FLOOR	WALL MOUNTED	5.6 kW	230 / 1 / 60	32 0 W						
FCU-3RD	1		07.00 1.00 0.11	WALL MOUNTED	22 WV	230 / 1 / 60	11.0 W						
FCU-3RD FCU-3RD	3	DEPT MANAGER HALLWAY	3RD FLOOR 3RD FLOOR	FLOOR MOUNTED	28 kW	230 / 1 / 60	36.0 W						
FCU-3RD FCU-3RD	2	ADG I & ADG II	3RD FLOOR	FLOOR MOUNTED	2.2 kW	230 / 1 / 60	24.0 W					0.00	HIGH COP UNITS COMPLETE W/ CONTROLLER AND FILTER
FCU-3RD	1	ELEVATOR LOBBY	380 FLOOR	FLOOR MOUNTED	5.6 kW	230 / 1 / 60	54.0 W	ACCU-3RD	THIRD FLOOR ACCULEDGE	39.2	400/3/60	8.68	INVERTER COMPRESSOR W/ R-410A REFRIGERANT (ACCULUP-BLAST TYPE)
FCU-3RD	2	MALE/FEMALE(T&B)	3RD FLOOR	WALL MOUNTED	4.5 kW	230 / 1 / 60	23.0 W						(1000 01 00 01 11 E)
FCU-3RD	1	LOUNGE AREA	3RD FLOOR	FLOOR MOUNTED	5.6 kW	230 / 1 / 60	54.0 W						
FCU-3RD	1	SERVER	3RD FLOOR	WALL MOUNTED	2.8 kW	230 / 1 / 60	12.0 W						
				INDOORUNIT							OUTDOOR UNIT		
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	ТУРЕ	SELECTED COOLING CAPACITY (kW)	ELECTRICAL CHARA CTERISTICS (Volts / Phase / Cycle)	POWER INPUT	UNIT DESIGNATION	LOCATION	SELECTED TOTAL COOLING CAPACITY (kW)	ELECTRICAL CHA RACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (kW)	REMARKS
FCU-4TH	1	DEPT MANAGER	4TH FLOOR	WALL MOUNTED	5.6 kW	230 / 1 / 60	32.0 W						
FCU-4TH	3	DEPT MANAGER	4TH FLOOR	WALL MOUNTED	22 KW	230 / 1 / 60	11.0 W						
FCU-4TH	1	HALLWAY	4TH FLOOR	FLOOR MOUNTED	2.8 kW	230 / 1 / 60	36.0 W						HIGH COP UNITS COMPLETE W/ CONTROLLER AND FILTER
FCU-4TH	2	ADG I & ADG II	4TH FLOOR	FLOOR MOUNTED	2.2 kW	230 / 1 / 60	24.0 W	ACCU-4TH	FOURTH FLOOR	39.2	400/3/60	8.68	INVERTER COMPRESSOR W/ R-410A REFRIGERANT
FCU-4TH	1	ELEVATOR LOBBY	4TH FLOOR	FLOOR MOUNTED	5.6 kW	230 / 1 / 60	54.0 W	ACCU-41H	ACCU LEDGE	301			(ACCU UP-BLAST TYPE)
FCU-4TH	2	MALE/FEMALE(T&B)	4TH R.OOR	WALL MOUNTED	4.5 kW	230 / 1 / 60	23.0 W						
FCU4TH	1	LOUNGE AREA	4TH FLOOR	FLOOR MOUNTED	5.6 kW	230 / 1 / 60	54.0 W						
FCU-4TH	1	SERVER	4TH FLOOR	WALL MOUNTED INDOOR UNIT	2.8 kW	230 / 1 / 60	12.0 W				OUTDOOR UNIT		
UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	SELECTED COOLING CAPACITY (kW)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	POWER INPUT	UNIT DESIGNATION	LOCATION	SELECTED TOTAL COOLING CAPACITY (KW)	ELECTRICAL CHARACTERISTICS (Voits / Phase / Cycle)	TOTAL POWER INPUT (kW)	REMARKS
											Account to the second		
FCU-5TH	1.	DEPT MANAGER	5TH FLOOR	WALL MOUNTED	5.6 kW	230 / 1 / 60	32 0 W						
FCU-5TH	3	DEPT MANAGER	5TH FLOOR	WALL MOUNTED	2.2 kW	230 / 1 / 60	11.0 W						
	1 1	HALLWAY	5TH FLOOR	FLOOR MOUNTED	2.8 kW	230 / 1 / 60							HIGH COP UNITS COMPLETE W/ CONTROLLER AND FILTER.
FCU-5TH	-	100101000	ETICIONO	ELOOP MOUNTED	2244	230 / 1 / 60	24 n W						
FCU-5TH	2	ADG I & ADG II	5TH FLOOR	FLOOR MOUNTED	2.2 kW	230 / 1 / 60	24.0 W	ACCU-5TH	FIFTH FLOOR	39.2	400/3/60	8.68	INVERTER COMPRESSOR W/R-410A REFRIGERANT
FCU-5TH FCU-5TH	1	ELEVATOR LOBBY	5TH FLOOR	FLOOR MOUNTED	2.2 kW 5.6 kW 4.5 kW	230 / 1 / 60 230 / 1 / 60 230 / 1 / 60	54.0 W	ACCU-5TH	FIFTH FLOOR ACCU LEDGE	39.2	400/3/60	8.68	INVERTER COMPRESSOR W/R-410A REFRIGERANT (ACCU UP-BLAST TYPE)
FCU-5TH FCU-5TH FCU-5TH	2 1 2	ELEVATOR LOBBY MALE/FEMALE(T&B)	5TH FLOOR 5TH FLOOR		5.6 kW	230 / 1 / 60		ACCU-5TH		39.2	400/3/60	8.68	INVERTER COMPRESSOR W/ R-410A REFRIGERANT
FCU-5TH FCU-5TH FCU-5TH FCU-5TH	2 1 2 1	ELEVATOR LOBBY	5TH FLOOR	FLOOR MOUNTED WALL MOUNTED	5.6 kW 4.5 kW	230 / 1 / 60 230 / 1 / 60	54.0 W 23.0 W	ACCU-5TH		39.2	400/3/60	8.68	INVERTER COMPRESSOR W/R-410A REFRIGERANT
FCU-5TH FCU-5TH FCU-5TH	1 2	ELEVATOR LOBBY MALE/FEMALE(T&B) LOUNGE AREA	5TH FLOOR 5TH FLOOR 5TH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUNTED WALL MOUNTED	5.6 kW 4.5 kW 5.6 kW	230 / 1 / 60 230 / 1 / 60 230 / 1 / 60	54.0 W 23.0 W 54.0 W	ACCU-5TH		39.2	400 / 3 / 60 OUTDOOR UNIT	8.68	INVERTER COMPRESSOR W/R 410A REFRIGERANT
FCU-5TH FCU-5TH FCU-5TH FCU-5TH	1 2	ELEVATOR LOBBY MALE/FEMALE(T&B) LOUNGE AREA SERVER AREA SERVED	5TH FLOOR 5TH FLOOR 5TH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUNTED	5.6 kW 45 kW 5.6 kW 28 kW SELECTED COOLING CAPACITY (kW)	230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	54.0 W 23.0 W 54.0 W 12.0 W	ACCU-STH UNIT DESIGNATION		39 2 SELECTED TOTAL COOLING CAPACITY (MW)		TOTAL POWER INPUT (XW)	INVERTER COMPRESSOR W/ R-410A REFRIGERANT
FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH	1 2 1	ELEVATOR LOBBY MALE/FEMALE(T&B) LOUNGE AREA SERVER	5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUNTED WALL MOUNTED INDOOR UNIT TYPE WALL MOUNTED	5.6 kW 4.5 kW 5.6 kW 2.8 kW SELECTED COOLING CAPACITY (kW) 5.6 kW	230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle) 230 / 1 / 60	54.0 W 23.0 W 54.0 W 12.0 W POWER INPUT	UNIT	ACCU LEDGE	SELECTED TOTAL COOLING	OUTDOOR UNIT ELECTRICAL CHARACTERISTICS (Volts /	TOTAL POWER	INVERTER COMPRESSOR WIR 4 IN A REPRIGERANT (ACCU UP BLAST TYPE)
FCU-STH FCU-STH FCU-STH FCU-STH FCU-STH UNIT DESIGNATION	1 2 1	ELEVATOR LOBBY MALE/FEMALE(T&B) LOUNGE AREA SERVER AREA SERVED	5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUNTED WALL MOUNTED INDOOR UNIT TYPE WALL MOUNTED WALL MOUNTED WALL MOUNTED WALL MOUNTED	5.6 kW 4.5 kW 5.6 kW 2.8 kW SELECTED COOLING CAPACITY (kW) 5.6 kW 2.2 kW	230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle) 230 / 1 / 60 230 / 1 / 60	54.0 W 23.0 W 54.0 W 12.0 W POWER INPUT 32.0 W 11.0 W	UNIT	ACCU LEDGE	SELECTED TOTAL COOLING	OUTDOOR UNIT ELECTRICAL CHARACTERISTICS (Volts /	TOTAL POWER	INVERTER COMPRESSOR WIR 410A REFRIGERANT (ACCU UP-BLAST TYPE)
FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH	1 2 1	ELEVATOR LOBBY MALE/FEMALE(T&B) LOUNGE AREA SERVER AREA SERVED DEPT. MANAGER	5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUNTED WALL MOUNTED INDOOR UNIT TYPE WALL MOUNTED WALL MOUNTED WALL MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED	5.6 kW 4.5 kW 5.6 kW 2.8 kW SELECTED COOLING CAPACITY (kW) 5.6 kW 2.2 kW 5.6 kW	230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 ELECTRICAL CHARACTERISTICS (Yols / Phase / Cycle) 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60	54.0 W 23.0 W 54.0 W 12.0 W POWER INPUT 32.0 W 11.0 W 36.0 W	UNIT	ACCU LEDGE	SELECTED TOTAL COOLING	OUTDOOR UNIT ELECTRICAL CHARACTERISTICS (Volts /	TOTAL POWER	INVERTER COMPRESSOR WIR A 10A REFRIGERANT (ACCU UP BLAST TYPE) REMARKS
FCUSTH	1 2 1	ELEVATOR LOBBY MALEFEMALE (TAB) LOUNGE AREA SERVER AREA SERVED DEPT. MANAGER 1ALLWAY ADG 18 ADG 11	STH FLOOR STH FLOOR STH FLOOR STH FLOOR STH FLOOR STH FLOOR GTH FLOOR GTH FLOOR GTH FLOOR GTH FLOOR GTH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUNTED WALL MOUNTED INDOOR UNIT TYPE WALL MOUNTED WALL MOUNTED WALL MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED	5.6 kW 4.5 kW 5.6 kW 2.8 kW SELECTED COOLING CAPACITY (kW) 5.6 kW 2.2 kW 5.6 kW 2.2 kW	230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 ELETTRICAL CHARACTERISTICS (Volts / Phase / Cycle) 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60 230 / 1 / 60	54.0 W 23.0 W 54.0 W 12.0 W POWER INPUT 32.0 W 11.0 W 36.0 W 24.0 W	UNIT	LOCATION SIXTH FLOOR	SELECTED TOTAL COOLING	OUTDOOR UNIT ELECTRICAL CHARACTERISTICS (Volts /	TOTAL POWER	INVERTER COMPRESSOR WIR 4 10A REFRIGERANT (ACCU UP BLAST TYPE) REMARKS REMARKS HIGH COP UNITS COMPLETE WI CONTROLLER AND FLITER. INVERTER COMPRESSOR WIR 4 10A REFRIGERANT
FCUSTH	1 2 1 1 2 1 3 1 2 1	ELEVATORLOBBY MALEFEMALE(TAB) LOUNGE AREA SERVER AREA SERVED DEPT. MANAGER HALLWAY ADG 18 ADG 11 ELEVATORLOBBY	5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUNTED WALL MOUNTED INDOOR UNIT TYPE WALL MOUNTED WALL MOUNTED WALL MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED	56 kW 45 kW 56 kW 28 kW SELECTED COOLING CAPACITY (kW) 5.6 kW 22 kW 5.6 kW 22 kW 5.6 kW	230 / 1 / 80 220 / 1 / 80 220 / 1 / 80 230 / 1 / 80 230 / 1 / 80 ELECTRICAL CHARACTERS TICS (vidta / Phase i Cycle) 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80	23.0 W 23.0 W 54.0 W 12.0 W POWER INPUT 32.0 W 11.0 W 36.0 W 24.0 W	UMT DESIGNATION	LOCATION	SELECTED TOTAL COOLING CAPACITY (MW)	OUTDOOR UNIT ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (AW)	INVERTER COMPRESSOR WIR A 110A REFRIGERANT (ACCU UP-BLAST TYPE) REMARKS HIGH-COP UNITS COMPLETE WI/CONTROLLER AND FLITER
FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH FCUSTH PCUSTH FCUSTH	1 2 1 1 1 2 1 1 3 1 1	ELEVATOR LOBBY MALEFEMALE(TAB) LOUNGE AREA SERVER AREA SERVED DEPT. MANAGER DEPT. MANAGER HALLWAY ADO IS A DO II ELEVATOR LOBBY MALEFEMALE(TAB)	5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 6TH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUTED WALL MOUNTED INDOOR UNIT TYPE WALL MOUNTED WALL MOUNTED WALL MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED WALL MOUNTED	5 6 kW 4 5 kW 5 6 kW 2 8 kW SELECTED COOLING CAPACITY (kW) 5 6 kW 2 2 kW 5 6 kW 4 5 kW 4 5 kW	230/1/80 230/1/80 230/1/80 230/1/80 230/1/80 ELECTRICAL CHARACTERS TICS (Valts / Phase / Cycle) 230/1/80 230/1/80 230/1/80 230/1/80 230/1/80 230/1/80 230/1/80 230/1/80	23.0 W 23.0 W 54.0 W 12.0 W POWER INPUT 32.0 W 11.0 W 36.0 W 24.0 W 54.0 W 23.0 W	UMT DESIGNATION	LOCATION SIXTH FLOOR	SELECTED TOTAL COOLING CAPACITY (MW)	OUTDOOR UNIT ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (AW)	INVERTER COMPRESSOR WIR 4 I I OA REFRIGERANT (ACCU UP BLAST TYPE) REMARKS HIGH COP UNITS COMPLETE WI CONTROLLER AND FLITER INVERTER COMPRESSOR WIR 4 I I OA REFRIGERANT
FCUSTH	1 2 1 1 2 1 3 1 2 1	ELEVATORLOBBY MALEFEMALE(TAB) LOUNGE AREA SERVER AREA SERVED DEPT. MANAGER HALLWAY ADG 18 ADG 11 ELEVATORLOBBY	5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 5TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR 6TH FLOOR	FLOOR MOUNTED WALL MOUNTED FLOOR MOUNTED WALL MOUNTED INDOOR UNIT TYPE WALL MOUNTED WALL MOUNTED WALL MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED FLOOR MOUNTED	56 kW 45 kW 56 kW 28 kW SELECTED COOLING CAPACITY (kW) 5.6 kW 22 kW 5.6 kW 22 kW 5.6 kW	230 / 1 / 80 220 / 1 / 80 220 / 1 / 80 230 / 1 / 80 230 / 1 / 80 ELECTRICAL CHARACTERS TICS (vidta / Phase i Cycle) 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80 230 / 1 / 80	23.0 W 23.0 W 54.0 W 12.0 W POWER INPUT 32.0 W 11.0 W 36.0 W 24.0 W	UMT DESIGNATION	LOCATION SIXTH FLOOR	SELECTED TOTAL COOLING CAPACITY (MW)	OUTDOOR UNIT ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	TOTAL POWER INPUT (AW)	INVERTER COMPRESSOR WIR 4 10A REFRIGERANT (ACCU UP BLAST TYPE) REMARKS REMARKS HIGH COP UNITS COMPLETE WI CONTROLLER AND FLITER. INVERTER COMPRESSOR WIR 4 10A REFRIGERANT

EXHAUST FAN

UNIT DESIGNATION	QTY	AREA SERVED	LOCATION	TYPE	DRIVE	AIR F CAP/	CFM	E.S.P (Pa)	ELECTRICAL CHARACTERISTICS (Volts / Phase / Cycle)	MOTOR SIZE	REMARKS
EF	6	EE / AUX ROOM	GF-6TH FLOOR	CEILING MOUNTED CASSETTE TYPE, EXHAUST FAN	DIRECT	330	194	75	230 / 1 /60	48 W	COMPLETE W/ OFF-ON SELECTION SWITCH.

FANS & BLOWERS FRESH AIR BLOWER

UNIT	QTY	AREA SERVED	LOCATION	TYPE	DRIVE		LOW	E.S.P (Pa)	ELECTRICAL CHARACTERISTICS	MOTOR SIZE	REMARKS
DESIGNATION	٠	/III.DY GENTIES	2001111111			CMH	CFM	(Pa)	(Volts / Phase / Cycle)	SIZE	
FAB	6	PUBLIC TOILET	GF-6TH FLOOR	CENTRIFUGAL IN - LINE FAN	DIRECT	1360	800	250	230 / 1 /60	350 W	COMPLETE W/ LMCP AND MANUAL OFF-ON SELECTION SWITCH, WITH MERV 13 FILTER
FAB	1	GF-6TH OFFICE AREA	ROOF DECK	CABINET TYPE FAN DIDW	BELT	8415	4950	250	400 / 3 /60	1.5 HP	COMPLETE W/ LMCP AND MANUAL OFF-AUTO SELECTION SWITCH, WITH MERV 13 FILTER

FANS & BLOWERS SMOKE EXTRACTION, STAIR PRESSURIZATION AND LIFT PRESSURIZATION

UNIT	QTY	AREA SERVED	LOCATION	TYPE	DRIVE		LOW	E.S.P	ELECTRICAL CHARACTERISTICS	MOTOR	REMARKS
DESIGNATION					Ditte	CMH	CFM	(Pa)	(Volts / Phase / Cycle)	SIZE	at make throughouts
SEF	2	OFFICE AREA	ROOF DECK	CENTRIFUGAL FAN SISW	BELT	5950	3500	500	400 / 3 /60	2.5 HP	COMPLETE WI LMCP AND MANUAL OFF-AUTO SELECTION SWITCH.
SPF	2	STAIR	ROOF DECK	CABINET TYPE FAN DIDW	BELT	24990	14700	250	400 / 3 /60	5.0 HP	COMPLETE W/ LMCP AND MANUAL OFF-AUTO SELECTION SWITCH.
LPF	1	ELEVATOR SHAFT	ROOF DECK	CABINET TYPE FAN DIDW	BELT	8500	5000	250	400 / 3 /60	2.0 HP	COMPLETE WI LMCP AND MANUAL OFF-AUTO SELECTION SWITCH.





REPUBLIC OF THE PHILIPPINES

CIVIL AVIATION AUTHORITY OF THE PHILIPPINES

ARRODROME DEVELOPMENTAND MANAGEMENT SERVICE
NAME ROAD, 1300 PASSY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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DRAWN BY:	IDDD	4
CHECKED BY:		

REVIEWED BY:



SUBMITTED

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Department Manager III, AED-ADMS

RECOMMEND APPROVA

LT COL VALENTINO A DIONELA PAF (RET)
Assistant Director General II. ADMS

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

PROJECT:

NEW CAAP OFFICE
BUILDING

LOCATIO

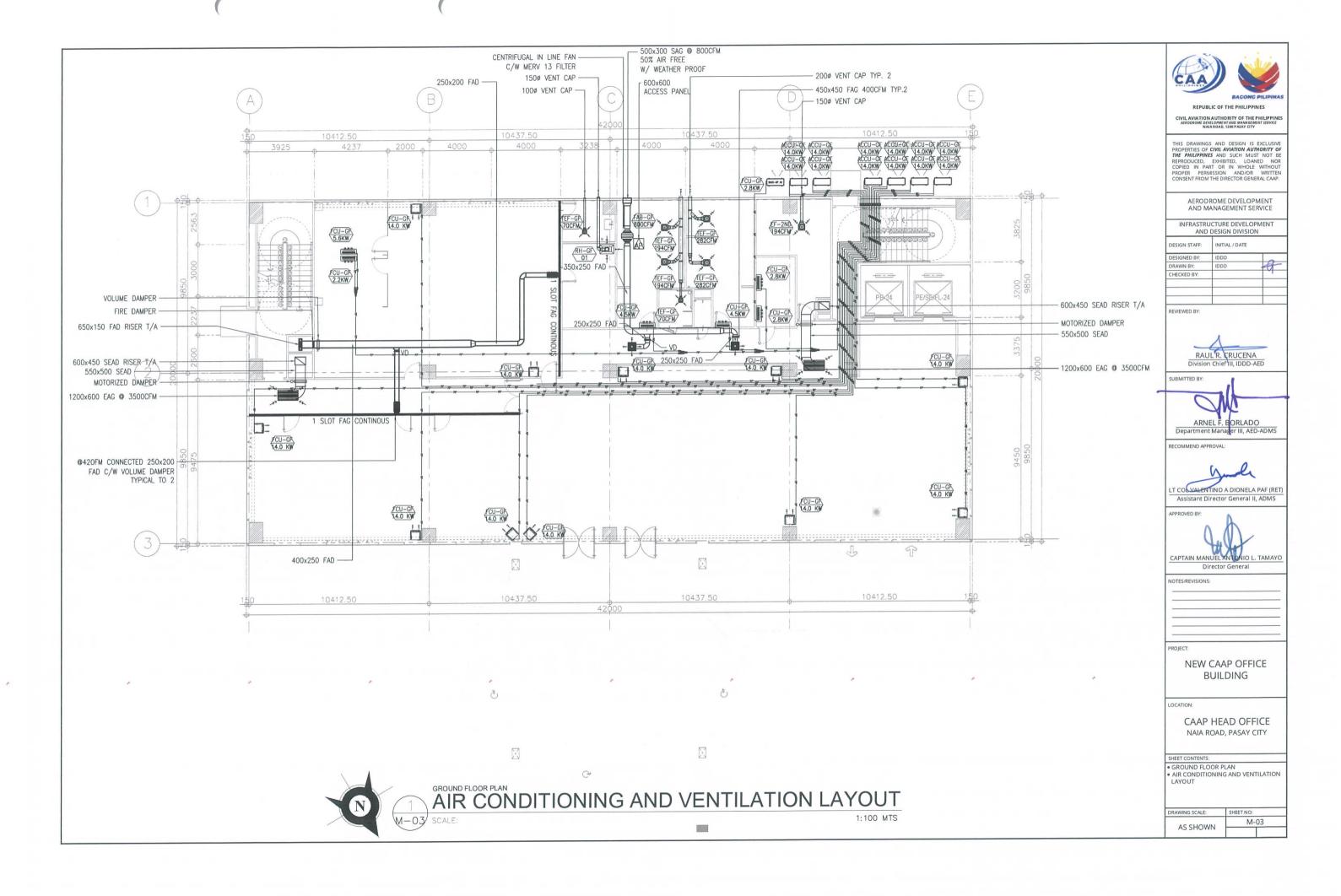
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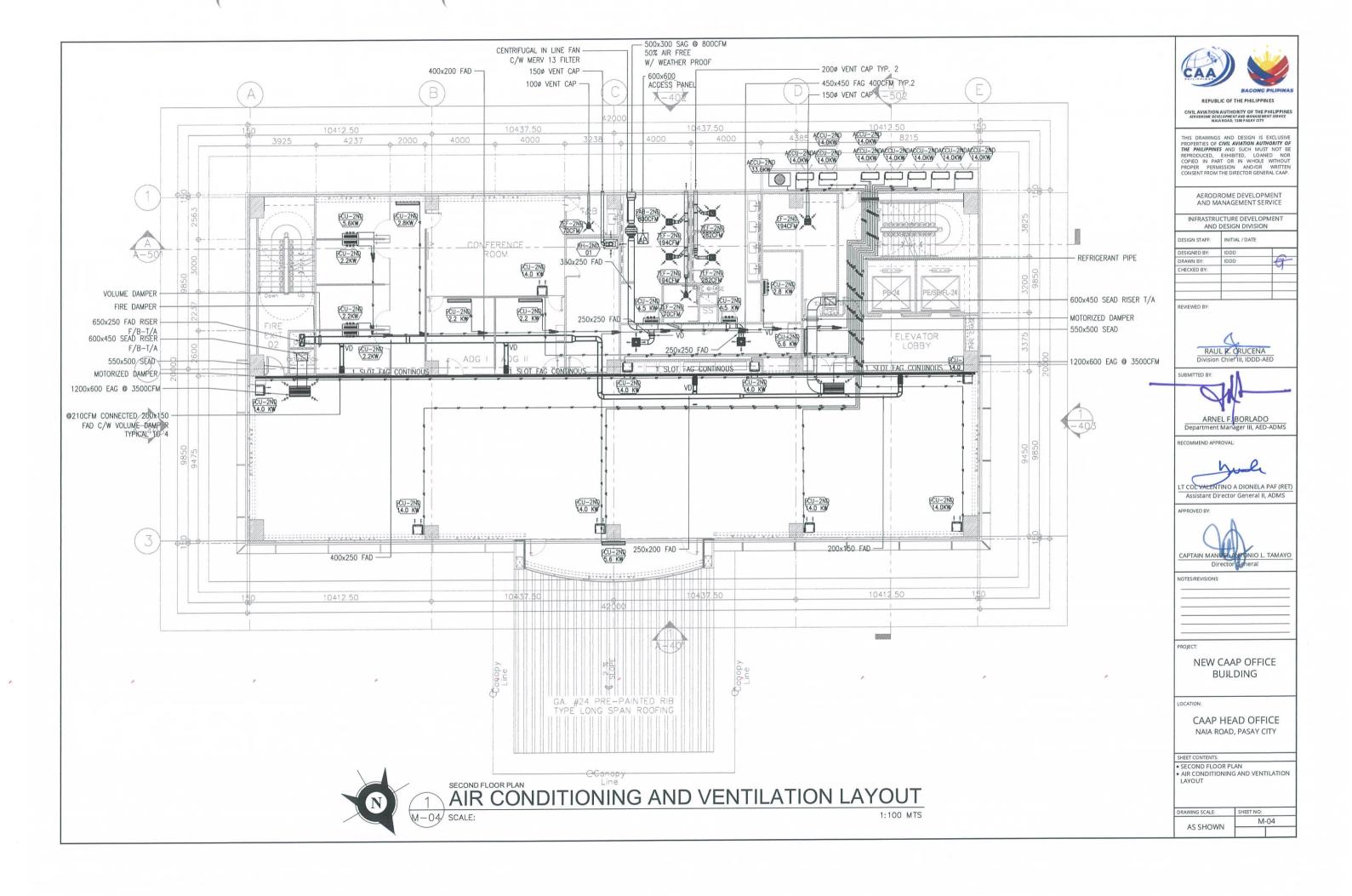
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• EQUIPMENT SCHEDULE

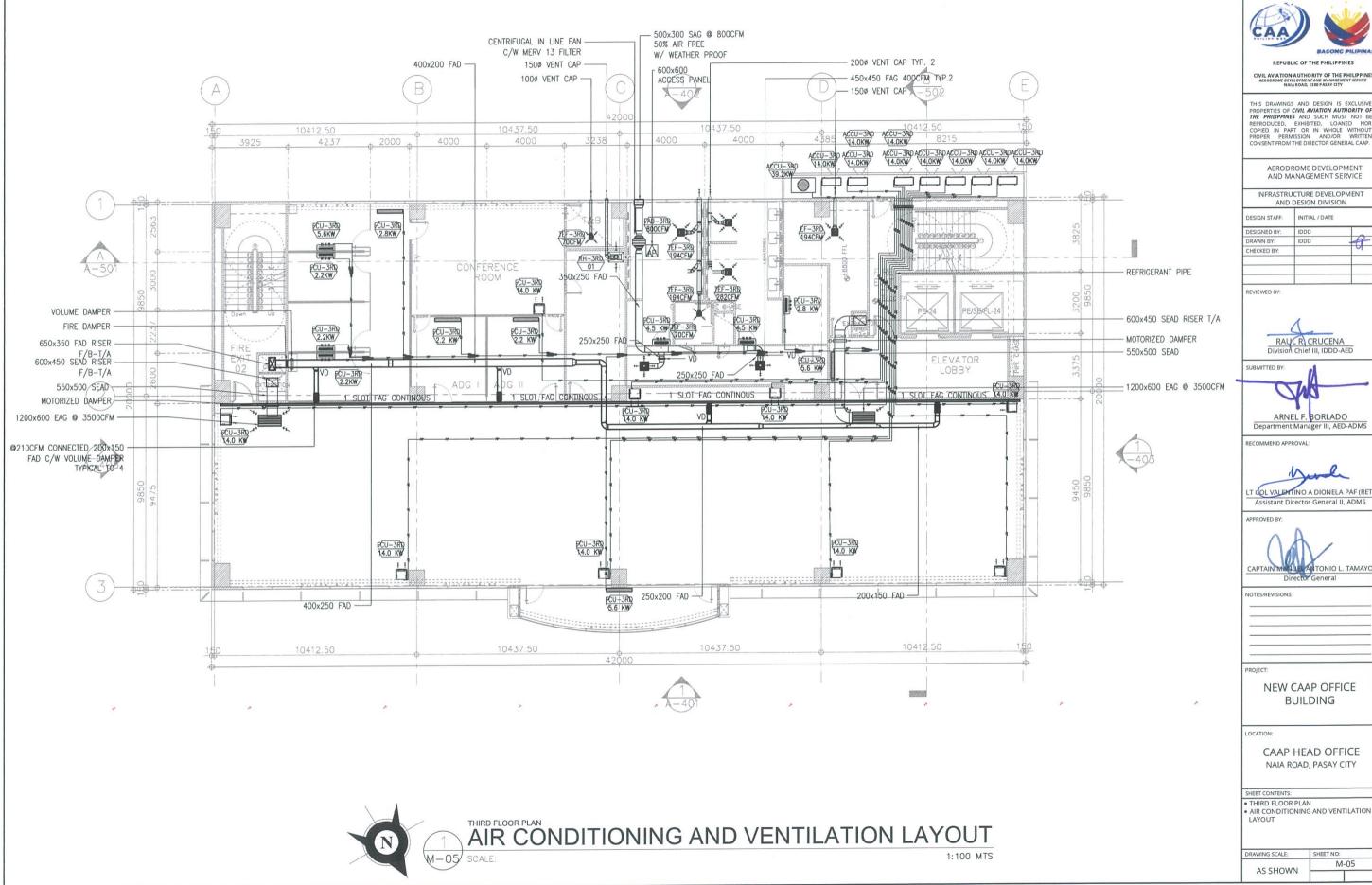
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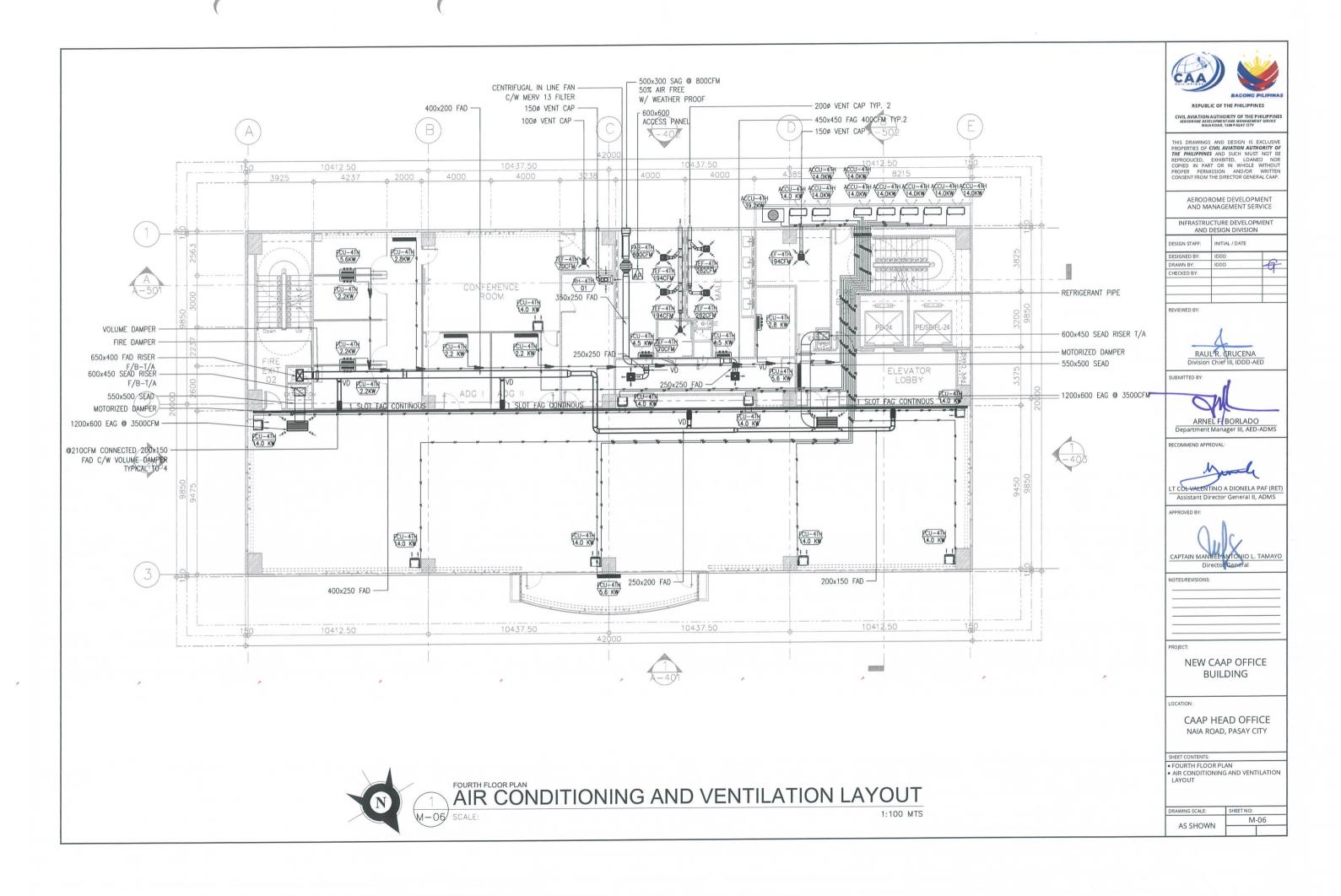


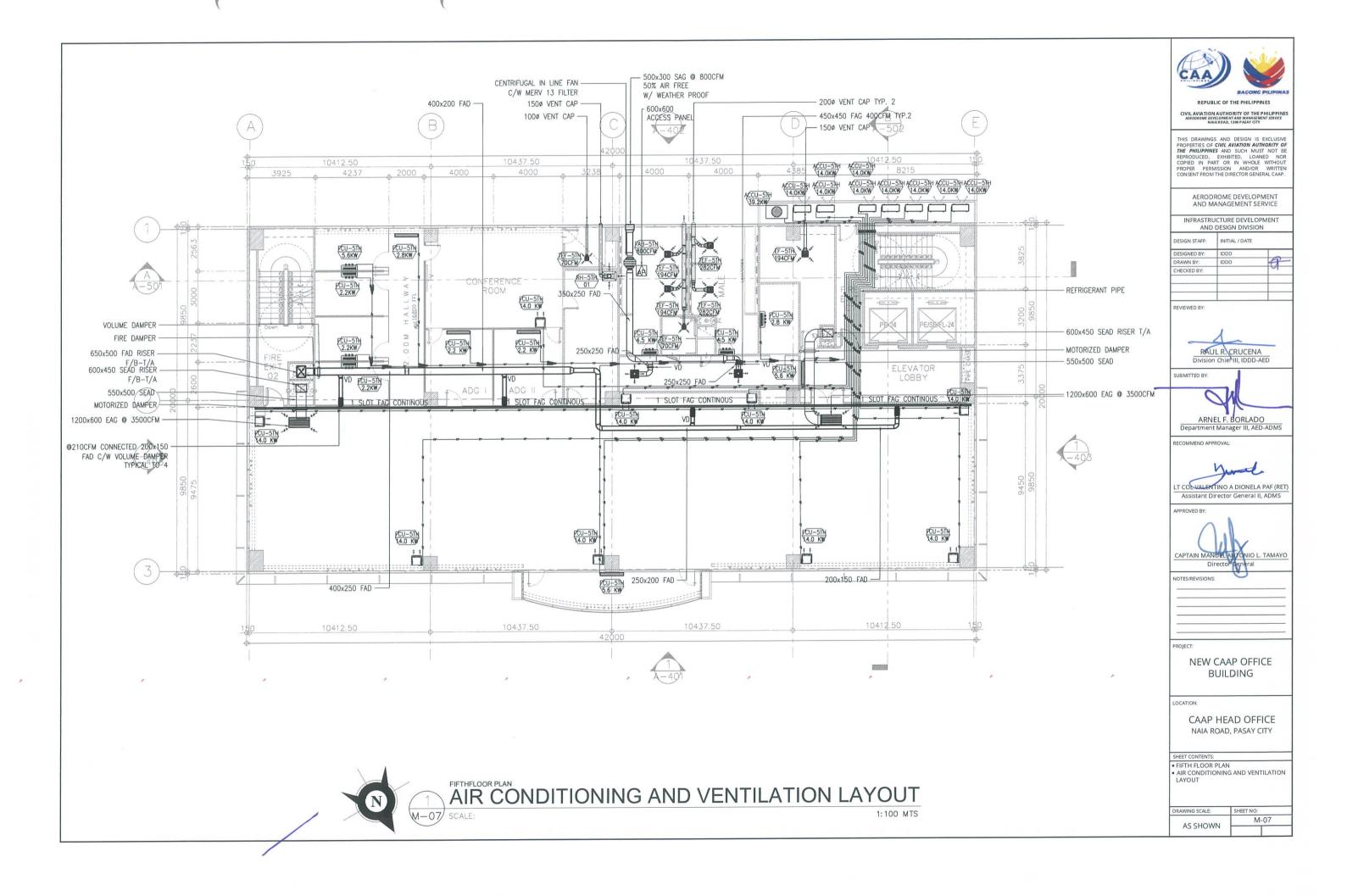


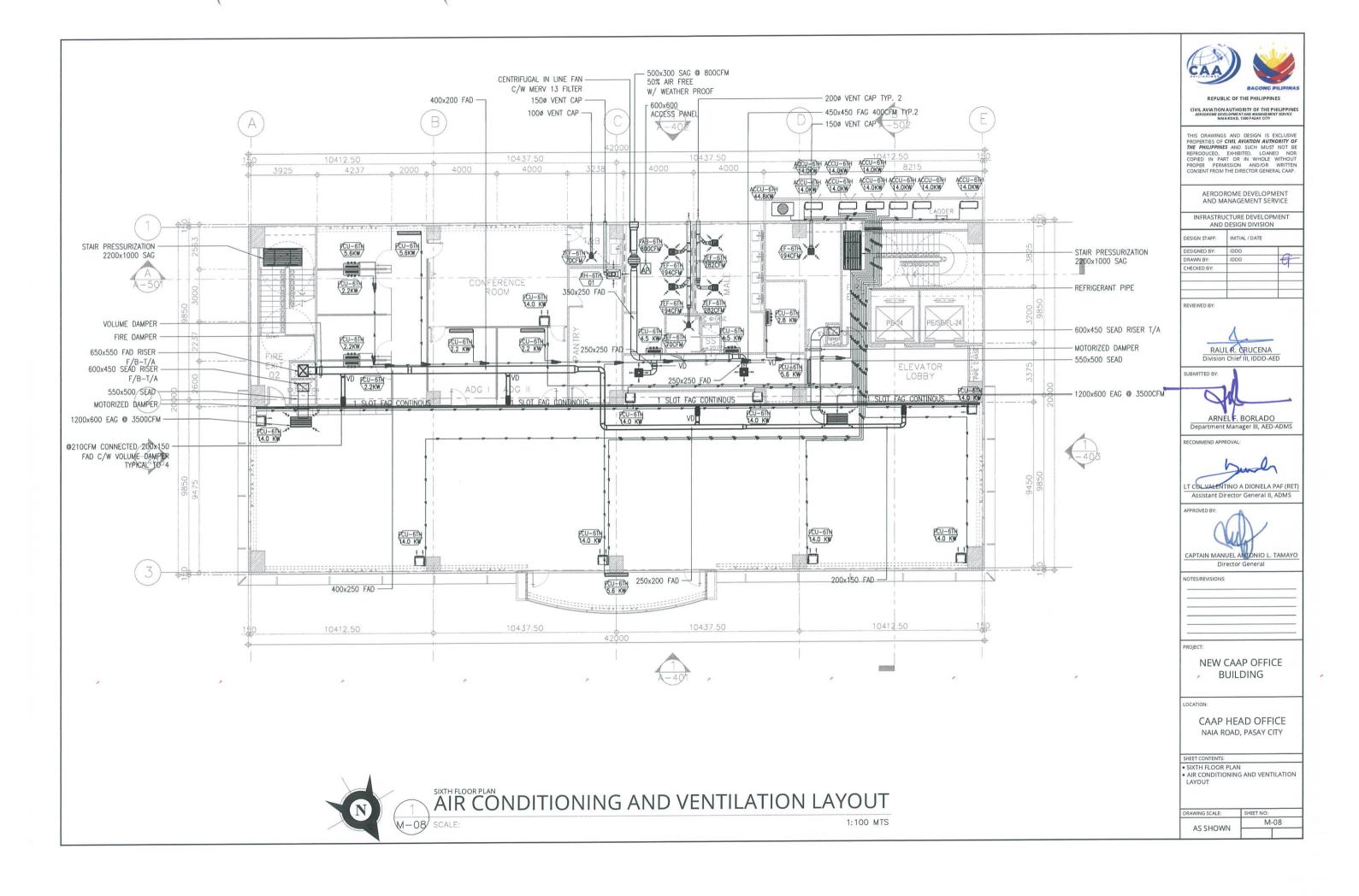


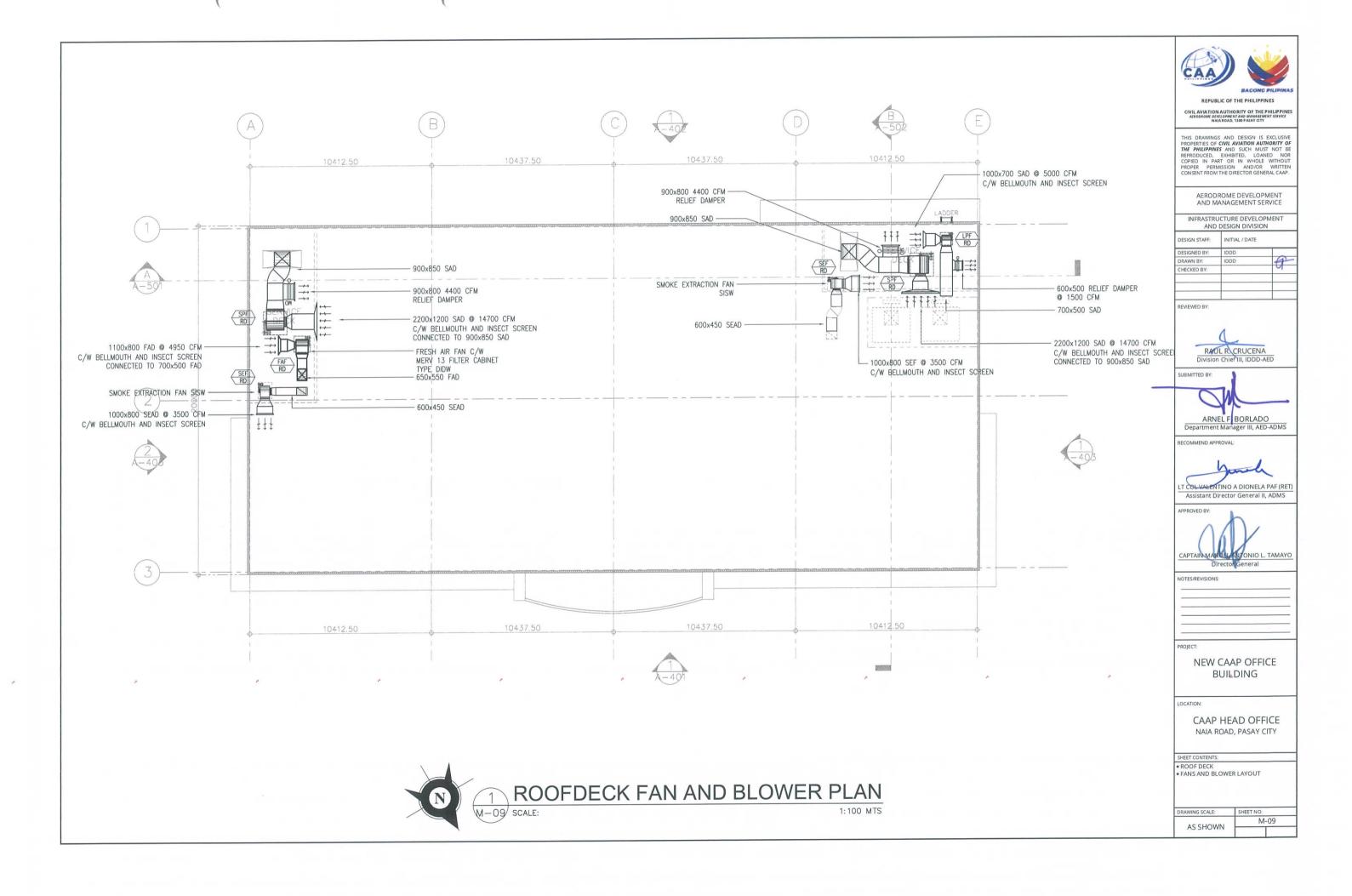
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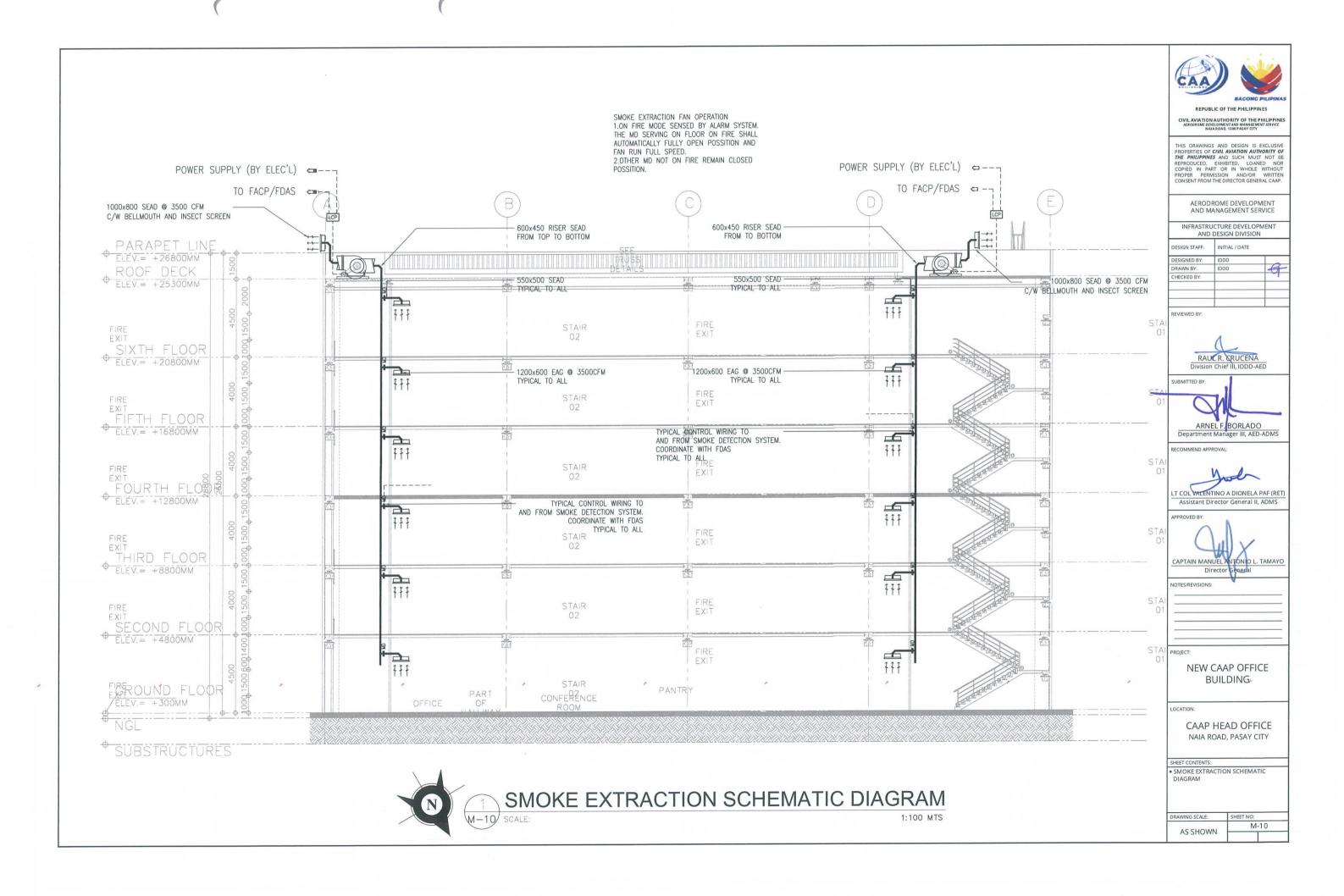
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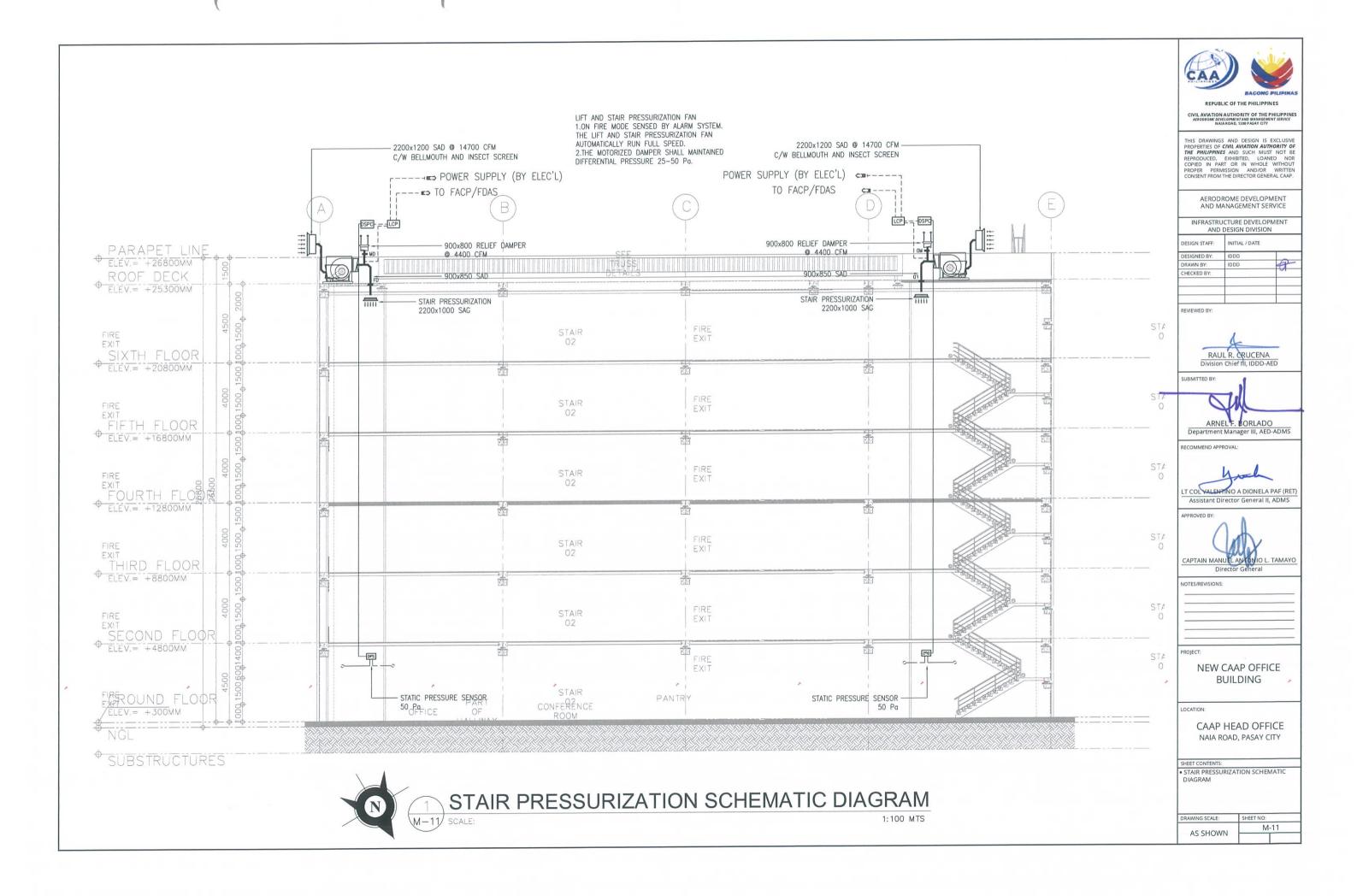


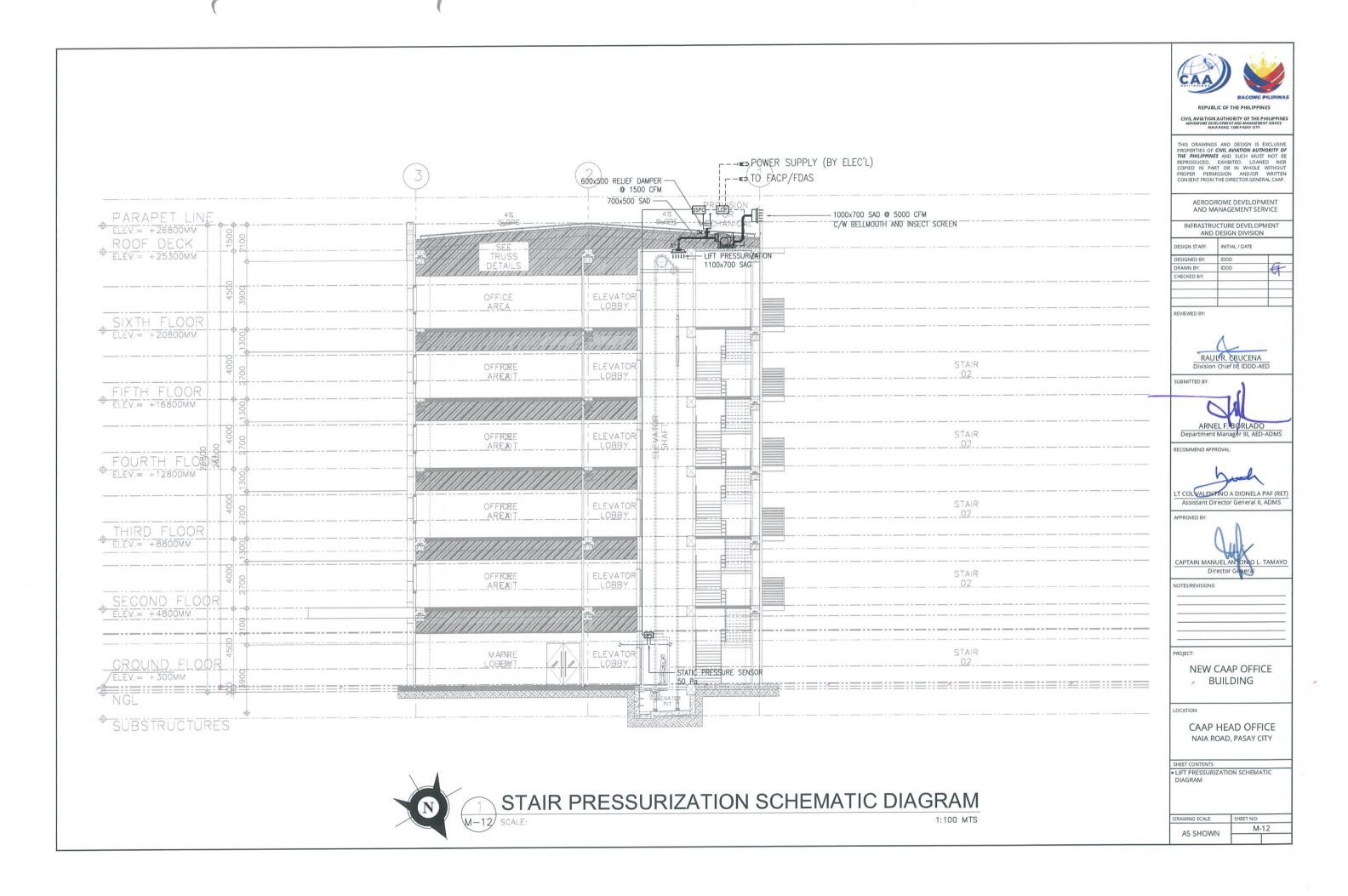


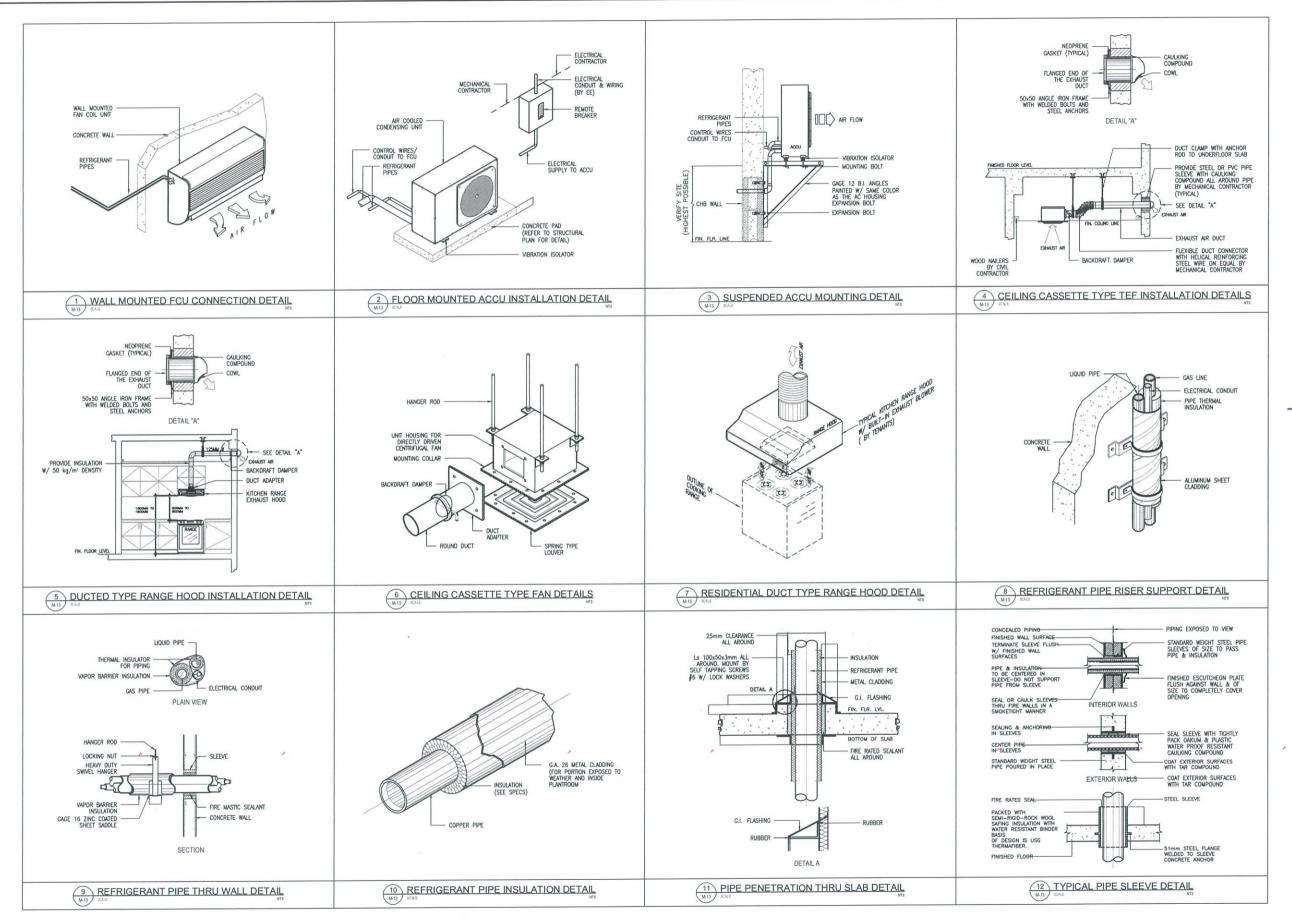
















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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE	
DESIGNED BY:	IDDD	
DRAWN BY:	IDDD	6
CHECKED BY:		

REVIEWED BY:



SUBMITTED BY:



RECOMMEND APPROVAL



APPROVED BY:



OTES/REVISIONS

PROJECT:

NEW CAAP OFFICE BUILDING

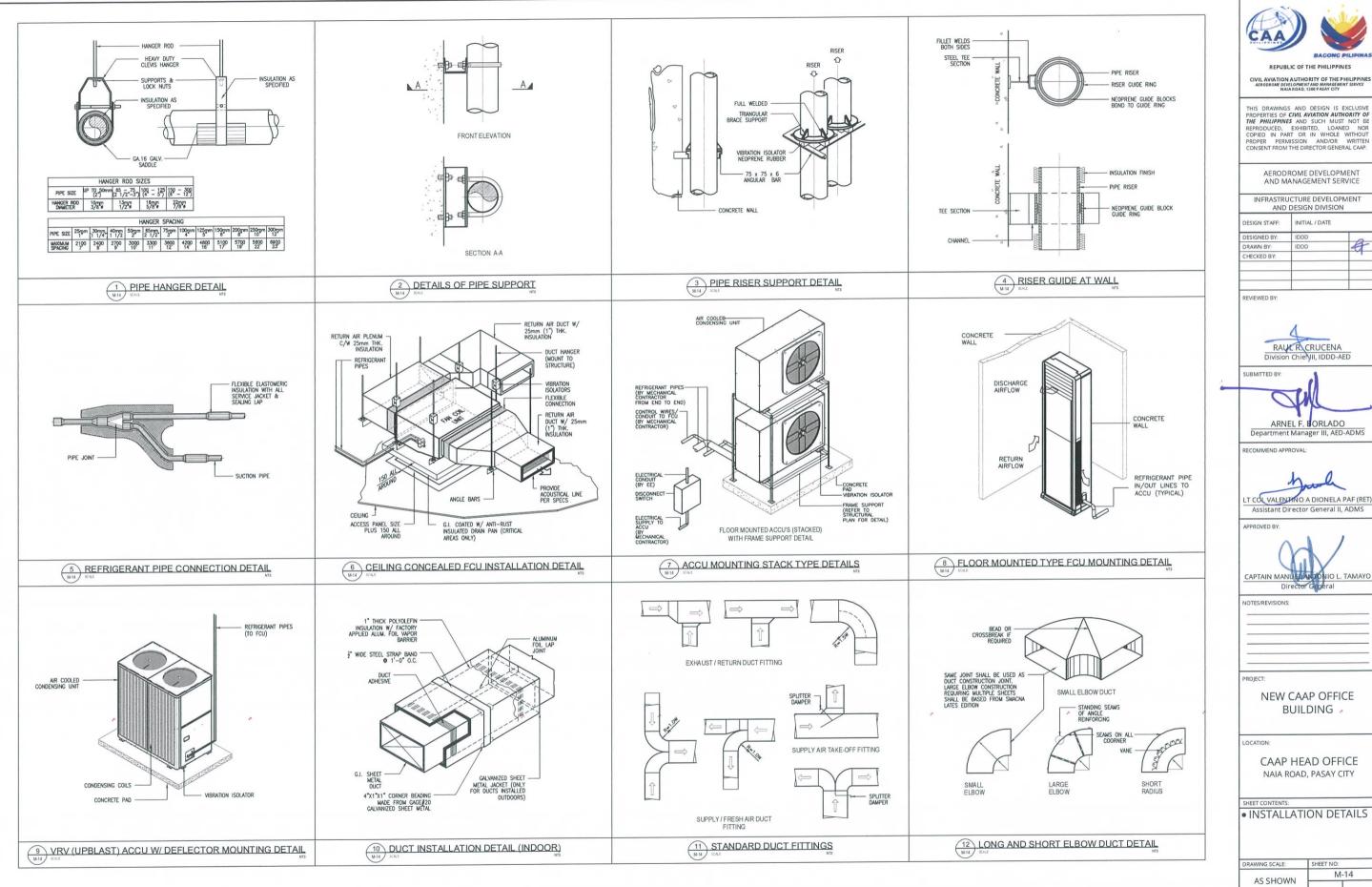
LOCATION:

CAAP HEAD OFFICE NAIA ROAD, PASAY CITY

SHEET CONTENT

• INSTALLATION DETAILS

DRAWING SCALE:	SHEET NO:	
AS SHOWN	M-13	
AS SHOWN		







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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT

AND	DESIGN DIVIS	SICIA
DESIGN STAFF:	INITIAL / DATE	
DESIGNED BY:	IDDD	
DRAWN BY:	IDDD	4
CHECKED BY:		- 1

RAUL R. CRUCENA Division Chief III, IDDD-AED

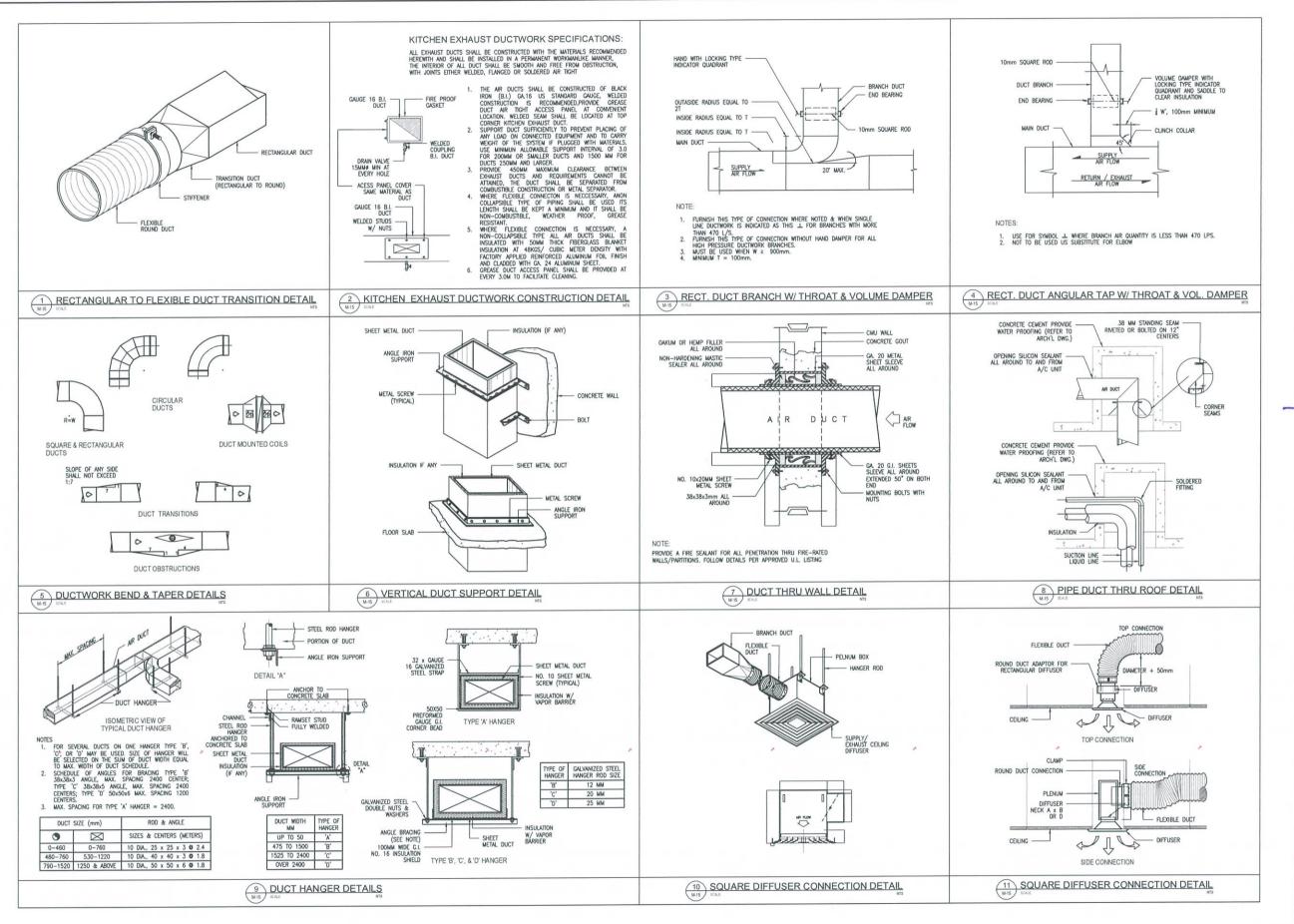


T COL VALENTINO A DIONELA PAF (RET)

NEW CAAP OFFICE BUILDING .

CAAP HEAD OFFICE NAIA ROAD, PASAY CITY

M-14







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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGNED BY: IDDD DRAWN BY: IDDD CHECKED BY:	INITIAL / DATE	
V	IDDD	
CHECKED BY:	IDDD	0
		01
		IDDD

REVIEWED BY





ECOMMEND APPROVAL





OTES/REVISIONS

PROIECT:

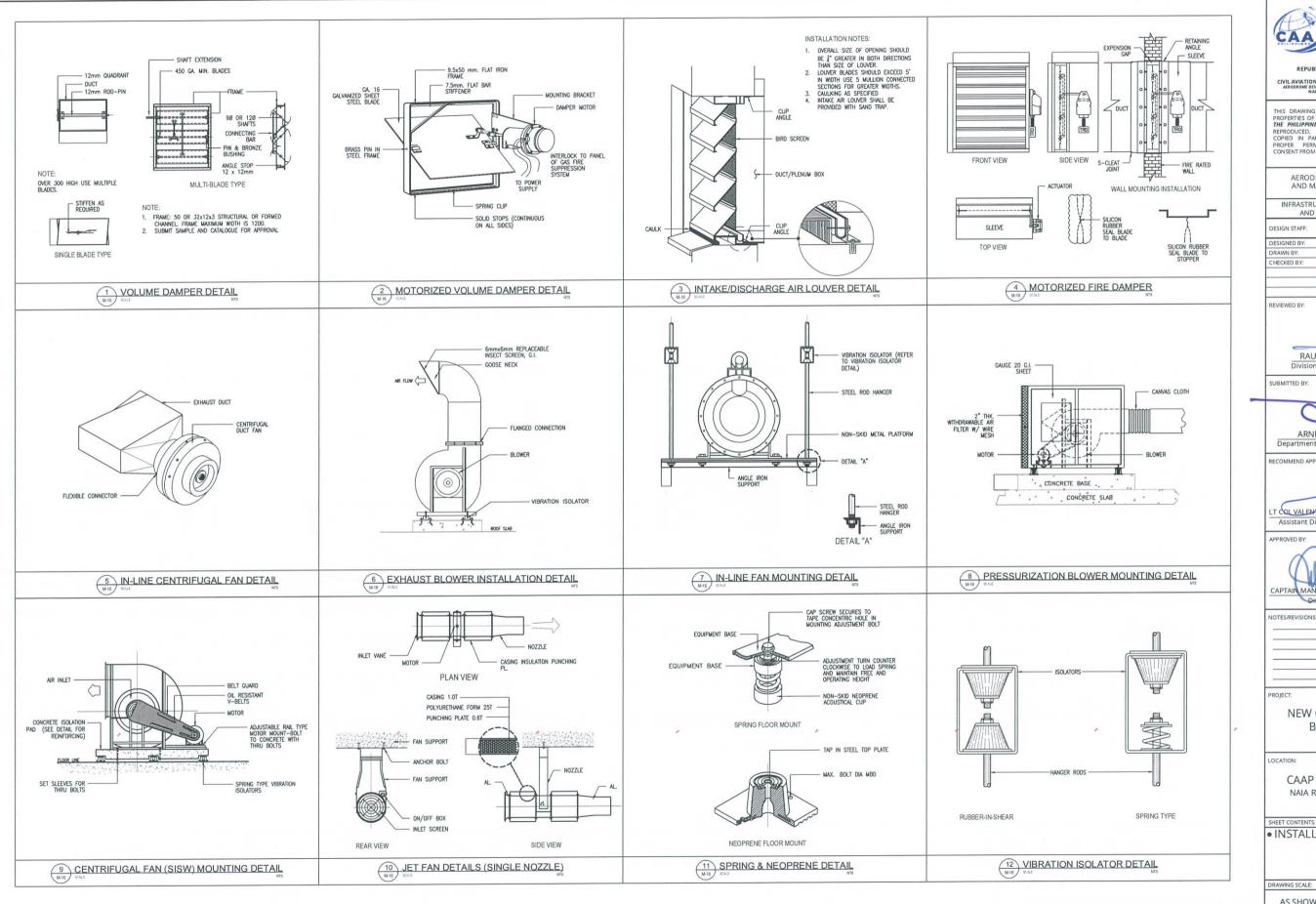
NEW CAAP OFFICE BUILDING

CAAP HEAD OFFICE NAIA ROAD, PASAY CITY

INSTALLATION DETAILS

DRAWING SCALE: SHEET NO

M-15 AS SHOWN







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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE	
DESIGNED BY:	IDDD	
DRAWN BY:	IDDD	4
CHECKED BY:		19

REVIEWED BY



RAULR. CRUCENA



ECOMMEND APPROVAL



Assistant Director General II, ADMS



NEW CAAP OFFICE

BUILDING .

CAAP HEAD OFFICE NAIA ROAD, PASAY CITY

INSTALLATION DETAILS

SHEET NO:
M-16

GENERAL NOTES:

1. ALL FIRE PROTECTION WORKS SHALL CONFORM WITH THE LATES EDITION CODES AND

THE FIRE CODE OF THE PHILIPPINES REVISED IMPLEMENTING RULES & REGULATIONS 2019 NATIONAL BUILDING CODE OF THE PHILIPPINES

PSME - PHILIPPINE SOCIETY OF MECHANICAL ENGINEERS

NFPA 10 - STANDARD FOR PORTABLE FIRE EXTINGUISHER

NFPA 13 — STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEM
NFPA 14 — STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEM

NFPA 20 - STANDARD FOR THE INSTALLATION OF CENTRIFUGAL FIRE PUMP

NFPA 101 - LIFE SAFETY CODE

NFPA 5000 - BUILDING CONSTRUCTION AND SAFETY CODE

UNDERWRITERS LABORATORIES, INC. (UL)

FACTORY MUTUAL (FM)

ASTM - AMERICAN SOCIETY FOR TESTING AND MATERIALS

NEMA - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

DESIGN CRITERIA:

A. TYPE OF OCCUPANCY OFFICES HAZARD CLASSIFICATION LIGHT HAZARD 0.10 GPM/FT2 DESIGN DENSITY 1500 FT² AREA OF SPRINKLER OPERATION MAX. OVERAGE PER SPRINKLER 225 FT²

45 MINUTES MIN. DURATION OF WATER SUPPLY SPRINKLER TEMPERATURE RATING

5.6 GPM/(PSI)1/2 ORIFICE K-FACTOR (SPRINKLER)

COMBINED IN/OUT HOSE STREAM ALLOWANCE : 100 GPM

- 3. ALL POWER WIRING UP TO SPLICE BOX, ECB DONE BY ELECTRICAL CONTRACTOR FROM SPLICE BOX ECB TO EQUIPMENT DONE BY FIRE PROTECTION CONTRACTOR.
- 4. CONTRACTOR SHALL COORDINATE INSTALLATION WITH CONSTRUCTION SUPERVISOR AND WITH ALL OTHER TRADES TO AVOID CONFLICT.
- 5. ALL PIPES PASSING THRU SLAB AND WALL SHALL PROVIDE SLEEVES AND CAULKED WITH FIRE SEALANT.
- 6. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF SPRINKLER IN COORDINATION WITH THE ARCHITECTURAL CEILING LAYOUT. ANY RELOCATION SHALL BE SUBJECT TO ARCHITECT'S AND ENGINEER'S APPROVAL.
- 7. TAP SPRINKLER ALARM PANEL TO FIRE ALARM PANEL. SUBMIT SHOP DRAWING OF SPRINKLER ALARM SYSTEM FOR APPROVAL PRIOR TO INSTALLATION.
- 8. ALL DRAIN PIPES FOR INSPECTORS TEST CONNECTION AND DRAIN VALVES SHALL BE PIPED TO THE NEAREST FLOOR DRAIN PROVIDED BY THE PLUMBING CONTRACTOR.
- 9. FIRE / JOCKEY PUMPS ELECTRICAL CONNECTIONS SHALL BE COORDINATED WITH THE ELECTRICAL CONTRACTOR.
- 10. MINIMUM PIPE SIZE FOR ALL SPRINKLER SHALL BE 250 UNLESS OTHERWISE NOTED.
- 11. ALL PIPE SIZES ARE IN MILLIMETER (MM), DIAMETER, UNLESS OTHERWISE NOTED.
- 12. ALL FEEDMAINS AND CROSSMAINS SHALL HAVE WELDED JOINTS AND ALL BRACHLINES SHALL BE OF THREADED JOINTS, UNLESS OTHERWISE NOTED.
- 13. ALL SPRINKLER PIPES SHALL BE HYDROSTATICALLY TESTED TO A PRESSURE OF 1380 KPg FOR TWO (2) HOURS.
- 14. WORKMANSHIP: THE WORK THROUGHOUT SHALL BE EXECUTED IN THE BEST AND MOST THOROUGH MANNER KNOWN TO TRADE AND TO THE SATISFACTION OF THE ARCHITECT AND THE ENGINEER.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL GOVERNMENT/ LOCAL CONSTRUCTION AND OPERATION PERMITS AND PAY ALL THE REQUIRED FEES.
- 16. DRAIN PIPE OF THE SYSTEM SHALL BE CONNECTED THE NEAREST DRAIN. COORDINATE WITH PLUMBING CONTRACTOR.
- 17. EE ROOM, SHALL BE PROTECTED BY CEILING TYPE FIRE EXTINGUISHER.
- 18. ALL SERVICE EQUIPMENT AND PIPING SHALL BE PAINTED BY RED COLOR (SAFETY RED) WITH COATING OF RED OXIDE PRIMER.
- 19. WHEN WELDING WORKS IS NEEDED, SPRINKLER AND STANDPIPE PIPING SHALL BE SHOP
- 20. PROVIDE MECHANICAL COUPLING CONNECTION FOR EVERY 12METERS OF LENGTHS.
- 21. OTHER EQUIPMENT, VALVE, ETC. NOT SHOWN ON THE PLAN TO COMPLETE THE SYSTEM OPERATIONAL SHALL BE INCLUDED.

SYMBOLS	DESCRIPTION	SYMBOLS	DESCRIPTION
	SUPPLY PIPE/BRANCHLINE/	№	ABC PORTABLE FIRE EXTINGUISHER
	FEEDMAIN/FDC PIPE/CROSSMAIN/	>	CO2 PORTABLE FIRE EXTINGUISHER
	DRAIN PIPE	0	PUMP
	UNDERGROUND SUPPLY PIPE	•	RISER
	CAPPED PIPE	ů	3-WAY FIRE DEPARTMENT CONNECTION
\rightarrow \leftarrow	CONTINUOUS PIPE	₹'	ROOF MANIFOLD
FM	FLOW METER	− 0 4	UPRIGTH SPRINKLER HEAD
->-	GATE VALVE	-• ◊	PENDENT SPRINKLER HEAD
И	CHECK VALVE	⊸	SIDEWALL SPRINKLER HEAD
宁	AUTOMATIC AIR VENT	P	PRESSURE GAUGE
₩	ALARM CHECK VALVE	0	50 LBS (22.7 KG.) WHEELED TYPE CO2 FIRE EXTINGUISHER
X 4	PRV (PRESSURE REDUCING VALVE)	0	CEILING TYPE FIRE EXTINGUISHER
	FIRE HOSE CABINET(CLASS 2)		

A	BREVIATIONS		
AAV	AUTOMATIC AIR VENT	GV	GATE VALVE
ACV	ALARM CHECK VALVE	GPM	GALLONS PER MINUTE
CV	CHECK VALVE	KW	KILOWATT
FDC	FIRE DEPARTMENT CONNECTION	HP	HORSEPOWER
FHC	FIRE HOSE CABINET	PFE	PORTABLE FIRE EXTINGUISHER
F/A	FROM ABOVE	RN	RISER NIPPLE
F/B	FROM BELOW	TYP	TYPICAL
FM	FLOW METER	T/A	TO ABOVE
FHV	FIRE HOSE VALVE	T/B	TO BELOW

CUT-IN

(PSI)

180

190

60

GROUND FLOOR FIRE PROTECTION LAYOUT

3RD-5TH FLOOR FIRE PROTECTION LAYOUT (TYPICAL)

2ND FLOOR FIRE PROTECTION LAYOUT

6TH FLOOR FIRE PROTECTION LAYOUT

ROOF DECK FIRE PROTECTION LAYOUT

SCHEMATIC RISER DIAGRAM

PUMP ROOM DETAILS

MISCELLANEOUS DETAILS MISCELLANEOUS DETAILS

MISCELLANEOUS DETAILS

FP-00 SCALE:

FP-11 PUMP ROOM PIPING ISOMETRIC DRAWING

CHARACTERISTIC

VOLTS PHASE HERTZ

CUT-OUT

(PSI)

195

DRAWING INDEX

DRAWING INDEX, GENERAL NOTES, LEGENDS & SYMBOLS, ABBREVIATIONS, EQUIPMENT SCHEDULE

DRAWING INDEX

OPERATION

DUTY

DUTY



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AFRODROME DEVELOPMENT

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION DESIGN STAFF: DESIGNED BY: IDDD IDDD DRAWN BY: CHECKED BY:

REVIEWED BY:

RAUL R. CRUCENA Division Chief III, IDDD-AED

ARNEL F. BORLADO Department Manager III, AED-ADMS

ECOMMEND APPROVAL

COL VALENTINO A DIONELA PAE (RET Assistant Director General II, ADMS

APPROVED BY

CAPTAIN MANUEL ANTONIO L. TAMAYO Director General

NOTES/REVISIONS:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE NAIA ROAD, PASAY CITY

SHEET CONTENTS • GENERAL NOTES ABBREVIATIONS, LEGENDS & SYMBOLS

EQUIPMENT SCHEDULE · PIPE SCHEDULE

DRAWING INDEX

DRAWING SCALE: FP-00 AS SHOWN

3 EQUIPMENT SCHEDUL FP-00 SCALE:

ABBREVIATION, LEGEND AND SYMBOLS

APPROX MOTOR

HEAD FT.

416

457

(BHP)

150

10

400

FP-00

FP-01 FP-02

FP-03

FP-05

FP-06

FP-07

FP-10

CAPACITY

(GPM)

750

50

LOCATION

PUMP ROOM

PUMP ROOM

NOTE:

PIPE SCHEDULES FOR LIGHT HAZARD AREAS FOR ORDINARY HAZARD AREAS

FP-00 SCALE:

SERVICE

FIRE PUMP

JOCKEY PUM

EQUIPMENT SCHEDULE

TYPE

VERTICAL TURBINE

OCKEY PUMP

PLIME

NO.

MATERIAL : STEEL						
ø25	2 SPRINKLERS					
ø32	3 SPRINKLERS					
ø40	5 SPRINKLERS					
ø50	10 SPRINKLERS					
Ø65	30 SPRINKLERS					
ø80	60 SPRINKLERS					
ø90	100 SPRINKLERS					
ø100	MORE THAN 100 SPRINKLERS					

PIPE SCHEDULES

MATER	MATERIAL : STEEL			
ø25	2 SPRINKLERS			
ø32	3 SPRINKLERS			
Ø40	5 SPRINKLERS			
ø50	10 SPRINKLERS			
Ø65	20 SPRINKLERS			
Ø80	40 SPRINKLERS			
ø90	65 SPRINKLERS			
ø100	100 SPRINKLERS			

PIPE SCHEDULE

FP-00 SCALE:

GENERAL NOTES FP-00 SCALE: NTS