


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

REVIEWED BY:


RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:


ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:


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

APPROVED BY:


CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

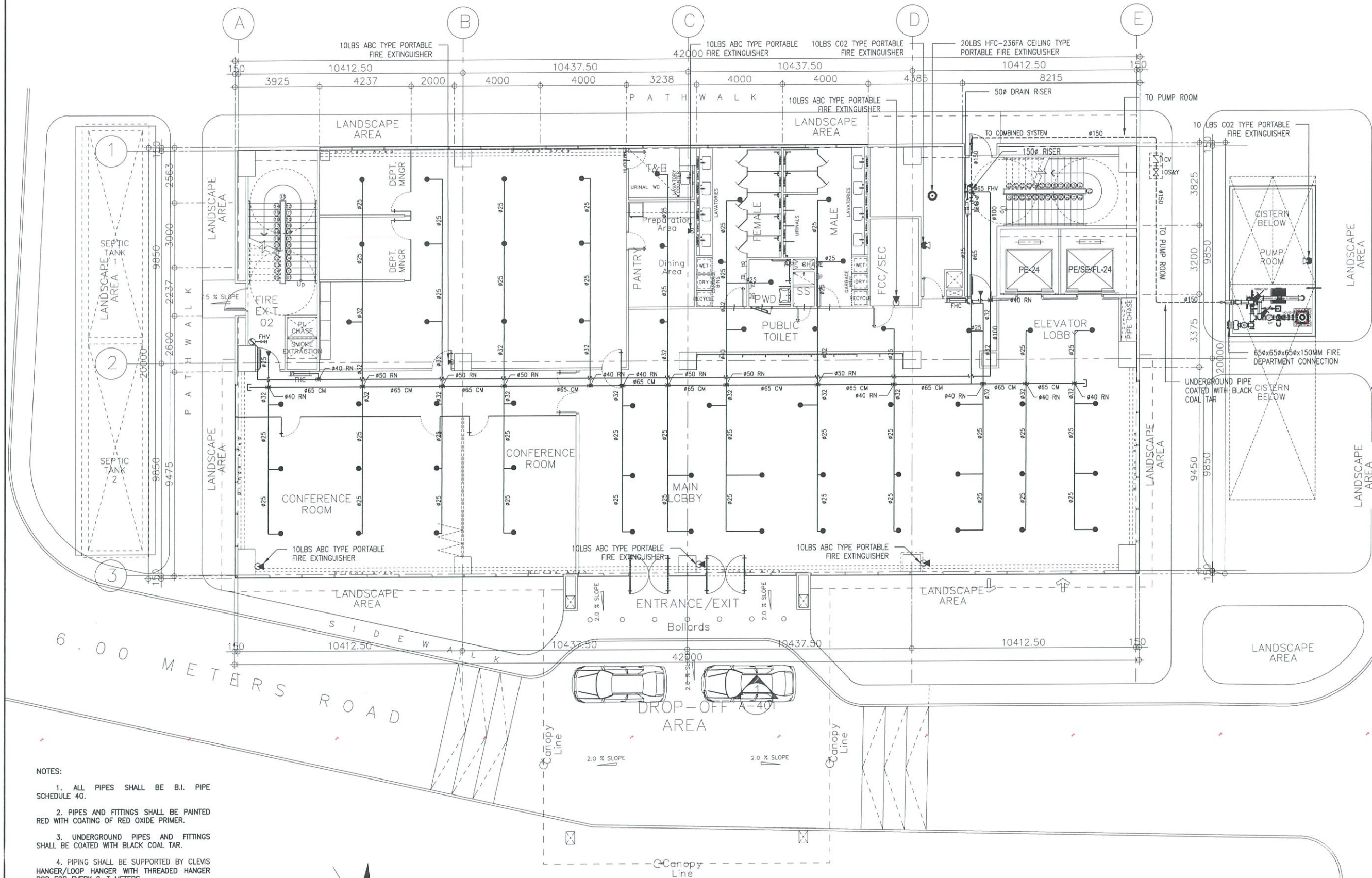
• GROUND FLOOR FIRE PROTECTION LAYOUT

DRAWING SCALE:

AS SHOWN

SHEET NO:

FP-01



NOTES:

1. ALL PIPES SHALL BE B.I. PIPE SCHEDULE 40.
2. PIPES AND FITTINGS SHALL BE PAINTED RED WITH COATING OF RED OXIDE PRIMER.
3. UNDERGROUND PIPES AND FITTINGS SHALL BE COATED WITH BLACK COAL TAR.
4. PIPING SHALL BE SUPPORTED BY CLEVIS HANGER/LOOP HANGER WITH THREADED HANGER ROD FOR EVERY 2-3 METERS.
5. VALVES, WATER FLOW SWITCHES & SPRINKLER HEADS SHALL BE UL LISTED OR FM APPROVED.



1 GROUND FLOOR FIRE PROTECTION LAYOUT

FP-01 SCALE:

1:100 MTS



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTY OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

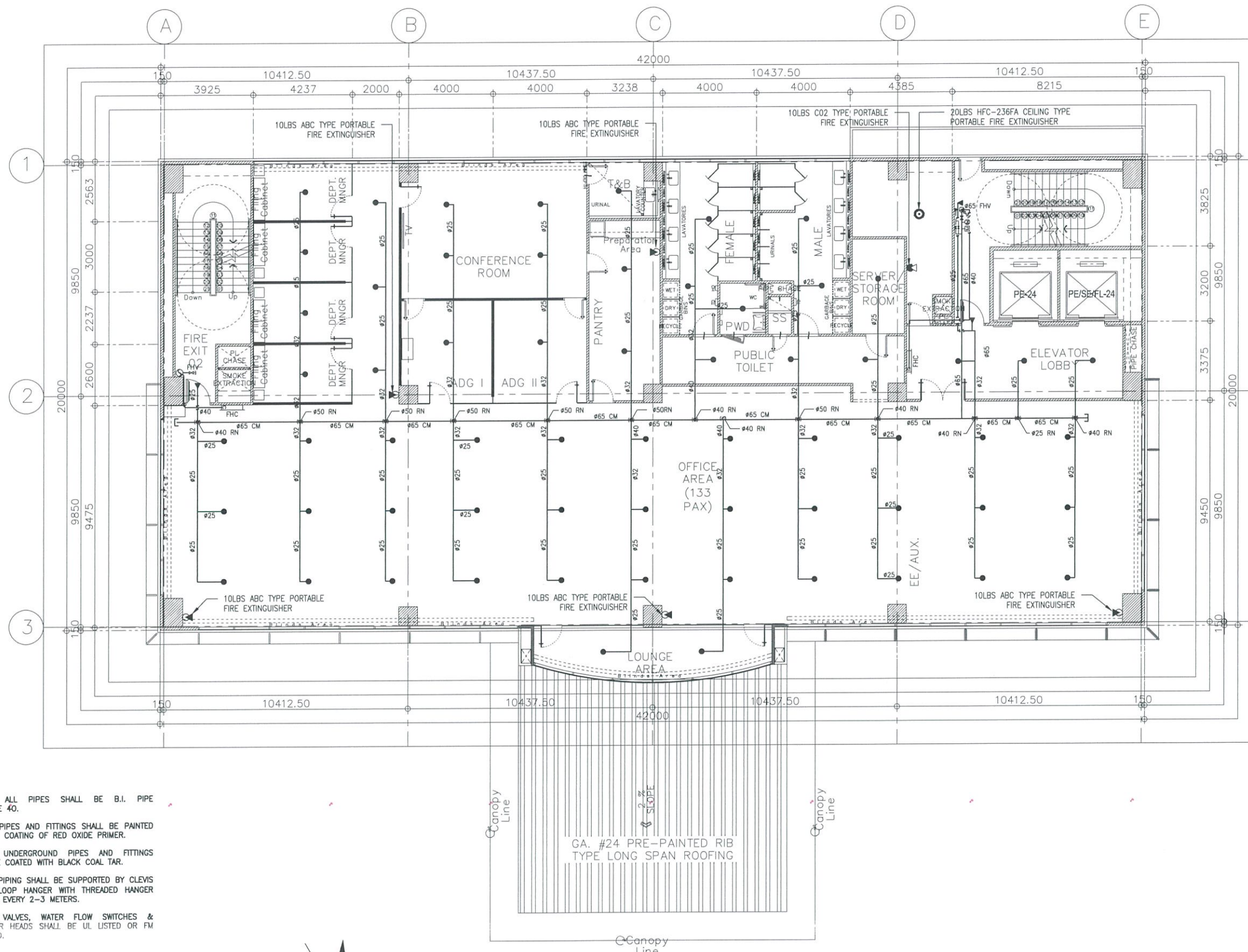
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

• 2ND FLOOR FIRE PROTECTION LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	FP-02



- NOTES:
1. ALL PIPES SHALL BE B.I. PIPE SCHEDULE 40.
 2. PIPES AND FITTINGS SHALL BE PAINTED RED WITH COATING OF RED OXIDE PRIMER.
 3. UNDERGROUND PIPES AND FITTINGS SHALL BE COATED WITH BLACK COAL TAR.
 4. PIPING SHALL BE SUPPORTED BY CLEVIS HANGER/LOOP HANGER WITH THREADED HANGER ROD FOR EVERY 2-3 METERS.
 5. VALVES, WATER FLOW SWITCHES & SPRINKLER HEADS SHALL BE UL LISTED OR FM APPROVED.



1 2ND FLOOR FIRE PROTECTION LAYOUT

FP-02 SCALE: 1:100 MTS



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, PASAY CITY

THIS DRAWINGS AND DESIGN IS EXCLUSIVE
PROPERTIES OF CIVIL AVIATION AUTHORITY OF
THE PHILIPPINES AND SUCH MUST NOT BE
REPRODUCED, EXHIBITED, LOANED NOR
COPIED IN PART OR IN WHOLE WITHOUT
PROPER PERMISSION AND/OR WRITTEN
CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

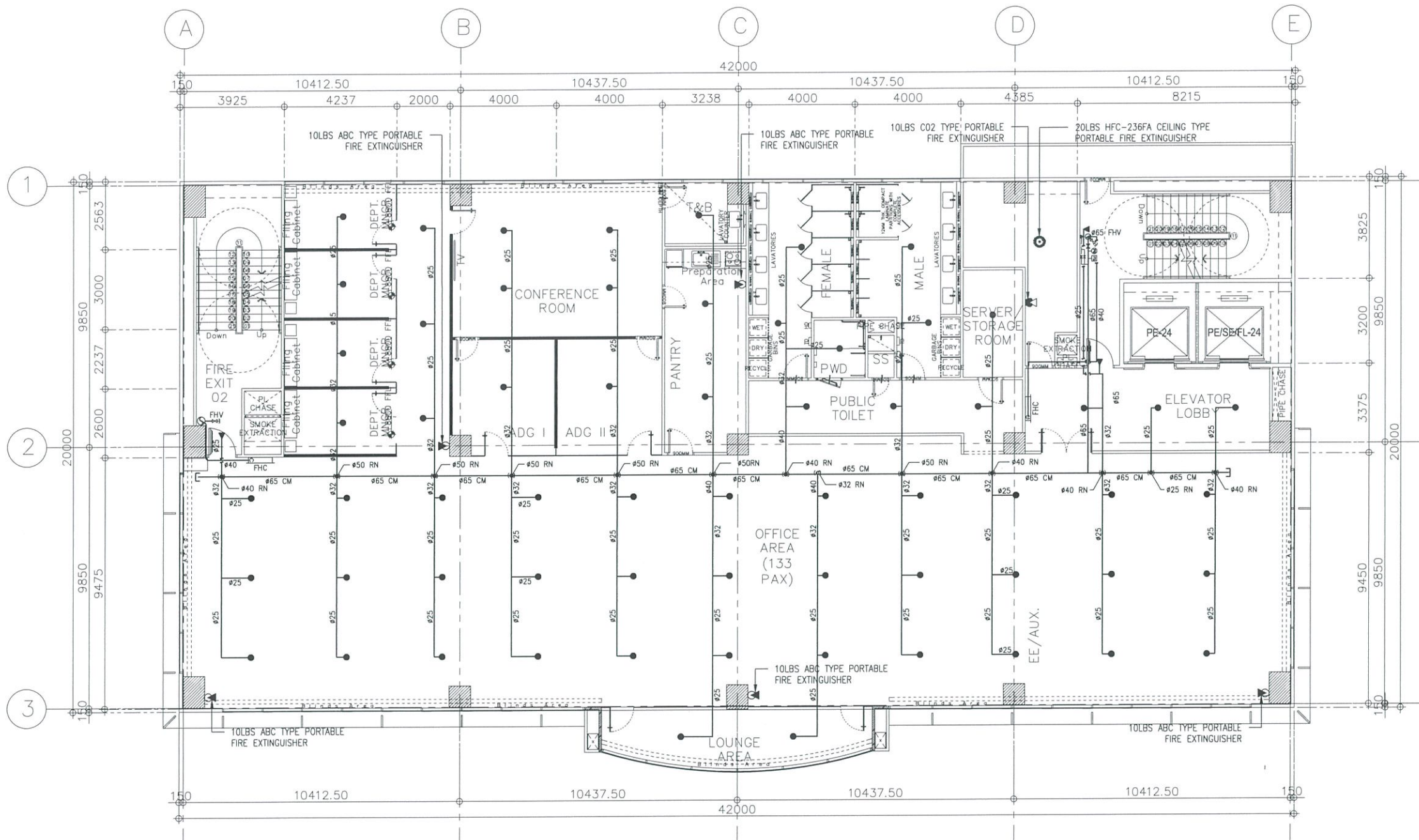
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

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

DRAWING SCALE:	SHEET NO:
AS SHOWN	FP-03



NOTES:

1. ALL PIPES SHALL BE B.I. PIPE SCHEDULE 40.
2. PIPES AND FITTINGS SHALL BE PAINTED RED WITH COATING OF RED OXIDE PRIMER.
3. UNDERGROUND PIPES AND FITTINGS SHALL BE COATED WITH BLACK COAL TAR.
4. PIPING SHALL BE SUPPORTED BY CLEVIS HANGER/LOOP HANGER WITH THREADED HANGER ROD FOR EVERY 2-3 METERS.
5. VALVES, WATER FLOW SWITCHES & SPRINKLER HEADS SHALL BE UL LISTED OR FM APPROVED.



1 3RD-5TH FLOOR FIRE PROTECTION LAYOUT (TYPICAL)
FP-03 SCALE: 1:100 MTS



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

THIS DRAWINGS AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

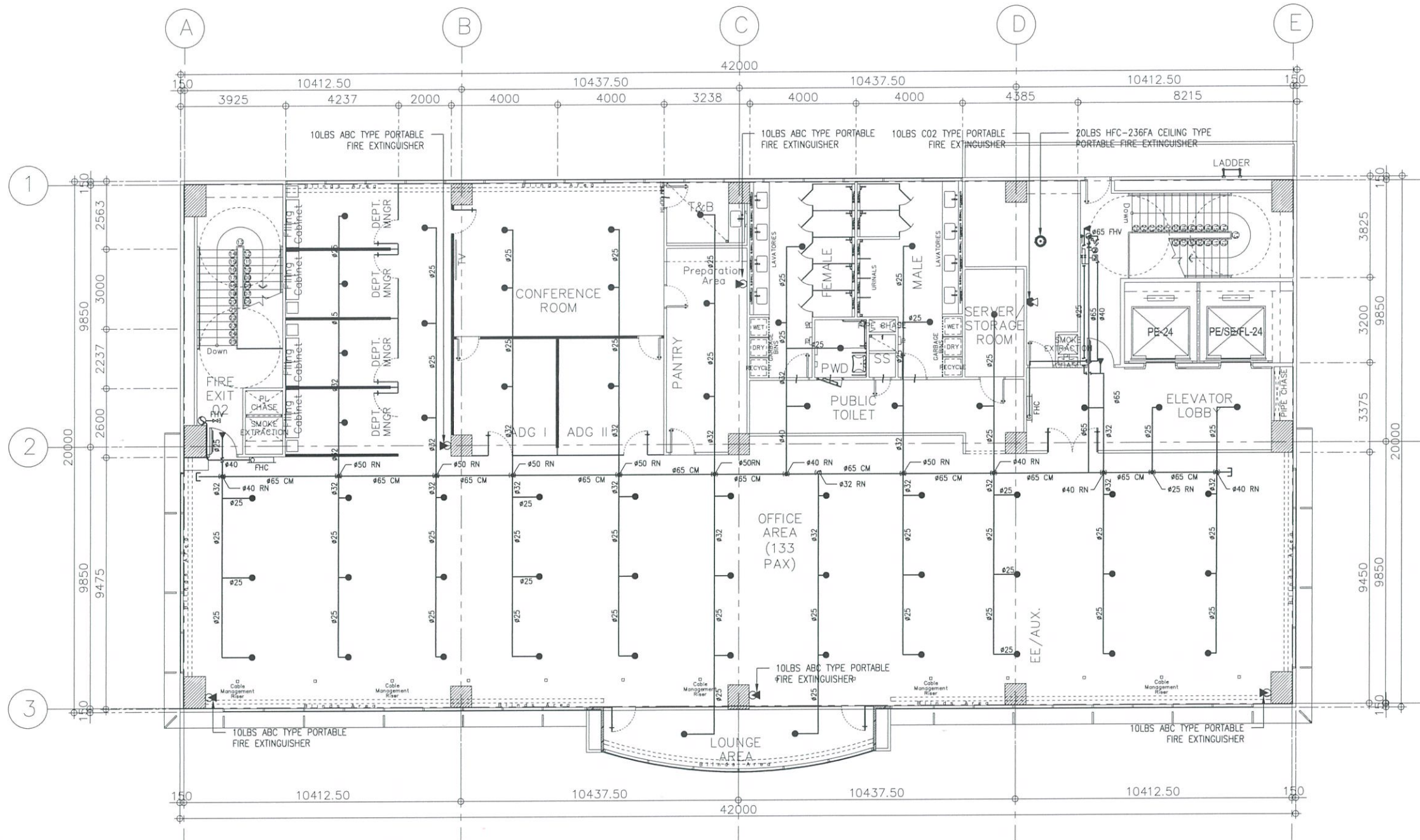
• 6TH FLOOR FIRE PROTECTION LAYOUT

DRAWING SCALE:

AS SHOWN

SHEET NO:

FP-04



NOTES:

1. ALL PIPES SHALL BE B.I. PIPE SCHEDULE 40.
2. PIPES AND FITTINGS SHALL BE PAINTED RED WITH COATING OF RED OXIDE PRIMER.
3. UNDERGROUND PIPES AND FITTINGS SHALL BE COATED WITH BLACK COAL TAR.
4. PIPING SHALL BE SUPPORTED BY CLEVIS HANGER/LOOP HANGER WITH THREADED HANGER ROD FOR EVERY 2-3 METERS.
5. VALVES, WATER FLOW SWITCHES & SPRINKLER HEADS SHALL BE UL LISTED OR FM APPROVED.



1 6TH FLOOR FIRE PROTECTION LAYOUT

FP-04 SCALE:

1:100 MTS



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

THIS DRAWINGS AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

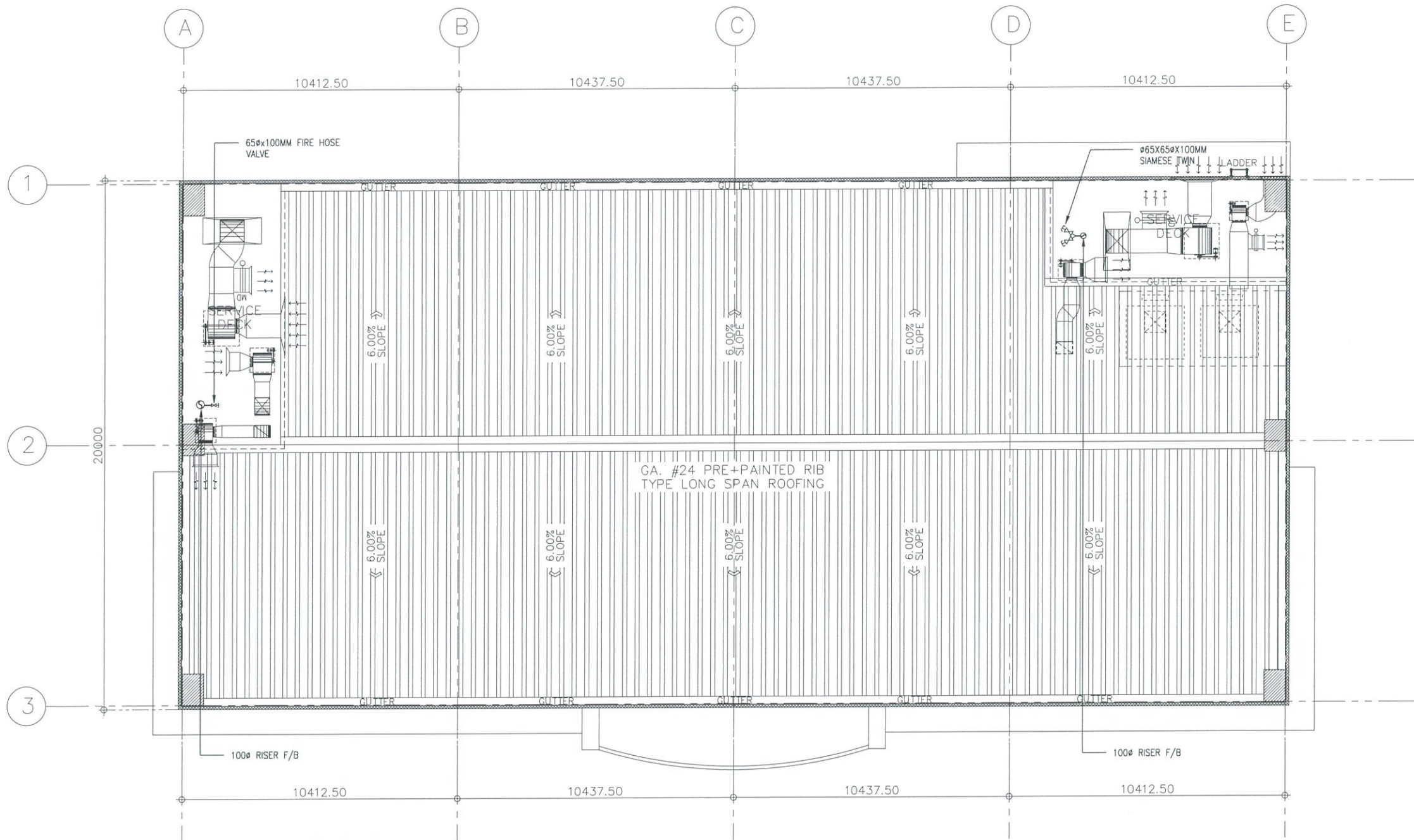
• ROOF DECK FIRE PROTECTION LAYOUT

DRAWING SCALE:

AS SHOWN

SHEET NO:

FP-05



NOTES:

1. ALL PIPES SHALL BE B.I. PIPE SCHEDULE 40.
2. PIPES AND FITTINGS SHALL BE PAINTED RED WITH COATING OF RED OXIDE PRIMER.
3. UNDERGROUND PIPES AND FITTINGS SHALL BE COATED WITH BLACK COAL TAR.
4. PIPING SHALL BE SUPPORTED BY CLEVIS HANGER/LOOP HANGER WITH THREADED HANGER ROD FOR EVERY 2-3 METERS.
5. VALVES, WATER FLOW SWITCHES & SPRINKLER HEADS SHALL BE UL LISTED OR FM APPROVED.



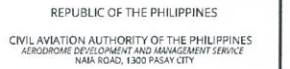
1
FP-05

ROOF DECK FIRE PROTECTION LAYOUT

SCALE:

1:100 MTS

1. ALL PIPES SHALL BE B.I. PIPE SCHEDULE 40.
2. PIPES AND FITTINGS SHALL BE PAINTED RED WITH COATING OF RED OXIDE PRIMER.
3. UNDERGROUND PIPES AND FITTINGS SHALL BE COATED WITH BLACK COAL TAR.
4. PIPING SHALL BE SUPPORTED BY CLEVIS HANGER/LOOP HANGER WITH THREADED HANGER ROD FOR EVERY 2-3 METERS.
5. VALVES, WATER FLOW SWITCHES & SPRINKLER HEADS SHALL BE UL LISTED OR FM APPROVED.


AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY:	IDDD
--------------	--

RAWN BY:	IDDD
----------	------

HECKED BY:	

REVIEWED BY:


RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

T COL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

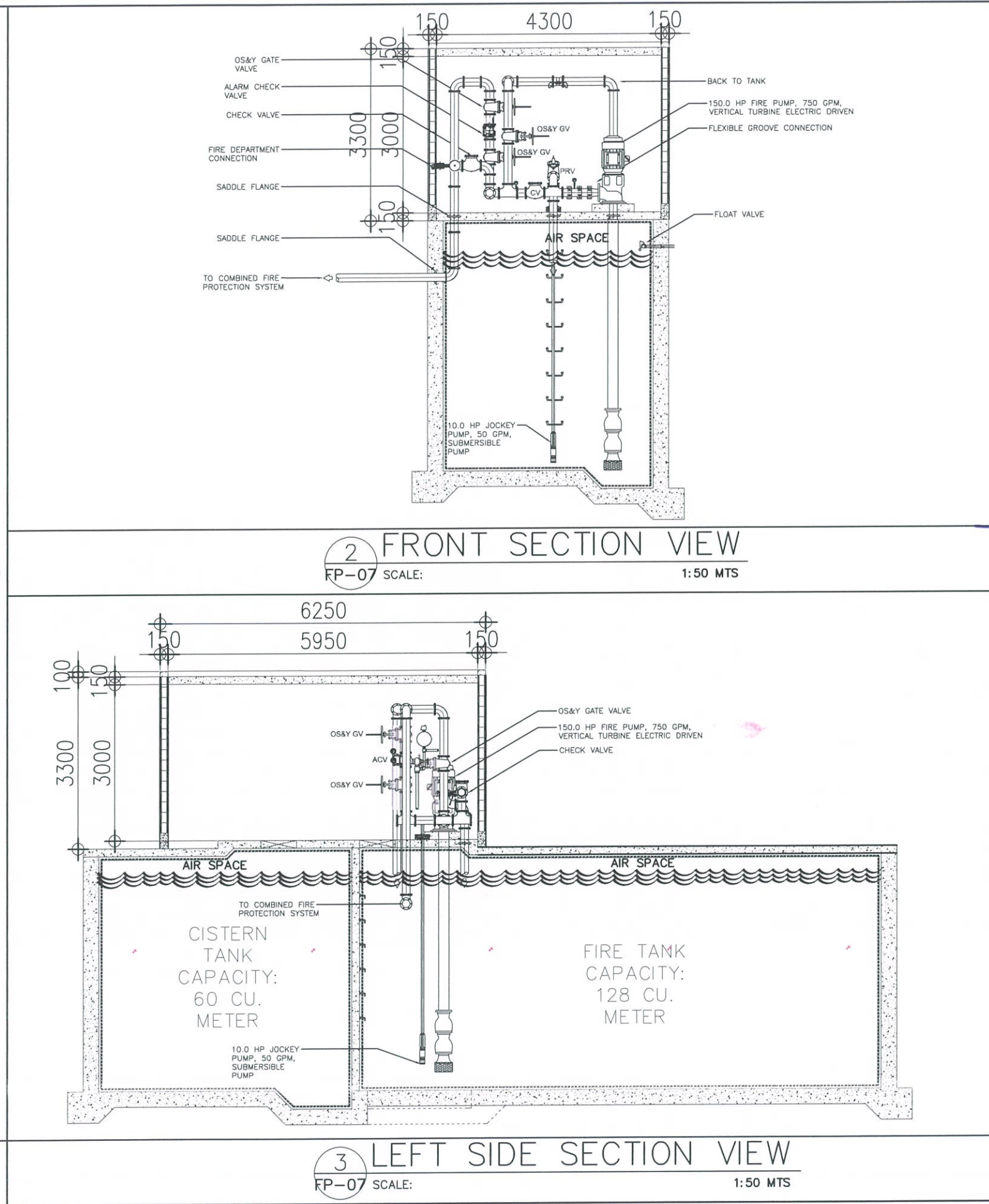
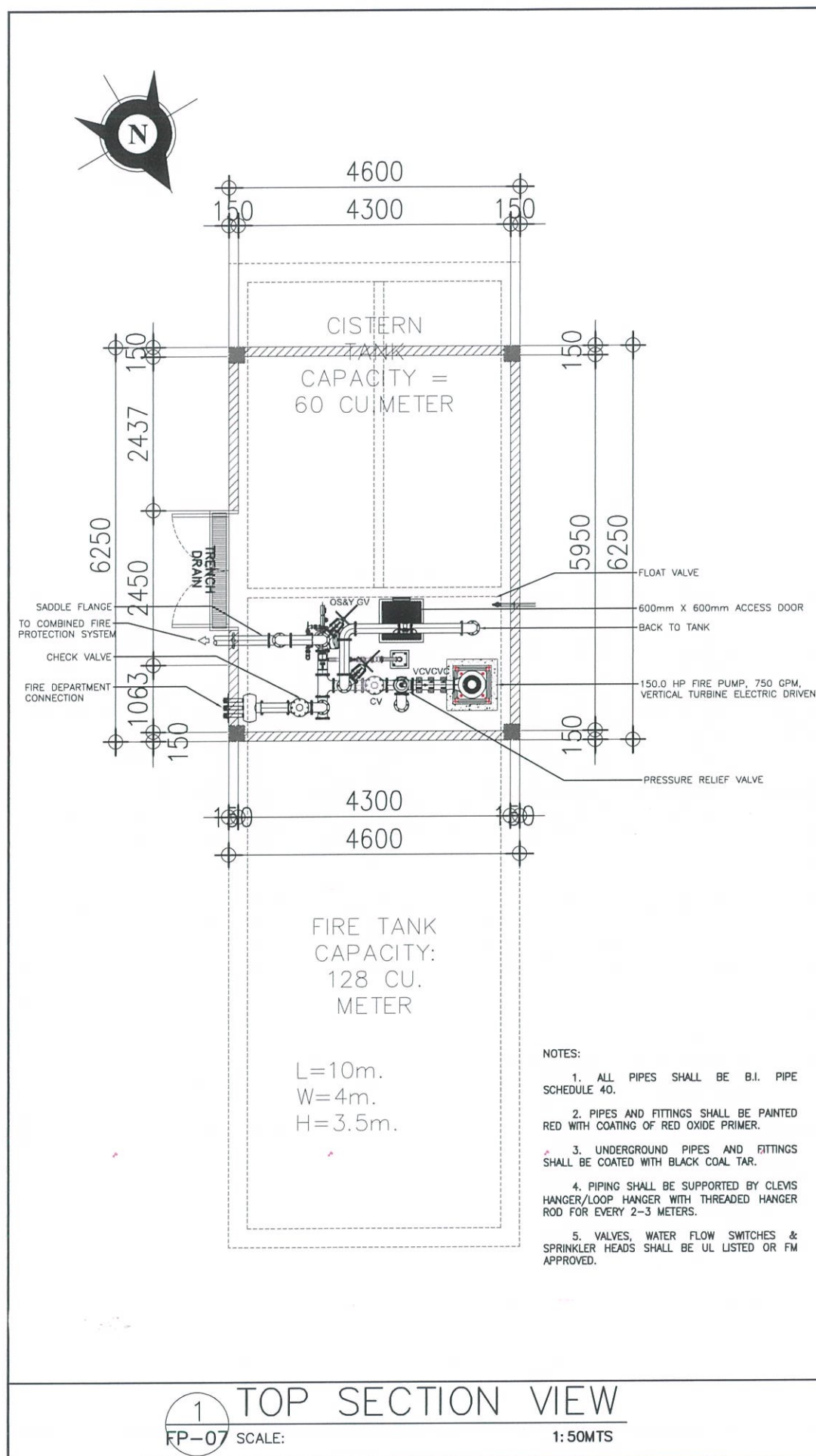
HFET CONTENTS:



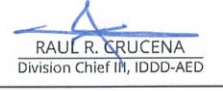



SCHEMATIC RISER DIAGRAM

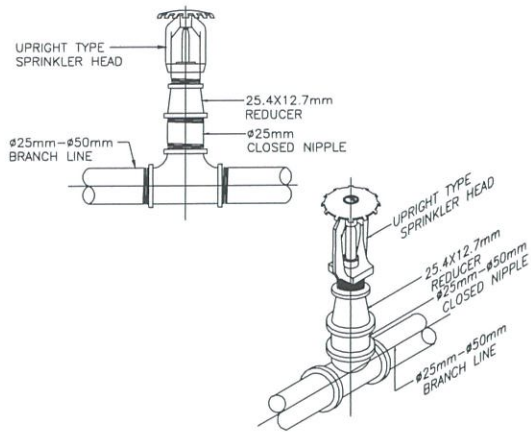
DRAWING SCALE:

AS SHOWN	FP-06
----------	-------

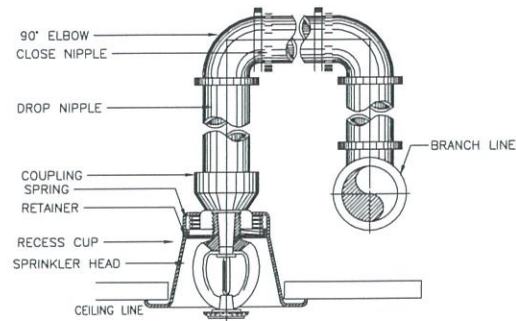
AS SHOWN		
----------	--	--



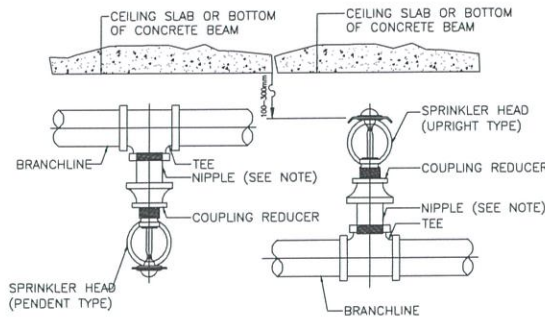
 	
REPUBLIC OF THE PHILIPPINES CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AERODROME DEVELOPMENT AND MANAGEMENT SERVICE NAIA ROAD, PASAY CITY	
THIS DRAWINGS AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.	
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION	
DESIGN STAFF:	INITIAL / DATE
DESIGNED BY:	IDDD
DRAWN BY:	IDDD
CHECKED BY:	
REVIEWED BY:  RAUL R. CRUCENA Division Chief III, IDDD-AED	
SUBMITTED BY:  ARNEL F. BORLADO Department Manager III, AED-ADMS	
RECOMMEND APPROVAL:  LT COL VALENTINO A. DIONELA PAF (RET) Assistant Director General II, ADMS	
APPROVED BY:  CAPTAIN MANUEL ANTONIO L. TAMAYO Director General	
NOTES/REVISIONS: _____ _____ _____	
PROJECT: NEW CAAP BUILDING	
LOCATION: CAAP HEAD OFFICE NAIA ROAD, PASAY CITY	
SHEET CONTENTS: • PUMP ROOM DETAILS	
DRAWING SCALE:	SHEET NO:
AS SHOWN	FP-07



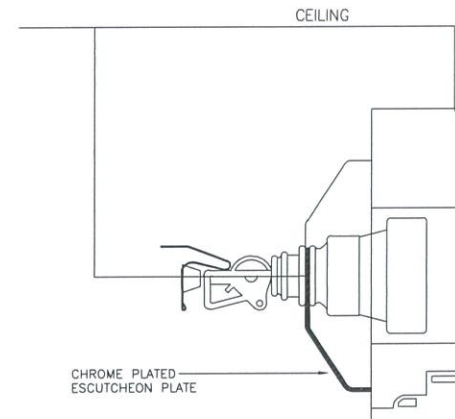
1 UPRIGHT TYPE SPRINKLER DETAIL
SCALE: NTS



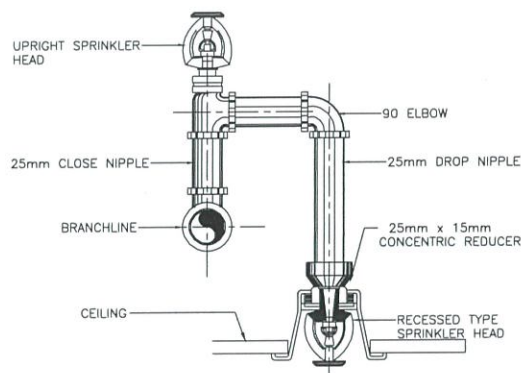
2 PENDENT TYPE SPRINKLER DETAIL
SCALE: NTS



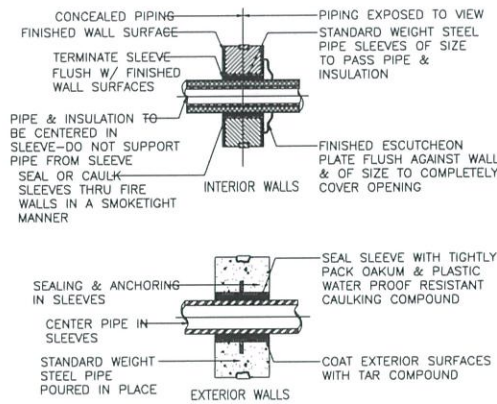
3 BRANCH TO SPRINKLER CONNECTION DETAIL
SCALE: NTS



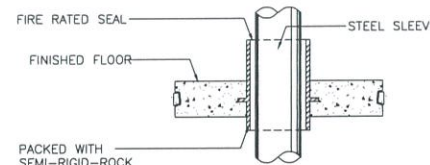
4 SIDEWALL SPRINKLER HEAD DETAIL
SCALE: NTS



5 COMBINED SPRINKLER HEAD DETAIL
SCALE: NTS

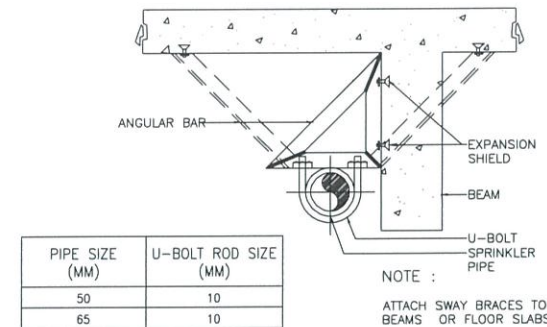


6 PIPE SLEEVE DETAILS
SCALE: NTS



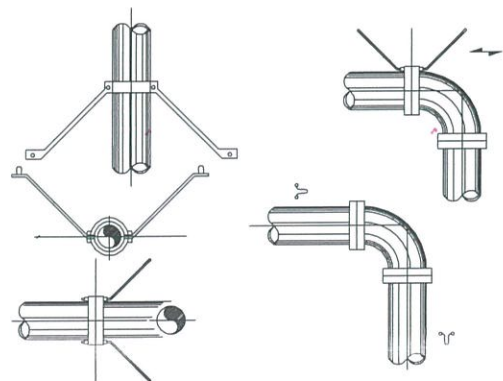
NOMINAL PIPE SIZE mm.		PIPE SLEEVE SIZE-mm.
STD. DIA.	OUTSIDE DIA.	DIAMETER
#15 mm	21.3	#32
#20 mm	26.7	#40
#25 mm	33.4	#50
#32 mm	42.2	#60
#40 mm	48.3	#80
#50 mm	60.3	#100
#65 mm	73.0	#100
#80 mm	88.9	#150
#100 mm	114.3	#150
#125 mm	141.3	#200
#150 mm	168.3	#200

7 PIPE SLEEVE DETAILS
SCALE: NTS

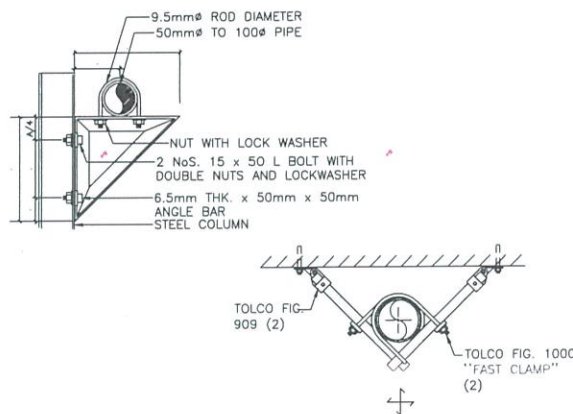


PIPE SIZE (MM)	U-BOLT ROD SIZE (MM)
50	10
65	10
80	10
100	12
125	12
150	16
200	16

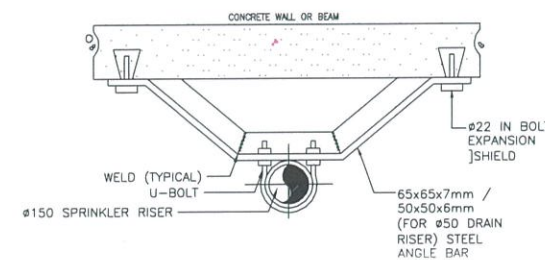
8 SWAY BRACE DETAIL
SCALE: NTS



9 ACCEPTABLE TYPES OF SWAY BRACING
SCALE: NTS

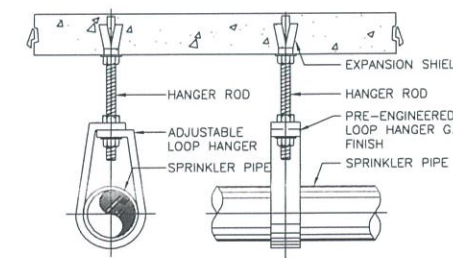


10 ACCEPTABLE TYPES OF PIPE BRACES
SCALE: NTS



11 PIPE RISER BRACKET DETAIL
SCALE: NTS

PIPE SIZE (MM)	ROD SIZE (MM)	SIZE OF STEEL FLAT BAR (MM)	PIPE SIZE (MM)	ROD SIZE (MM)	SIZE OF STEEL FLAT BAR (MM)
15	10	3.2x25	65	12	5x32
20	10	3.2x25	80	12	5x32
25	10	3.2x25	100	16	5x32
32	10	3.2x25	125	16	5x32
40	10	3.2x25	150	20	5x40
50	10	3.2x25	200	22	5x50



12 ADJUSTABLE FLAT IRON HANGER DETAIL
SCALE: NTS

THIS DRAWINGS AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

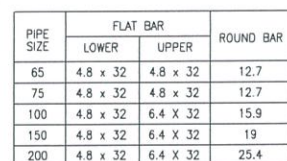
NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
• MISCELLANEOUS DETAILS 1

DRAWING SCALE:	SHEET NO:
AS SHOWN	FP-08



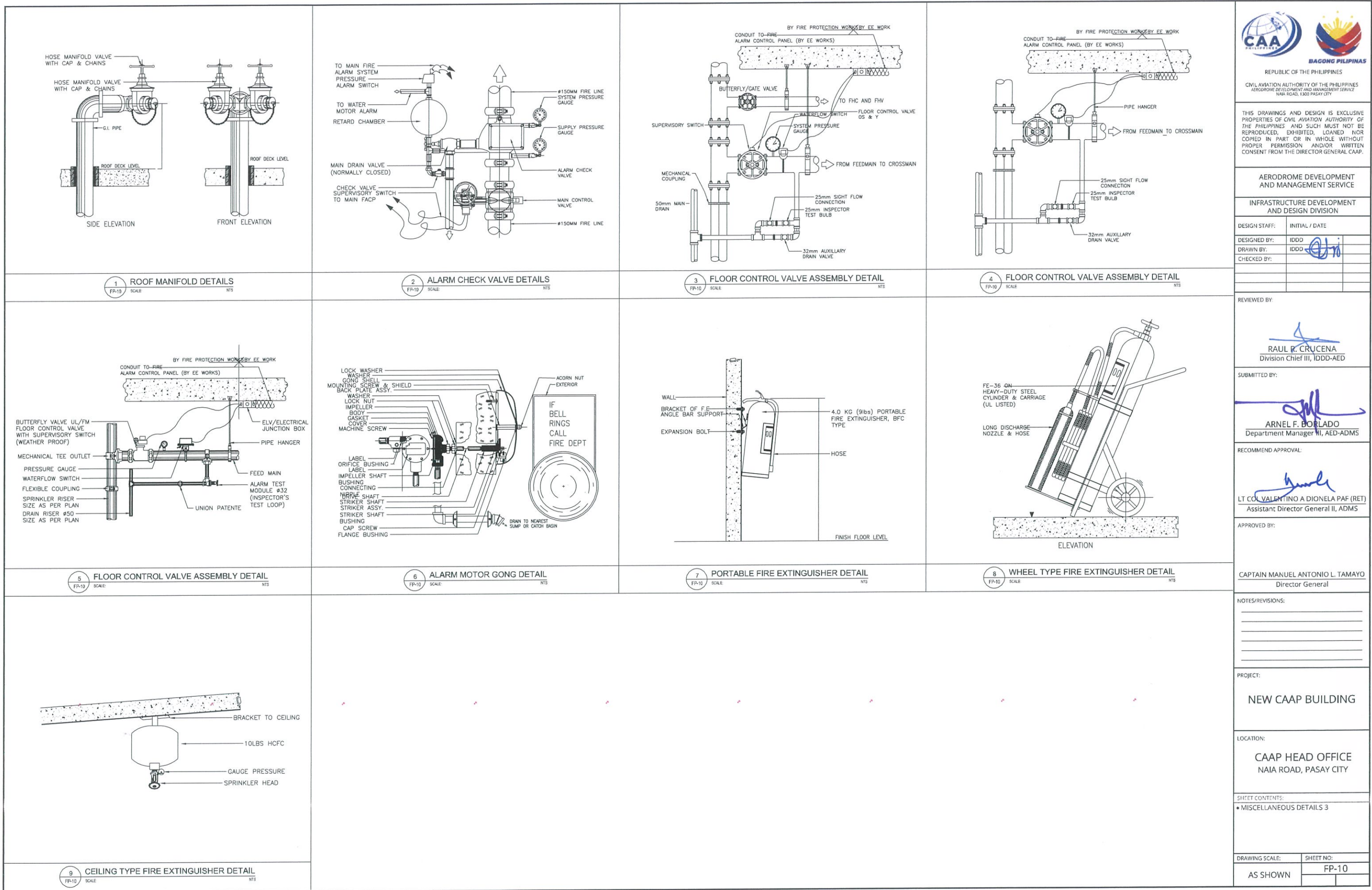
2 ADJUSTABLE CLEVIS PIPE HANGER DETAIL
FP-09 SCALE: NTS

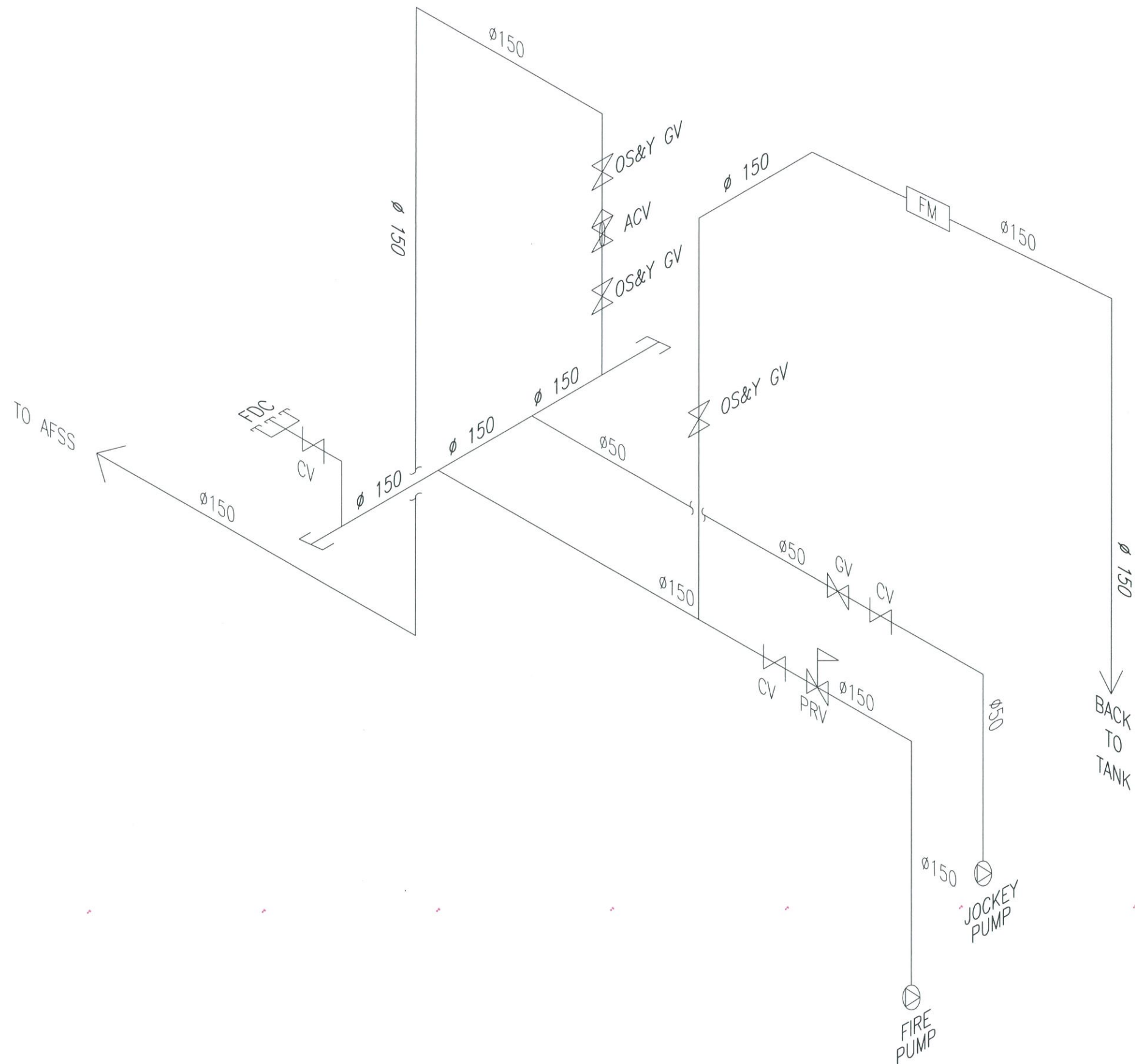


8 SUPERVISORY SWITCH DETAIL
FP-09 SCALE: NTS



FP-09





1 PUMP ROOM PIPING ISOMETRIC DRAWING
 FP-11 SCALE: N.T.S.


THIS DRAWINGS AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE


INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:


 RAUL F. CRUCENA
 Division Chief III, IDDD-AED

SUBMITTED BY:


 ARNEL F. BORLADO
 Department Manager III, AED-ADMS

RECOMMEND APPROVAL:


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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
 Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
 NAIA ROAD, PASAY CITY

SHEET CONTENTS:

• PUMP ROOM PIPING ISOMETRIC DRAWING

DRAWING SCALE:	SHEET NO:
AS SHOWN	FP-11

DRAWING INDEX

SHEET NO.	SHEET CONTENTS
P-01	GENERAL NOTES, DRAWING INDEX, SCHEDULE OF PIPE SLEEVE, ABBREVIATIONS, VICINITY MAP, LEGENDS & SYMBOLS, SCHEDULE OF EQUIPMENT, MATERIAL SPECIFICATIONS, PIPE SIZE CONVERSION TABLE
P-02	SANITARY/PLUMBING SITE DEVELOPMENT PLAN
P-03	GROUND FLOOR – SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE PIPING LAYOUT
P-04	SECOND FLOOR – SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE PIPING LAYOUT
P-05	THIRD–FIFTH FLOOR – SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE PIPING LAYOUT
P-06	SIXTH FLOOR – SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE PIPING LAYOUT
P-07	ROOF PLAN – STORM WATER PIPING LAYOUT
P-08	GROUND FLOOR – WATER SUPPLY PIPING LAYOUT
P-09	SECOND FLOOR – WATER SUPPLY PIPING LAYOUT
P-10	THIRD–SIXTH FLOOR – WATER SUPPLY PIPING LAYOUT
P-11	GROUND FLOOR, SECOND TO SIXTH FLOOR ISOMETRY (SOIL, WASTE, AND VENT)– KITCHEN AREA, COMMON TOILET AND T&B PIPING LAYOUT
P-12	GROUND FLOOR, SECOND TO SIXTH FLOOR ISOMETRY (WATER SUPPLY)– KITCHEN AREA, COMMON TOILET AND T&B PIPING LAYOUT
P-13	SOIL, WASTE VENT, STORMWATER, AND CONDENSATE PIPING LAYOUT– SCHEMATIC DIAGRAM
P-14	COLD WATERLINE PIPING LAYOUT – SCHEMATIC DIAGRAM
P-15	CISTERN TANK PIPING LAYOUT
P-16	POWER CENTER AND PUMP ROOM STORMWATER PIPING LAYOUT
P-17	SEPTIC TANK DETAILS
P-18	MISCELLANEOUS DETAILS

MATERIAL SPECIFICATIONS:

- WATER LINES**

FROM WATER MAIN TO CISTERN WATER TANKS SHALL BE GALVANIZED STEEL PIPE, SEAMLESS, SCHEDULE 40, CONFORMING TO ASTM A-53. FITTINGS SHALL BE MALLEABLE IRON, CLASS 150. JOINTING SHALL BE SCREWED FOR 65 MM AND BELOW, FLANGED FOR 80 MM AND ABOVE. BASIS OF DESIGN SUPREME BRAND.

FROM CONSTANT PRESSURE PUMPS DISCHARGE TO PUMP ROOM POINT OF EXIT SHALL BE GALVANIZED STEEL PIPE, SEAMLESS, SCHEDULE 40, CONFORMING TO ASTM A-53. FITTINGS SHALL BE MALLEABLE IRON, CLASS 150. JOINTING SHALL BE SCREWED FOR 65 MM AND BELOW, FLANGED FOR 80 MM AND ABOVE.

FROM PUMP ROOM POINT OF EXIT TO RESIDENTIAL UNITS SHALL BE POLYPROPYLENE (PP-R) PIPE AND FITTINGS, PN20 MINIMUM RATING. JOINTING SHALL BE BY SOCKET FUSION. BASIS OF DESIGN FUSIOTHERM KELEN BRAND. POINT OF ORIGIN EUROPE.

FOR GRAVITY WATER RISERS TO WATER METERS SHALL BE POLYPROPYLENE (PP-R) PIPE AND FITTINGS, PN20 MINIMUM RATING. JOINTING SHALL BE BY SOCKET FUSION. BASIS OF DESIGN FUSIOTHERM KELEN BRAND.
- SANITARY LINES**

STACKS, BRANCH AND COLLECTOR LINES SHALL BE uPVC PIPE AND FITTINGS, HIGH IMPACT SERIES 1000, CONFORMING TO ASTM D2729. JOINTING SHALL BE SOLVENT CEMENT, CONFORMING TO ASTM D2564. BASIS OF DESIGN ATLANTA BRAND.
- VENT LINES**

STACKS AND BRANCH VENTS SHALL BE PVC PIPE AND FITTINGS, SERIES 1000, CONFORMING TO ASTM D2729. JOINTING SHALL BE SOLVENT CEMENT, CONFORMING TO ASTM D2564. BASIS OF DESIGN NELTEX BRAND.
- CONDENSATE WASTE LINES**

STACKS AND BRANCH LINES SHALL BE PVC PIPE AND FITTINGS, SERIES 1000, CONFORMING TO ASTM D2729. JOINTING SHALL BE BY SOLVENT CEMENT, CONFORMING TO ASTM D2564. BASIS OF DESIGN NELTEX BRAND.

AIRCON UNIT DRAIN LINES SHALL BE PVC BLUE, CLASS 150.
- DOWNSPOUTS**

SHALL BE uPVC PIPE AND FITTINGS, HIGH IMPACT SERIES 1000, CONFORMING TO ASTM D2729. JOINTING SHALL BE SOLVENT CEMENT, CONFORMING TO ASTM D2564. BASIS OF DESIGN ATLANTA BRAND.
- WATER METER**

BASIS OF DESIGN ARAD BRAND
- GATE VALVES**

BASIS OF DESIGN KITZ BRAND, CLASS 150, RISING STEM AND OS&Y. BRONZE GV FOR 50 MM AND BELOW, DUCTILE IRON GV FOR 65 MM AND ABOVE.
- DRAIN**

BASIS OF DESIGN JPI BRAND

GENERAL NOTES:

- ALL PLUMBING WORKS INCLUDED HEREIN SHALL BE EXECUTED ACCORDING TO THE REQUIREMENTS OF THE PHILIPPINE PLUMBING CODE AND THE RULES AND REGULATIONS OF THE GOVERNMENT.
- COORDINATES THE DRAWING WITH OTHER RELATED DRAWINGS AND SPECIFICATIONS. ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY FOUND THEREIN.
- PIPE SHALL BE WITH PRIOR FOR APPROVAL OF THE ARCHITECT AND ENGINEER
- PROPOSED SANITARY UTILITIES SHALL CONFORM THE ACTUAL LOCATION DEPTH AND INVERT ELEVATION OF ALL EXISTING PIPES STRUCTURE.
- ALL SLOPES FOR HORIZONTAL BRANCHES (SEWER) SHALL MAINTAIN 1% AS MINIMUM UNLESS NOTED OTHERWISE.
- ALL FIXTURE SHALL BE VENTED, UNLESS OTHERWISE INDICATED.
- ALL VERTICAL PIPES SUCH AS SOIL STACK, MAIN VENT, AHU/FCU STACK, DOWNSPOUT SHALL BE uPVC PIPE HIGH IMPACT SERIES 1000.
- ALL HORIZONTAL PIPES ALONG TRANSITION LEVEL SUCH AS SOIL PIPE, VENT PIPE, AHU/FCU PIPE & STORM DRAIN COLLECTOR PIPE SHALL BE uPVC HIGH IMPACT SERIES 1000.
- ALL PIPES PASSING THRU EE ROOM, TRANSFORMER ROOM GENSET & EMB SUCH AS SOIL PIPE, VENT PIPE, AHU/FCU PIPE & STORM DRAIN COLLECTOR PIPE SHALL BE C.I. (CAST IRON HUBLESS) PIPE. ALL HORIZONTAL PIPE SUCH AS SOIL BRANCH PIPE, CIRCUIT VENT, AHU/FCU BRANCH PIPE & STORM DRAIN COLLECTOR PIPE SHALL BE uPVC PIPE HIGH IMPACT SERIES 1000.
- ALL WATER LINES PIPES 110ØMM AND BELOW SHALL BE POLYPROPYLENE-RANDOM (PP-R) PIPE, PN-20.
- ALL WATER LINES PIPES 150ØMM AND ABOVE SHALL BE GALVANIZED IRON (G.I.) PIPE SCHEDULE 40.
- ALL AHU/FCU DRAIN PROVIDE INSULATION 19MM (3/4") THK RUBBER TYPE.
- ALL SOIL PIPE, VENT PIPE, AHU/FCU DRAIN, STORM DRAIN AND WATER SUPPLY PIPE PROVIDE PIPE HANGER EVERY 1.5 METERS.
- HEAD ROOM REQUIRED BY THE ARCHITECT MUST COMPLY BY THE CONTRACTOR. AND ALL WASTE LINE THAT PASSING THRU BEAM SHOULD BE PROVIDED BY PIPE SLEEVE.

ABBREVIATIONS

CCO	CEILING CLEAN-OUT	FCO	FLOOR CLEAN-OUT	PP	PERFORATED PIPE
CWL	COLD WATER LINE	FV	FLOAT VALVE	RED	REDUCER
CDP	CONDENSATE DRAIN PIPE	GCO	GROUND CLEAN-OUT	SP	SOIL PIPE
CDS	CONDENSATE DRAIN STACK	GV	GATE VALVE	SS	SOIL STACK
CV	CHECK VALVE	GT	GREASE TRAP	SH	SHOWER HEAD
CPP	CONSTANT PRESSURE PUMP	GD	GUTTER DRAIN	SD	SHOWER DRAIN
CB	CATCH BASIN	H/L	HIGH LEVEL	T/A	TO ABOVE
DS	DOWNSPOUT	HB	HOSE BIBB	T/B	TO BELOW
DP	DRAINAGE PIPE	HWL	HOT WATER LINE	U/S	UNDER SLAB
DN	DOWN	KS	KITCHEN SINK	VAC	VENT ACROSS CEILING
EWI	ELECTRIC WATER HEATER	KWP	KITCHEN WASTE PIPE	VP	VENT PIPE
F/A	FROM ABOVE	LAV	LAVATORY	VS	VENT STACK
F/B	FROM BELOW	MH	MANHOLE	VSTR	VENT STACK THRU ROOF
FD	FLOOR DRAIN	PBD	PLANTER BOX DRAIN	WC	WATER CLOSET
FC	FLEXIBLE COUPLING	PG	PRESSURE GAUGE	WM	WATER METER

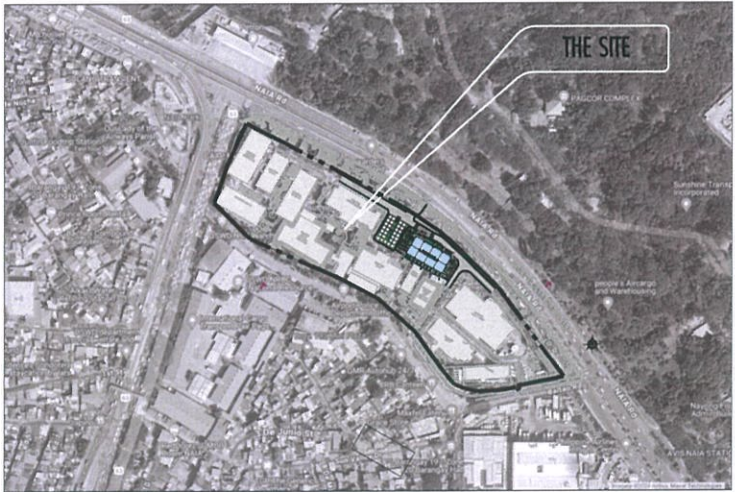
SCHEDULE OF EQUIPMENT

POTABLE WATER SUPPLY

MARK NO.	TYPE	QTY.	LOCATION	SERVICE	TYPE	OPERATION	FLOWRATE	TDH	MOTOR				REMARKS
							GPM		HP	VOLT	PHASE	HERTZ	
CPP 01	DUPLEX	1 SET (2 UNITS)	GROUND FLOOR	CONSTANT PRESSURE PUMP	HORIZONTAL END – SUCTION CENTRIFUGAL PUMP	DUTY	125	190	10	400	3	60	COMPLETE W/ ALL ACCESSORIES
CPP 02			GROUND FLOOR	CONSTANT PRESSURE PUMP	HORIZONTAL END – SUCTION CENTRIFUGAL PUMP	STAND-BY	125	190	10	400	3	60	COMPLETE W/ ALL ACCESSORIES
ESP 01	SIMPLEX	1 UNIT	ELEVATOR PIT	ELEVATOR SUMP PUMP	SUBMERSSIBLE NON-CLOG	DUTY	50	21.07	1	230	1	60	COMPLETE W/ ALL ACCESSORIES
SP 01	SIMPLEX	2 UNITS	SEPTIC TANK	SEWAGE SUBMERSIBLE PUMP	SUBMERSSIBLE NON-CLOG	DUTY	100	50	1	230	1	60	COMPLETE W/ ALL ACCESSORIES

SCHEDULE OF PIPE DIAMETER EQUIVALENT TO PPRC / HDPE:

CONVERSION FROM MM TO INCH. (PIPE SIZES SHALL BE INSIDE DIA.)			
MM	INCHES	REMARKS	PPRC/HDPE
12	1/2"	WATER	20mm
18	3/4"	WATER	25
25	1"	WATER	32
31	1-1/4"	WATER	40
38	1-1/2"	WATER	50
50	2"	WATER, SEWER	63
62	2-1/2"	WATER, SEWER	75
75	3"	WATER, SEWER	90
100	4"	DRAINAGE, WATER, SEWER	110
150	6"	DRAINAGE, WATER, SEWER	—
200	8"	DRAINAGE	—
250	10"	DRAINAGE	—
300	12"	DRAINAGE	—
450	18"	DRAINAGE	—
600	24"	DRAINAGE	—



SCHEDULE OF PIPE SLEEVE

NOMINAL SIZE											
PIPE SIZE	25	32	40	50	65	80	100	150	200		
SLEEVE SIZE	30	50	65	100	125	125	200	250	300		



THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: IDDD

DRAWN BY: IDDD

CHECKED BY:

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

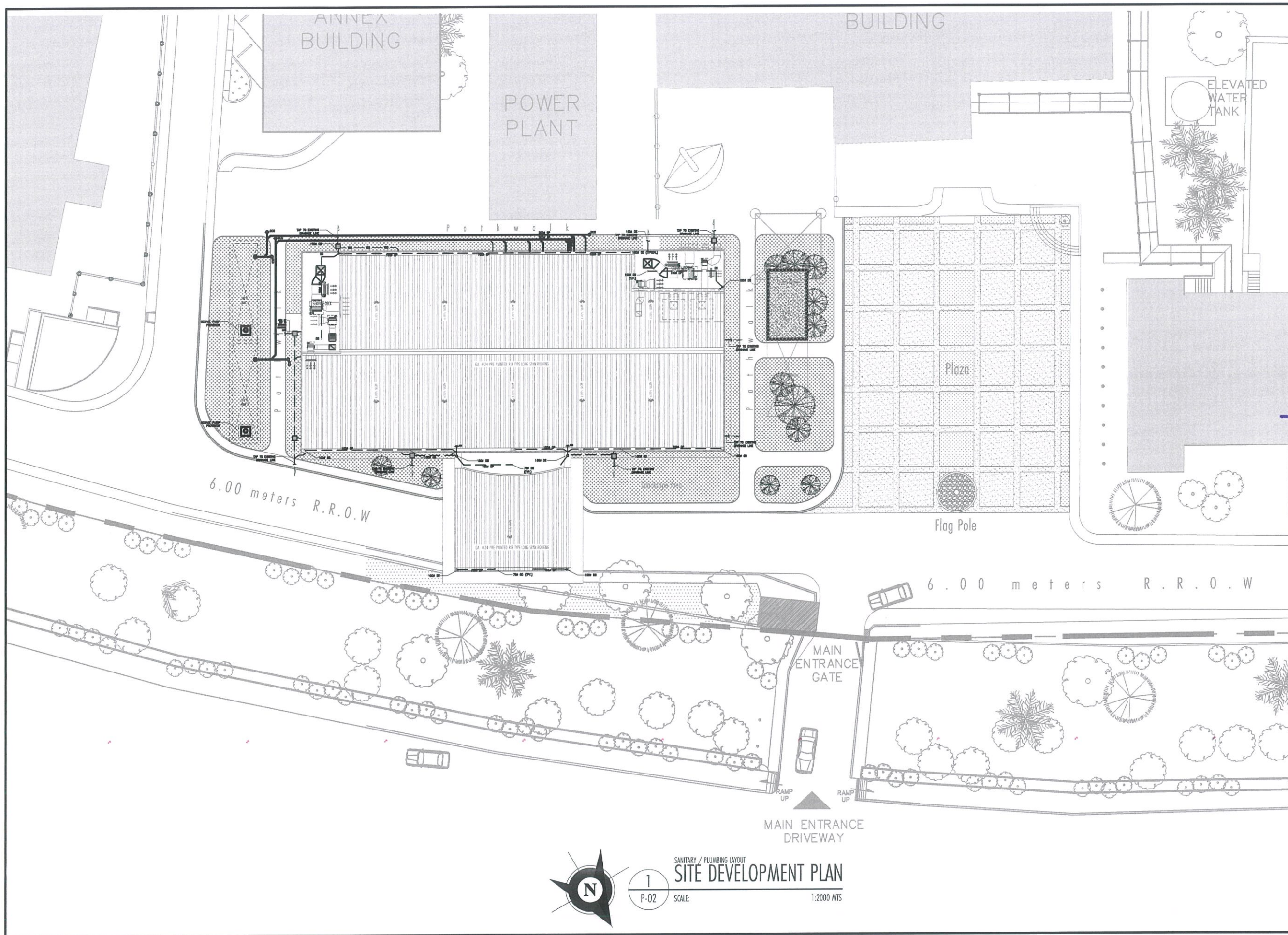
- GENERAL NOTES, DRAWING INDEX, MATERIAL SPECIFICATIONS, SCHEDULE OF EQUIPMENT

DRAWING SCALE:

AS SHOWN

SHEET NO:

P-01



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

THIS DRAWING AND DESIGN IS EXCLUSIVE
PROPERTY OF CIVIL AVIATION AUTHORITY OF
THE PHILIPPINES AND SUCH MUST NOT BE
REPRODUCED, EXHIBITED, LOANED NOR
COPIED IN PART OR IN WHOLE WITHOUT
PROPER PERMISSION AND/OR WRITTEN
CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

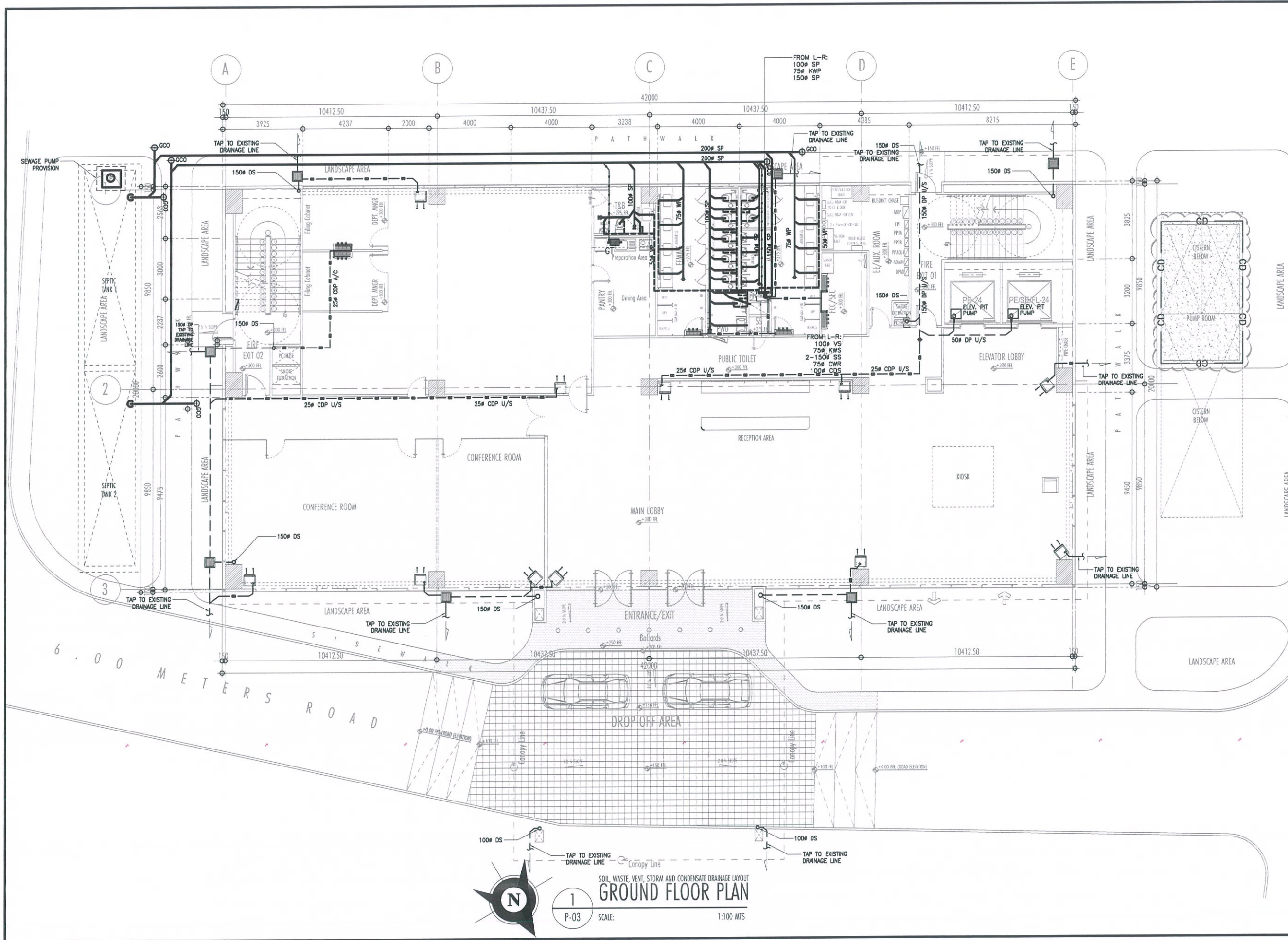
NOTES/REVISIONS:



PROJECT:
NEW CAAP BUILDING

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
• SANITARY / PLUMBING SITE
DEVELOPMENT PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	P-02





REPUBLIC OF THE PHILIPPINES

CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, PASAY CITY

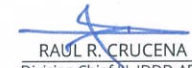
THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTY OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE


INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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


REVIEWED BY:


RAUL R. CRUCENA
Division Chief III, IDDD-AED


SUBMITTED BY:


ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:


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

APPROVED BY:


CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

- SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE LAYOUT - GROUND FLOOR PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	P-03


THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION


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

REVIEWED BY:



 RAUL R. CRUCENA
 Division Chief III, IDDD-AED

SUBMITTED BY:




 ARNEL F. BORLADO
 Department Manager III, AED-ADMS

RECOMMEND APPROVAL:



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

APPROVED BY:



 CAPTAIN MANUEL ANTONIO L. TAMAYO
 Director General

NOTES/REVISIONS:

PROJECT:

NEW-CAAP BUILDING

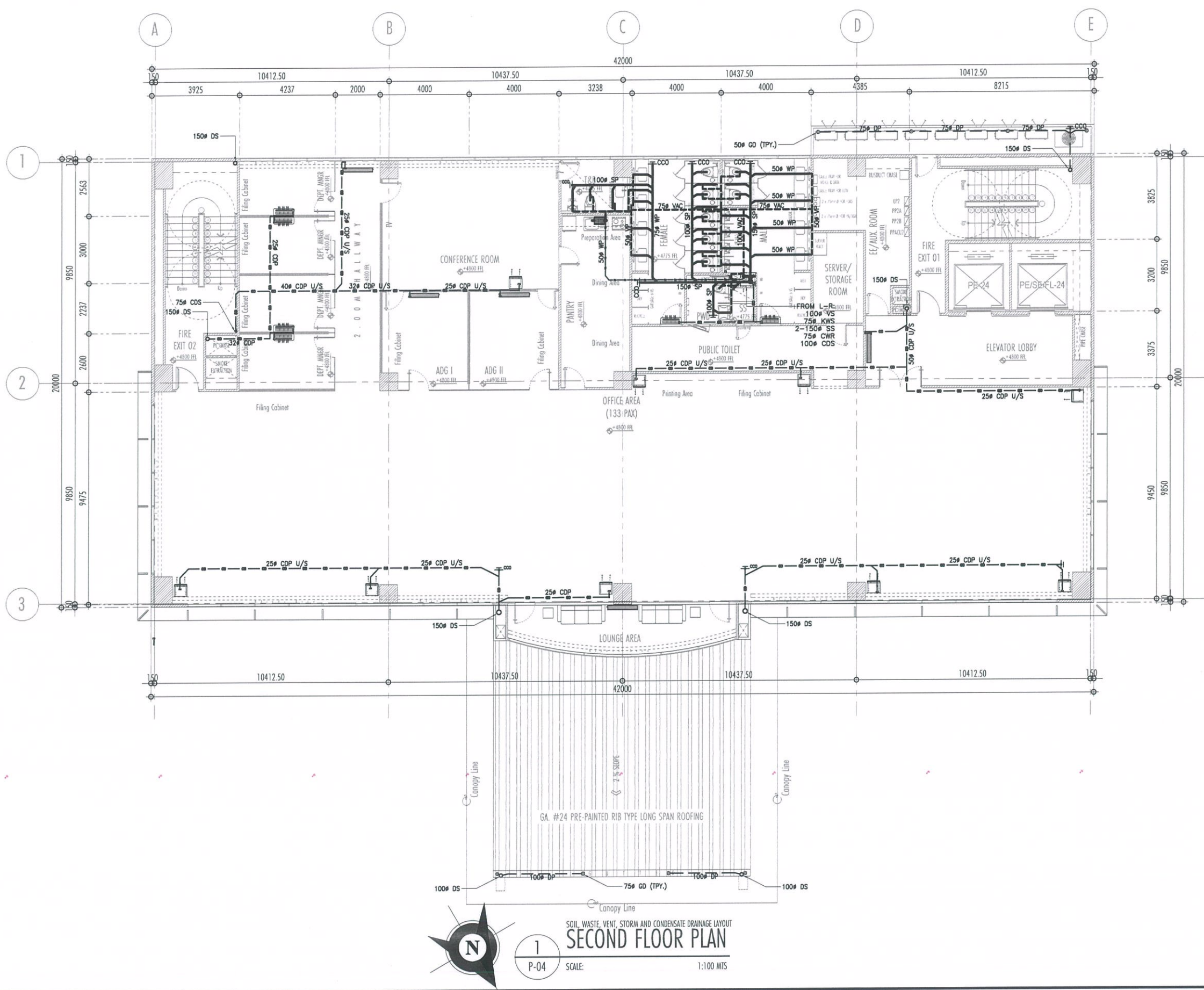
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

- SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE LAYOUT - SECOND FLOOR PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	P-04




THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION


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

REVIEWED BY:



 RAUL R. CRUCENA
 Division Chief III, IDDD-AED

SUBMITTED BY:




 ARNEL F. BORLADO
 Department Manager III, AED-ADMS

RECOMMEND APPROVAL:



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

APPROVED BY:



 CAPTAIN MANUEL ANTONIO L. TAMAYO
 Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

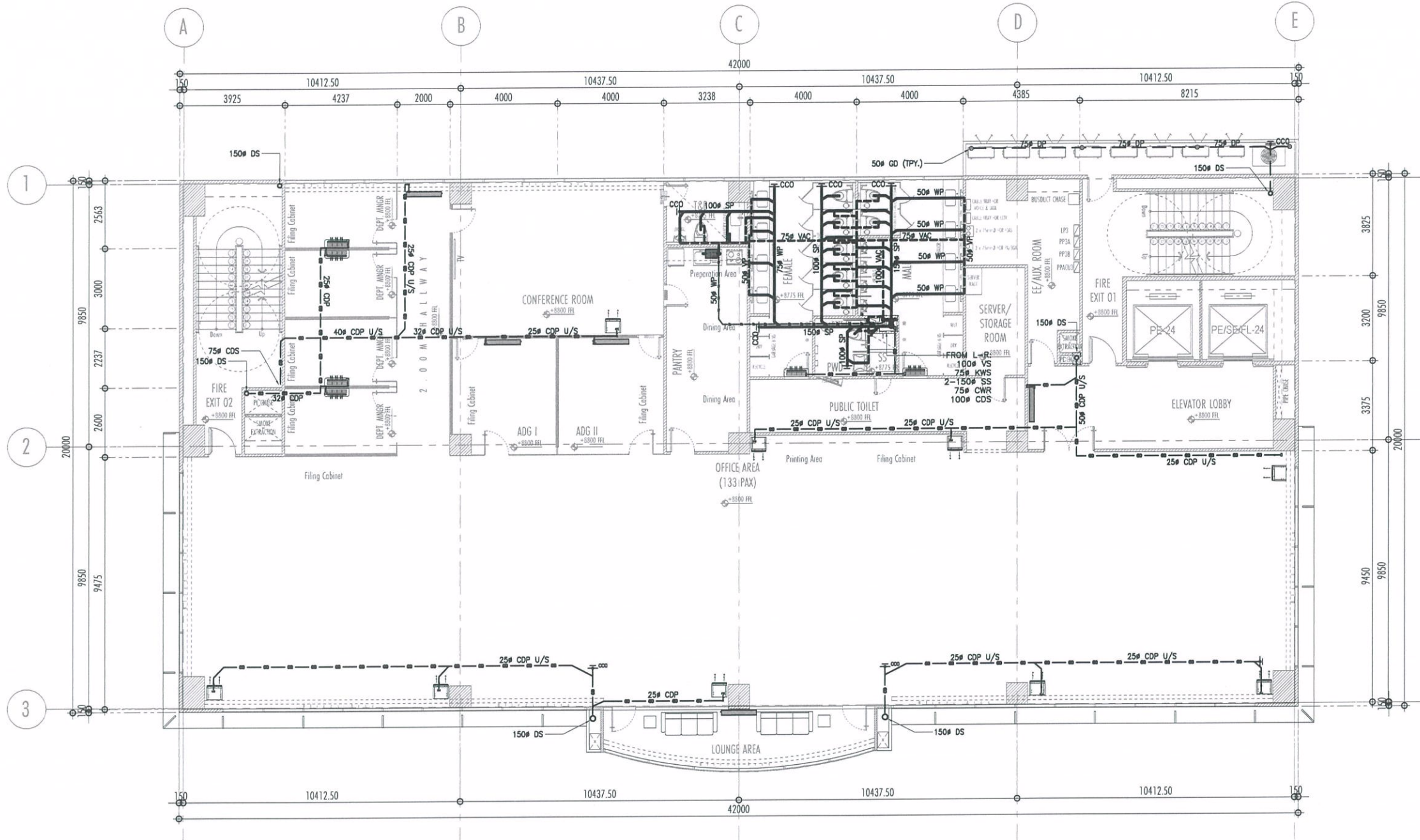
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

- SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE LAYOUT - THIRD - FIFTH FLOOR PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	P-05



THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:


 RAUL R. CRUCENA
 Division Chief II, IDDD-AED

SUBMITTED BY:


 ARNEL F. BORLADO
 Department Manager III, AED-ADMS

RECOMMEND APPROVAL:


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

APPROVED BY:


 CAPTAIN MANUEL ANTONIO L. TAMAYO
 Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

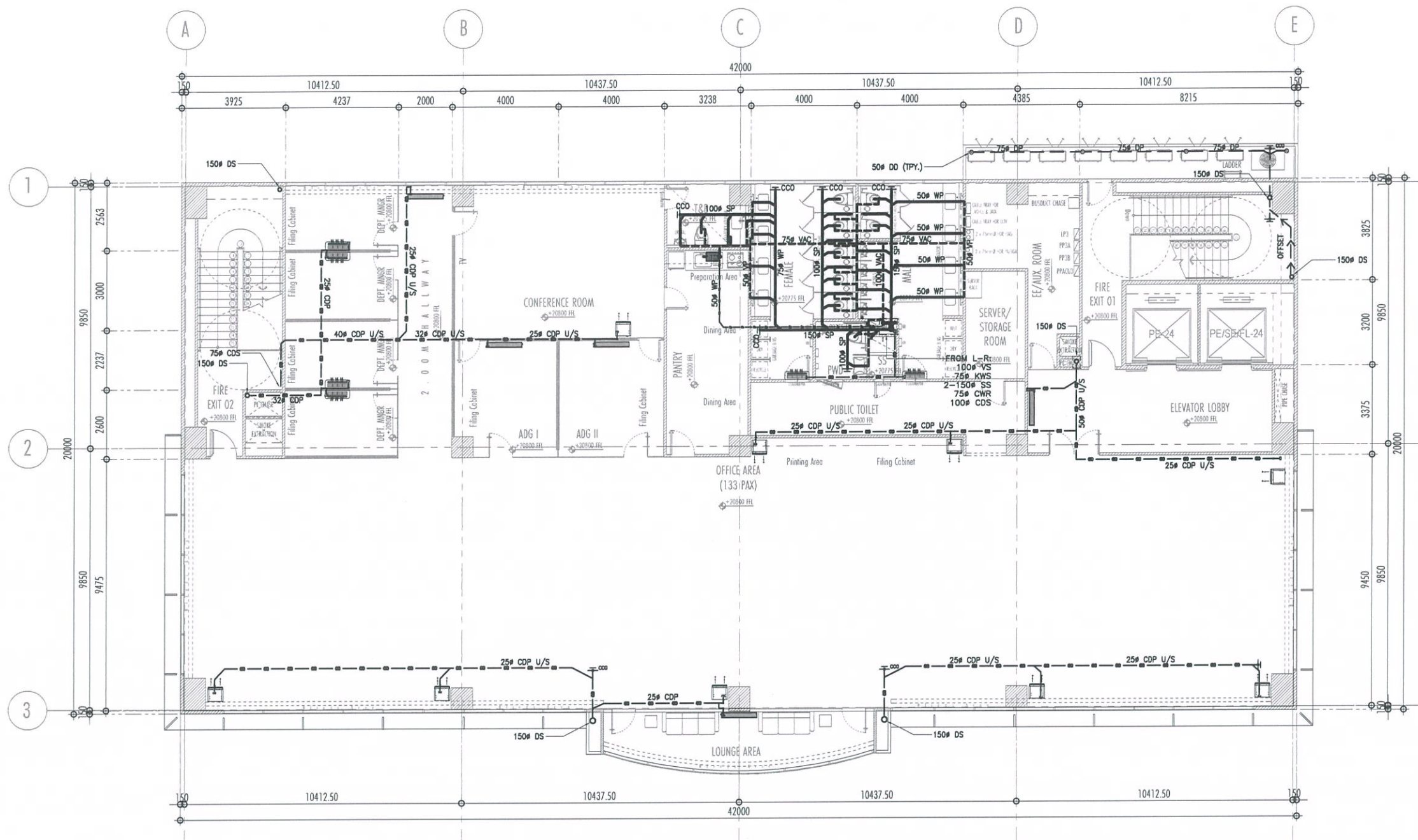
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

• SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE LAYOUT - SIXTH FLOOR PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	P-06



1
P-06

SOIL, WASTE, VENT, STORM AND CONDENSATE DRAINAGE LAYOUT
SIXTH FLOOR PLAN
SCALE: 1:100 MTS



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

THIS DRAWING AND DESIGN IS EXCLUSIVE
PROPERTIES OF CIVIL AVIATION AUTHORITY OF
THE PHILIPPINES AND SUCH MUST NOT BE
REPRODUCED, EXHIBITED, LOANED NOR
COPIED IN PART OR IN WHOLE WITHOUT
PROPER PERMISSION AND/OR WRITTEN
CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

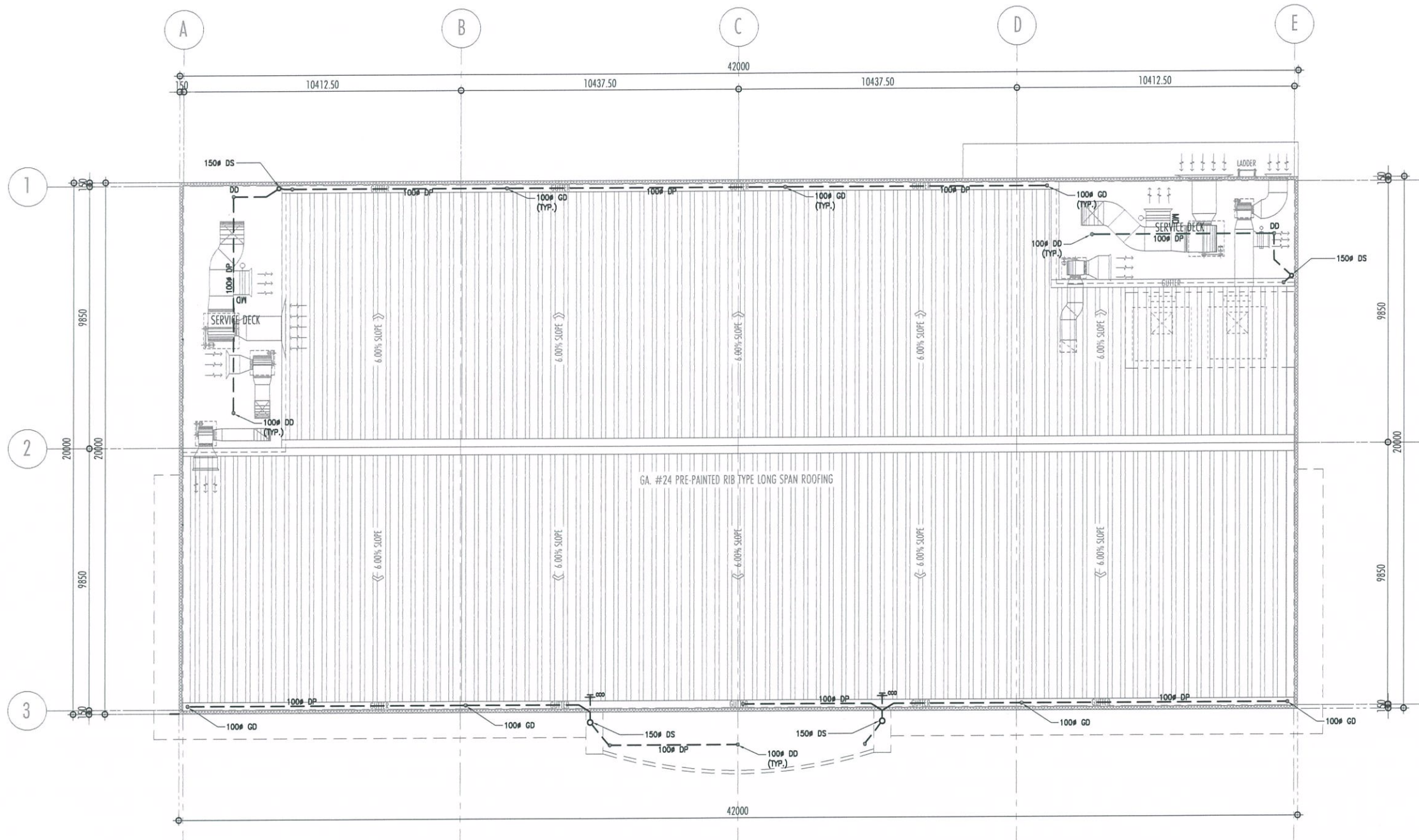
NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
• STORM DRAIN LAYOUT - ROOF
DECK PLAN

DRAWING SCALE:	SHEET NO:
AS SHOWN	P-07



1
P-07
SCALE: 1:100 MTS
STORM DRAIN LAYOUT
ROOF DECK PLAN

THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

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

RECOMMEND APPROVAL:
LT COL VALENTINO A DIONELA PAF (RET)
Assistant Director General II, ADMS

APPROVED BY:
CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

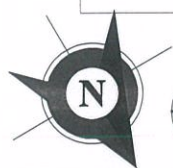
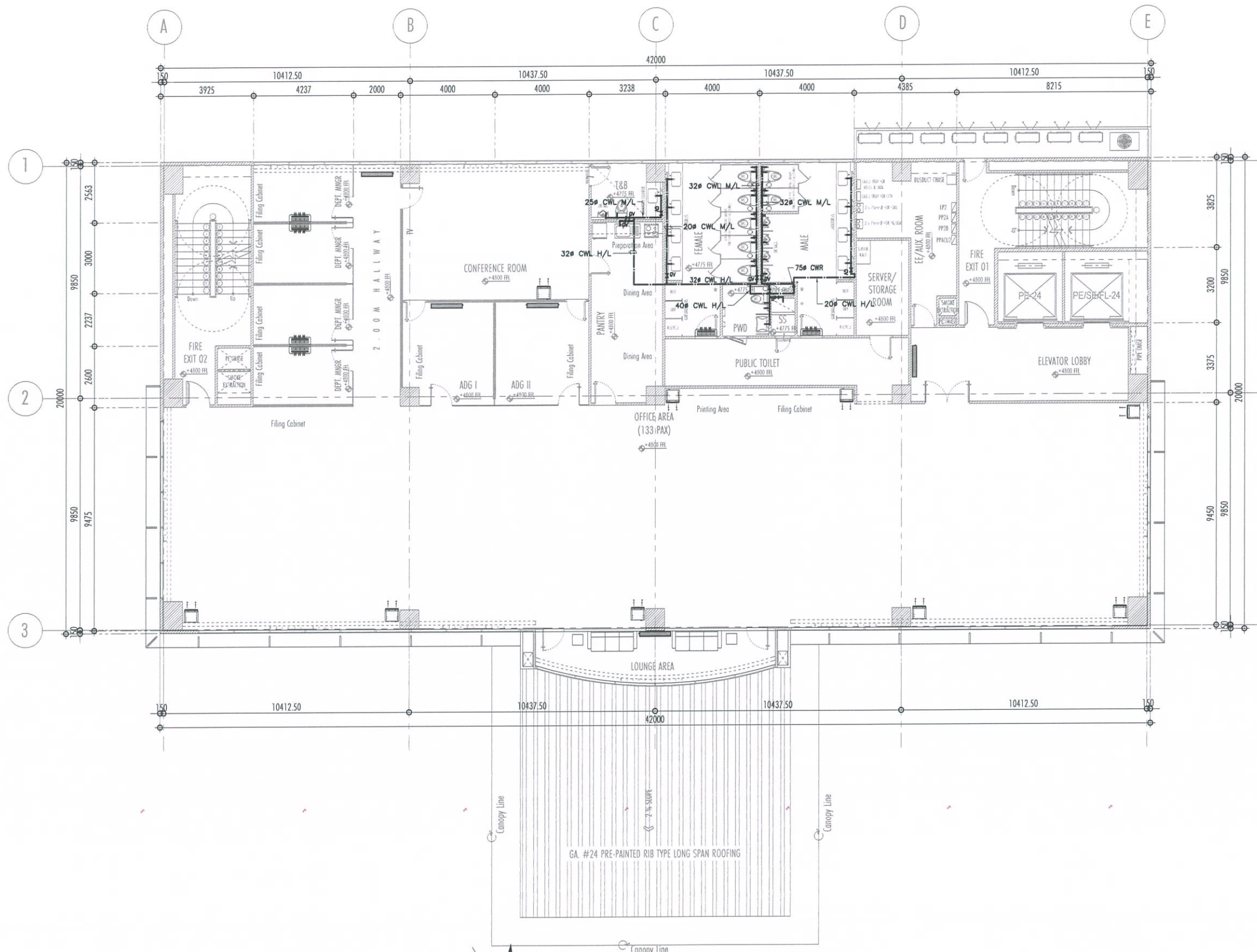
NOTES/REVISIONS:

PROJECT:
NEW CAAP BUILDING

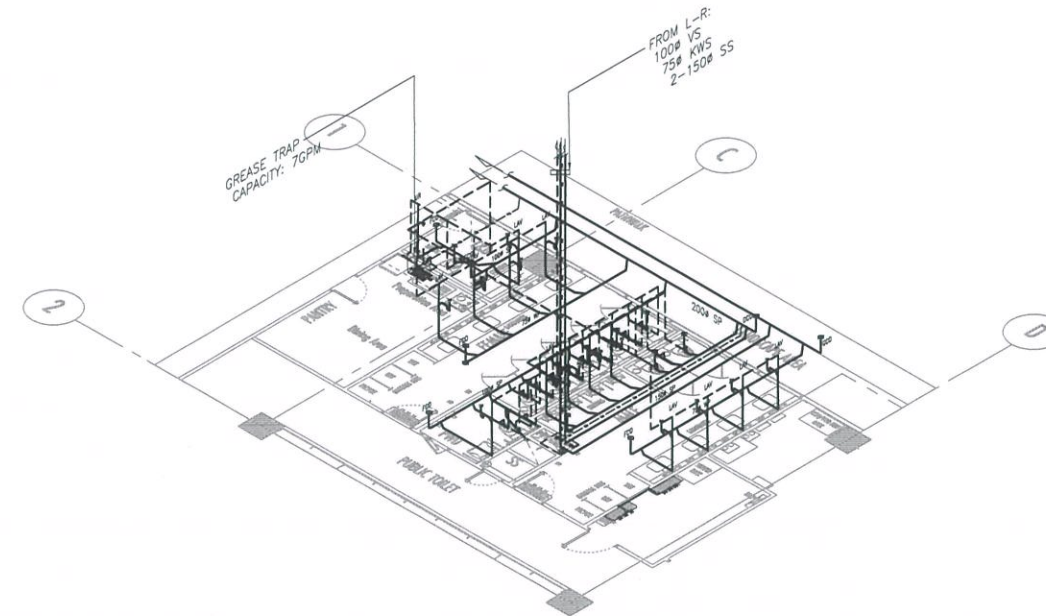
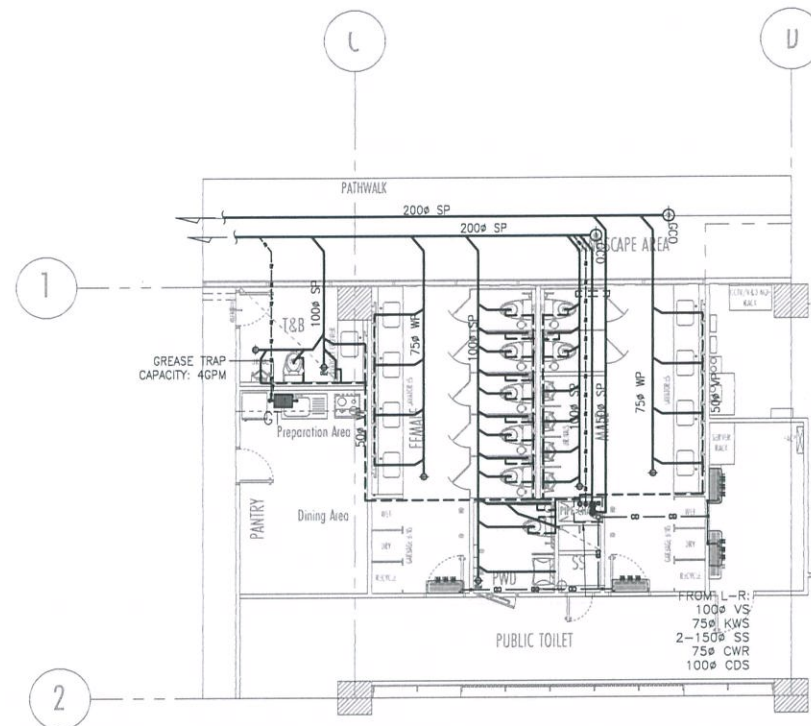
LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
• WATER SUPPLY LAYOUT - SECOND FLOOR PLAN

DRAWING SCALE: AS SHOWN
SHEET NO: P-09



1
P-09
SCALE: 1:100 MTS
WATER SUPPLY LAYOUT
SECOND FLOOR PLAN



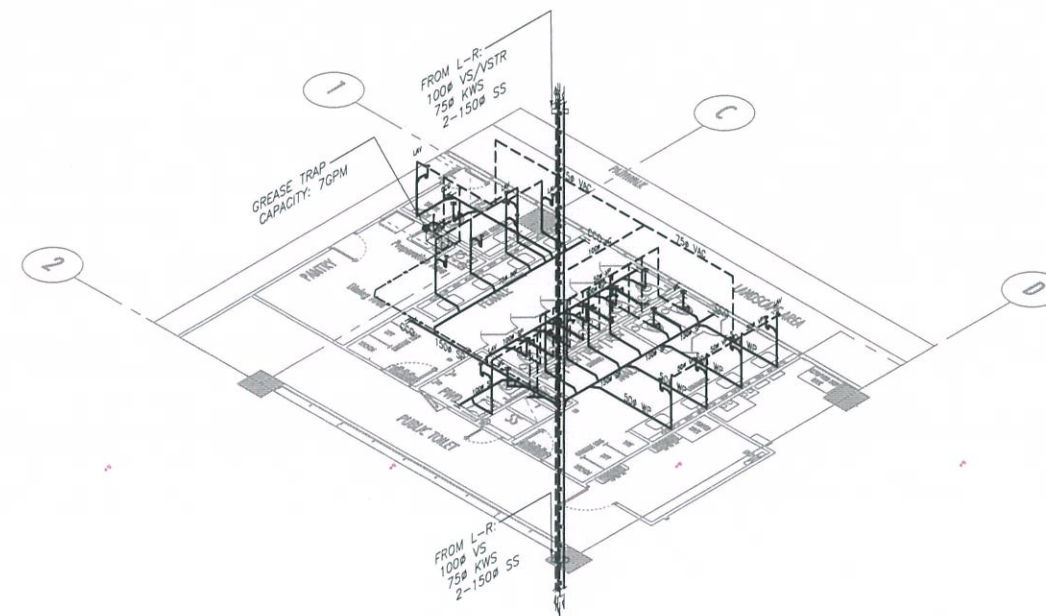
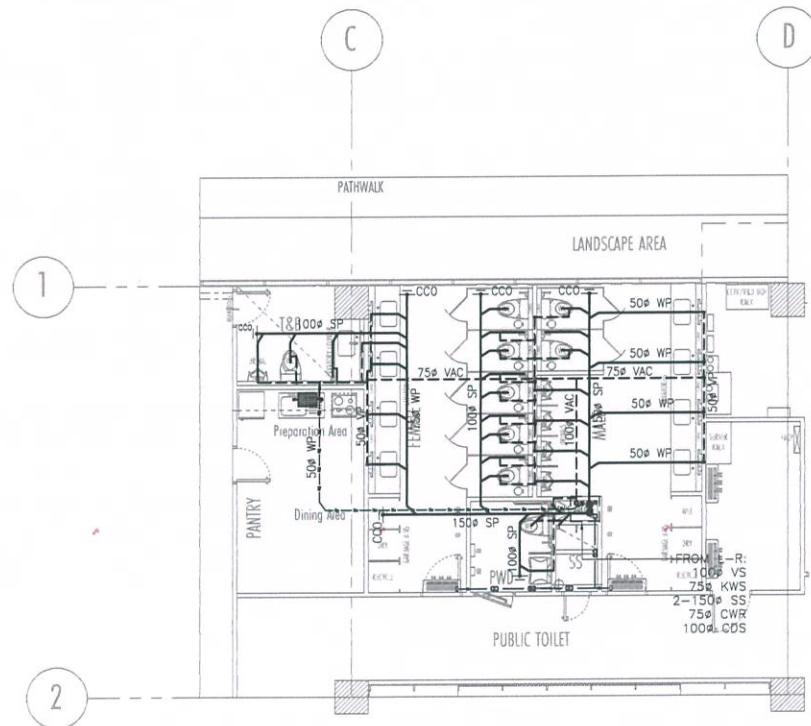
GROUND FLOOR - SWV PIPING LAYOUT

ISOMETRY - KITCHEN AREA, COMMON TOILET AND T&B

1
P-11

SCALE:

1:100 MTS



SECOND - SIXTH FLOOR - SWV PIPING LAYOUT

ISOMETRY - KITCHEN AREA, COMMON TOILET AND T&B

2
P-11

SCALE:

1:100 MTS



REPUBLIC OF THE PHILIPPINES

CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, PASAY CITY

THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

- GROUND FLOOR- SOIL, WASTE, VENT AND STORM PIPING LAYOUT
- SECOND TO SIXTH FLOOR - SOIL, WASTE, VENT AND STORM PIPING LAYOUT

DRAWING SCALE:	SHEET NO:
AS SHOWN	P-11


THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION


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

REVIEWED BY:




 RAUL R. CRUCENA
 Division Chief III, IDDD-AED

SUBMITTED BY:




 ARNEL F. BORLADO
 Department Manager III, AED-ADMS

RECOMMEND APPROVAL:



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

APPROVED BY:



 CAPTAIN MANUEL ANTONIO L. TAMAYO
 Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

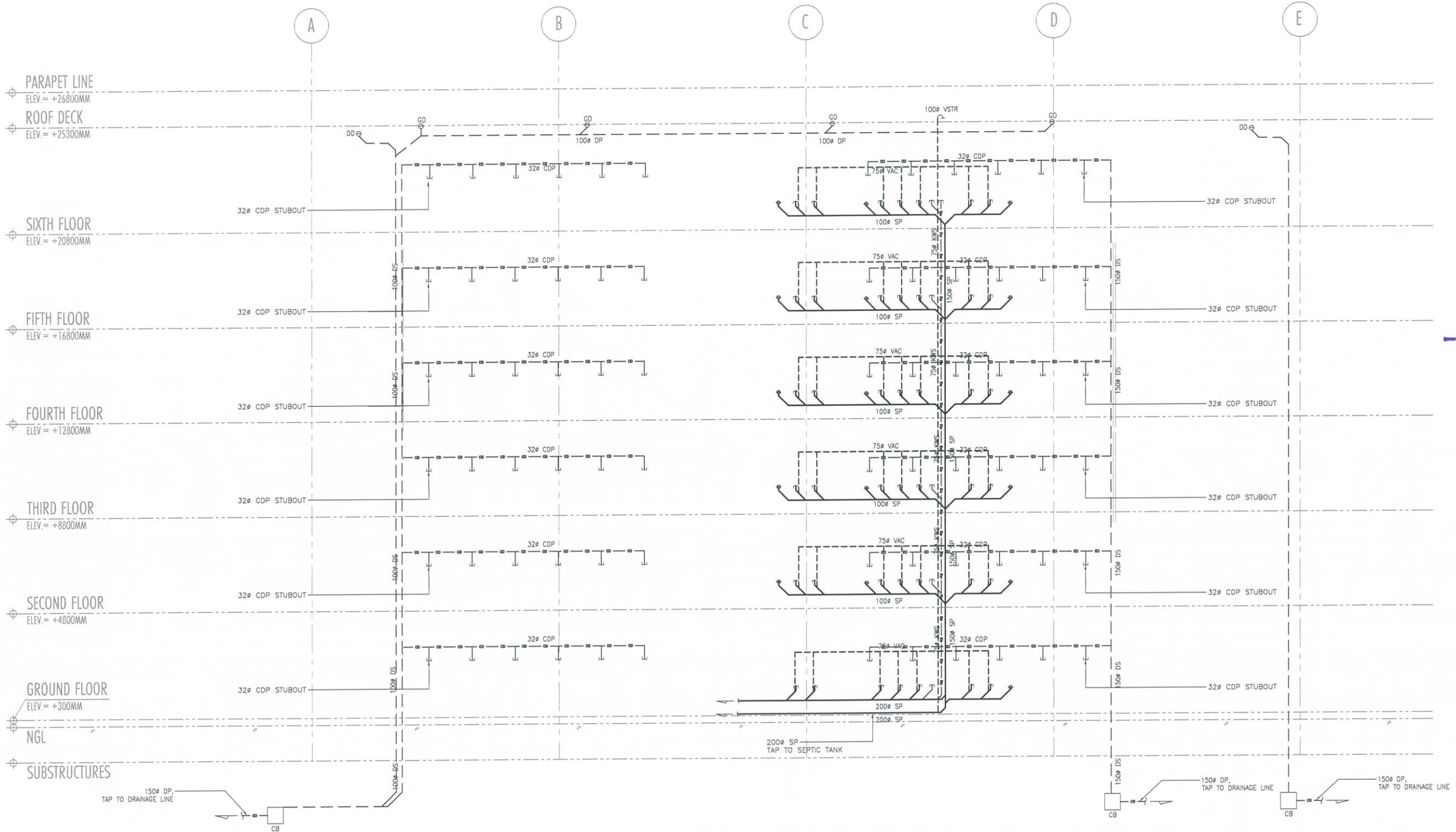
LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

- SCHEMATIC DIAGRAM - SOIL, WASTE, VENT, STORM AND CONDENSATE DRAIN

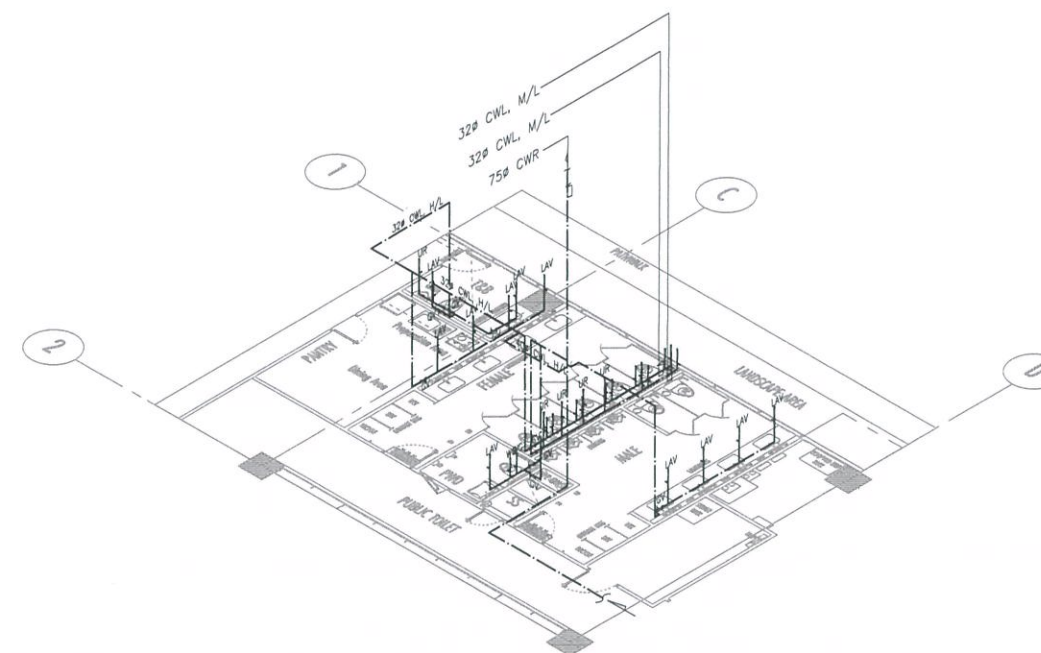
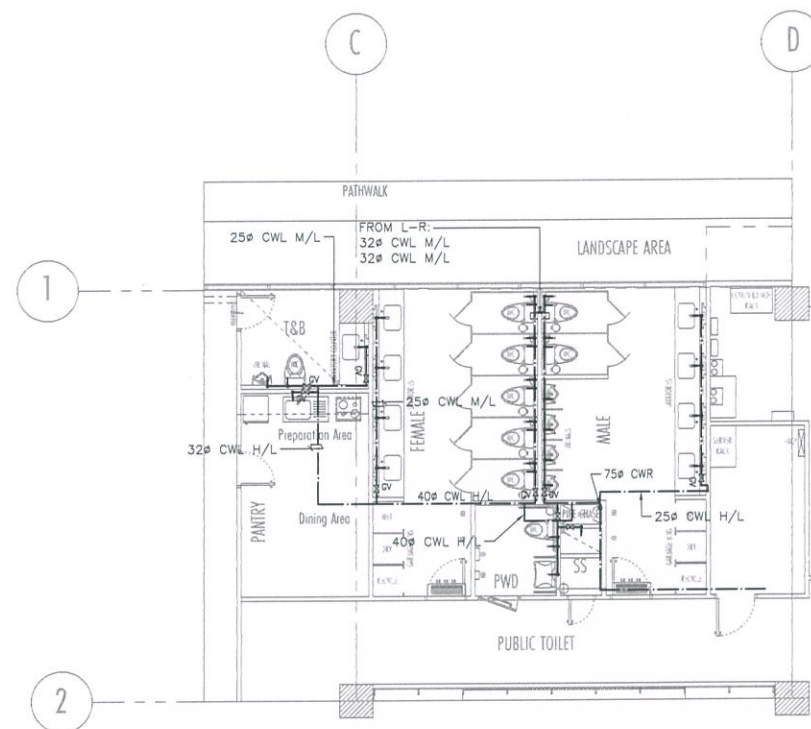
DRAWING SCALE:	SHEET NO:
AS SHOWN	P-13



SOIL, WASTE, VENT, STORM AND CONDENSATE DRAIN
SCHEMATIC DIAGRAM

1
P-13

SCALE: NTS



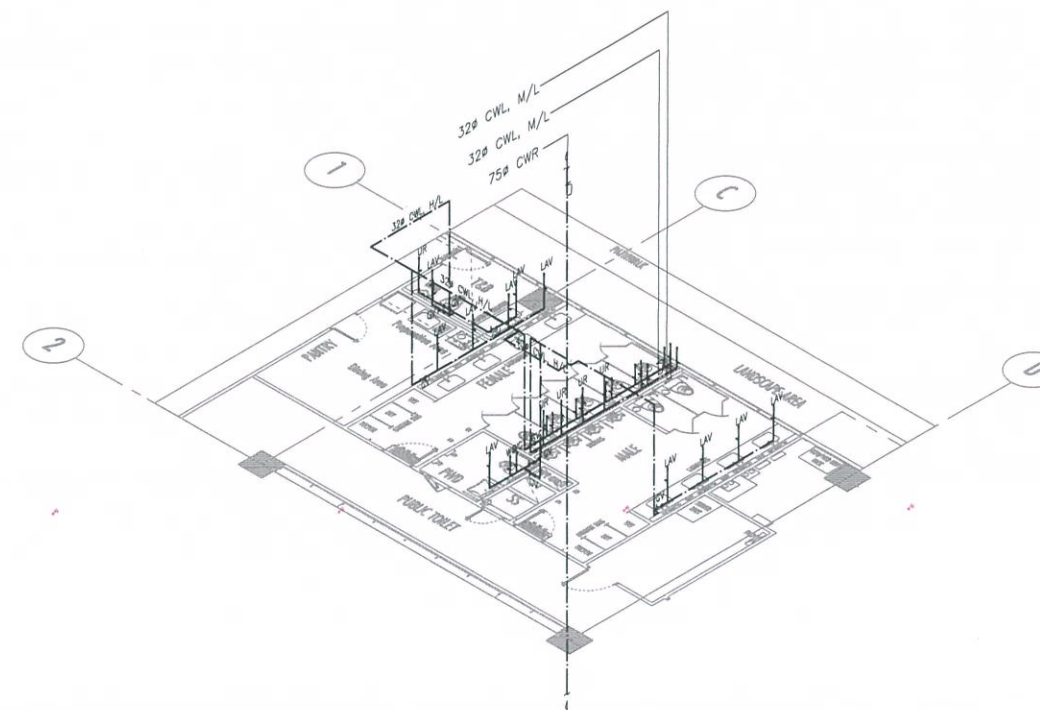
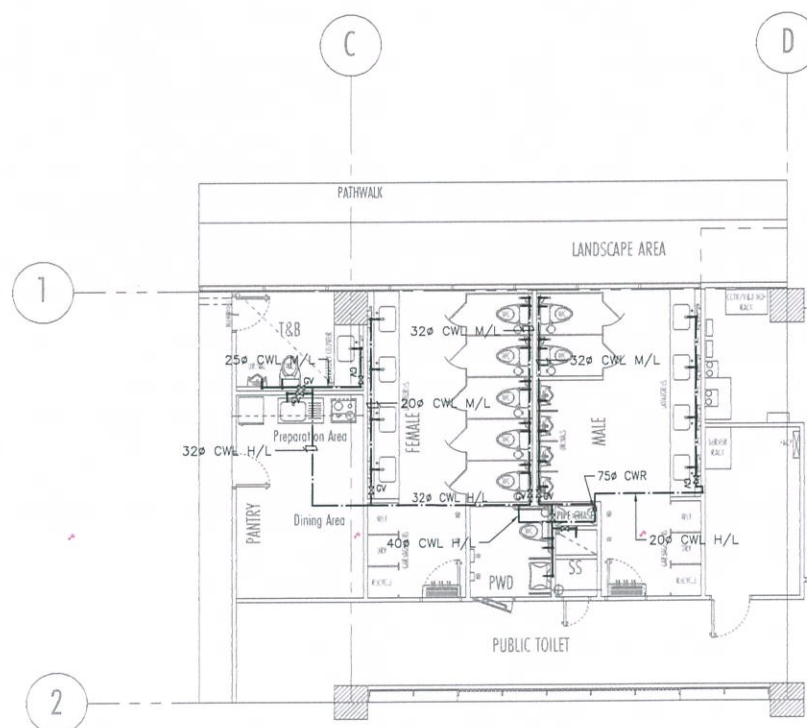
GROUND FLOOR - COLD WATERLINE PIPING LAYOUT

ISOMETRY - KITCHEN AREA, COMMON TOILET AND T&B

1
P-12

SCALE:

1:100 MTS



SECOND - SIXTH FLOOR - COLD WATERLINE PIPING LAYOUT

ISOMETRY - KITCHEN AREA, COMMON TOILET AND T&B

2
P-12

SCALE:

1:100 MTS



REPUBLIC OF THE PHILIPPINES
CIVIL AVIATION AUTHORITY OF THE PHILIPPINES
AERODROME DEVELOPMENT AND MANAGEMENT SERVICE
NAIA ROAD, 1300 PASAY CITY

THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT
AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT
AND DESIGN DIVISION

DESIGN STAFF: INITIAL / DATE

DESIGNED BY: IDDD

DRAWN BY: IDDD

CHECKED BY:

REVIEWED BY:

RAUL R. GRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:

NEW CAAP BUILDING

LOCATION:

CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:

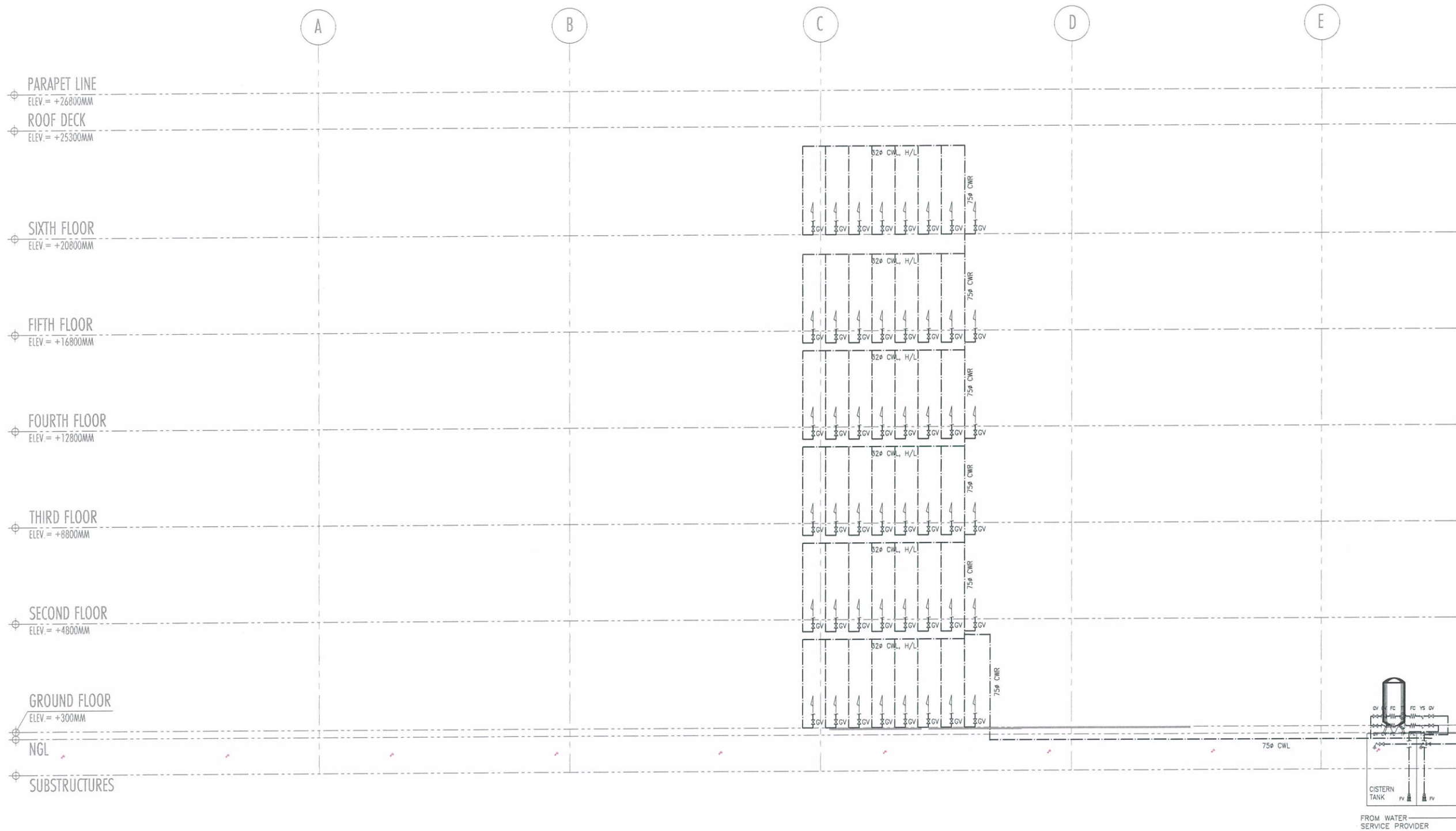
• GROUND - SIXTH FLOOR- COLD
WATERLINE PIPING LAYOUT

DRAWING SCALE:

AS SHOWN

SHEET NO:

P-12





THIS DRAWING AND DESIGN IS EXCLUSIVE PROPERTIES OF CIVIL AVIATION AUTHORITY OF THE PHILIPPINES AND SUCH MUST NOT BE REPRODUCED, EXHIBITED, LOANED NOR COPIED IN PART OR IN WHOLE WITHOUT PROPER PERMISSION AND/OR WRITTEN CONSENT FROM THE DIRECTOR GENERAL CAAP.

AERODROME DEVELOPMENT AND MANAGEMENT SERVICE

INFRASTRUCTURE DEVELOPMENT AND DESIGN DIVISION

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

REVIEWED BY:

RAUL R. CRUCENA
Division Chief III, IDDD-AED

SUBMITTED BY:

ARNEL F. BORLADO
Department Manager III, AED-ADMS

RECOMMEND APPROVAL:

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

APPROVED BY:

CAPTAIN MANUEL ANTONIO L. TAMAYO
Director General

NOTES/REVISIONS:

PROJECT:
NEW CAAP BUILDING

LOCATION:
CAAP HEAD OFFICE
NAIA ROAD, PASAY CITY

SHEET CONTENTS:
• SCHEMATIC DIAGRAM - COLD WATERLINE

DRAWING SCALE: AS SHOWN
SHEET NO: P-14