

REHABILITATION OF AFG BUILDING
DEMOLITION PLAN
 SCALE: 1 : 200 M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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 ADD II ADMS

CAPTAIN MAURICIO ANTONIO L. TAMAYO
 ADD II General

NOTES/REVISIONS:

PROJECT: REHABILITATION OF 2ND FLR AIRWAYS FACILITY COMPLEX

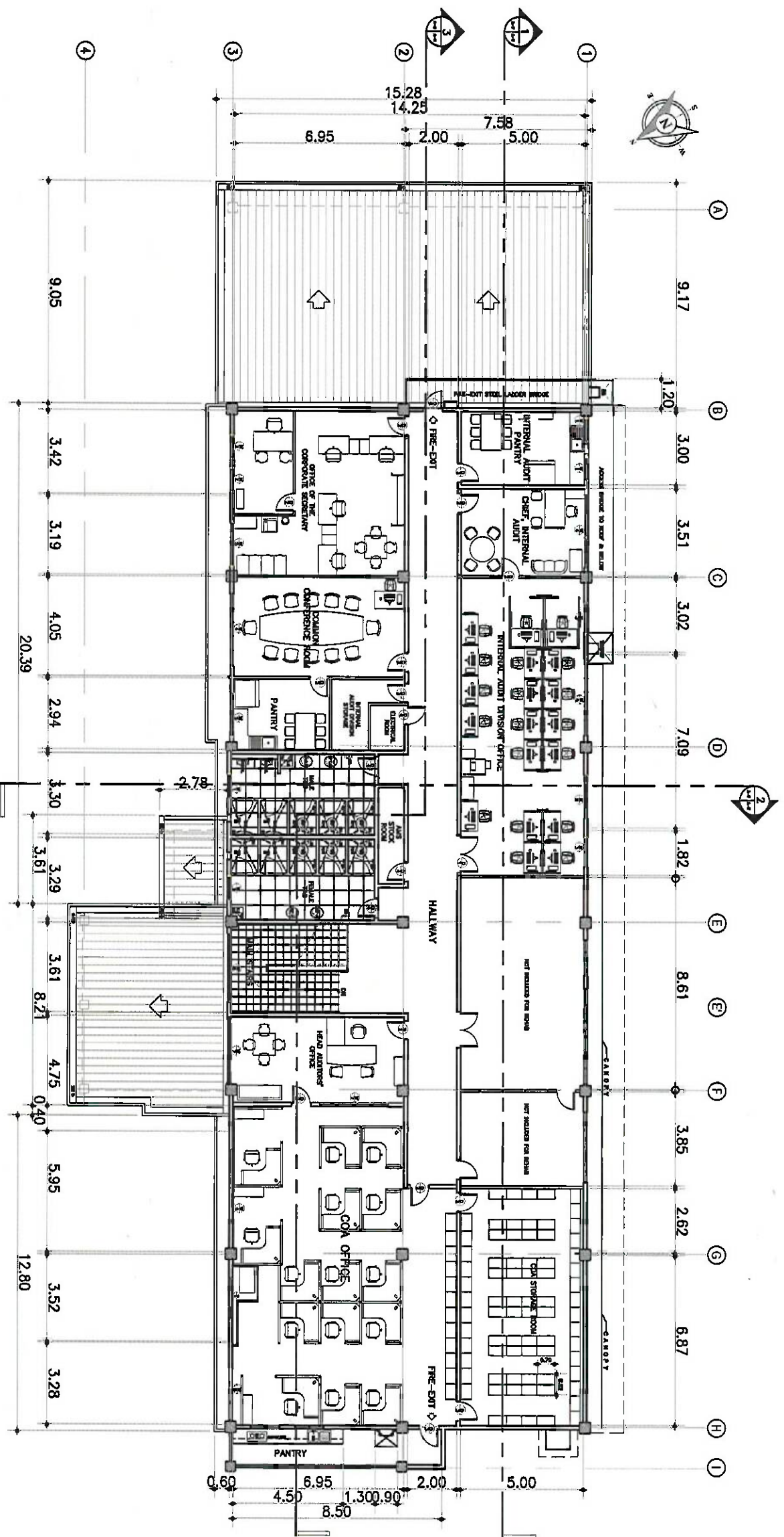
LOCATION:

CAAP HEAD OFFICE
 NAIA ROAD COR. N. AQUINO AVE,
 PASAY CITY

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REHABILITATION OF AFC BUILDING
1
A-2A-2
PROPOSED FLOOR PLAN
SCALE: 1 : 200 M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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ADGIL ADAMS

CAPTAIN I. ANTONIO L. TAMAYO

Director General

NOTES/REVISIONS:

PROJECT: REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX

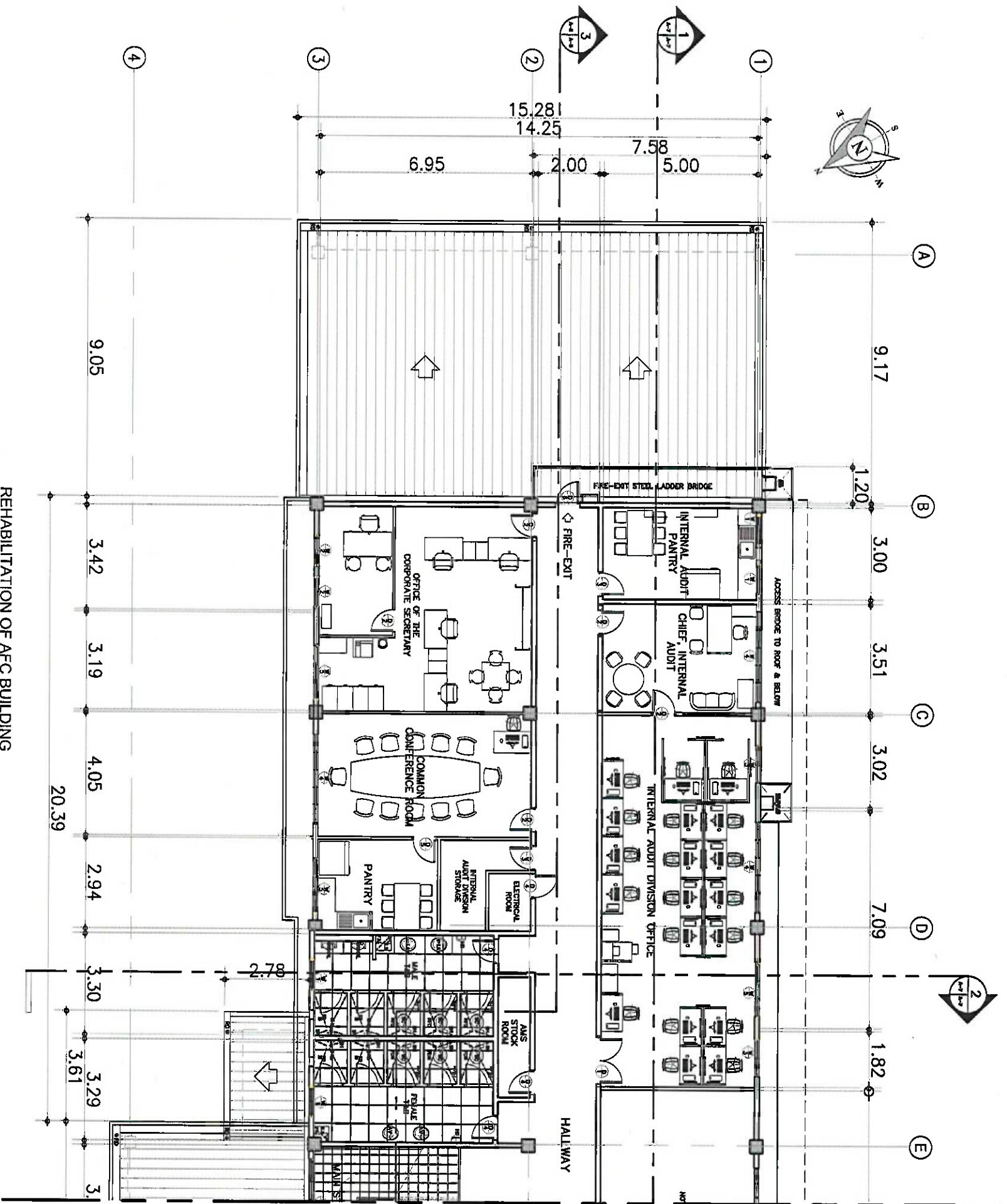
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REHABILITATION OF AFC BUILDING
BLOW-UP PLAN
SCALE: 1 : 150 M



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
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CAPTAIN MANUEL ANTONIO TAMAYO
Director General

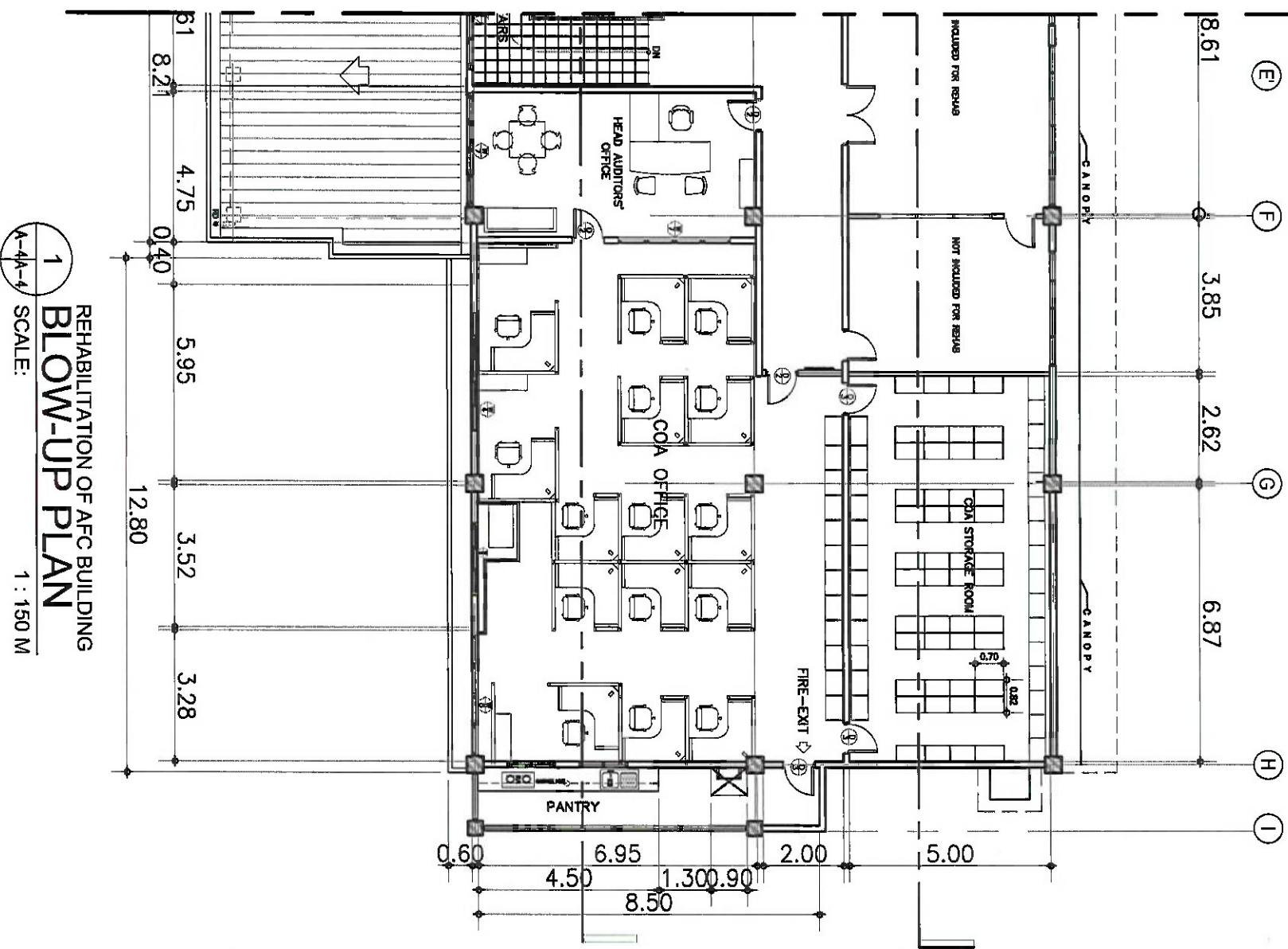
NOTES/REVISIONS:

PROJECT:
REHABILITATION OF 2ND FLR.
AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD COR. N. AQUINO AVE.
PASAY CITY

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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PROJECT:
REHABILITATION OF 2ND FLR.
AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NMA ROAD COR. N. AQUINO AVE,
PASAY CITY

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Department of Transportation

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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CAPTAIN MANUEL JOLO TAMAYO
Director

NOTES/REVISIONS:

PROJECT: REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX

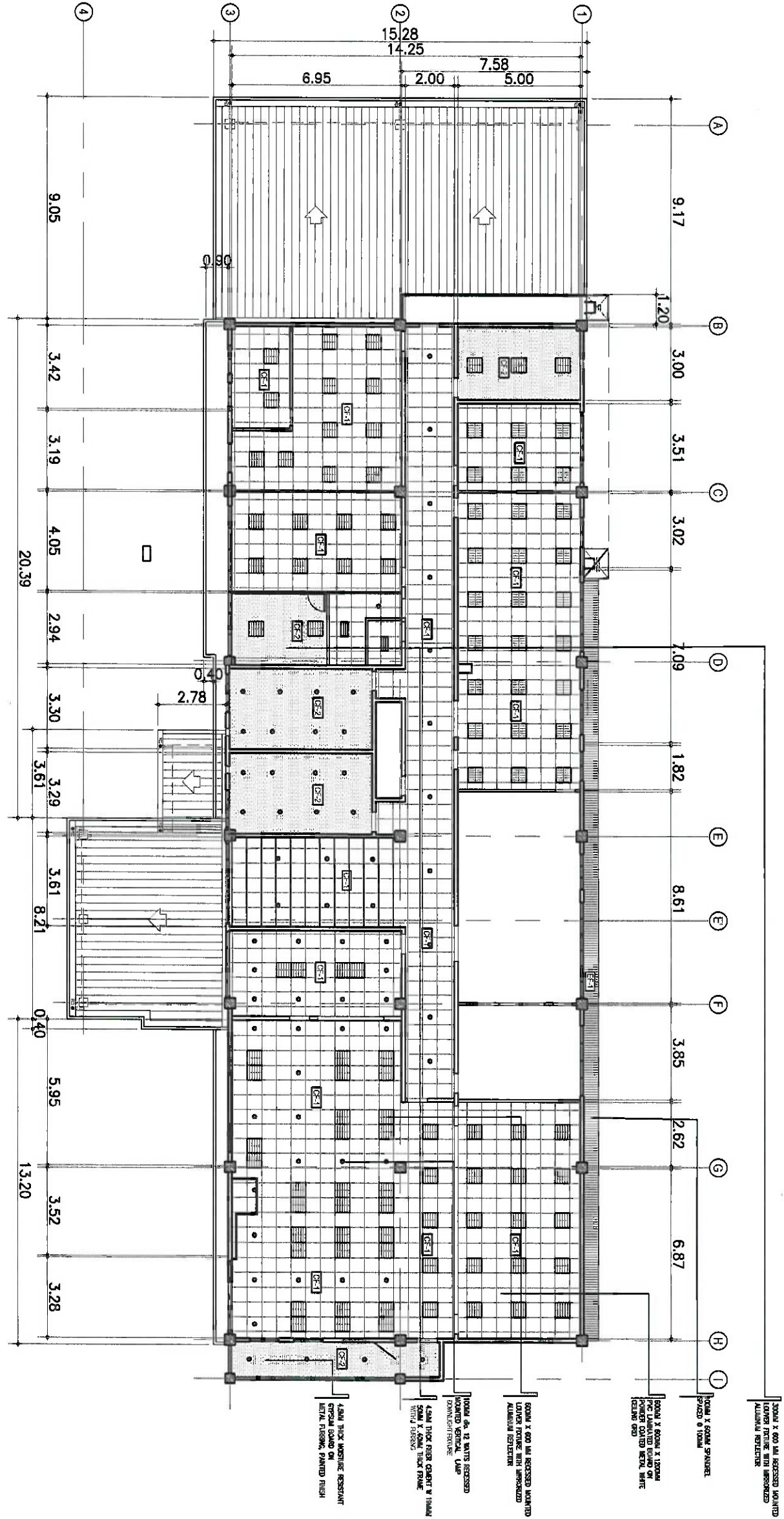
LOCATION: CAAP HEAD OFFICE
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PASAY CITY

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AS SHOWN



REHABILITATION OF AFC BUILDING
REFLECTED CEILING PLAN
SCALE: 1 : 200 M

LEGENDS		REMARKS
	RECESSED LOWER TYPE LED LUMINAIRE FIXTURE	
	100MM x 12MM RECESSED MOUNTED VERTICAL LAMP DOWNLIGHT FIXTURE	
	600MM x 300MM SURFACE TYPE SUSPENDED FLUORESCENT FIXTURE WITH INTEGRATED ALUMINUM REFLECTOR	
SCHEDULE OF CEILING FINISHES		REMARKS
MARK	FINISHES	
CE-1	600MM x 600MM PVC LAMINATED BOARD ON POWER COATED METAL WHITE CEILING GRID	
CE-2	4.5MM THICK FIBER CEMENT W/ 150MM x 500MM x 4MM THICK FRAME WITH J FLOORING	
EF-1	METAL SPRANGEL	



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1001 COMMERCE CENTER
PASAY CITY

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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

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DESIGN BY: CBR

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Department Manager III, ADAMS

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ADRIIL ADAMS

NOTES/REVISIONS:
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Director General

PROJECT:
REHABILITATION OF 2ND FLR
AIRMAN'S FACILITY COMPLEX

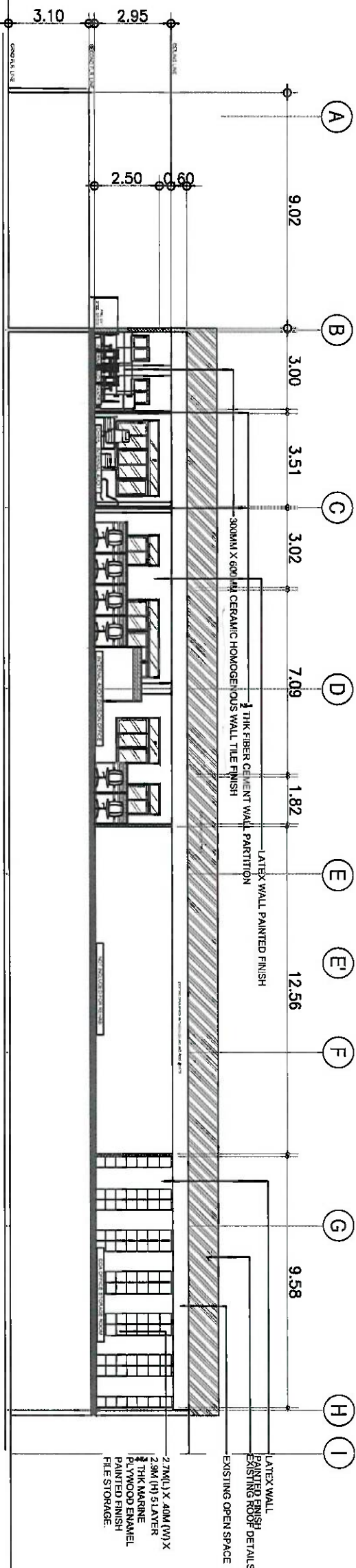
LOCATION:
CAAP HEAD OFFICE
NAIA ROAD COR. N. AQUINO AVE,
PASAY CITY

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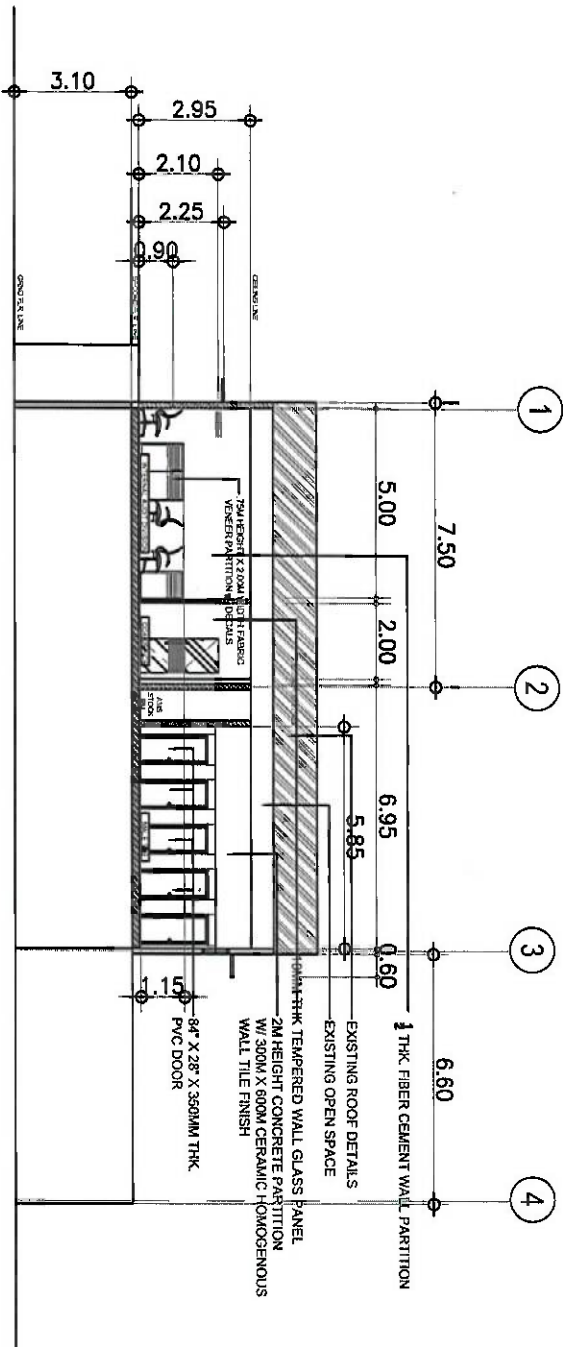
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DRAWING SCALE: SHEET NO.

AS SHOWN



REHABILITATION OF AFC BUILDING
DETAILED SECTION '1'
SCALE: 1 : 200 M



REHABILITATION OF AFC BUILDING
DETAILED SECTION '2'
SCALE: 1 : 200 M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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Division Chief III, ADMS

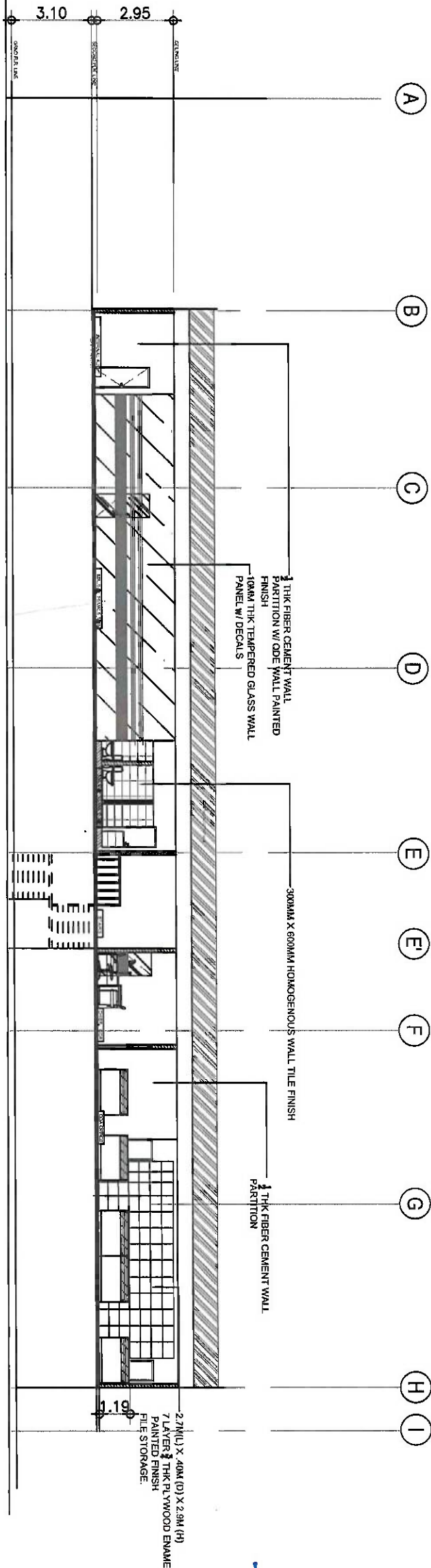
NOTES/REVISIONS:

PROJECT:
REHABILITATION OF 2ND FLR,
AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD COR. N. AQUINO AVE,
PASAY CITY

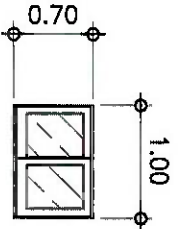
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DRAWING SCALE:	SHEET NO.:
AS SHOWN	



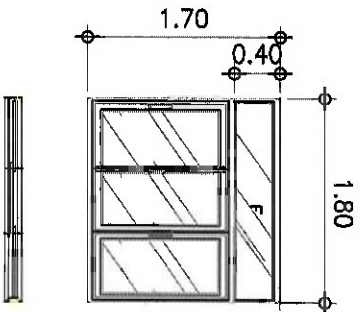
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REHABILITATION OF AFC BUILDING
DETAILED SECTION '3'
SCALE: 1 : 200 M

PLS REFLECT SECTION '3' in the
FLOOR PLAN



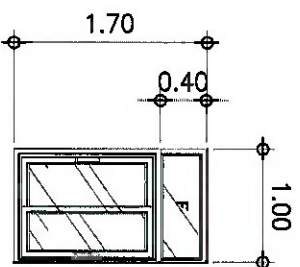
W01 TWO BAY SLIDING TYPE GLASS WINDOW W/ 6MM THK ANNEALED CLEAR FLOAT GLASS W/ ALUMINUM POWDERED COATED FRAME

DIMENSION	1000MM X 700MM
HARDWARES	COMPLETE HARDWARE ACCESSORIES
LOCATION	INTERNAL AUDIT DIV. OFFICE/ TOWER 2 SOUTH
NO. OF SETS	4 SETS
J	50MM X 100MM ALUMINUM FRAME
H	
M	
T	



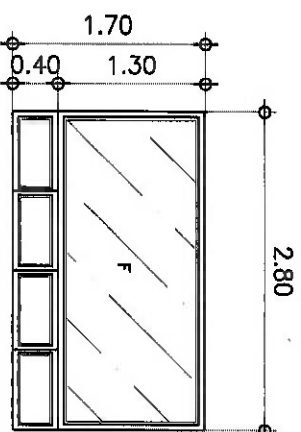
W05 THREE BAY SLIDING WINDOW TYPE W/ 6MM THK CLEAR ANNEALED GLASS W/ ALUMINUM POWDERED COATED FRAME W/ FIXED 6MM THK CLEAR ANNEALED GLASS ON TOP.

DIMENSION	1800MM X 1700MM/ 1800MM X 400MM(FIXED)
HARDWARES	COMPLETE HARDWARE ACCESSORIES
LOCATION	INTERNAL AUDIT DIV. OFFICE/ COMMON CONFERENCE RM. PENTRY
NO. OF SETS	5 SETS
J	50MM X 100MM ALUMINUM FRAME
H	
M	
T	50MM X 100MM ALUMINUM FRAME



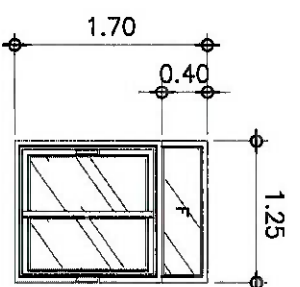
W02 TWO BAY SLIDING TYPE GLASS WINDOW W/ 6MM THK ANNEALED CLEAR FLOAT GLASS W/ ALUMINUM POWDERED COATED FRAME

DIMENSION	1000MM X 2100MM/ 1000MM X 400MM (FIXED)
HARDWARES	COMPLETE HARDWARE ACCESSORIES
LOCATION	CORPORATE SECRETARY OFFICE
NO. OF SETS	2 SETS
J	50MM X 100MM ALUMINUM FRAME
H	
M	
T	50MM X 100MM ALUMINUM FRAME



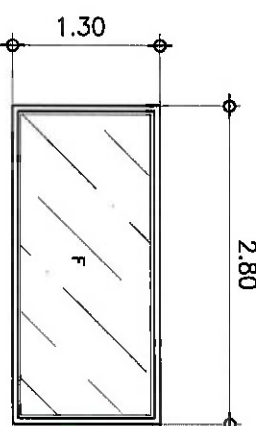
W06 FIXED 6MM THK CLEAR WINDOW TYPE ANNEALED GLASS W/ ALUMINUM POWDERED COATED FRAME W/ ANNING WINDOW TYPE 6MM THK CLEAR ANNEALED GLASS BELOW

DIMENSION	2800MM X 1700MM (FIXED) 2800MM X 400MM (ANNING)
HARDWARES	COMPLETE HARDWARE ACCESSORIES
LOCATION	MAIN STAIRWAY
NO. OF SETS	1 SET
J	50MM X 100MM ALUMINUM FRAME
H	
M	
T	



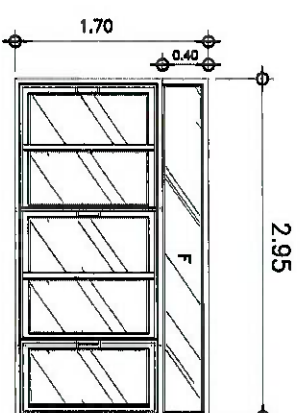
W03 TWO BAY SLIDING TYPE GLASS WINDOW W/ 6MM THK ANNEALED CLEAR FLOAT GLASS W/ ALUMINUM POWDERED COATED FRAME W/ FIXED 6MM THK CLEAR ANNEALED GLASS ON TOP.

DIMENSION	1250MM X 1700MM/ 1250MM X 400MM (FIXED)
HARDWARES	COMPLETE HARDWARE ACCESSORIES
LOCATION	INTERNAL AUDIT DIVISION OFFICE
NO. OF SETS	2 SETS
J	50MM X 100MM ALUMINUM FRAME
H	
M	
T	50MM X 100MM ALUMINUM FRAME



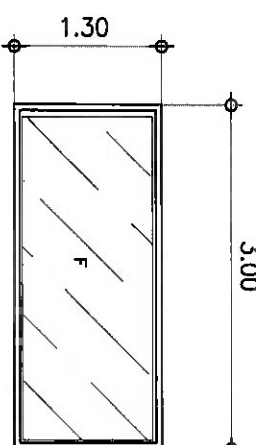
W07 FIXED 6MM THK CLEAR WINDOW TYPE ANNEALED GLASS W/ ALUMINUM POWDERED COATED FRAME.

DIMENSION	2800MM X 1300MM
HARDWARES	COMPLETE HARDWARE ACCESSORIES
LOCATION	OFFICE OF THE CHIEF, COA
NO. OF SETS	2 SETS
J	50MM X 100MM ALUMINUM FRAME
H	
M	
T	



W04 FIVE BAY SLIDING WINDOW TYPE W/ 6MM THK CLEAR ANNEALED GLASS W/ ALUMINUM POWDERED COATED FRAME W/ FIXED 6MM THK CLEAR ANNEALED GLASS ON TOP.

DIMENSION	2950MM X 1700MM/ 2950MM X 400MM (FIXED)
HARDWARES	COMPLETE HARDWARE ACCESSORIES
LOCATION	INTERNAL AUDIT OFFICE/ CHIEF, INTERNAL AUDIT OFFICE/ COMMON CONFERENCE ROOM, COA OFF.
NO. OF SETS	4 SETS
J	50MM X 100MM ALUMINUM FRAME
H	
M	
T	50MM X 100MM ALUMINUM FRAME



W08 FIXED 6MM THK CLEAR WINDOW TYPE ANNEALED GLASS W/ ALUMINUM POWDERED COATED FRAME.

DIMENSION	3000MM X 130MM
HARDWARES	COMPLETE HARDWARE ACCESSORIES
LOCATION	COA OFFICE
NO. OF SETS	1 SET
J	50MM X 100MM ALUMINUM FRAME
H	
M	
T	

REHABILITATION OF AFC BUILDING
SCHEDULE OF WINDOWS
SCALE: 1/4"=1'-0"



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: RMD

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CAPTAIN MARIE L. TAYLOR L. TAMAYO

Asst. Dir. for ADMS

NOTES/REVISIONS:

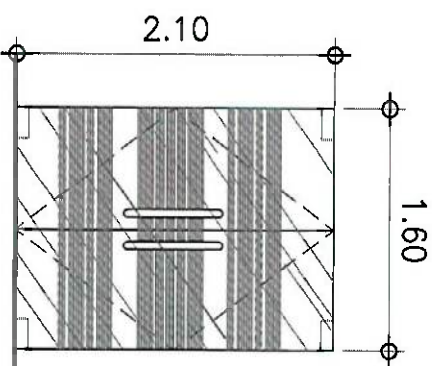
PROJECT: REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX

LOCATION: CAAP HEAD OFFICE, NAVA ROAD COR. N. AQUINO AVE. PASAY CITY

SHEET CONTENTS: AS SHOWN

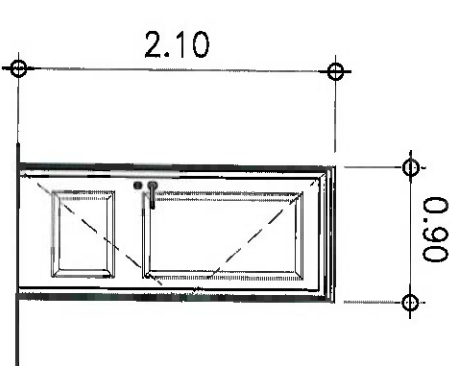
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SHEET NO.:



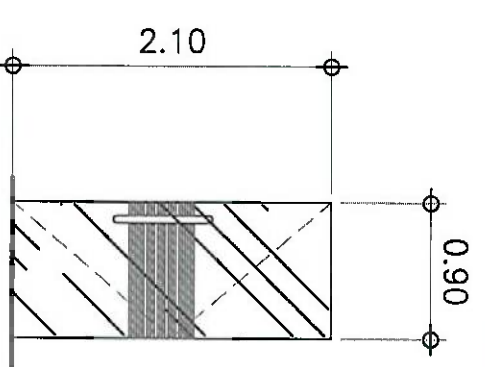
DOUBLE LEAF SWING 12MM THK. CLEAR TEMPERED GLASS DOOR W/ 2" THK X .56M LENGTH STAINLESS STEEL DOOR HANDLE

DIMENSION	2100MM X 1600MM
HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE
LOCATION	INTERNAL AUDIT DIVISION MAIN ENTRANCE
NO. OF SETS	1 SET
J	
H	
M	
T	



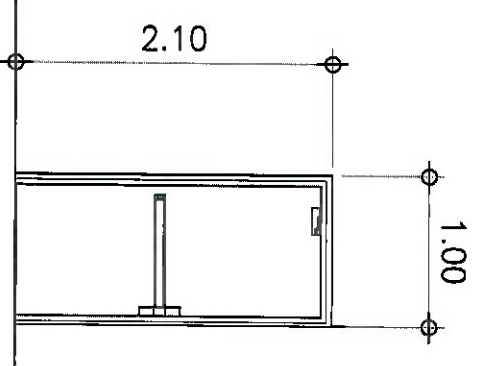
SINGLE-LEAF SWING OUT PANIC BAR DOOR AND PAINTED W/ ENAMEL, QUICK DRY ENAMEL PAINT & KICK PLATE (550mm x 300mm INCLUDING HINGES, LOCKSET, HANDLE BAR and KICK PLATE)

DIMENSION	2100MM X 800MM
HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE
LOCATION	COMMON CONFERENCE RM. PAINT
NO. OF SETS	1SET
J	50mm x 150mm S4S WOOD FINISH PAINTED w/ ENAMEL, QOE PAINT
H	50mm x 150mm S4S WOOD FINISH PAINTED w/ ENAMEL, QOE PAINT
M	
T	



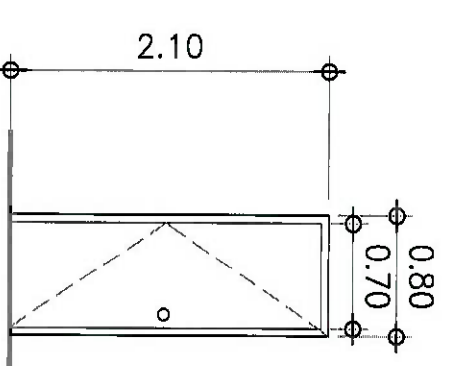
SINGLE SWING 12MM THK. CLEAR TEMPERED FRAMELESS GLASS DOOR W/ 2" THK X .56M LENGTH STAINLESS STEEL DOOR HANDLE

DIMENSION	2100MM X 900MM
HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE
LOCATION	INTERNAL AUDIT DIVISION MAIN ENTRANCE
NO. OF SETS	8 SETS
J	
H	
M	
T	



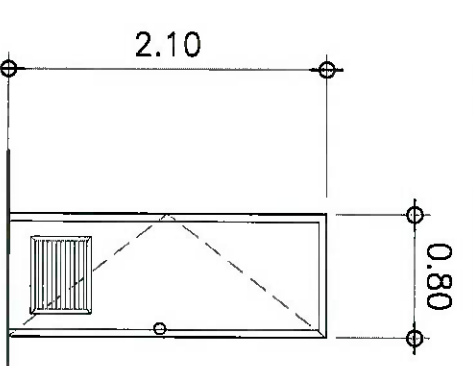
SINGLE-LEAF SWING OUT PANIC BAR DOOR AND PAINTED W/ ENAMEL, QUICK DRY ENAMEL PAINT & KICK PLATE (550mm x 300mm INCLUDING HINGES, LOCKSET, HANDLE BAR and KICK PLATE)

DIMENSION	2100MM X 800MM
HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE
LOCATION	COMMON CONFERENCE RM. PAINT
NO. OF SETS	1 SET
J	50mm x 150mm S4S WOOD FINISH PAINTED w/ ENAMEL, QOE PAINT
H	50mm x 150mm S4S WOOD FINISH PAINTED w/ ENAMEL, QOE PAINT
M	
T	



SINGLE-LEAF SWING OUT FLUSH TYPE DOOR AND PAINTED W/ ENAMEL, QUICK DRY ENAMEL PAINT & KICK PLATE (550mm x 300mm INCLUDING HINGES, LOCKSET, HANDLE BAR and KICK PLATE)

DIMENSION	2100MM X 800MM
HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE
LOCATION	INTERNAL AUDIT DIVISION MAIN ENTRANCE
NO. OF SETS	5 SETS
J	50mm x 150mm S4S WOOD FINISH PAINTED w/ ENAMEL, QOE PAINT
H	50mm x 150mm S4S WOOD FINISH PAINTED w/ ENAMEL, QOE PAINT
M	
T	



SINGLE-LEAF SWING OUT FLUSH TYPE DOOR AND PAINTED W/ ENAMEL, QUICK DRY ENAMEL PAINT & KICK PLATE (550mm x 300mm INCLUDING HINGES, LOCKSET, HANDLE BAR and KICK PLATE)

DIMENSION	2100MM X 800MM
HARDWARES	HINGES, LOCKSET, HANDLE BAR, DOOR STOPPER AND KICK PLATE
LOCATION	INTERNAL AUDIT DIVISION MAIN ENTRANCE
NO. OF SETS	4 SETS
J	50mm x 150mm S4S WOOD FINISH PAINTED w/ ENAMEL, QOE PAINT
H	50mm x 150mm S4S WOOD FINISH PAINTED w/ ENAMEL, QOE PAINT
M	
T	

REHABILITATION OF AFC BUILDING
1 SCHEDULE OF DOORS
A-104-10 SCALE: NTS



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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ADMS

NOTES/REVISIONS: CAPTAIN MANUEL ANTONIO L. TAMAYO
Chief General

PROJECT: REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX

LOCATION: CAAP HEAD OFFICE
NAA ROAD COR. N. AQUINO AVE,
PASAY CITY

SHEET CONTENTS: AS SHOWN

DRAWING SCALE:	SHEET NO.
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THE DIRECTOR GENERAL, CAAP.

AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
MANAGEMENT DIVISION

DESIGN STAFF: INITIAL, DATE

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CHECKED BY: CBP

REVIEWED BY:

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RECOMMENDED APPROVAL: ARNEL F. BORLADO

Department Manager III, RMD - ADMS

APPROVED: LT COL. DIONEL A. PAF (RET.)

ADG II, ADMS

CAPTAIN MANUEL L. TAMAYO

Director General

NOTES/REVISIONS:

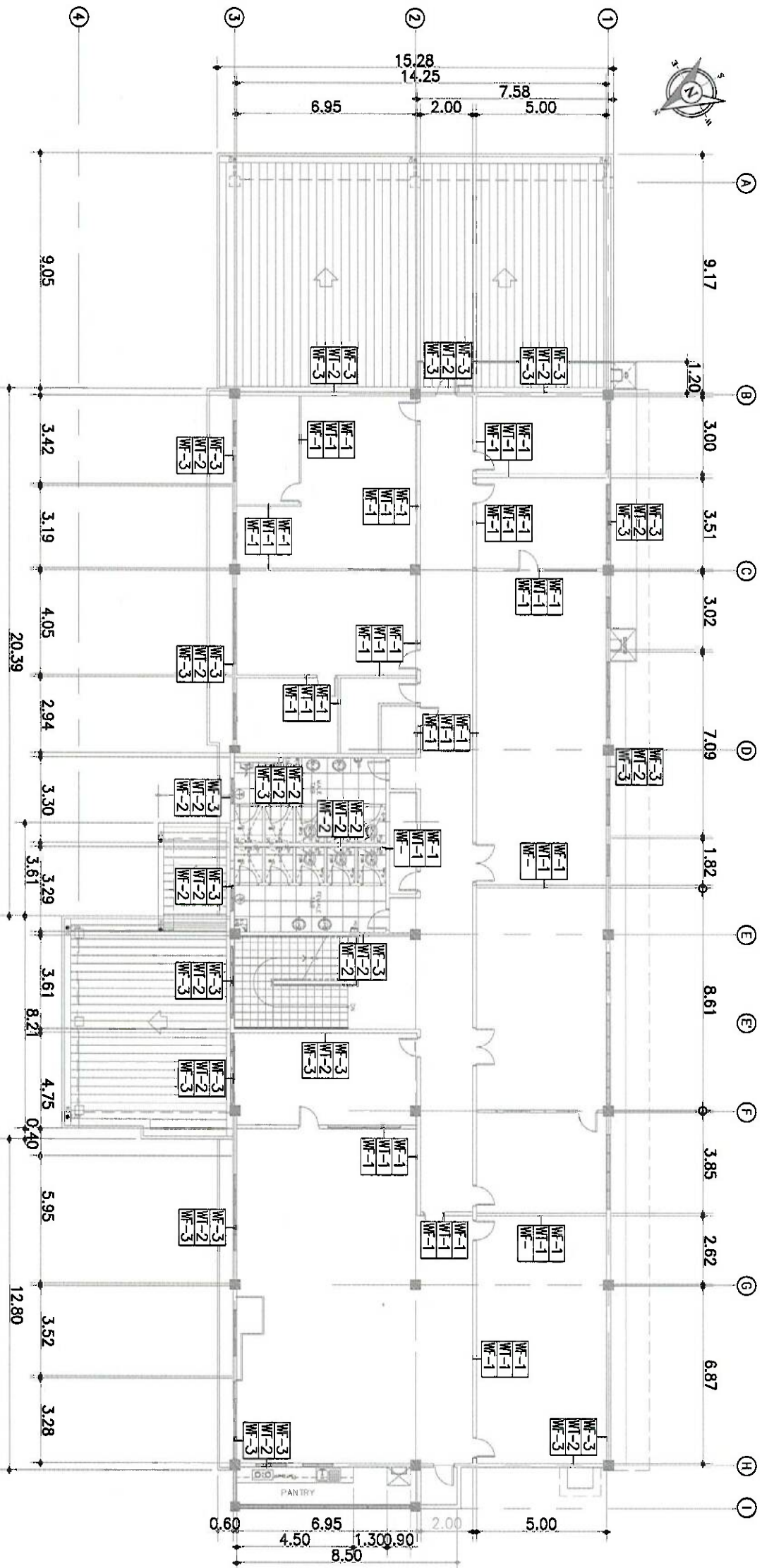
PROJECT: REHABILITATION OF 2ND FLR,
AIRWAYS FACILITY COMPLEX

LOCATION: CAAP HEAD OFFICE
NIA ROAD COR. N. AQUINO AVE,
PASAY CITY

SHEET CONTENTS: AS SHOWN

DRAWING SCALE: SHEET NO:

AS SHOWN



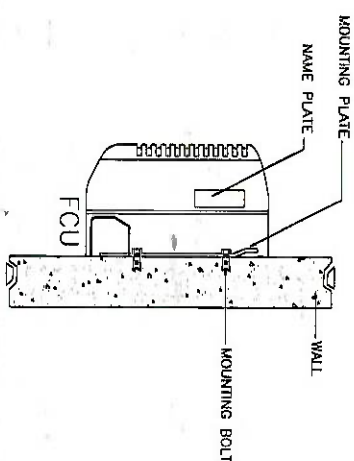
REHABILITATION OF AFC BUILDING
WALL DETAIL LAYOUT
SCALE: 1 : 200 M

SCHEDULE OF WALLS	
MARK	FINISHES
WT-1	100mm THK DRY WALL PARTITION IN 12mm THK. FIBER CEMENT BOARD
WT-2	EXISTING CHB WALL
SCHEDULE OF WALL FINISHES	
MARK	FINISHES
WF-1	100mm THK DRY WALL PARTITION IN 12mm THK. FIBER CEMENT BOARD PAINTED FINISH
WF-2	300mm x 600mm HOMOGENEOUS TILE (POLISHED FINISH) IN CHB WALL (SUBMIT SAMPLE FOR APPROVAL)
WF-3	150mm THK CHB WALL PAINTED WITH 2 COATS OF ACRYLIC LATEX

GENERAL NOTES:

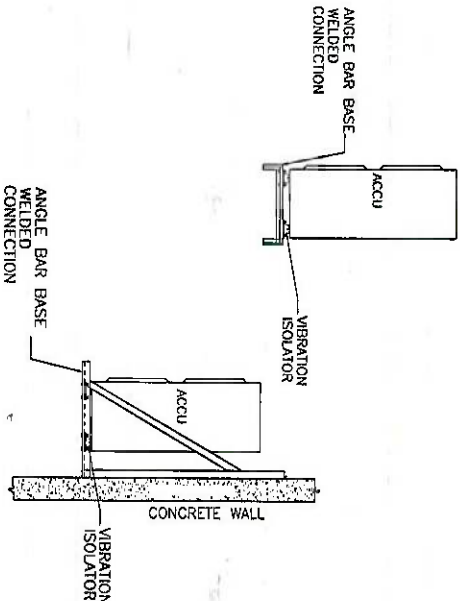
- IT IS NOT INTENDED THAT THE DRAWINGS SHALL SHOW EVERY PIPE, FITTINGS, DUCT FITTINGS, VALVES, DAPERS, HANGERS/SUPPORTS, ETC., ALL SUCH ITEM WHETHER SPECIFICALLY MENTIONED OR NOT, OR INDICATED ON THE DRAWINGS SHALL BE FURNISHED AND INSTALLED IF NECESSARY TO COMPLETE THE SYSTEM TO THE SATISFACTION OF THE ENGINEER AND THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE IN VERIFYING AND COORDINATING, THE FOLLOWING IN ACCORDANCE WITH MANUFACTURER'S DATA AND RECOMMENDATIONS.
 - FLOOR, ROOF AND WALL OPENINGS
 - EQUIPMENT PADS/PEDESTALS
 - CONDENSATE DRAIN LINES
- ALL PIPE SIZES ARE IN MILLIMETER (mm) UNLESS OTHERWISE INDICATED.
- ALL STRUCTURAL AND ARCHITECTURAL FINISHES DAMAGED DURING THE COURSE OF WORK SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR AS APPROVED BY OWNER.
- PROVIDE SERVICE ACCESS & CLEARANCE TO CHANGE AIR FILTER ELEMENT FOR AC EQUIPMENT AS RECOMMENDED BY MANUFACTURER.
- ALL INSULATED MECHANICAL PIPES THAT ARE EXPOSED SHALL BE CLADDED WITH ALUMINUM SHEET. CLADDING SHALL BE MACHINE/SHOP FABRICATED.
- CONTRACTOR/VENDOR SHOULD BE FAMILIAR WITH THE ACTUAL SITE CONDITION AND INSTALLATION TO VERIFY IF THE WORK IS IN CONFORMANCE TO MANUFACTURER RECOMMENDATION AND SHOULD RECTIFY IF SUCH CONDITION EXIST.
- THE CONTRACTOR SHALL COORDINATE W/ THE STRUCTURAL, SANITARY, ARCHITECTURAL AND ELECTRICAL REGARDING THE ROUGHING-INS OF FUTURE AIR CONDITIONING UNITS. ALL EMBEDDED ITEMS SHALL BE INSTALLED IN PLACE UNDER THIS CONTRACT.
- FINAL ECPOT TAG NUMBERING SHALL BE MADE BY THE OWNER'S ENGINEERING DEPARTMENT FOR CASE OF IDENTIFICATION OF INDIVIDUAL UNIT.
- INSTALLATION OF ALL WORKS SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER, IMPROPERLY SET WORK OR FINISH AS DETERMINED BY THE ARCHITECT SHALL BE REMOVED AND REPLACED AT NO EXTRA COST.
- ALL MATERIALS TO BE USED SHALL BE BRAND NEW AND CLEAN.
- DEVIATION AND REVISIONS FROM PLAN SHALL BE REFERRED TO THE ARCHITECT/ENGINEER FOR REVIEW AND APPROVAL.
- ALL NECESSARY GOVERNMENT PERMIT SHALL BE SECURED AND PAID FOR BY THE CONTRACTOR.
- ALL MECHANICAL WORKS SHALL BE IN ACCORDANCE WITH THE LATEST MECHANICAL ENGINEER'S CODE ASPEC, ASHRAE AND SMACNA STANDARD.
- ALL A/C AND VENTILATING EQUIPMENT CONTROL PANEL SWITCH AND CIRCUIT BREAKERS ARE PROVIDED BY THE MECHANICAL CONTRACTOR.
- THE MECHANICAL CONTRACTOR SHALL CONDUCT TESTING, BALANCING AND COMMISSIONING OF ALL A/C AND VENTILATING EQUIPMENT.

SYMBOL	ABBREVIATION	DESCRIPTION
	A/C	AIR CONDITIONING
	ACCU	AIR COOLED CONDENSING UNIT
	FCU	EQUIPMENT TAG NUMBER
	FCU	FAN COIL UNIT (WALL MOUNTED)
	FCU	FAN COIL UNIT (FLOOR STANDING)
	FCU	FAN COIL UNIT (CEILING CASSETTE)
	KW	KILOWATTS
	PH	PHASE
	PH	PIPE COMING UP
	PH	PIPE COMING DOWN
	PH	PORTABLE FIRE EXTINGUISHER
	PH	REFRIGERANT LIQUID
	PH	REFRIGERANT GAS
	PH	SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION
	PH	TOW OF REFRIGERATION
	PH	TYPICAL
	PH	WATERPROOFER
	PH	HERTZ
	PH	VALVES

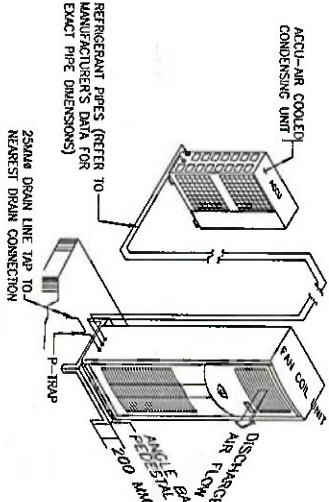


WALL MOUNTED

FCU DETAIL

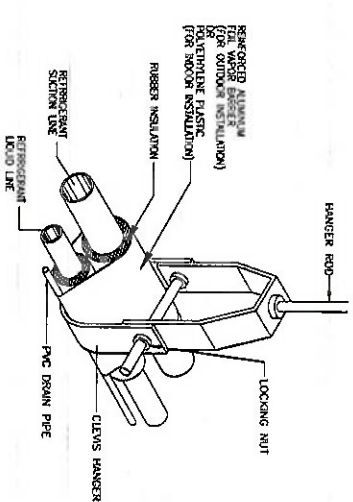


ACCU SUPPORT DETAIL

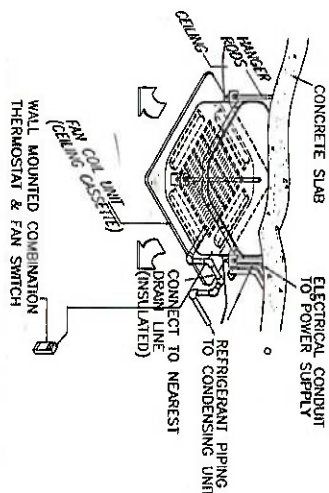


FLOOR STANDING

FCU DETAIL

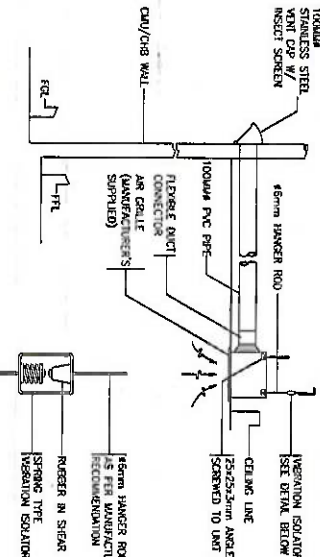


COPPER TUBING W/ HANGER DETAIL

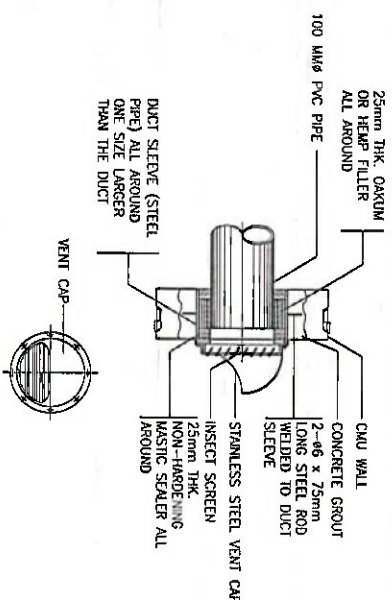


CEILING CASSETTE

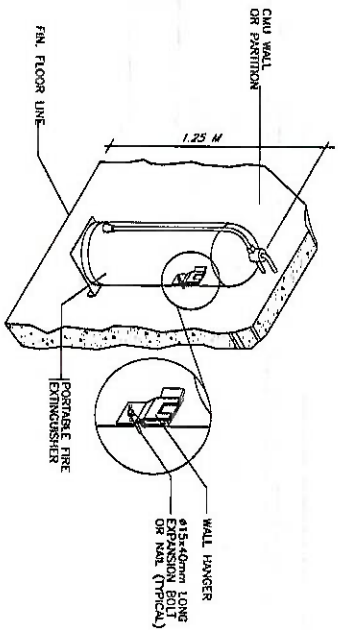
FCU DETAIL



EXHAUST FAN DETAIL



EXHAUST DUCT/VENT CAP DETAIL



PORTABLE FIRE EXTINGUISHER DETAIL



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF:

DESIGNED BY: IDDO

CHECKED BY: RUAIR

REVIEWED BY:

SUBMITTED BY: RENNE A. SANTIAGO

RECOMMENDED APPROVAL: ARNEL F. BORLADO

APPROVED: LT COL VALERINO A. DIONELA PAF (RET)

NOTES/REVISIONS: CAPTAIN MANUEL ANTONIO C. TAMAYO

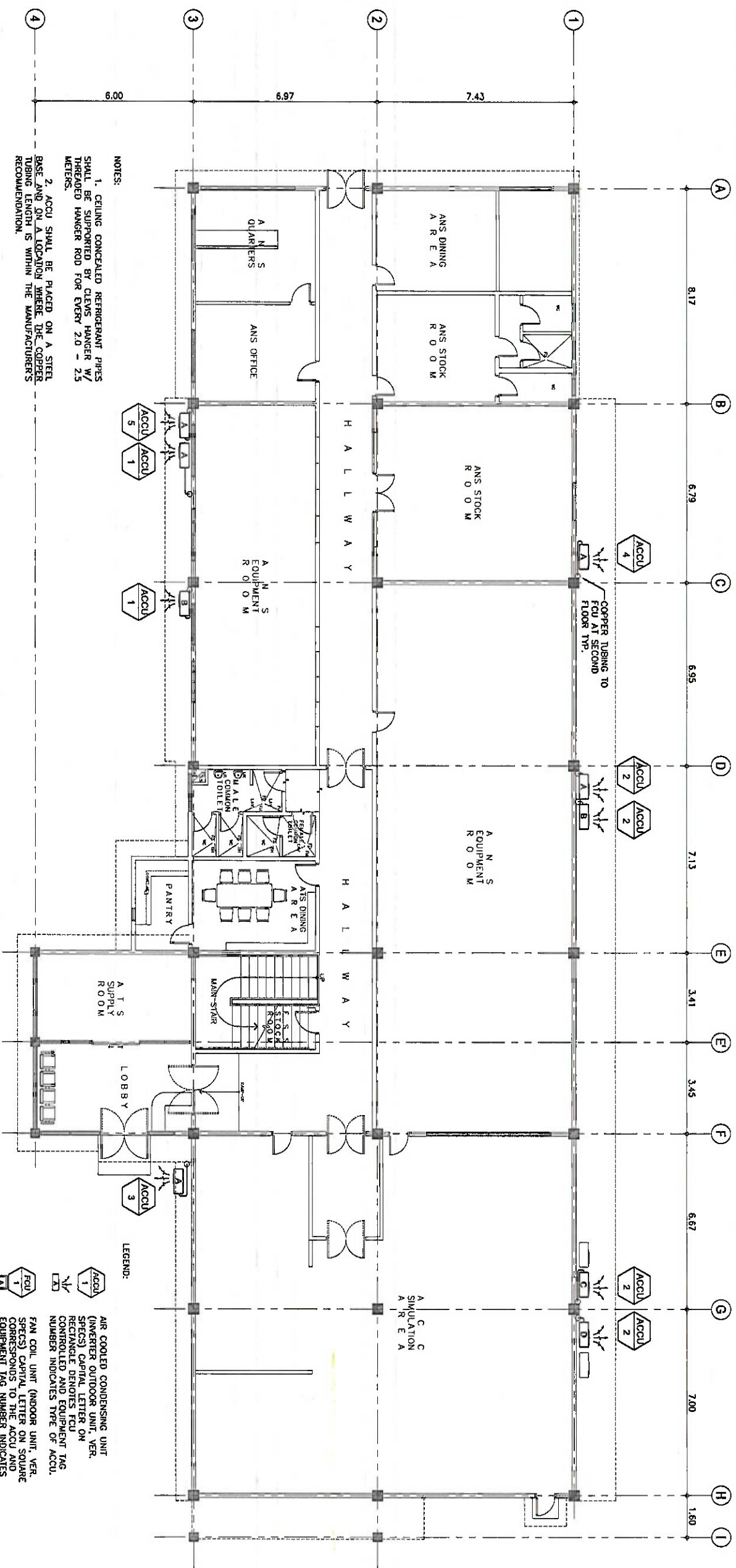
PROJECT: REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX
LOCATION: CAAP HEAD OFFICE
NAAA ROAD COR. N. AQUINO AVE.
PASAY CITY

SHEET CONTENTS:

GENERAL NOTES

MISCELLANEOUS DETAILS

DRAWING SCALE: AS SHOWN



NOTES:
1. CEILING CONCEALED REFRIGERANT PIPES SHALL BE SUPPORTED BY CLEVIS HANGER W/ THREADED HANGER ROD FOR EVERY 2.0 - 2.5 METERS.
2. ACCU SHALL BE PLACED ON A STEEL BASE AND ON A LOCATION WHERE THE COPPER TUBING LENGTH IS WITHIN THE MANUFACTURER'S RECOMMENDATION.

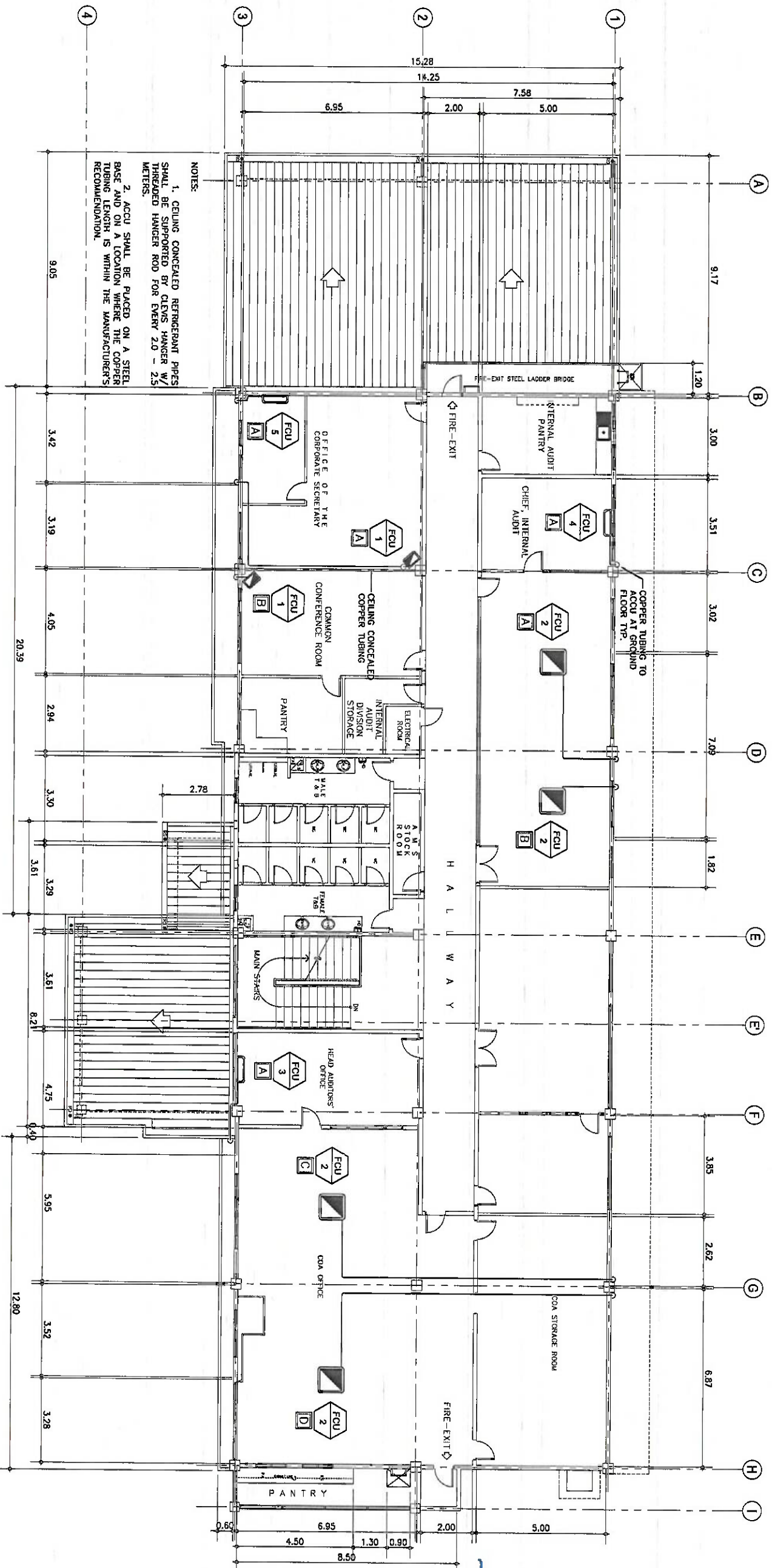
1 GROUND FLOOR AIR-CONDITIONING LAYOUT
SCALE: 1:100 M

MARK	QTY	LOCATION / AREA SERVED	COOLING LOAD/UNIT (TR)	DRAIN LINE (mm)	TYPE	REFRIGERANT		ELECTRICAL DATA				NET WEIGHT (KG)	REMARKS
						Pipe Size (mm)	Load (TR)	V	PH	HZ	Rated Current (A)		
FCU	1	OFFICE OF THE CORPORATE SECRETARY & COMMON CONFERENCE ROOM	7.0 (5.0)	25 (1)	R-410a (3/4)	19.05 (3/4)	9.52 (3/8)	220-230	3	60	-	58	INTERIOR FLOOR STANDING TYPE INDOOR FREE BLOW FAN COIL UNIT COMPLETE WITH REMOTE TEMPERATURE CONTROLLER, FAN SPEED SWITCH, EQUIPMENT SUPPORT AND STANDARD ACCESSORIES.
FCU	2	INTERIOR AUDIT DIVISION OFFICE & COMMON CONFERENCE ROOM	7.0 (5.0)	25 (1)	R-410a (3/4)	19.05 (3/4)	9.52 (3/8)	220-230	1	60	-	29	INTERIOR CEILING CASSETTE TYPE INDOOR FREE BLOW FAN COIL UNIT COMPLETE WITH REMOTE TEMPERATURE CONTROLLER, FAN SPEED SWITCH, EQUIPMENT SUPPORT AND STANDARD ACCESSORIES.
FCU	3	HEAD AUDITORS OFFICE	3.0 (1)	25 (1)	R-32 (5/8)	15.88 (1/4)	6.35 (1/4)	220-230	1	60	13.0	16.5	INTERIOR WALL MOUNTED TYPE INDOOR FREE BLOW FAN COIL UNIT COMPLETE WITH REMOTE TEMPERATURE CONTROLLER, FAN SPEED SWITCH, EQUIPMENT SUPPORT AND STANDARD ACCESSORIES.
FCU	4	CHIEF, INTERIOR AUDIT	2.5 (1)	25 (1)	R-32 (1/2)	12.70 (1/4)	6.35 (1/4)	220-230	1	60	8.5	13	INTERIOR WALL MOUNTED TYPE INDOOR FREE BLOW FAN COIL UNIT COMPLETE WITH REMOTE TEMPERATURE CONTROLLER, FAN SPEED SWITCH, EQUIPMENT SUPPORT AND STANDARD ACCESSORIES.
FCU	5	OFFICE OF THE CORPORATE SECRETARY	1.5 (1)	25 (1)	R-32 (3/8)	9.52 (1/4)	6.35 (1/4)	220-230	1	60	4.0	7.7	INTERIOR WALL MOUNTED TYPE INDOOR FREE BLOW FAN COIL UNIT COMPLETE WITH REMOTE TEMPERATURE CONTROLLER, FAN SPEED SWITCH, EQUIPMENT SUPPORT AND STANDARD ACCESSORIES.

MARK	QTY	CAPACITY HP (TR)	EQUIPMENT SERVED	DRAIN LINE (mm)	TYPE	REFRIGERANT		ELECTRICAL DATA				NET WEIGHT (KG)	REMARKS
						Pipe Size (mm)	Load (TR)	V	PH	HZ	Rated Current (A)		
ACCU	1	7.0 (5.0)	FCU-1	25 (1)	R-410a (3/4)	19.05 (3/4)	9.52 (3/8)	220-230	3	60	20.5	40	INTERIOR FLOOR MOUNTED AIR COOLED CONDENSER UNIT COMPLETE WITH CONDENSER FAN, HEATING COMPRESSOR, ELECTRICAL CONNECTION AND EQUIPMENT SUPPORT. THE UNIT SHALL BE THE SAME MANUFACTURER OF FCU.
ACCU	2	7.0 (5.0)	FCU-2	25 (1)	R-410a (3/4)	19.05 (3/4)	9.52 (3/8)	220-230	1	60	18.2	40	INTERIOR FLOOR MOUNTED AIR COOLED CONDENSER UNIT COMPLETE WITH CONDENSER FAN, HEATING COMPRESSOR, ELECTRICAL CONNECTION AND EQUIPMENT SUPPORT. THE UNIT SHALL BE THE SAME MANUFACTURER OF FCU.
ACCU	3	3.0	FCU-3	25 (1)	R-32 (5/8)	15.88 (1/4)	6.35 (1/4)	220-230	1	60	-	30	INTERIOR FLOOR MOUNTED AIR COOLED CONDENSER UNIT COMPLETE WITH CONDENSER FAN, HEATING COMPRESSOR, ELECTRICAL CONNECTION AND EQUIPMENT SUPPORT. THE UNIT SHALL BE THE SAME MANUFACTURER OF FCU.
ACCU	4	2.5	FCU-4	25 (1)	R-32 (1/2)	12.70 (1/4)	6.35 (1/4)	220-230	1	60	-	30	INTERIOR FLOOR MOUNTED AIR COOLED CONDENSER UNIT COMPLETE WITH CONDENSER FAN, HEATING COMPRESSOR, ELECTRICAL CONNECTION AND EQUIPMENT SUPPORT. THE UNIT SHALL BE THE SAME MANUFACTURER OF FCU.
ACCU	5	1.5	FCU-5	25 (1)	R-32 (3/8)	9.52 (1/4)	6.35 (1/4)	220-230	1	60	-	20	INTERIOR FLOOR MOUNTED AIR COOLED CONDENSER UNIT COMPLETE WITH CONDENSER FAN, HEATING COMPRESSOR, ELECTRICAL CONNECTION AND EQUIPMENT SUPPORT. THE UNIT SHALL BE THE SAME MANUFACTURER OF FCU.

LEGEND:
AIR COOLED CONDENSING UNIT (INTERIOR OUTDOOR UNIT, VER. SPECS) CAPITAL LETTER ON RECTANGLE DENOTES FCU NUMBER INDICATES TYPE OF FCU.
FAN COIL UNIT (INDOOR UNIT, VER. SPECS) CAPITAL LETTER ON SQUARE CORRESPONDS TO THE ACCU AND EQUIPMENT TAG NUMBER INDICATES TYPE OF FCU.
PIPE GOING DOWN
PIPE GOING UP

CAPTAIN MANUEL VITOQUE L. TAMAYO Director General		RECOMMENDED APPROVAL: ARNEL F. BORJADO Department Manager II, AED-ADMS		SUBMITTED BY: RENNIE A. SANTIAGO Division Chief III, RMD - ADMS		DESIGN STAFF: DESIGNED BY: JDD DRAWN BY: JOM CHECKED BY: RUA		REVIEWED BY:	
PROJECT: REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX		LOCATION: CAAP HEAD OFFICE NAIA ROAD COR. N. AQUINO AVE. PASAY CITY		SHEET CONTENTS: GROUND FLOOR AIR-CONDITIONING LAYOUT EQUIPMENT SCHEDULE		DRAWING SCALE: AS SHOWN		SHEET NO.: M-02	



1 SECOND FLOOR AIR-CONDITIONING LAYOUT
SCALE: 1:100 M

- LEGEND:
- ACCU (INVERTER OUTDOOR UNIT, VER. SPEC) CAPITAL LETTER ON RECTANGLE DENOTES FCU CONTROLLED AND EQUIPMENT TAG NUMBER INDICATES TYPE OF ACCU.
 - FAN COIL UNIT (INDOOR UNIT, VER. SPEC) CAPITAL LETTER ON SQUARE DENOTES TO THE ACCU AND EQUIPMENT TAG NUMBER INDICATES TYPE OF FCU.
 - PIPE GOING DOWN
 - PIPE GOING UP

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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE	
REPAIR AND MAINTENANCE DIVISION	
DESIGN STAFF:	INITIAL / DATE
DESIGNED BY: JDD	
DRAWN BY: JDD	
CHECKED BY: RUA	
REVIEWED BY:	
SUBMITTED BY: RENNE A. SANTIAGO Division Chief III, RMD - ADMS	
RECOMMENDED APPROVAL: ARNEL F. BORLADO Department Manager III, ASD-ADMS	
APPROVED: LT COL (VALENTINO A. DIONELA PAF (RET)) ASST. IL ADMS	
CAPTAIN MANUEL M. LAMARCA Director General	
PROJECT: REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX	
LOCATION: CAAP HEAD OFFICE NAIA ROAD COR. N. AQUINO AVE. PASAY CITY	
SHEET CONTENTS:	
SECOND FLOOR AIR-CONDITIONING LAYOUT	
DRAWING SCALE: AS SHOWN	SHEET NO. M-05

LEGEND:
— PIPE GOING DOWN



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF:

DESIGNED BY: RDD INITIAL / DATE

DRAWN BY: JGAC

CHECKED BY: RULAB

REVIEWED BY:

SUBMITTED BY: RENNE A. SANTIAGO
Division Chief III, RMD - ADMS

RECOMMENDED APPROVAL: ARNEL F. BORTADO
Department Manager III, AED-ADMS

APPROVED: LT COL. JAMES A. DIONELA PAF (RET)
ASG II, ADMS

NOTES/REVISIONS:

CAPTAIN MANUEL ANTONIO L. TAMAYO
DIRECTOR GENERAL

PROJECT: REHABILITATION OF 2ND FLR,
AIRWAYS FACILITY COMPLEX

LOCATION: CAAP HEAD OFFICE
NAIA ROAD COR. N. AQUINO AVE.
PASAY CITY

SHEET CONTENTS:

ACU CONDENSATE DRAIN
PIPE LAYOUT

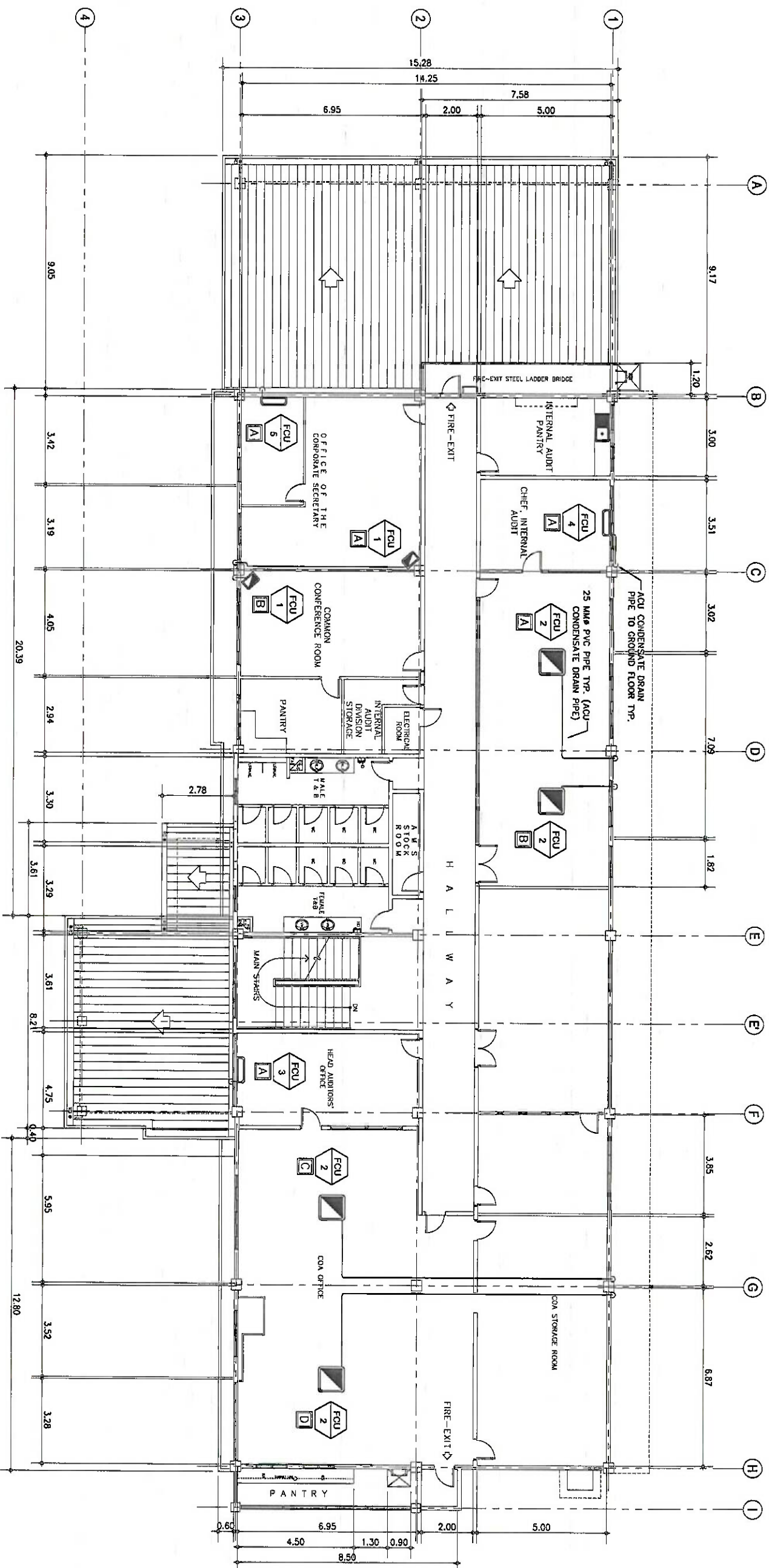
DRAWING SCALE: SHEET NO. M-04

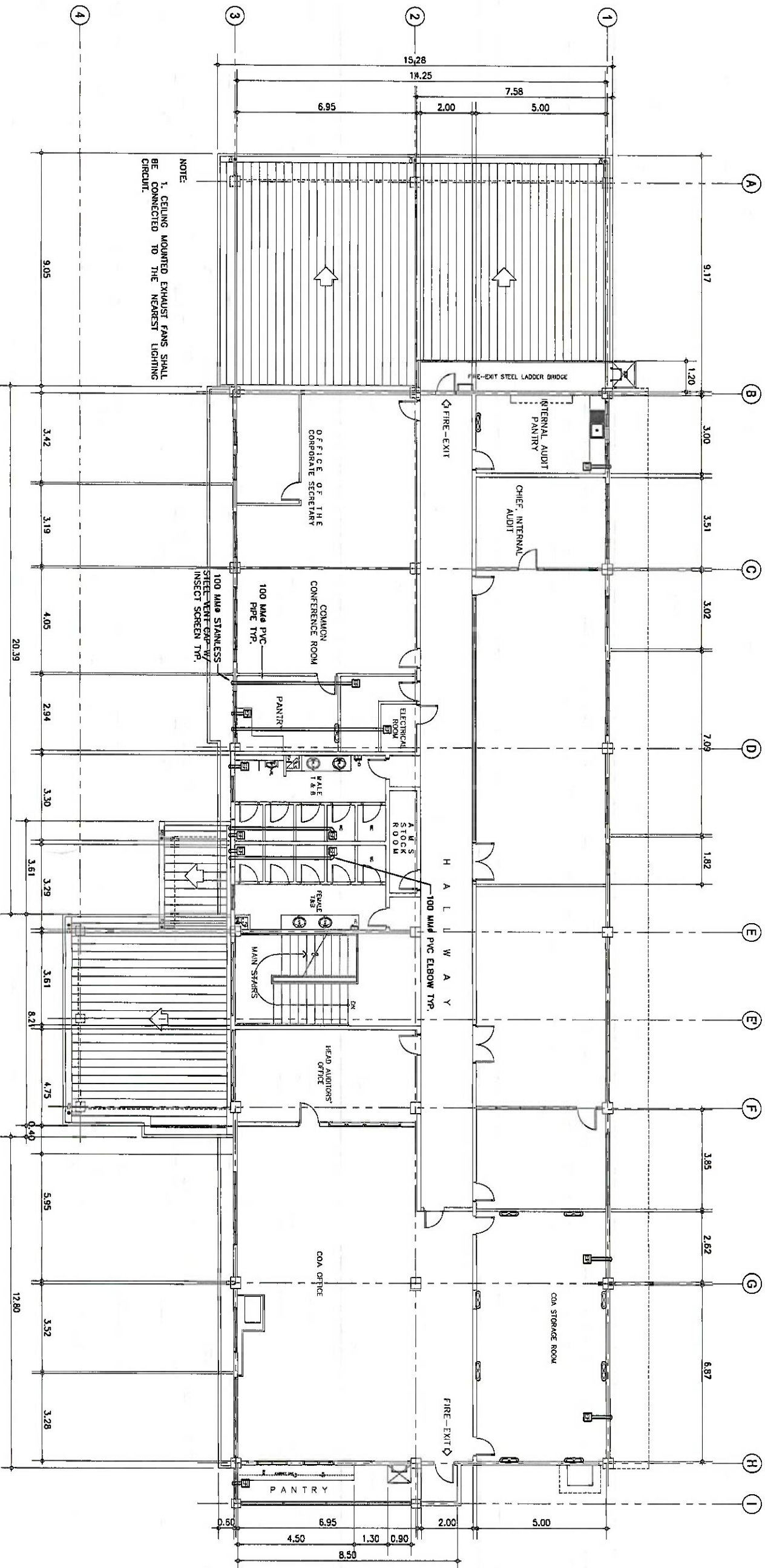
AS SHOWN 04

1 ACU CONDENSATE DRAIN PIPE LAYOUT

SCALE: 1:100 M

MACM-03





1 SECOND FLOOR VENTILATION LAYOUT
SCALE: 1:100 M

LEGEND:
12" CEILING MOUNTED EXHAUST FAN
18" WALL FAN



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF:

DESIGNED BY: INITIAL / DATE

DRAWN BY: INITIAL / DATE

CHECKED BY: INITIAL / DATE

REVIEWED BY:

SUBMITTED BY:

RENNIE A. SANTIAGO

Division Chief III, RMD - ADMS

RECOMMENDED APPROVAL:

ARNEL F. BORLADO

Department Manager III, AED/ADMS

APPROVED:

LT COL VALENTINO ADONELA PAF (RET)

ADMS

NOTES/REVISIONS:

CAPTAIN MANUEL ANTONIO L. TAMAYO

Director General

PROJECT:

REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX

LOCATION:

CAAP HEAD OFFICE

NMA ROAD COR. N. AQUINO AVE.

PASAY CITY

SHEET CONTENTS:

SECOND FLOOR VENTILATION LAYOUT

DRAWING SCALE: AS SHOWN

SHEET NO. M-05

LEGEND:
10 LBS. DRY CHEMICAL PORTABLE
FIRE EXTINGUISHER W/ WALL HANGER



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF:

DESIGNED BY:	INITIAL / DATE
DDO	
DESIGNED BY:	
CHECKED BY:	

REVIEWED BY:

RENNE A. SANTIAGO
Division Chief III, RD - ADMS

ARNEL E. BORDADO
Department Manager III, AD-ADMS

APPROVED:
LUCIL VALENTINO A. DIONELA PAF (RET)
ADMS II, ADMS

CAPTAIN MARILYN L. TAMAYO
Division Chief

NOTES/REVISIONS:

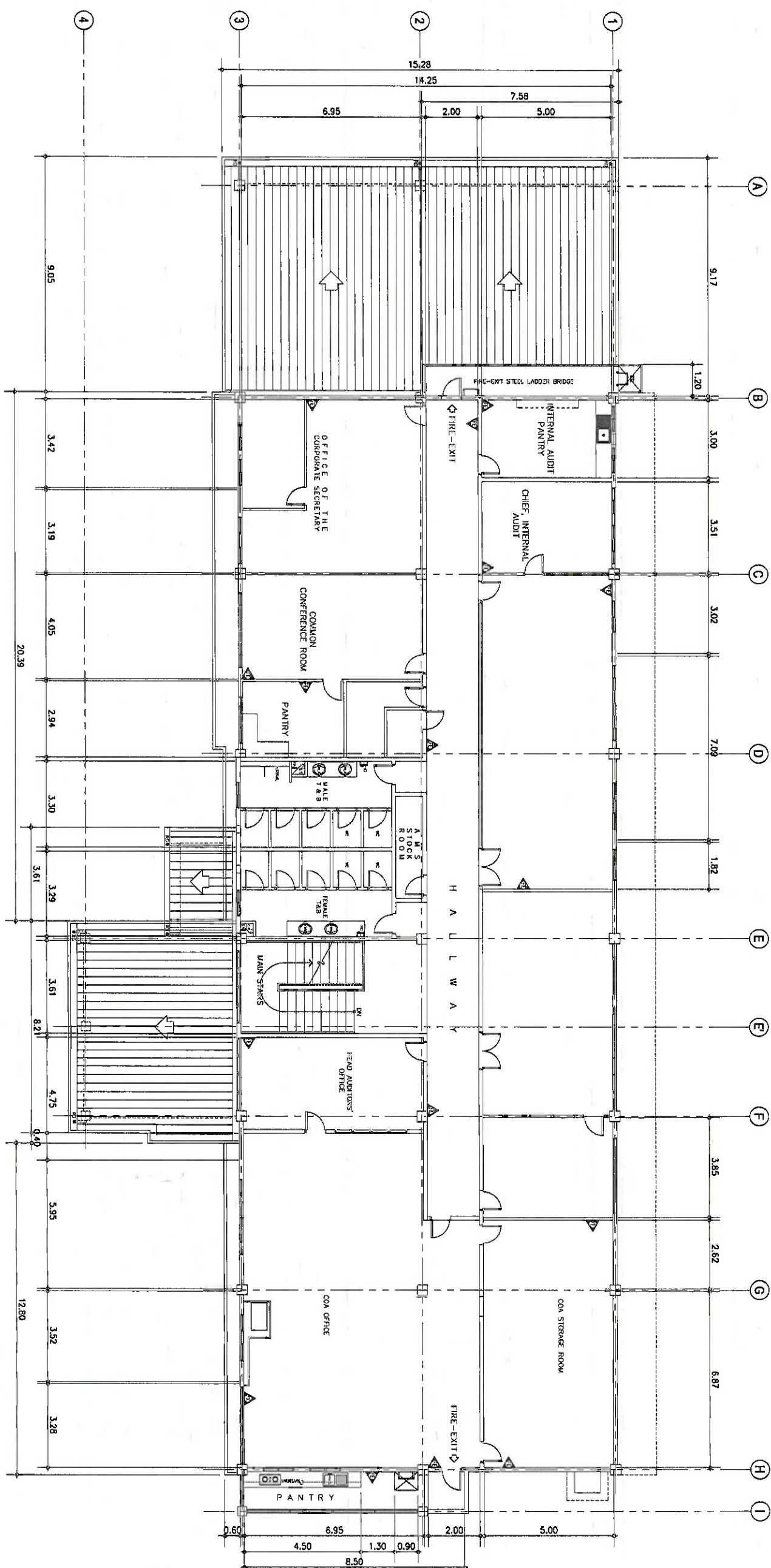
PROJECT:
REHABILITATION OF 2ND FLR.
AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD COR. N. AQUINO AVE.
PASAY CITY

SHEET CONTENTS:

SECOND FLOOR FIRE
EXTINGUISHER LAYOUT

DRAWING SCALE: SHEET NO. M-06
AS SHOWN 06



1 SECOND FLOOR FIRE EXTINGUISHER LAYOUT
SCALE: 1:100 M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	RMD
DRAWN BY:	CBP
CHECKED BY:	

REVIEWED BY:
RENNIE A. SANTAGO
Acting Division Chief III, RMD - ADMS

SUBMITTED BY:
ARNEL F. BORLIDO
Department Manager III, AED-ADMS
RECOMMENDED APPROVAL:

APPROVED:
LT COL. ARMENTINO A. DIONE (PAF RET)
ADG I, ADMS

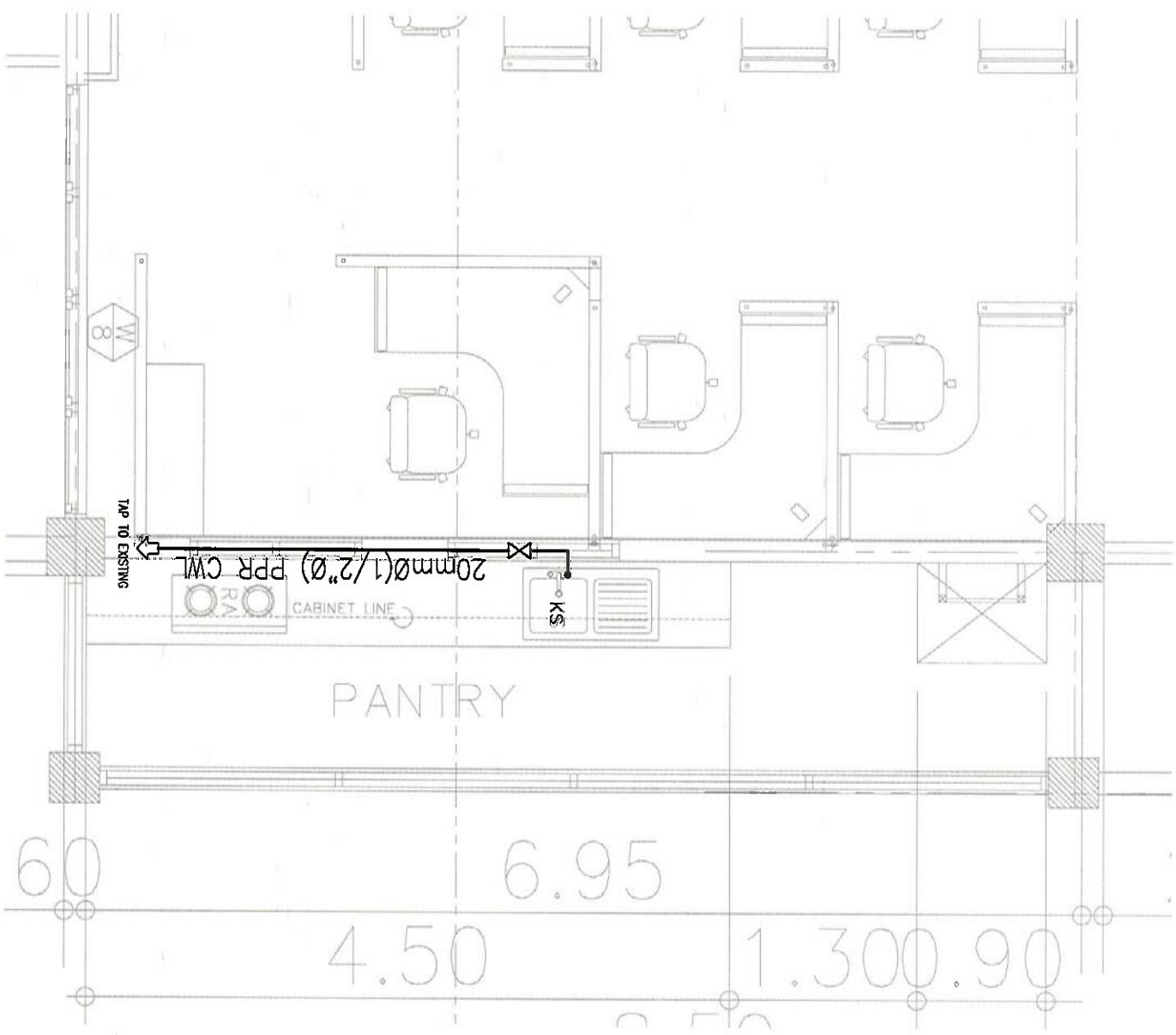
NOTES/REVISIONS:
CAPTAIN MA. L. TAMAYO
Design Engineer

PROJECT:
REHABILITATION OF 2ND FLR. AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NAA ROAD COR. N. AQUINO AVE.
PASAY CITY

SHEET CONTENTS:
AS SHOWN

DRAWING SCALE	SHEET NO.
AS SHOWN	



2 PANTRY @ COA OFFICE
WATERLINE PIPE LAYOUT PLAN
SCALE: 1 : 40 M



1 PANTRY @ CONFERENCE ROOM
WATERLINE PIPE LAYOUT PLAN
SCALE: 1 : 40 M



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND
DESIGN DIVISION

DESIGN STAFF:

DESIGNED BY: RMD
DRAWN BY: CBP
CHECKED BY:

REVIEWED BY:

SUBMITTED BY:
RENNE A. SANTIAGO
Acting Division Chief III, RMD-ADMS

RECOMMENDED APPROVAL:
ARNEL F. BORTADO
Department Manager III, AED-ADMS

APPROVED:
LT COL VALERINO A. DIONELA PAF (RET)
AED-ADMS

CAPTAIN WILSON A. DIOL TAYAYO
Director General

NOTES/REVISIONS

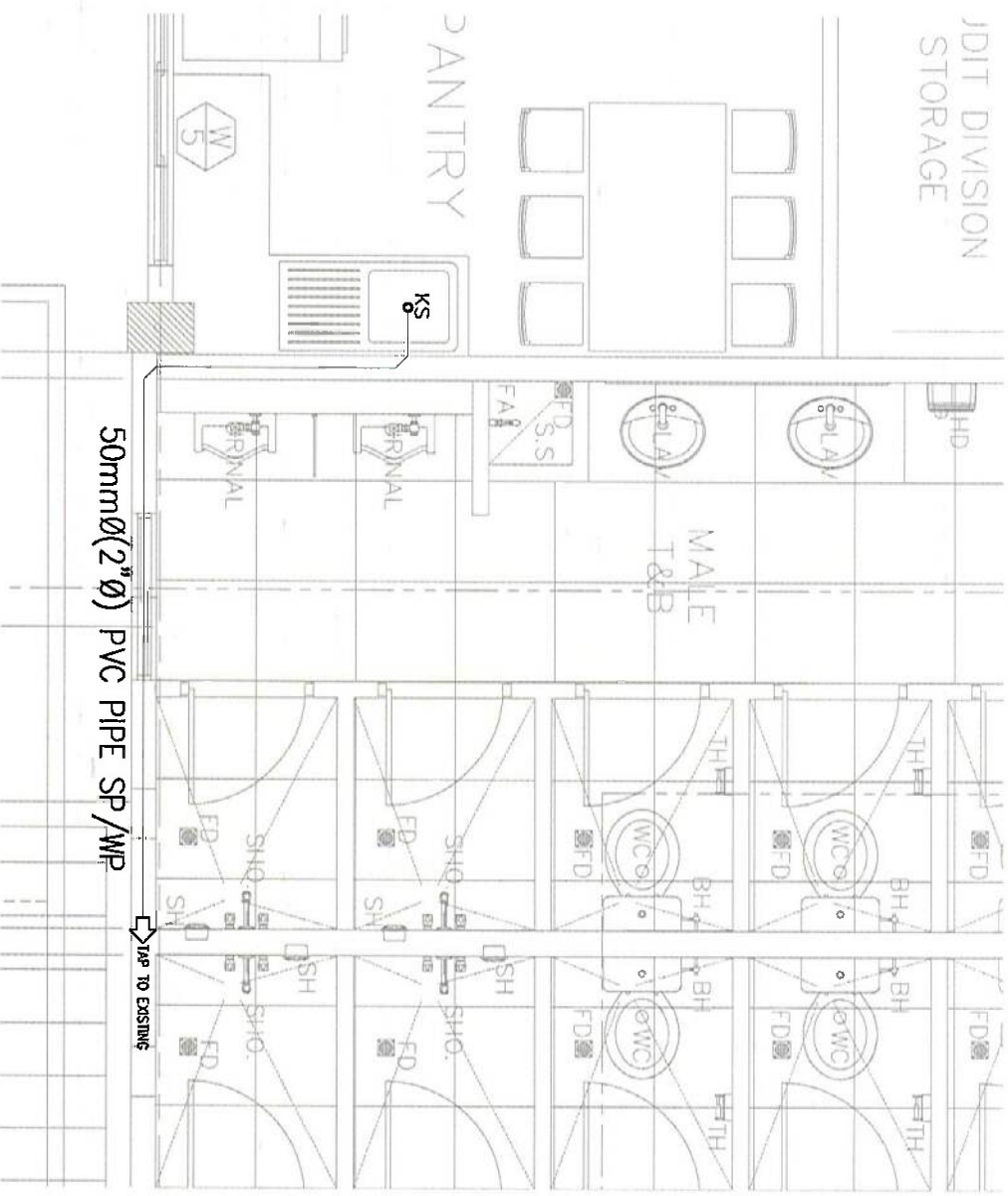
PROJECT:
REHABILITATION OF 2ND FLR
AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NAA ROAD COR. N. AQUINO AVE,
PASAY CITY

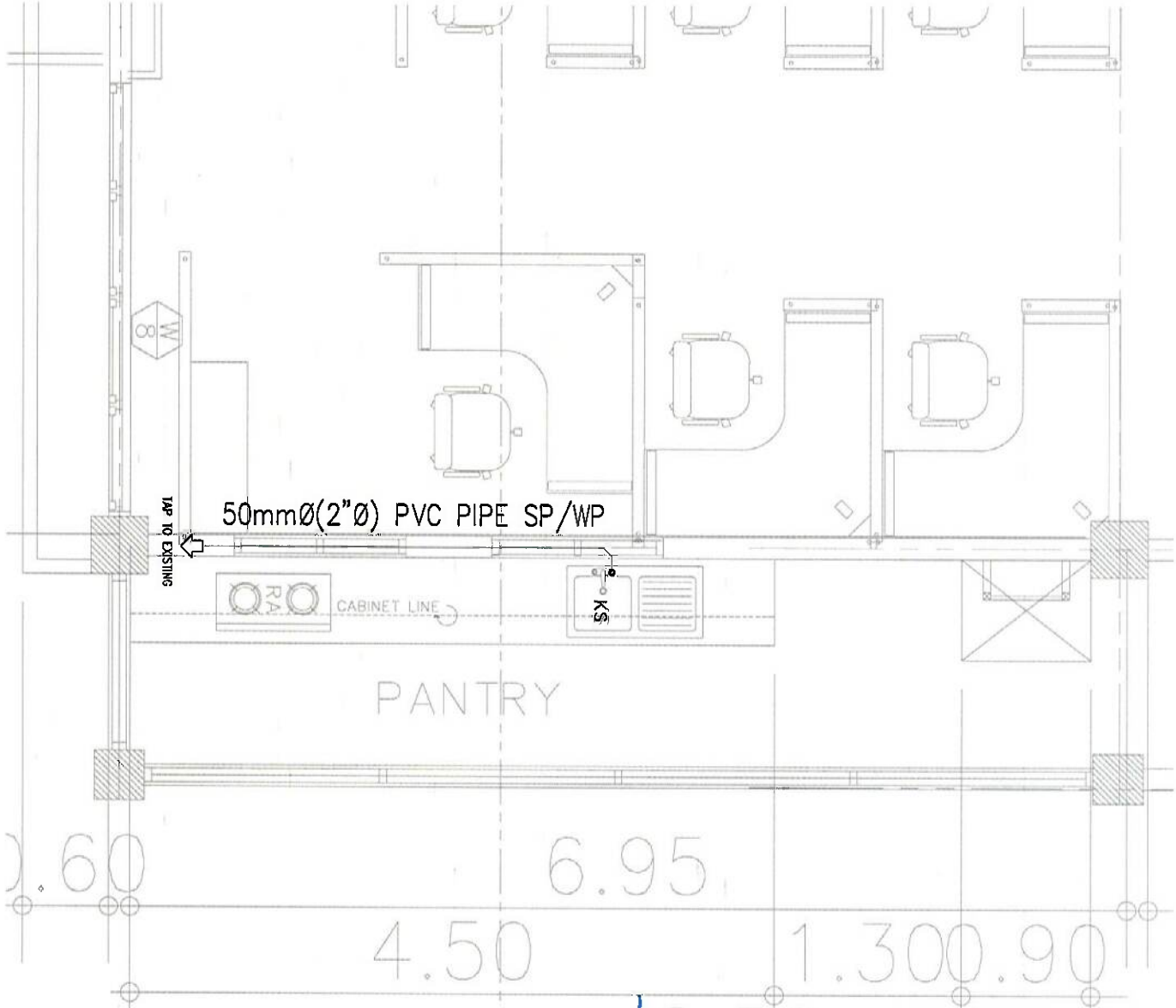
SHEET CONTENTS:
AS SHOWN

DRAWING SCALE: SHEET NO.:

AS SHOWN



1 PANTRY @ CONFERENCE ROOM
SEWERLINE PIPE LAYOUT PLAN
SCALE: 1 : 40 M



2 PANTRY @ COA OFFICE
SEWERLINE PIPE LAYOUT PLAN
SCALE: 1 : 40 M

GENERAL NOTES:

1. ALL ELECTRICAL WORKS AND INSTALLATIONS HEREIN SHALL BE DONE IN ACCORDANCE WITH THE LATEST APPROVED EDITION OF PHILIPPINE ELECTRICAL CODE WITH THE RULES AND REGULATIONS OF THE NATIONAL AND LOCAL AUTHORITIES CONCERNED IN THE ENFORCEMENT OF ELECTRICAL LAWS AND ORDINANCES AND WITH THE RULES AND REGULATIONS OF THE UTILITY COMPANIES CONCERNED.
2. ALL ELECTRICAL WORKS HEREIN SHALL BE DONE UNDER THE DIRECT SUPERVISION OF A DUTY QUALIFIED AND LICENSED ELECTRICAL ENGINEER.
3. UNLESS OTHERWISE SPECIFIED IN THE PLAN, METHODS OF WIRING SHALL BE AS FOLLOWS:
- 3.1. EMBEDDED IN CONCRETE
- 3.2. NOT EMBEDDED IN CONCRETE
- 3.3. MINIMUM SIZE OF WIRES AND CONDUITS TO BE USED SHALL BE NO. 3.5 SQ. MM. THHN/THWN-2 AND 15MM NOMINAL DIAMETER RESPECTIVELY "USE UL LISTED".
4. WIRING SHALL BE COLOR CODED AS FOLLOWS ØA=RED, ØB=YELLOW, ØC=BLUE, GROUND=GREEN AND NEUTRAL=WHITE "USE UL LISTED".
5. INSTALLATION OF ALL WORKS SHALL BE DONE IN A NEAT AND WORKMANLIKE MANNER. IMPROPERLY SET WORK OR FINISH AS DETERMINED BY THE ENGINEER/ARCHITECT SHALL BE REMOVED AND REPLACED AT NO EXTRA COST.
6. ALL MATERIALS SHOULD BE NEW AND ACCEPTABLE TO THE ARCHITECT/ENGINEER, UNLESS OTHERWISE SPECIFIED TO RE-USE OTHER MATERIALS.
7. ALL MATERIALS SHALL BE SUBJECT FOR APPROVAL BY THE ENGINEER.
8. THE USE OF ANY MATERIALS NOT SPECIFIED IN THE SPECIFICATION MAY BE ALLOWED PROVIDED, HOWEVER THAT SUCH SUBSTITUTED MATERIALS ARE PROVEN EQUAL AND/OR SUPERIOR IN QUALITY & SHALL HAVE PRIOR APPROVAL FROM THE ELECTRICAL ENGINEER.
9. APPROPRIATE TOOLS AND TESTING EQUIPMENT SHALL BE USED THROUGH OUT ELECTRICAL INSTALLATION WORKS PRIOR TO TURN-OVER OF THE PROJECT.
10. SUBMIT AN ACCURATE AS-BUILT PLANS.
11. GENERAL USED RECEPTACLE SHALL BE RATED 16 AMPERES, 2 POLE, 250 VOLTS, UNIVERSAL GROUNDING TYPE WITH PARALLEL SLOTS, SPECIAL PURPOSE OUTLET SHALL BE OF THE TYPE AND RATING INSULATED FOR RATING SUITED FOR THE EQUIPMENT SERVED.
12. ALL ACCESSORIES, SPLICING DEVICES, TERMINATIONS AND OTHER APPURTENANCES FOR THE ENTIRE INSTALLATIONS SHALL BE OF THE APPROVED TYPE FOR BOTH LOCATION AND PURPOSE INTENDED.
13. ALL ELECTRICAL EQUIPMENT SHALL BE PROPERLY GROUNDED IN ACCORDANCE WITH THE REQUIREMENT OF THE PHILIPPINE ELECTRICAL CODE.
14. JUNCTION BOXES, PULL BOXES, WIRE GUTTER GAUGE NO. 16 (MINIMUM) SHALL BE PROVIDED BY THE CONTRACTOR WHENEVER REQUIRED AND NECESSARY AND SHALL BE INSTALLED AT CONVENIENT SPACE AND LOCATION TO FACILITATE WIRE PULLING EVEN IF THESE ITEMS ARE NOT SHOWN IN THE PLAN.
15. PANEL BOARD SHALL BE EQUIPPED WITH GROUND AND NEUTRAL KIT TERMINALS WITH NUMBER OF TERMINALS EQUAL TO THE NUMBER OF BRANCH CIRCUITS.
16. FOR EACH SPARE BRANCH CIRCUIT IN PANEL BOARD, PROVIDE ONE 15MMØ EMPTY CONDUIT CONNECTED TO AN OCTAGONAL BOX AT ABOVE CEILING.
17. VERIFYING AND TACING OF THE EXISTING ELECTRICAL SYSTEM OF THE BUILDING SHALL BE RESPONSIBILITY OF THE CONTRACTOR.
18. LAYOUT DIMENSION SHOWN IN DRAWINGS ARE APPROXIMATE ONLY AND INTENDED TO SERVE AS AN INSTALLATION GUIDE. DIMENSION MUST BE ADJUSTED AS REQUIRED TO MEET FIELD CONDITION. WHENEVER FIELD CONDITION OR EXIGENCIES OF CONSTRUCTION MAKE DEPARTURE FROM THE LAYOUT SHOWN, DETAIL OF SUCH DEPARTURE FROM PLAN AND REASON THEREOF SHALL BE SUBMITTED TO THE OWNER OR HIS DUTY AUTHORIZED REPRESENTATIVE AND NO DEPARTURE SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE AUTHORITIES CONCERNED.
16. SECURING OF NECESSARY ELECTRICAL PERMITS, CEI AND OTHER NECESSARY REQUIREMENTS SHALL BE PART OF THE GENERAL CONTRACTOR, INCLUDING COORDINATION/APPLICATION WITH THE UTILITY COMPANY FOR POWER INTERRUPTION.
17. USE PROPER ROPE AND WIRE PULLING LUBRICANT WHENEVER REQUIRED AND NECESSARY.

LEGENDS:

SYMBOL	DESCRIPTION	MOUNTING (MM) (UNLESS OTHERWISE INDICATED)
	CONDUIT RUN ON CEILING/FLOOR/WALL	
	HOME RUN TO PANELBOARD/PULLBOX/PATCH PANEL	
	SIMPLEX CONVENIENCE OUTLET, 16A, 250V, UNIVERSAL AND GROUNDING TYPE WITH MOUNTING AND DEVICE PLATE	VARIES
	DUPLEX CONVENIENCE OUTLET, 16A, 250V, UNIVERSAL AND GROUNDING TYPE WITH MOUNTING AND DEVICE PLATE	300 FROM CENTER TO FIN. FLOOR
	DUPLEX CONVENIENCE OUTLET, 16A, 250V, UNIVERSAL AND GROUNDING TYPE (FLOOR MOUNTED)	FLOOR MOUNTED
	SINGLE DATA OUTLET WITH RJ45 DEVICE	300 FROM CENTER TO FIN. FLOOR/VARIES
	DUPLEX DATA OUTLET WITH RJ45 DEVICE	300 FROM CENTER TO FIN. FLOOR/VARIES
	DUPLEX DATA/VOICE OUTLET WITH RJ45/RJ11 DEVICE	300 FROM CENTER TO FIN. FLOOR/VARIES
	ONE-GANG SWITCH, 16A, 250V, WITH MOUNTING STRAP AND DEVICE PLATE COVER	1370 FROM CENTER TO FIN. FLOOR
	TWO-GANG SWITCH, 16A, 250V, WITH MOUNTING STRAP AND DEVICE PLATE COVER	1370 FROM CENTER TO FIN. FLOOR
	THREE-GANG SWITCH, 16A, 250V, WITH MOUNTING STRAP AND DEVICE PLATE COVER	1370 FROM CENTER TO FIN. FLOOR
	LETTER INDICATES FIXTURE OR DEVICE CONTROLLED BY SWITCH	
	Three-Way Switch	
	PANEL BOARD	1800 FROM TOP TO FIN. FLOOR
	GROUND CONNECTION	
	ACCU CB IN NEMA-3R ENCLOSURE	
	150MM DIAMETER RECESSED MOUNTED ROUND DOWNLIGHT FIXTURE WITH POWDER COAT FINISH CASING, MATTE ALUMINIUM REFLECTOR, CLEAR GLASS DIFFUSER AND 1x9 WATTS, LED BULB, 100-240V, 60Hz	RECESSED MOUNTED
	600MM X 600MM RECESSED MOUNTED LOUVER TYPE LIGHTING FIXTURE WITH MIRRORIZED ALUMINIUM REFLECTOR AND 2x9 WATTS, LED TUBE, 100-277V, 60Hz	RECESSED MOUNTED
	EXHAUST FAN	RECESSED MOUNTED
	EMERGENCY LIGHT	1800 FROM TOP TO FIN. FLOOR
	WALL FAN	
	SMALL APPLIANCE	ABOVE KITCHEN COUNTER
	EXIT LIGHT	
	WIRE DEVICE CONNECTION	



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CONSENT FROM THE DIRECTOR GENERAL
CAA.

**AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE**

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY: RMD	
DRAWN BY: JFCUR	gms
CHECKED BY: RMD	
REVIEWED BY:	

SUBMITTED BY:
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Division Chief III, RMD - ADMS

RECOMMENDED APPROVAL:
ARNEL F. BORLADO
Department Manager III, AED-ADMS

APPROVED:
LITIO VALERINO A. BIONELA PAF RET
Asst. Dir. ADMS

NOTES/REVISIONS:
CAPTAIN MANTUA A. DOMINO L. TAMAYO
Director General

PROJECT:
**REHABILITATION OF 2ND FLOOR
AIRWAYS FACILITY COMPLEX**

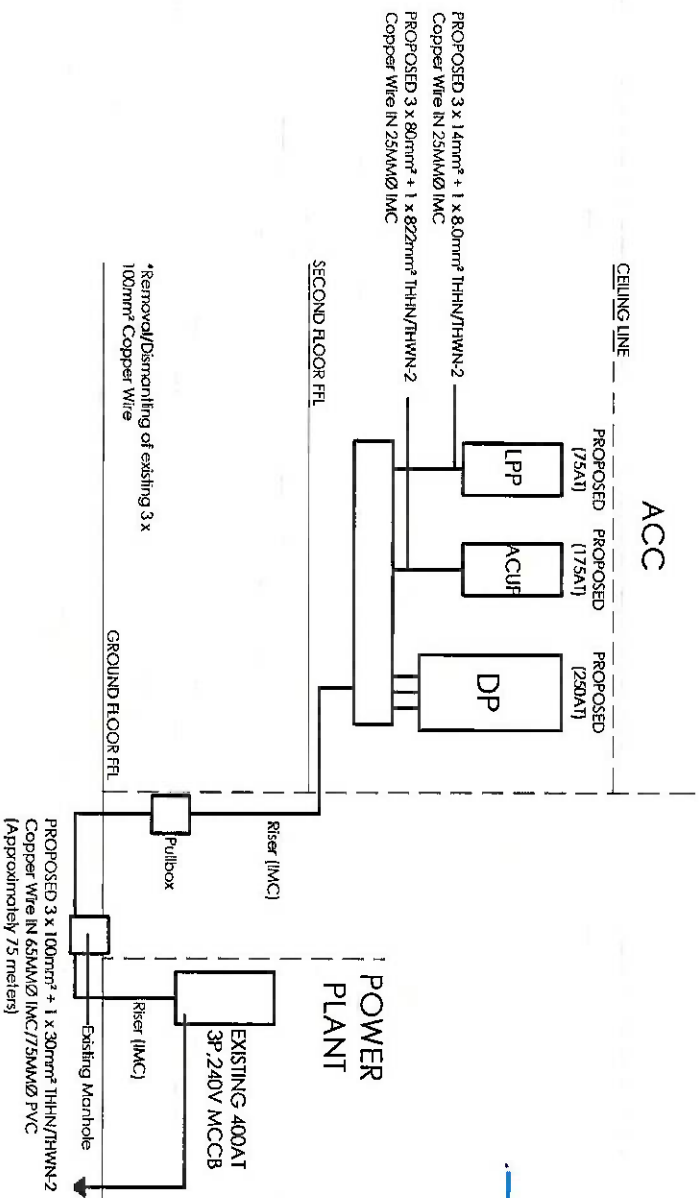
LOCATION:
**CAAP HEAD OFFICE
NAA ROAD COR. N. AQUINO AVE,
PASAY CITY**

SHEET CONTENTS:
GENERAL NOTES
LEGENDS

DRAWING SCALE:	SHEET NO.
AS SHOWN	E-1

PANEL: <u>LPP Lighting and Power Panelboard</u>									
PHASE: 3 WIRE: 4									
FEEDER CIRCUIT: <u>CONDUIT (65mmØ IMC)</u>									
ENCLOSURE: <u>NEMA-1</u>									
VOLTS: <u>240V</u>									
CABLE: <u>3 x 14.0 mm² + 8.0 mm² THHN/THWN-2 copper wire</u>									
CKT. No.	LOAD DESCRIPTION	NO. OF OUTLET	VA	PHASE	AMP	CB RATING	SIZE OF WIRE	CONDUIT	
1	LIGHTING OUTLET	36	740	1	3.22	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ EMT	
2	LIGHTING OUTLET	12	300	1	1.30	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ PVC	
3	LIGHTING OUTLET	34	740	1	3.22	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ PVC	
4	LIGHTING OUTLET, EXHAUST FAN	13.3	500	1	2.17	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
5	LIGHTING OUTLET, EXHAUST FAN	15.2	515	1	2.24	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
6	LIGHTING OUTLET, EXHAUST FAN	30.1	820	1	3.56	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ PVC	
7	EXHAUST FAN	33.44	795	1	3.46	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ PVC	
8	CONVENIENCE OUTLET, EMER. LIGHT	8.1	1450	1	6.3	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
9	CONVENIENCE OUTLET	10	1800	1	7.83	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
10	CONVENIENCE OUTLET, EMER. LIGHT	8.2.1	1530	1	6.65	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
11	CONVENIENCE OUTLET, EMER. LIGHT	6.1	1090	1	4.74	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
12	CONVENIENCE OUTLET, EMER. LIGHT	10.2	1640	1	7.13	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
13	CONVENIENCE OUTLET	4	720	1	3.13	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
14	CONVENIENCE OUTLET, EMER. LIGHT	10.1	1810	1	7.87	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
15	CONVENIENCE OUTLET, EMER. LIGHT	6.2.1	1170	1	5.09	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
16	WALL FAN	8	560	1	2.43	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	15mmØ PVC	
17	IDF AND SMALL APPLANCE	2	2500	1	10.87	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ PVC	
18	SPACE								
T O T A L			18680		25.28	28.54	27.39		
MAIN: <u>75 AT 100 AF 3P MCCB</u>									
MTG: RECESSED TYPE									
ENTERING: @TOP/BOTTOM									
$I_T = (28.54 \times \sqrt{3}) = 49.43 \text{ AMPS}$									
$I_C = 49.43 \text{ AMPS}$									

PANEL: <u>DP(Distribution Panelboard)</u>									
PHASE: 3 WIRE: 4									
FEEDER CIRCUIT: <u>CONDUIT (65mmØ IMC/75mmØ PVC)</u>									
ENCLOSURE: <u>NEMA-1</u>									
VOLTS: <u>240V</u>									
CABLE: <u>3 x 100 mm² + 30 mm² THHN/THWN-2 copper wire</u>									
CKT. No.	LOAD DESCRIPTION	NO. OF OUTLET	VA	PHASE	AMP	CB RATING	SIZE OF WIRE	CONDUIT	
1	LPP (lighting and Power Panelboard)	-	18680	1	25.28	28.54	27.39	75A1, 3P	25mmØ IMC
2	SPACE	-	-	1	1.3	6.47	12.6	109.2	50mmØ IMC
3	ACUP (Air Conditioning Unit Panelboard)	-	50876	1	13	6.47	12.6	109.2	50mmØ IMC
4	SPACE	-	-	1	1	1	1	1	1
T O T A L			50876		38.28	35.01	40	109.2	
MAIN: <u>250 AT 250 AF 3P MCCB</u>									
MTG: RECESSED TYPE									
ENTERING: @TOP/BOTTOM									
$I_T = (40 \times \sqrt{3}) + 109.2 + (25\% \times 18.2) = 183.03 \text{ AMPS}$									
$I_C = 183.03 \text{ AMPS}$									
$I_{CB} = 205.78 \text{ AMPS}$									



*The works includes the dismantling/removal of existing conduits, cable trays, wires, cables, panelboards and other devices which are affected by the proposed rehabilitation.

*Approval by the Project-In-Charge is needed prior to the dismantling of such materials.

PANEL: <u>ACUP/Air-Conditioning Unit Panelboard</u>									
PHASE: 3 WIRE: 4									
FEEDER CIRCUIT: <u>CONDUIT (65mmØ IMC)</u>									
ENCLOSURE: <u>NEMA-1</u>									
VOLTS: <u>240V</u>									
CABLE: <u>3 x 80 mm² + 22 mm² THHN/THWN-2 copper wire</u>									
CKT. No.	LOAD DESCRIPTION	NO. OF OUTLET	VA	PHASE	AMP	CB RATING	SIZE OF WIRE	CONDUIT	
1	3.0 HP ACCU-3	-	2990	1	13	30A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
2	SPACE	-	-	1	1	1	1	1	1
3	2.5 HP ACCU-4	-	2898	1	12.6	30A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
4	SPACE	-	-	1	1	1	1	1	1
5	1.5 HP ACCU-5	-	1488	1	6.47	20A1, 2P	2.3.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
6	SPACE	-	-	1	1	1	1	1	1
7	7.0 HP ACCU-1(A)	-	7250	3	18.2	40A1, 3P	3.5.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
8	7.0 HP ACCU-1(B)	-	7250	3	18.2	40A1, 3P	3.5.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
9	7.0 HP ACCU-2(A)	-	7250	3	18.2	40A1, 3P	3.5.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
10	7.0 HP ACCU-2(B)	-	7250	3	18.2	40A1, 3P	3.5.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
11	7.0 HP ACCU-2(C)	-	7250	3	18.2	40A1, 3P	3.5.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
12	7.0 HP ACCU-2(D)	-	7250	3	18.2	40A1, 3P	3.5.5mm ² & 1.3.5mm ² THHN/THWN-2 CU WIRE	20mmØ EMT	
T O T A L			50876		13	6.47	12.6	109.2	
MAIN: <u>175 AT 250 AF 3P MCCB</u>									
MTG: RECESSED TYPE									
ENTERING: @TOP/BOTTOM									
$I_T = (13 \times \sqrt{3}) + 109.2 + (25\% \times 18.2) = 136.27 \text{ AMPS}$									
$I_C = 136.27 \text{ AMPS}$									
$I_{CB} = 159.02 \text{ AMPS}$									

DESIGNED BY: RMD	INITIAL / DATE: RMD / 10/10/2023
DRAWN BY: JPCAR	INITIAL / DATE: JPCAR / 10/10/2023
CHECKED BY: RULAR	INITIAL / DATE: RULAR / 10/10/2023
REVIEWED BY: RMD	INITIAL / DATE: RMD / 10/10/2023
SUBMITTED BY: RENNE A. SANTIAGO	Director, Chief of RMD, ADMAS
RECOMMENDED APPROVAL: ARNEL F. BORLADO	Department Manager, RMD, ADMAS
APPROVED: LT COL. WENDELINO A. DIONELA PAF RET	ADMAS
CAPTAIN MANUEL VICTORIANO	Director, Chief of RMD, ADMAS
NOTES/REVISIONS:	
PROJECT: RENOVATION OF 2ND FLOOR AIRMANS FACILITY COMPLEX	
LOCATION: CAAP HEAD OFFICE	
	NASA ROAD COR. N. AQUINO AVE. PASAY CITY
SHEET CONTENTS:	
SCHEDULE OF LOADS	
POWER SINGLE LINE	
DIAGRAM	
DRAWING SCALE: AS SHOWN	SHEET NO. E-2



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF:	INITIAL / DATE
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ADG II, ADMS

NOTES/REVISIONS:
CAPTAIN M. NUDELA
Division Chief I, AD-ADMS

PROJECT:

REHABILITATION OF 2ND FLOOR
AIRWAYS FACILITY COMPLEX

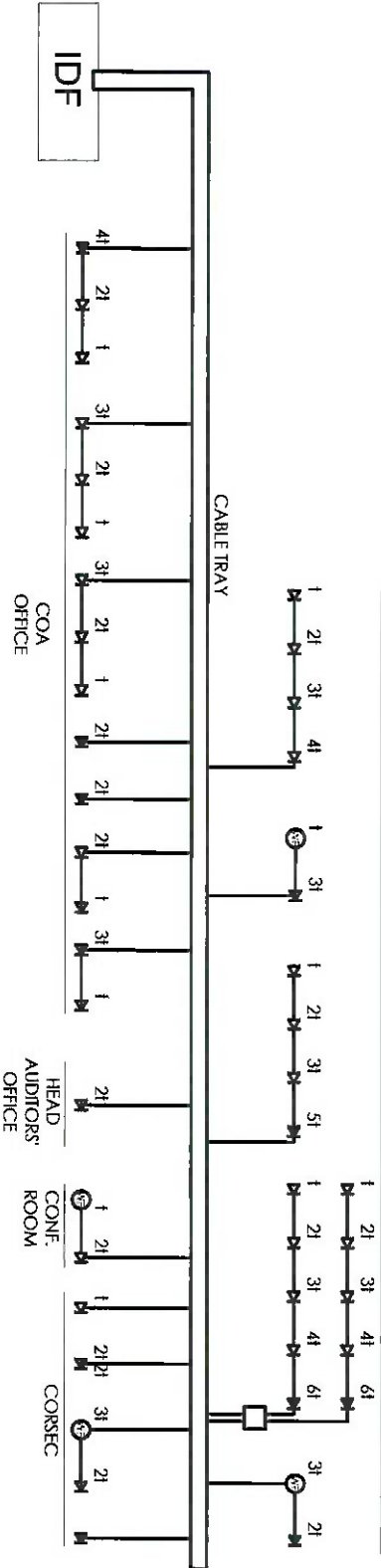
LOCATION:

CAAP HEAD OFFICE
NMA ROAD COR. N. AQUINO AVE.
PASAY CITY

SHEET CONTENTS:
DATA AND VOICE RISER
DIAGRAM
FDS RISER DIAGRAM

DRAWING SCALE: SHEET NO. E-3
AS SHOWN

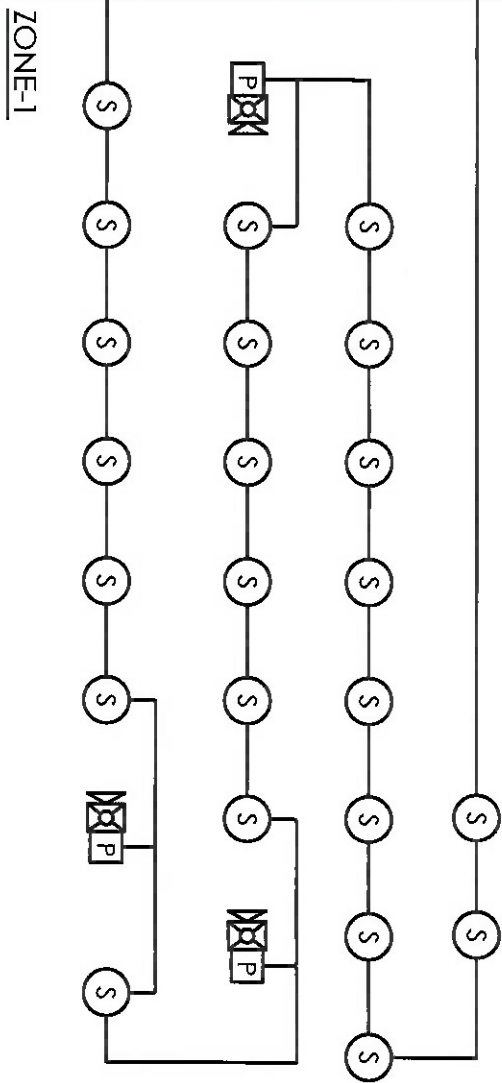
INTERNAL AUDIT



WIRING SCHEDULE:

- 1 - 4-PAIR CAT6 UTP CABLE IN 20MMØ PVC/15MMØ EMT
- 21/31 - (2-3)4-PAIR CAT6 UTP CABLE IN 25MMØ PVC/20MMØ EMT
- 41/51/61 - (4-6)4-PAIR CAT6 UTP CABLE IN 32MMØ PVC/25MMØ EMT

SECOND FLOOR



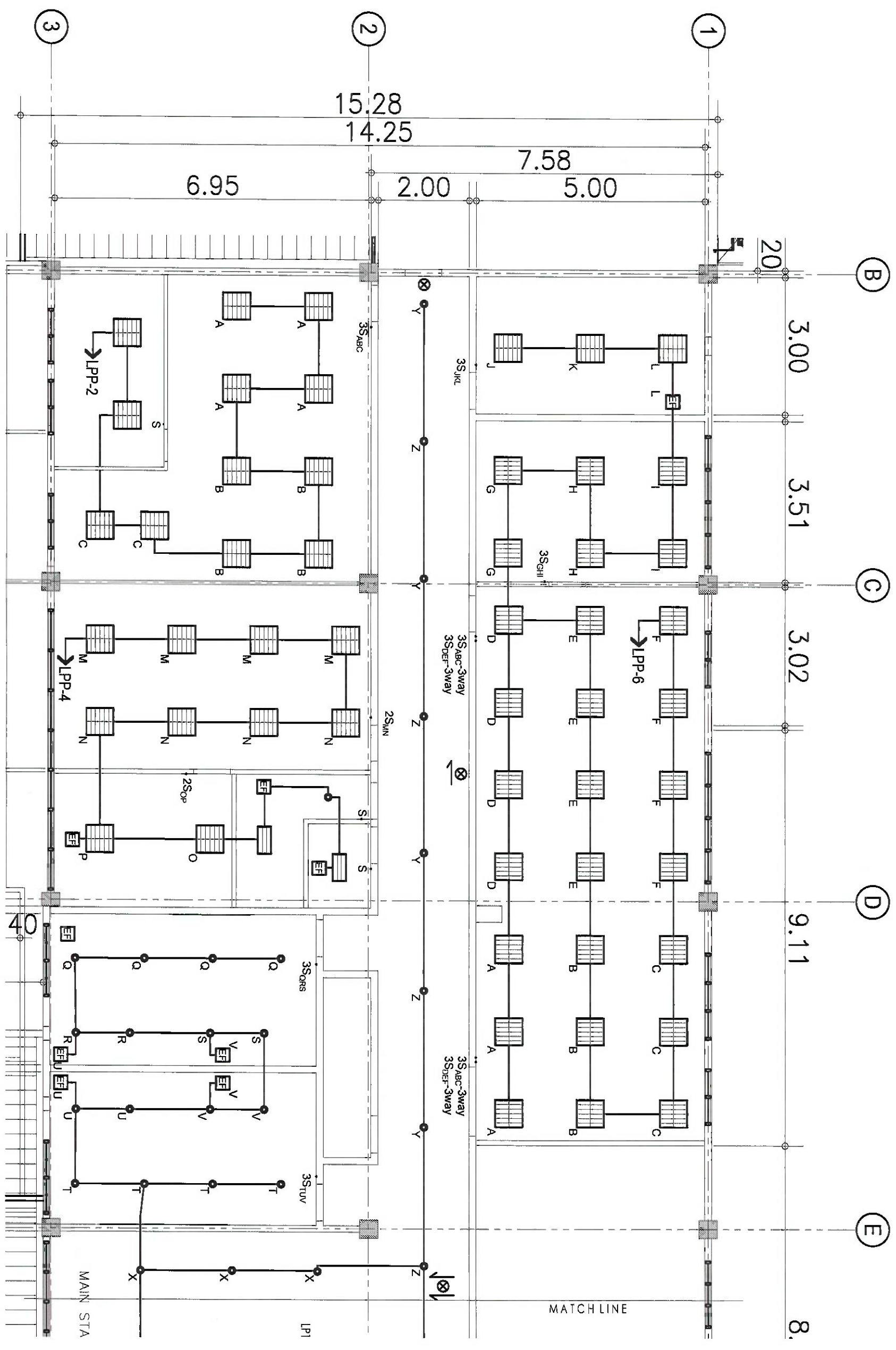
ZONE-1

LOCATED NEAR
GUARDS TABLE
AT GROUND FLOOR

WIRING SCHEDULE:

- USE 1.25MM² TWISTED PAIR + 1.25MM² TWISTED PAIR IN 15mmØ EMT
- USE 1.25MM² TWISTED PAIR IN 15mmØ EMT

⑤	SMOKE DETECTOR	RECESSED MOUNTED
Ⓟ	PULL STATION AND HORN STROBE	
FACP	FIRE ALARM CONTROL PANEL	1800 FROM TOP TO FIN. FLOOR



PARTIAL LIGHTING LAYOUT PLAN
SCALE: 1:50M

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CAA

AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF: INITIAL / DATE

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CHECKED BY: RMD

REVIEWED BY:

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Department Manager III AED-ADMS

APPROVED: LT COL-VALENTINO A. DIONELA PAE RET

ADSL-ADMS

CAPTAIN MAURICIO L. TAMAYO

NOTES/REVISIONS

PROJECT: REHABILITATION OF 2ND FLOOR

AIRWAYS FACILITY COMPLEX

LOCATION: CAAP HEAD OFFICE

NMA ROAD COR. N. AQUINO AVE.

PASAY CITY

SHEET CONTENTS: PARTIAL LIGHTING LAYOUT

PLAN

DRAWING SCALE: AS SHOWN

SHEET NO: E-4



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

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Department Manager III, AED-ADMS

APPROVED: LT COL. MARCELO A. BIONELA PAF-RET
ADMS II, ADMS

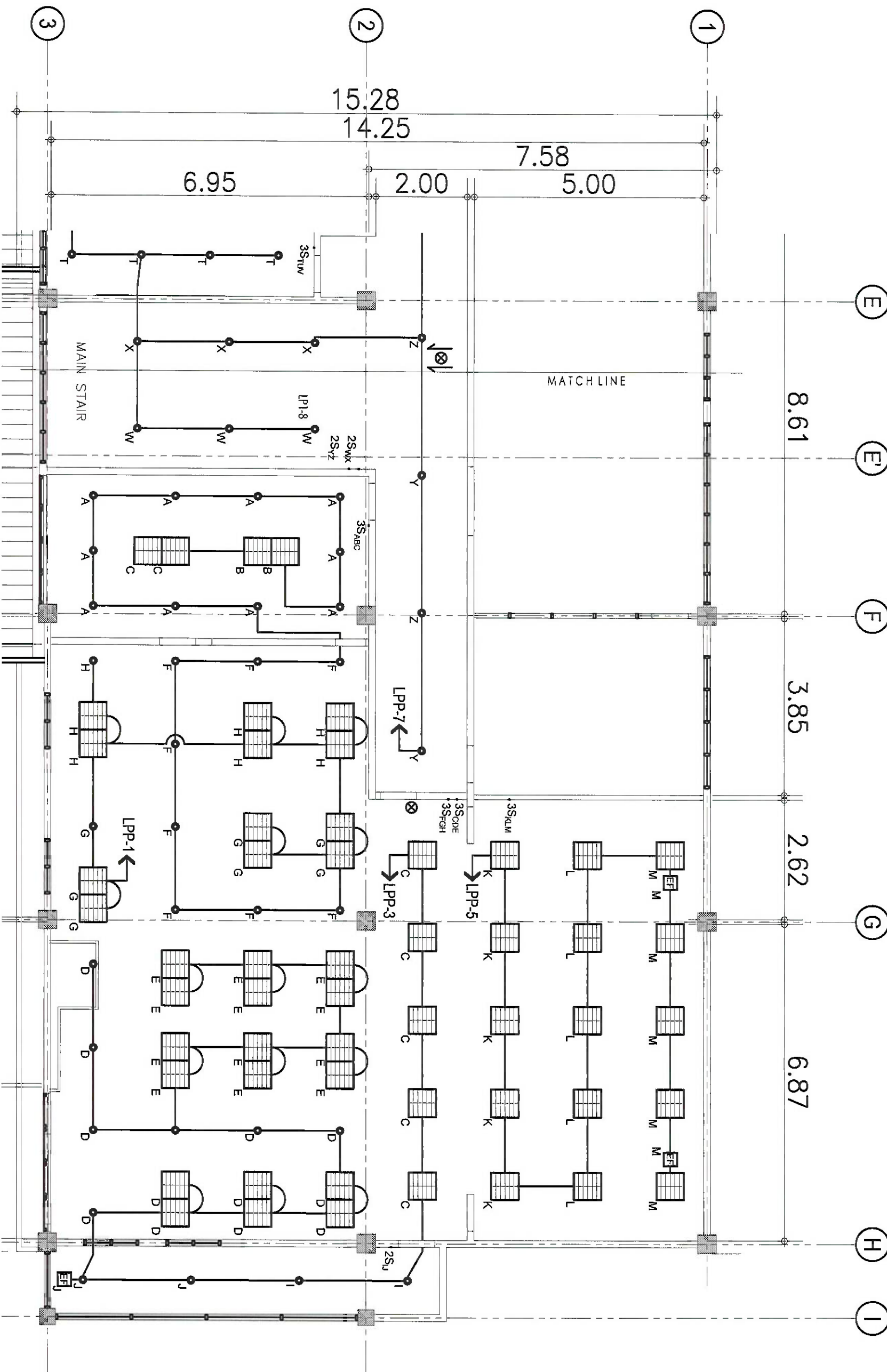
CAPTAIN MARCELO A. BIONELA PAF-RET
Department Manager III, AED-ADMS

NOTES/REVISIONS:

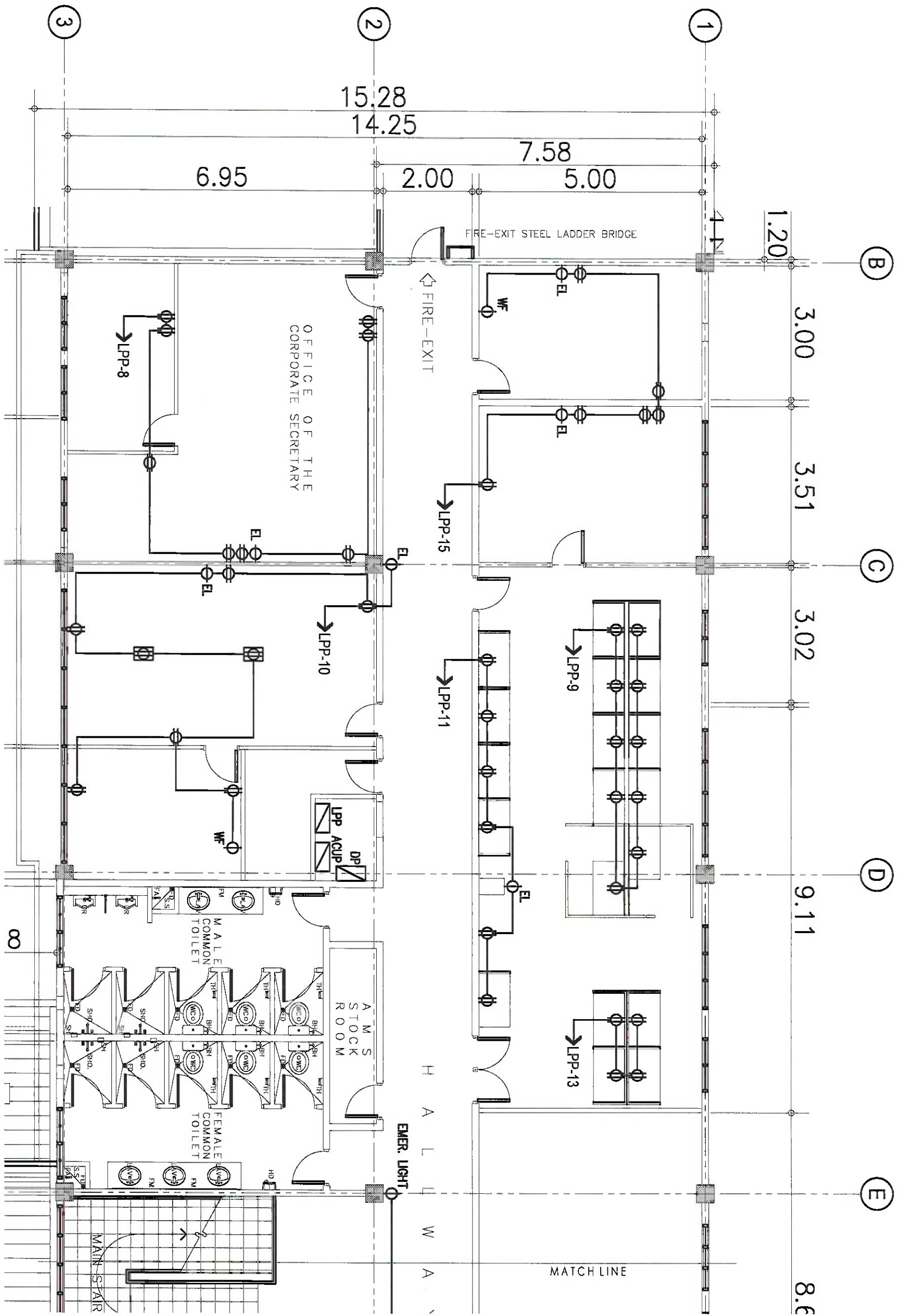
PROJECT:	REHABILITATION OF 2ND FLOOR AIRWAYS FACILITY COMPLEX
LOCATION:	CAAP HEAD OFFICE NMA ROAD COR. N. AQUINO AVE. PASAY CITY

SHEET CONTENTS:
PARTIAL LIGHTING LAYOUT PLAN

DRAWING SCALE:	SHEET NO.
AS SHOWN	E-5



PARTIAL
LIGHTING LAYOUT PLAN
SCALE: 1:50M



PARTIAL
POWER LAYOUT PLAN
SCALE: 1:50M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

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CHECKED BY: RUIAR	

REVIEWED BY:

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SUBMITTED BY:

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Department Manager III, AEO-ADMS

RECOMMENDED APPROVAL:

APPROVED:
LT COL VALENTINO A. DIONELA, PAF RET
AEO II, ADMS

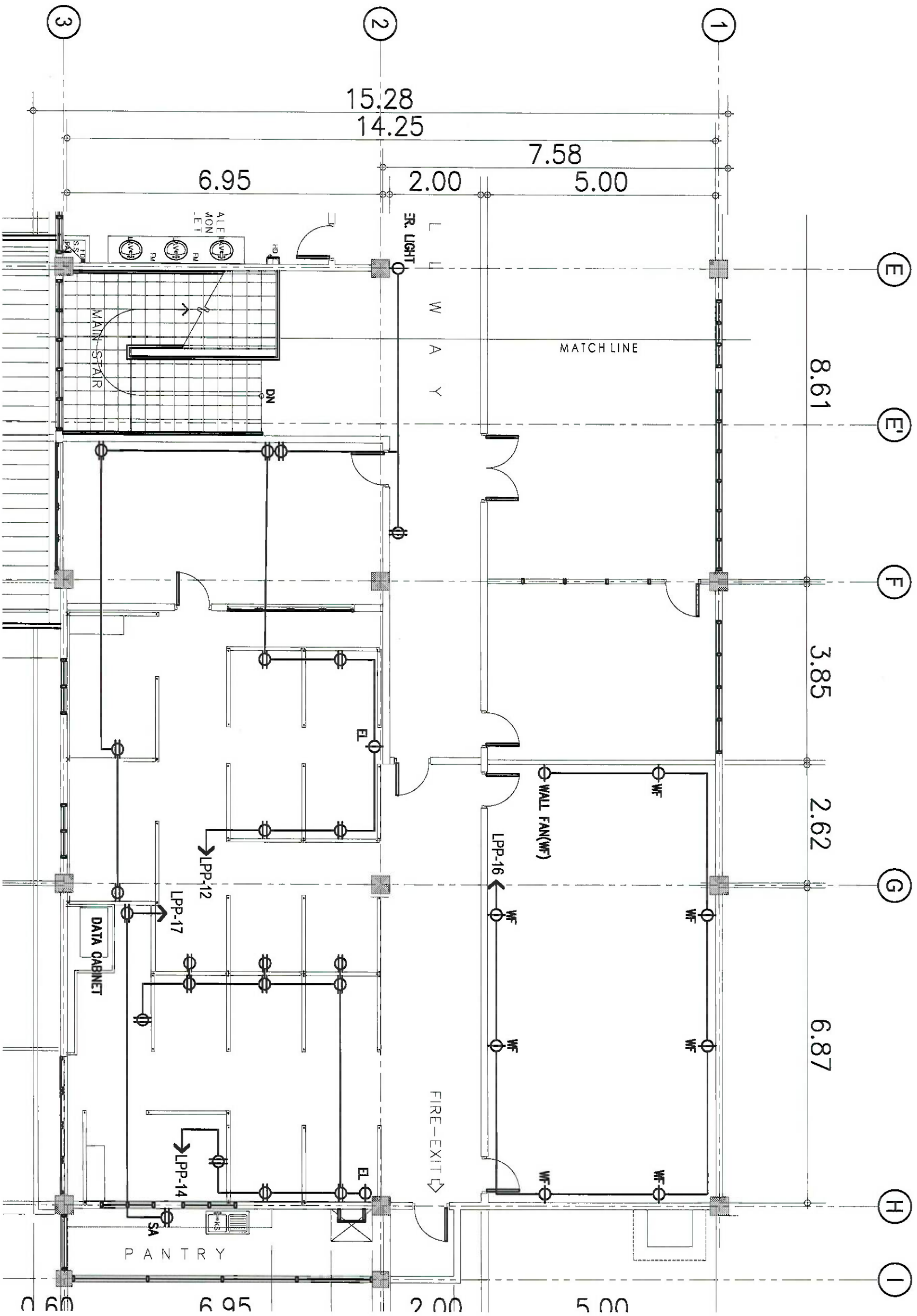
CAPTAIN MAURICE ANTONIO TAMAYO
NOTES/REVISIONS

PROJECT:
REHABILITATION OF 2ND FLOOR
AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NMA ROAD COR. N. ARLANO AVE.
PASAY CITY

SHEET CONTENTS:
PARTIAL POWER LAYOUT
PLAN

DRAWING SCALE:	SHEET NO.
AS SHOWN	E-6



PARTIAL
POWER LAYOUT PLAN
SCALE: 1:50M



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AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF:	INITIAL / DATE
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DRAWN BY: JFCJR	
CHECKED BY: RUAJR	

REVIEWED BY:

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ARNEL F. BORLADO
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APPROVED: LT COL. VALENTINO A. DIONELA PAF RET
ADMS II, ADMS

CAPTAIN MANUEL ANTONIO L. TAMAYO
Division Chief I, AED-ADMS

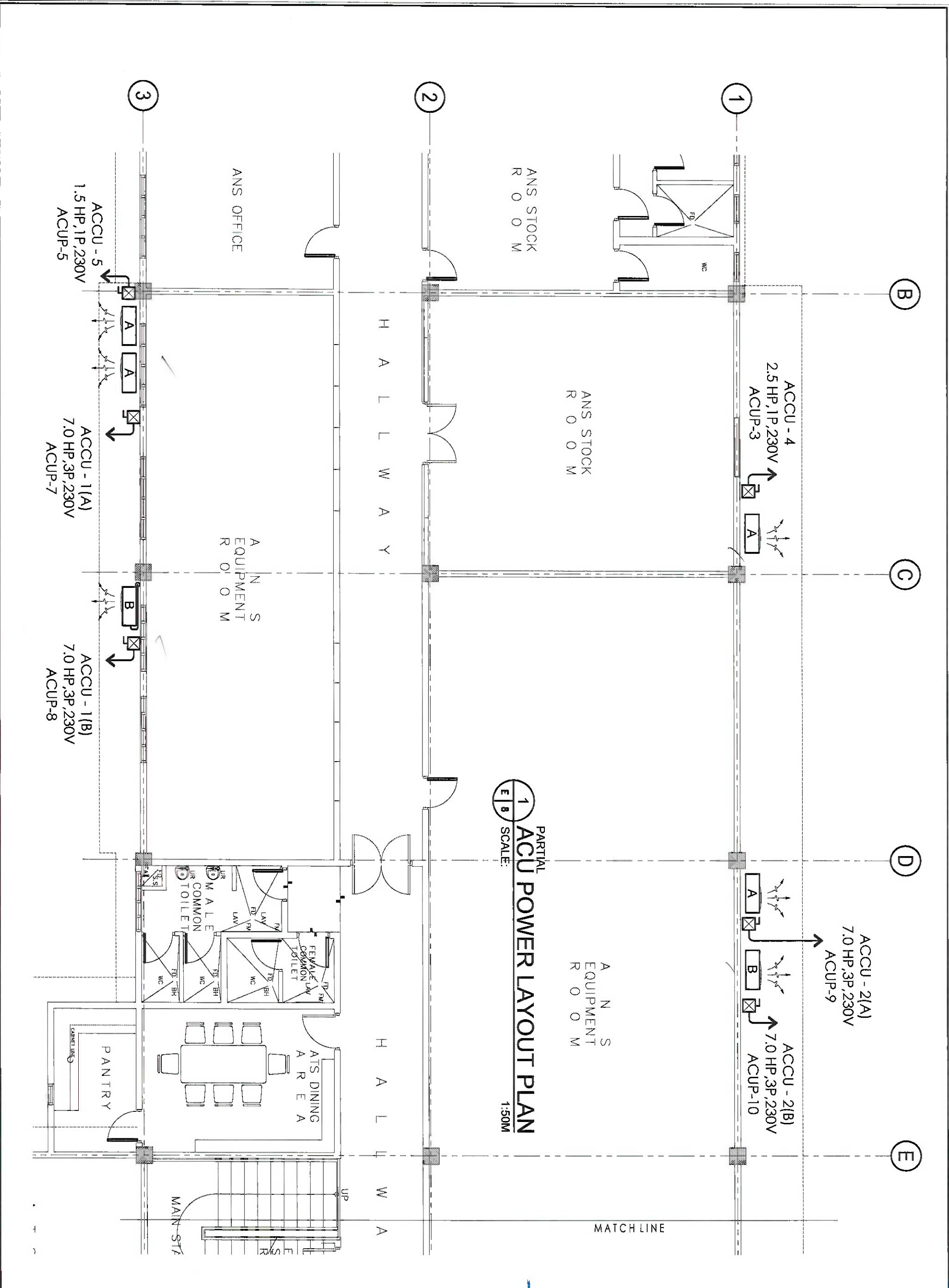
NOTES/REVISIONS:



PROJECT: REHABILITATION OF 2ND FLOOR AIRWAYS FACILITY COMPLEX

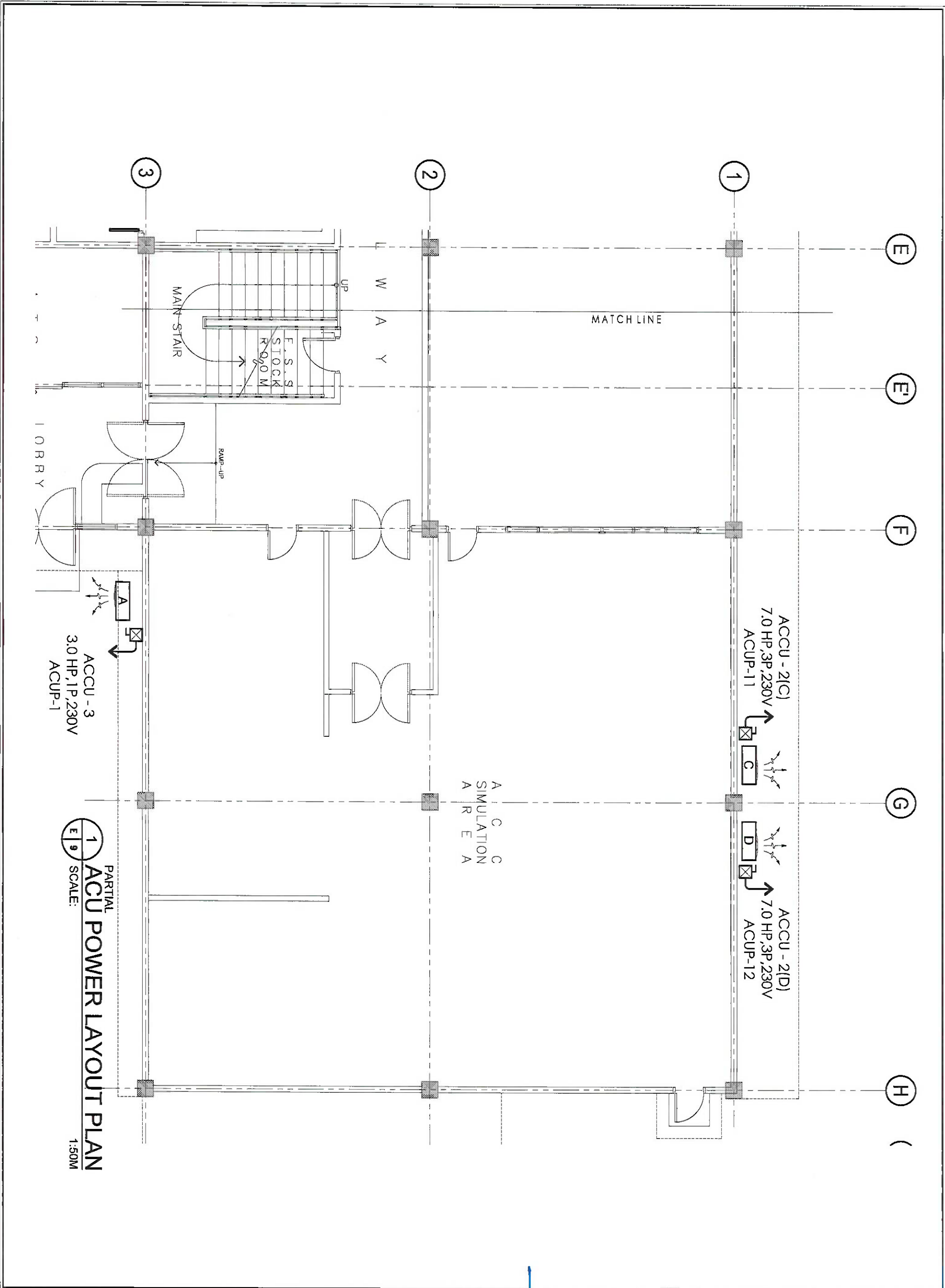
LOCATION: CAAP HEAD OFFICE
NIAA ROAD COR. N. AQUINO AVE.
PASAY CITY



SHEET CONTENTS:
PARTIAL POWER LAYOUT PLAN

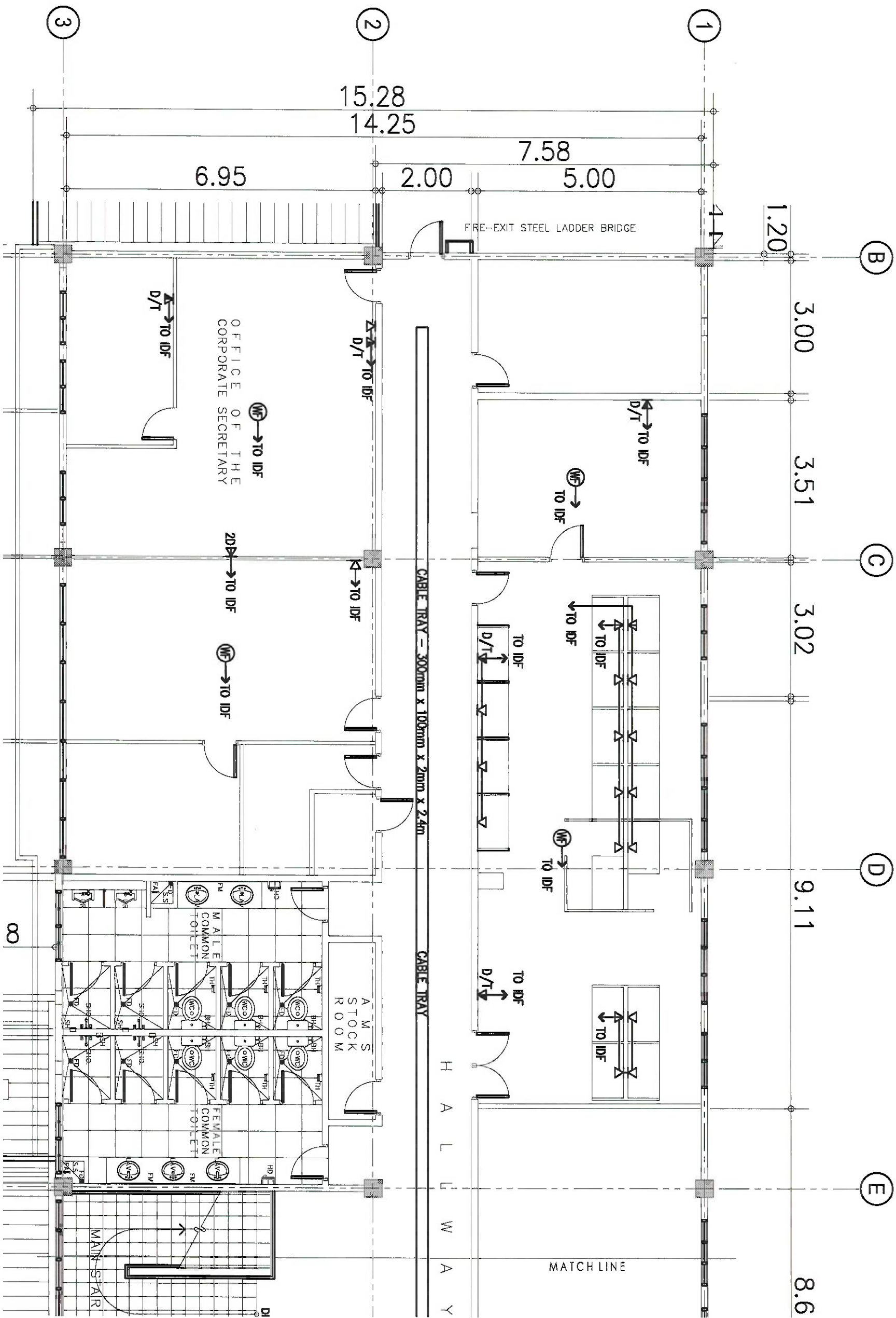
DRAWING SCALE:	SHEET NO.:
AS SHOWN	E-7



 	
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DESIGN STAFF:	INITIAL / DATE
DESIGNED BY: RMD	
DRAWN BY: JPCJR	
CHECKED BY: RILAR	
REVIEWED BY:	
RENEE A. SANTIAGO Division Chief III, RMD - ADMS	
SUBMITTED BY:	
ARNEL F. BORLADO Department Manager III, AD-ADMS	
RECOMMENDED APPROVAL:	
APPROVED:	
LT COL. ARNOLDO A. DIONELA PAF REI ADMS II, AD-ADMS	
CAPTAIN MANUEL L. TAMAYO ADMS II, AD-ADMS	
NOTES/REVISIONS:	
PROJECT:	
REHABILITATION OF 2ND FLOOR AIRWAYS FACILITY COMPLEX	
LOCATION:	
CAAP HEAD OFFICE NUSA ROAD COR. N. AQUINO AVE, PASAY CITY	
SHEET CONTENTS:	
PARTIAL ACU POWER LAYOUT PLAN	
DRAWING SCALE:	SHEET NO.
AS SHOWN	E-8



 	
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REPAIR AND MAINTENANCE DIVISION	
DESIGN STAFF:	INITIAL / DATE
DESIGNED BY: RMD	
DRAWN BY: JPCAR	
CHECKED BY: RLAR	
REVIEWED BY:	
SUBMITTED BY: RENNE A. SANTIAGO Division Chief III, RMD - ADMS	
RECOMMENDED APPROVAL: ARNEL F. BORLADO Department Manager III, AED-ADMS	
APPROVED: LT COL VALENTINO A. DIONELA PAF REI ADMS	
CAPTAIN MANUEL ANTONIO L. TAMAYO Director General	
NOTES/REVISIONS:	
PROJECT: REHABILITATION OF 2ND FLOOR AIRWAYS FACILITY COMPLEX	
LOCATION: CAAP HEAD OFFICE NMA ROAD COR. N. AQUINO AVE, PASAY CITY	
SHEET CONTENTS:	SHEET NO.
PARTIAL ACU POWER LAYOUT PLAN	E-9
DRAWING SCALE:	AS SHOWN



PARTIAL
1 DATA AND VOICE SYSTEM LAYOUT PLAN
E-10 SCALE: 1:50M



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF	INITIAL / DATE
DESIGNED BY: RMD	
DRAWN BY: JFCAR	
CHECKED BY: RLAR	

REVIEWED BY:

SUBMITTED BY:
RENNE A. SANTIAGO
DIVISION CHIEF III, RMD - ADMS

RECOMMENDED APPROVAL:
ARNEL F. FORLADO
Department Manager III, AED-ADMS

APPROVED:
LITOCAS, ADELINO A. DIONELIA PAF RET
ADG II, ADMS

CAPTAIN ROBERTO L. TAMAYO
DEPARTMENTAL MANAGER III, AED-ADMS

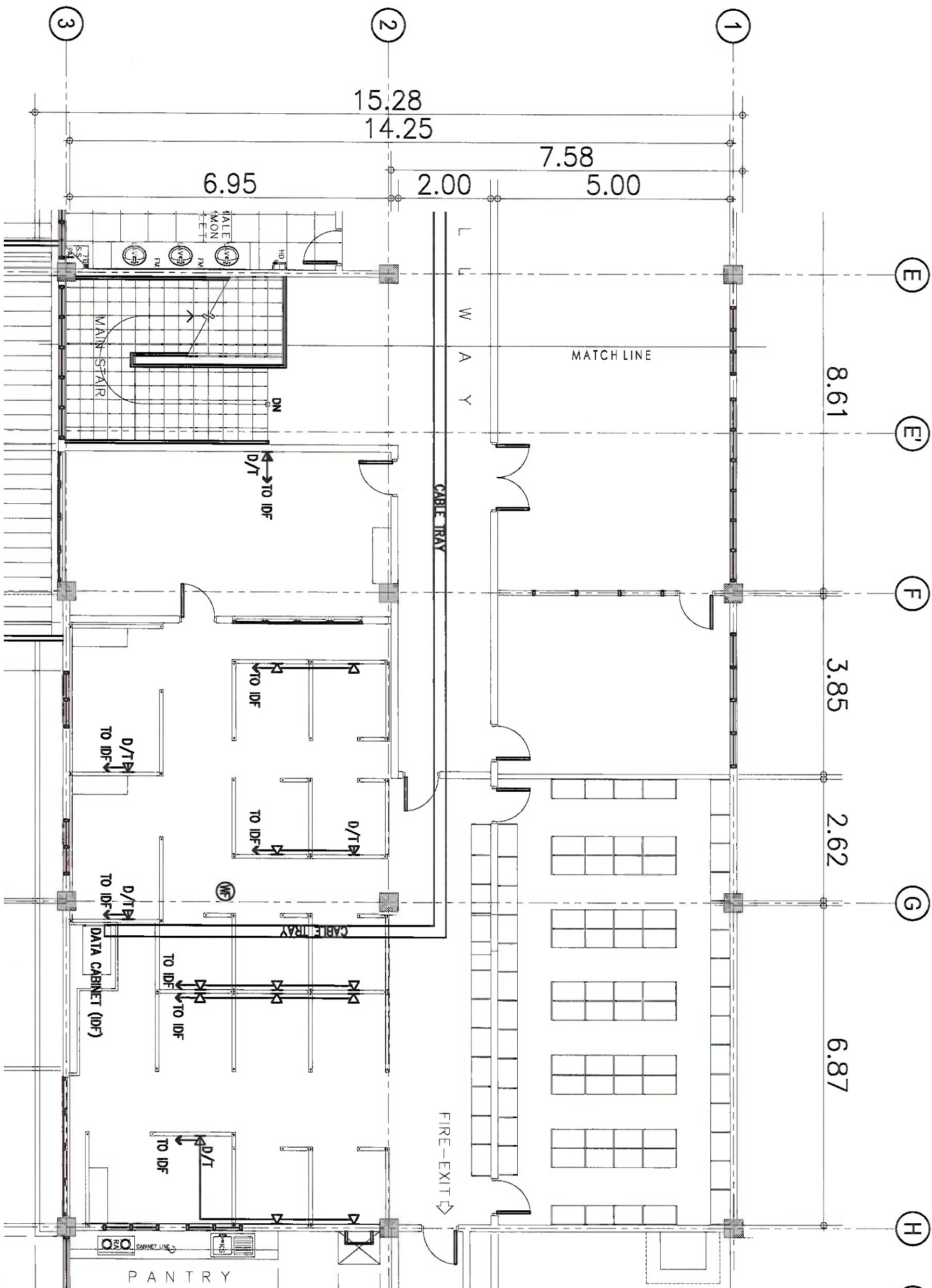
NOTES/REVISIONS

PROJECT:
REHABILITATION OF 2ND FLOOR
AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NAA ROAD COR. N. AQUINO AVE.
PASAY CITY

SHEET CONTENTS:
PARTIAL DATAVOICE
SYSTEM LAYOUT PLAN

DRAWING SCALE	SHEET NO.
AS SHOWN	E-10



PARTIAL
DATA AND VOICE SYSTEM LAYOUT PLAN
1
E 11 SCALE: 1:50M



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: RMD

DRAWN BY: JFCAR

CHECKED BY: RULAR

REVIEWED BY:

SUBMITTED BY:
RENNE A. SANTIAGO
Director, Office III, RMD - ADMS

RECOMMENDED APPROVAL:
ARNEL F. BORLADO
Department Manager III, AD-ADMS

APPROVED:
LT COL VICENTINO A. DIONELA PAF RET
AD-III, ADMS

CAPTAIN MARCEL ANTONIO L. TAMAYO
DE-III, ADMS

NOTES/REVISIONS:

PROJECT:

REHABILITATION OF 2ND FLOOR
AIRWAYS FACILITY COMPLEX

LOCATION:

CAAP HEAD OFFICE
NMA ROAD COR. N. AQUINO AVE,
PASAY CITY

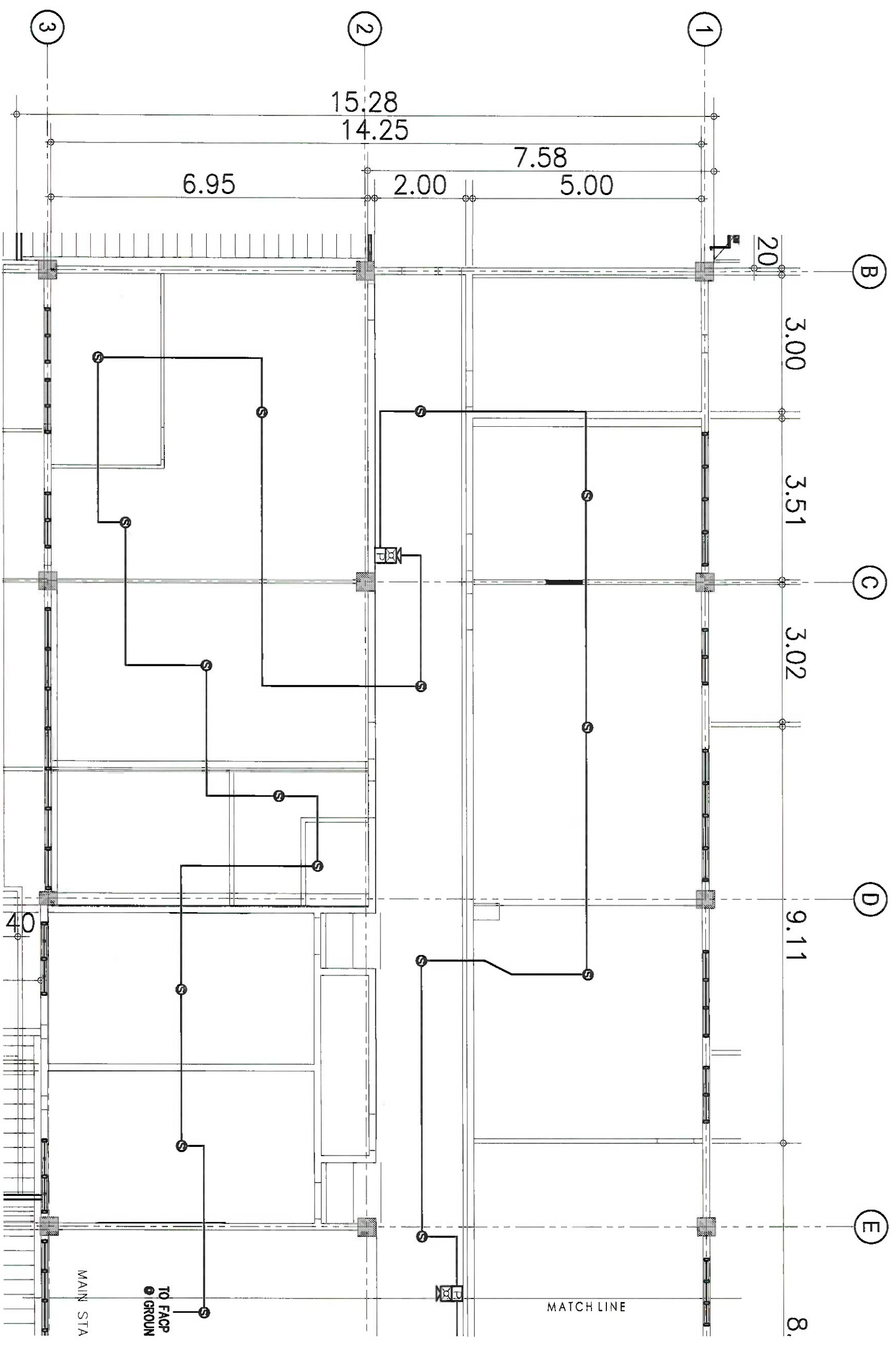
SHEET CONTENTS:
PARTIAL DATAVOICE
SYSTEM LAYOUT PLAN

DRAWING SCALE:

AS SHOWN

SHEET NO:

E-11



PARTIAL
FDAS LAYOUT PLAN
SCALE: 1:50M



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

DESIGN STAFF:	INITIAL / DATE
DESIGNED BY: RMD	
DRAWN BY: JFCAR	
CHECKED BY: RLAR	

REVIEWED BY:

RENNIE A. SANTIAGO
Division Chief III, RMD - ADMS

APPROVED: ARNEL F. BORLADO
Department Manager III, AD-ADMS

APPROVED: LI CO-VENTURINO A. BIONELA PAF-RET
AD-ADMS

CAPTAIN MANUEL ANTONIO L. TAMAYO
Division Chief General

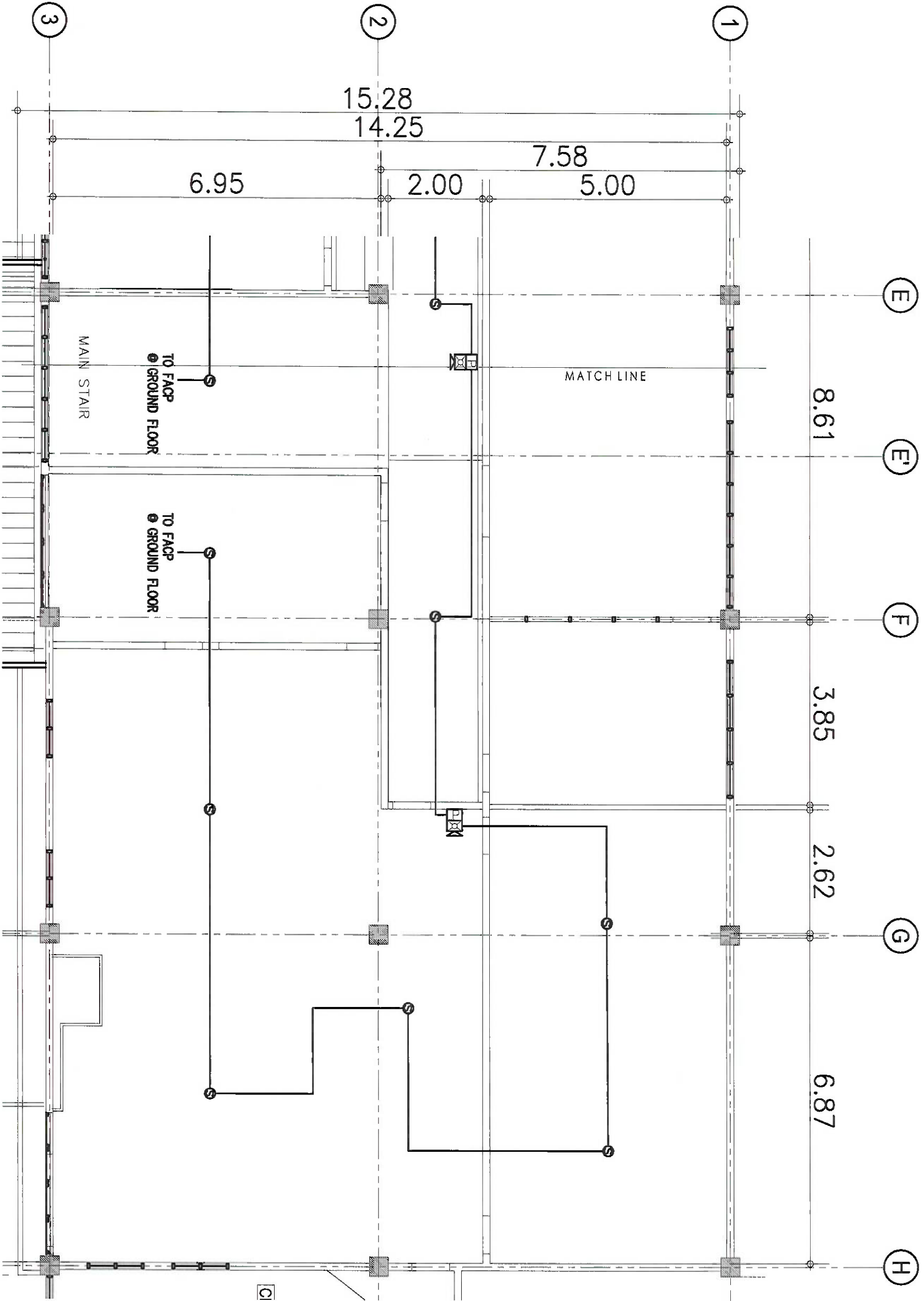
NOTES/REVISIONS:

PROJECT: REHABILITATION OF 2ND FLOOR
AIRWAYS FACILITY COMPLEX

LOCATION: CAAP HEAD OFFICE
NMA ROAD COR. N. AQUINO AVE.
PASAY CITY

SHEET CONTENTS:
PARTIAL FIRE DETECTION
AND ALARM SYSTEM
LAYOUT PLAN

DRAWING SCALE:	SHEET NO.
AS SHOWN	E-12



PARTIAL
FDAS LAYOUT PLAN
SCALE: 1:50M



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AERODROME DEVELOPMENT AND
MANAGEMENT SERVICE

REPAIR AND MAINTENANCE DIVISION

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DESIGNED BY: RMD	
DRAWN BY: JFCAR	
CHECKED BY: RUALR	

REVIEWED BY:

SUBMITTED BY:
RENNE A. SANTIAGO
Division Chief III, RMD - ADMS

APPROVED:
ARNEL F. BORLADO
Department Manager III, AED-ADMS

APPROVED:
LT COL VALENTINO A. DIONELA PAF RET
ASG II, ADMS

CAPTAIN MANUEL NITO O. L. TAMAYO
Direct, G-10

NOTES/REVISIONS:

PROJECT:
REHABILITATION OF 2ND FLOOR
AIRWAYS FACILITY COMPLEX

LOCATION:
CAAP HEAD OFFICE
NAA ROAD COR. N. AQUINO AVE,
PASAY CITY

SHEET CONTENTS:
PARTIAL FIRE DETECTION
AND ALARM SYSTEM
LAYOUT PLAN

DRAWING SCALE: AS SHOWN
SHEET NO.: E-13